

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056445.D
 Acq On : 24 Jun 2019 11:04
 Operator : JC/SP
 Sample : VN0624WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:22 AM

Quant Time: Jun 25 01:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	373807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	580322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	210715	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.59	113	183627	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	685243	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	225732	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65424	20.670	ug/l	98
3) Chloromethane	2.06	50	85837	19.917	ug/l	100
4) Vinyl Chloride	2.18	62	83726	20.114	ug/l	100
5) Bromomethane	2.53	94	53602m	21.965	ug/l	
6) Chloroethane	2.69	64	48469	20.107	ug/l	98
7) Trichlorofluoromethane	3.00	101	112399	20.874	ug/l	98
8) Diethyl Ether	3.41	74	47423	20.810	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70520	20.537	ug/l	98
10) Methyl Iodide	3.94	142	89098	19.198	ug/l	99
11) Tert butyl alcohol	4.79	59	78611	112.659	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	68271	20.675	ug/l	99
13) Acrolein	3.61	56	52772	89.733	ug/l	99
14) Allyl chloride	4.32	41	115381	20.990	ug/l	99
15) Acrylonitrile	4.99	53	203980	105.667	ug/l	100
16) Acetone	3.82	43	210134	101.237	ug/l	100
17) Carbon Disulfide	4.05	76	141387	18.825	ug/l	100
18) Methyl Acetate	4.33	43	91011	21.899	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	230288	21.076	ug/l	97
20) Methylene Chloride	4.55	84	81529	20.307	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	72974	20.497	ug/l	97
22) Diisopropyl ether	5.95	45	243735	21.113	ug/l	97
23) Vinyl Acetate	5.90	43	1006222	110.510	ug/l	100
24) 1,1-Dichloroethane	5.85	63	141167	21.303	ug/l	100
25) 2-Butanone	6.84	43	282815	102.948	ug/l	98
26) 2,2-Dichloropropane	6.82	77	97652	21.188	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	89315	21.443	ug/l	98
28) Bromochloromethane	7.19	49	72492	22.116	ug/l	100
29) Tetrahydrofuran	7.21	42	181691	108.227	ug/l	99
30) Chloroform	7.37	83	140517	21.489	ug/l	98
31) Cyclohexane	7.65	56	127551	19.937	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	109444	21.115	ug/l	99
36) 1,1-Dichloropropene	7.79	75	98983	19.378	ug/l	98
37) Ethyl Acetate	6.93	43	108696	21.654	ug/l	99
38) Carbon Tetrachloride	7.77	117	92257	20.654	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	121405	19.262	ug/l	99
40) Benzene	8.04	78	322132	20.503	ug/l	99
41) Methacrylonitrile	7.17	41	47246	21.315	ug/l	96
42) 1,2-Dichloroethane	8.12	62	106973	20.630	ug/l	99
43) Isopropyl Acetate	8.17	43	162569	21.003	ug/l #	92
44) Trichloroethene	8.83	130	84674	20.006	ug/l	96
45) 1,2-Dichloropropane	9.12	63	86572	20.603	ug/l	98
46) Dibromomethane	9.21	93	54690	20.804	ug/l	99
47) Bromodichloromethane	9.40	83	100413	21.536	ug/l	97
48) Methyl methacrylate	9.20	41	79049	20.380	ug/l	100
49) 1,4-Dioxane	9.20	88	33454	415.610	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	524930	105.073	ug/l	99
52) Toluene	10.16	92	193421	20.136	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	99996	20.241	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	119739	21.326	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	79680	20.636	ug/l	97
56) Ethyl methacrylate	10.43	69	117368	20.800	ug/l	100
57) 1,3-Dichloropropane	10.71	76	135315	20.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	171749	84.723	ug/l	100
59) 2-Hexanone	10.75	43	374354	101.954	ug/l	100
60) Dibromochloromethane	10.90	129	74397	20.235	ug/l	100
61) 1,2-Dibromoethane	11.00	107	81531	20.674	ug/l	98
64) Tetrachloroethene	10.63	164	81829	20.561	ug/l	98
65) Chlorobenzene	11.43	112	209187	20.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73846	21.637	ug/l	98
67) Ethyl Benzene	11.51	91	363244	20.486	ug/l	99
68) m/p-Xylenes	11.62	106	270138	41.572	ug/l	100
69) o-Xylene	11.95	106	133924	20.832	ug/l	98
70) Styrene	11.96	104	213408	20.768	ug/l	98
71) Bromoform	12.13	173	50088	20.191	ug/l #	99
73) Isopropylbenzene	12.25	105	352995	23.357	ug/l	100
74) N-amyl acetate	12.07	43	128653	21.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	112016	23.798	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	97002m	24.675	ug/l	
77) Bromobenzene	12.53	156	90938	21.452	ug/l	99
78) n-propylbenzene	12.59	91	367913	21.191	ug/l	99
79) 2-Chlorotoluene	12.67	91	233552	23.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	285224	22.670	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24532	22.179	ug/l	99
82) 4-Chlorotoluene	12.77	91	212106	20.691	ug/l	100
83) tert-Butylbenzene	12.99	119	259104	23.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	268998	21.076	ug/l	100
85) sec-Butylbenzene	13.17	105	322553	21.137	ug/l	100
86) p-Isopropyltoluene	13.29	119	277984	21.226	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	134300	20.905	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	127370	20.472	ug/l	99
89) n-Butylbenzene	13.61	91	188171	18.980	ug/l	99
90) Hexachloroethane	13.87	117	43576	21.343	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	137922	21.639	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14851	21.170	ug/l	97

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ClientSampleId :
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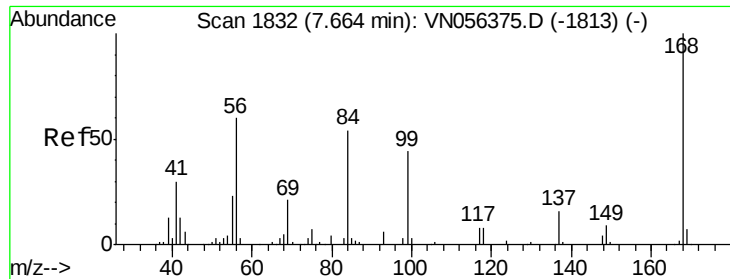
Manual Integrations
APPROVED

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6/26/2019 8:14:22 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42775	17.054	ug/l	99
94) Hexachlorobutadiene	15.01	225	49882	22.043	ug/l	98
95) Naphthalene	15.13	128	120844	17.714	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51648	18.152	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion:168 Resp: 373807

Ion Ratio Lower Upper

168 100

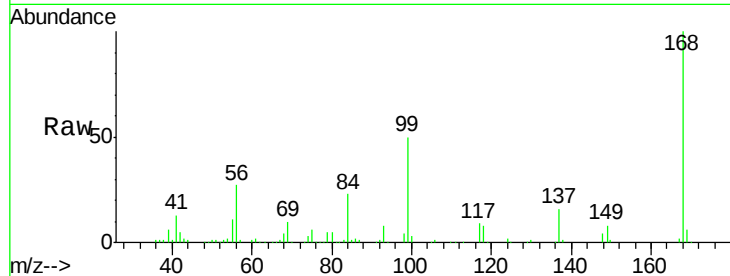
99 49.9 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

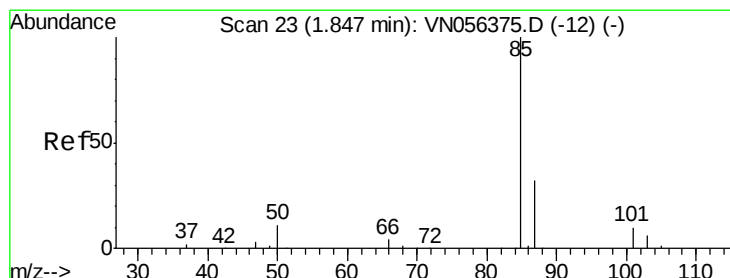
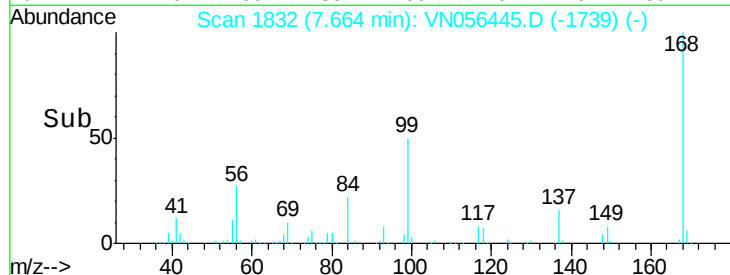
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.670 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056445.D

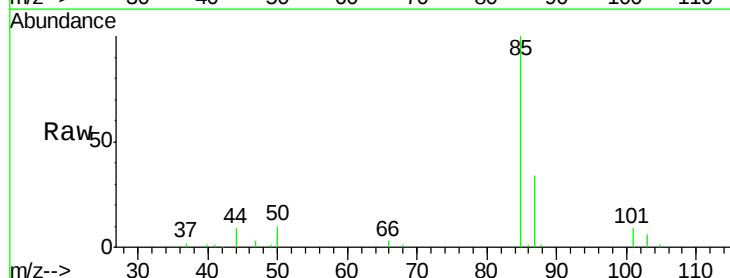
Acq: 24 Jun 2019 11:04

Tgt Ion: 85 Resp: 65424

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

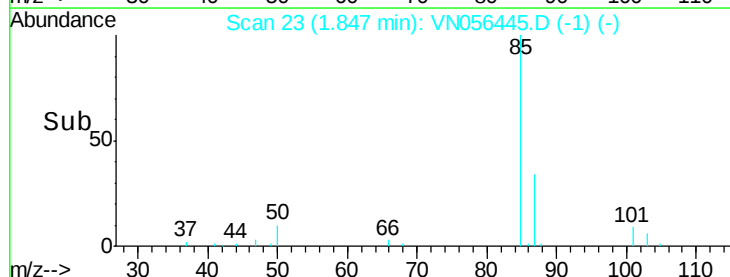
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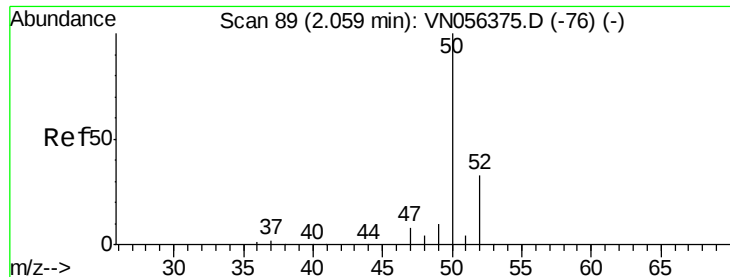
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.917 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion: 50 Resp: 85837

Ion Ratio Lower Upper

50 100

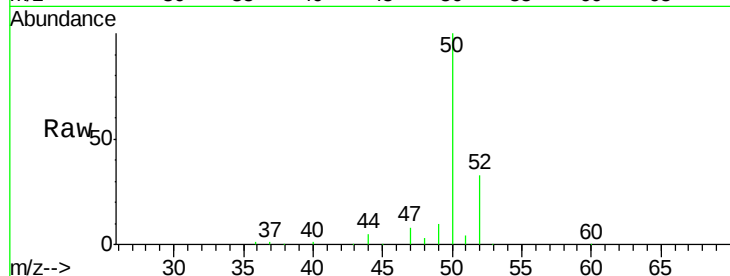
52 33.1 26.5 39.7

Manual Integrations

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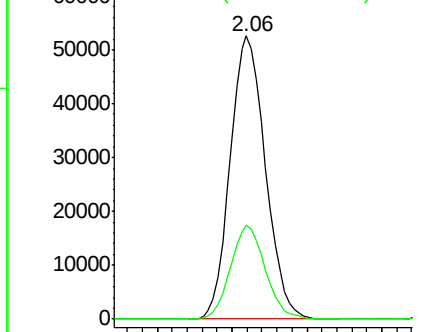
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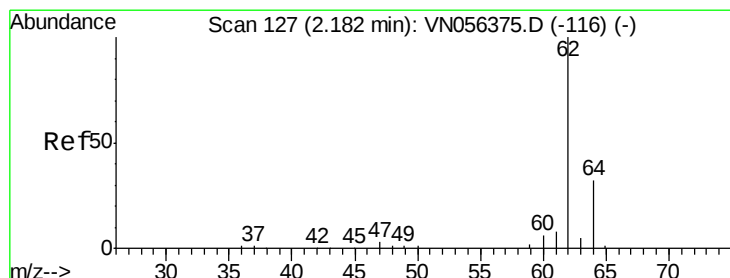
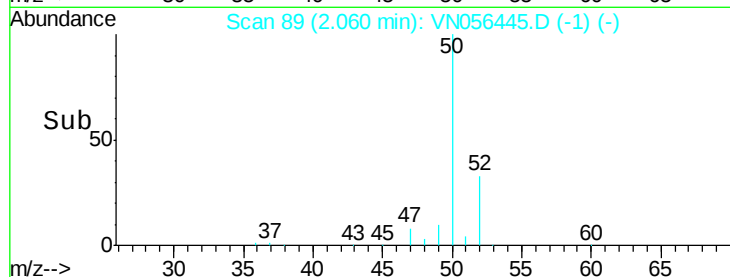


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 20.114 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056445.D

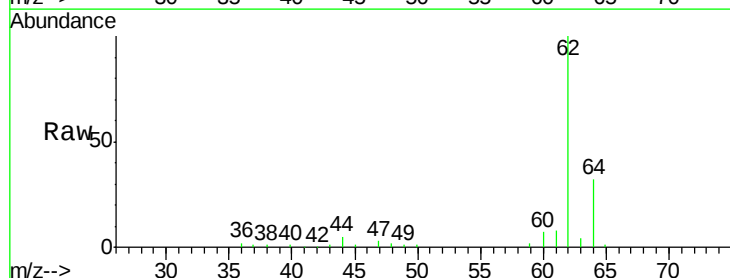
Acq: 24 Jun 2019 11:04

Tgt Ion: 62 Resp: 83726

Ion Ratio Lower Upper

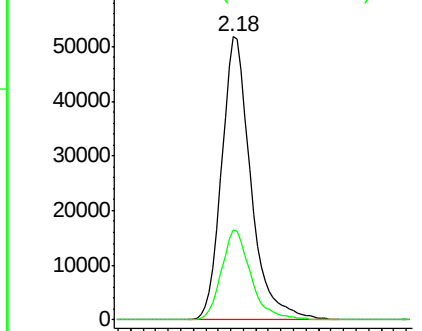
62 100

64 32.0 25.7 38.5

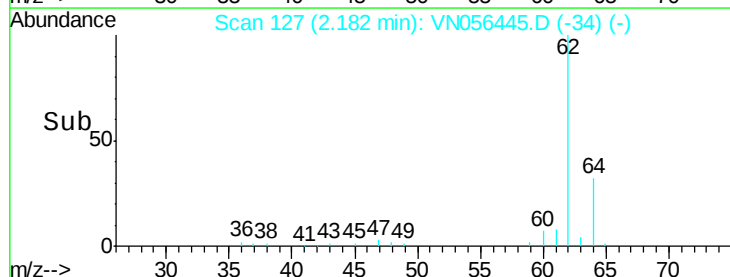


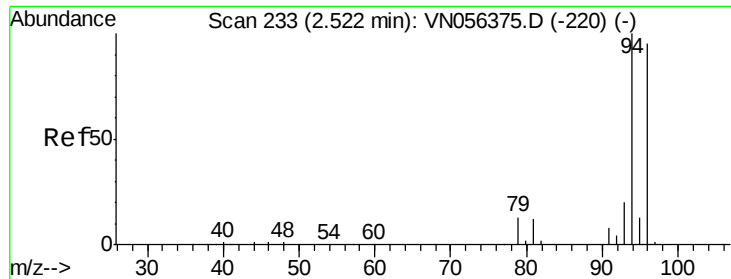
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





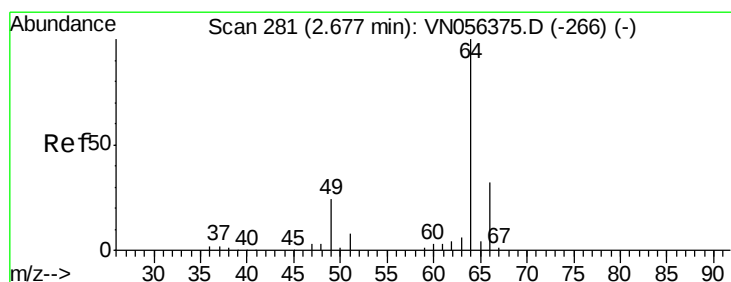
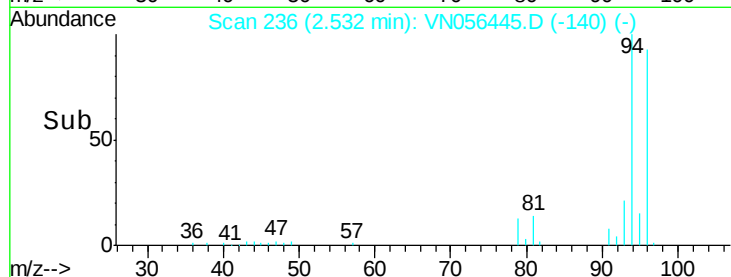
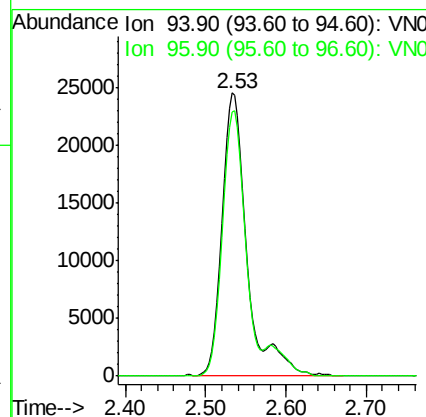
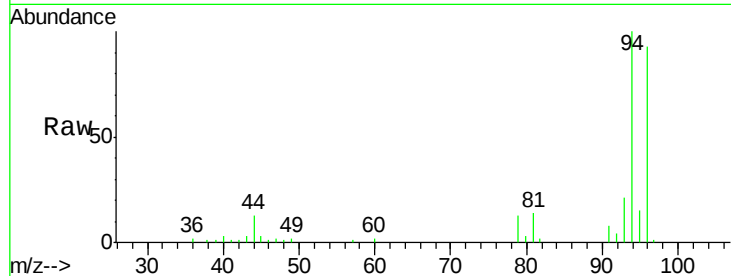
#5
Bromomethane
Concen: 21.965 ug/l m
RT: 2.53 min Scan# 236
Delta R.T. 0.01 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion: 94 Resp: 53602
Ion Ratio Lower Upper
94 100
96 93.5 76.0 114.0

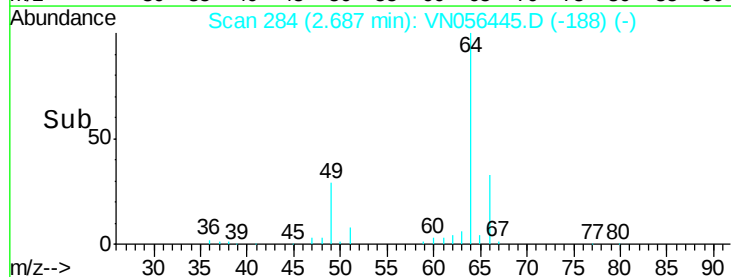
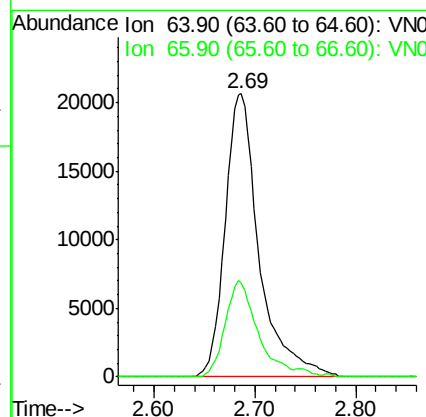
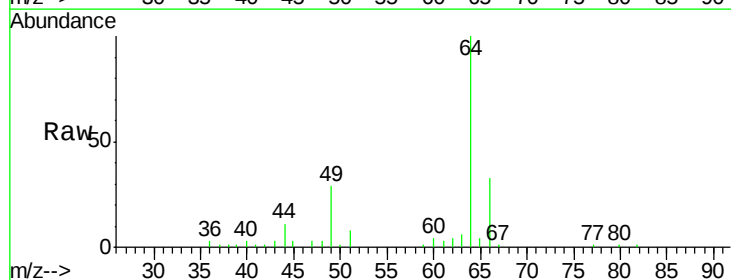
Manual Integrations
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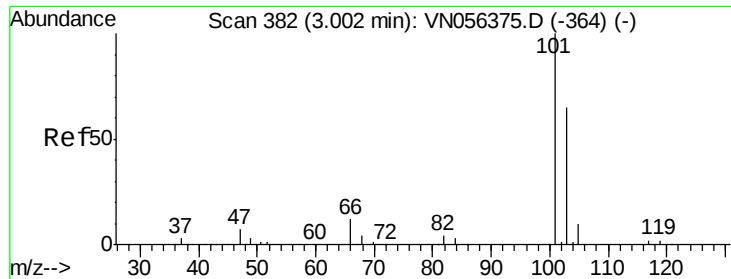
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6/26/2019 8:14:22 AM



#6
Chloroethane
Concen: 20.107 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion: 64 Resp: 48469
Ion Ratio Lower Upper
64 100
66 33.2 25.8 38.8





#7

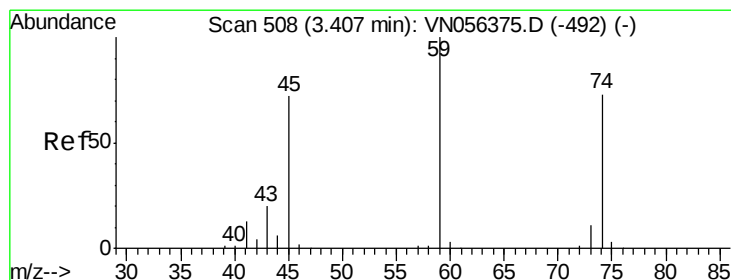
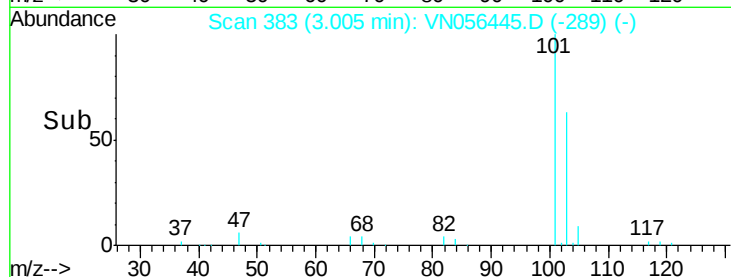
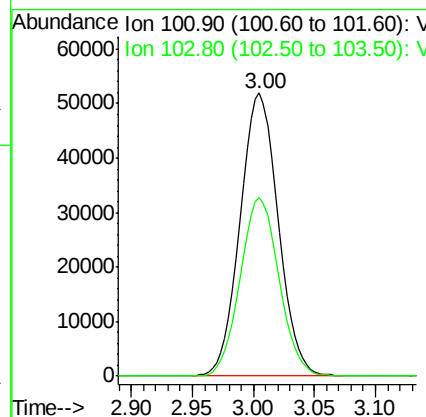
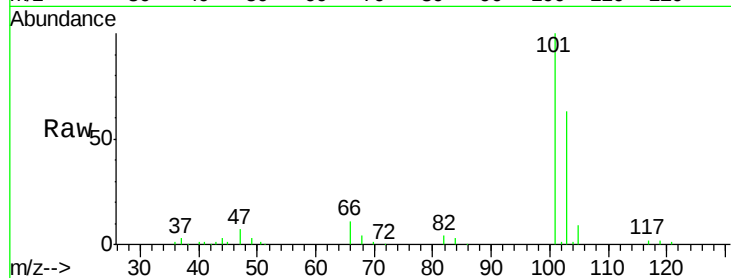
Trichlorofluoromethane
Concen: 20.874 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.7	77.5

Manual Integrations
APPROVED

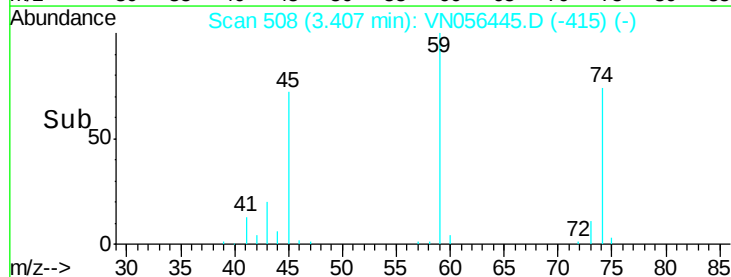
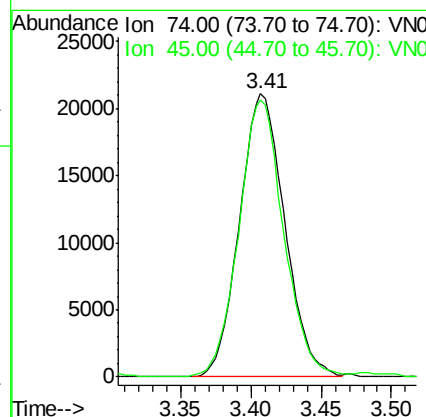
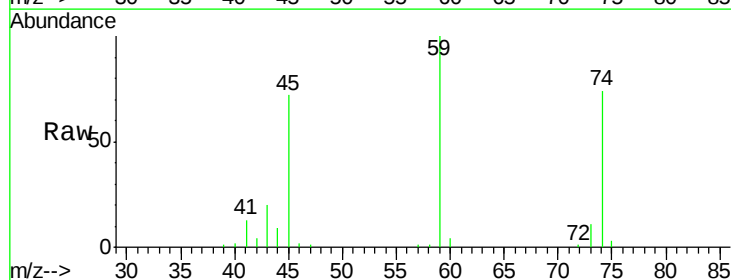
MMDadoda
6/26/2019 8:14:22 AM

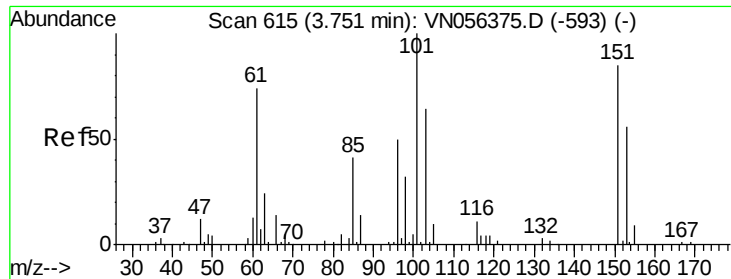


#8

Diethyl Ether
Concen: 20.810 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.9	146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.537 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

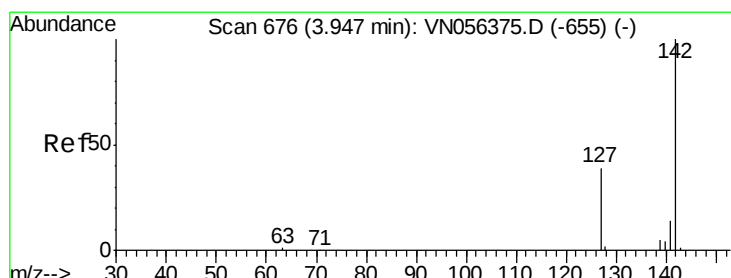
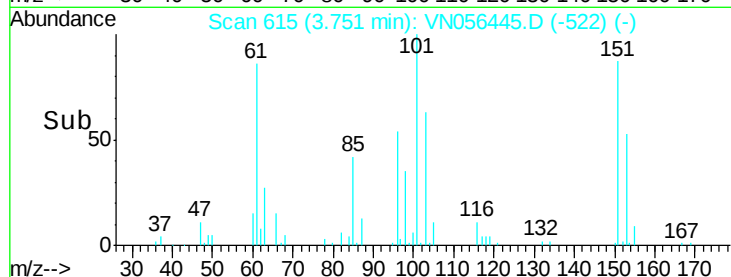
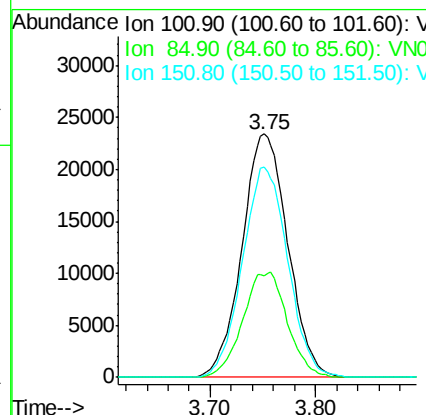
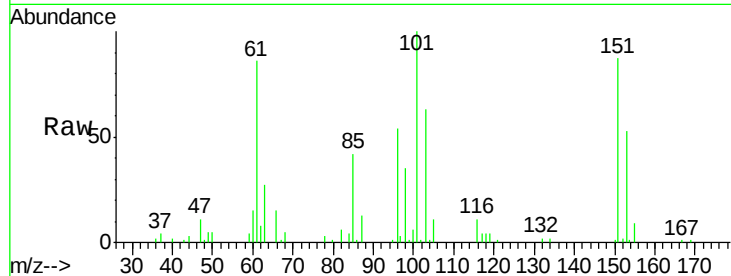
ClientSampleId :

VN0624WBS01

Tot Ion:	101	Resp:	70520
Ion Ratio	Lower	Upper	
101	100		
85	42.2	32.7	49.1
151	85.7	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.198 ug/l

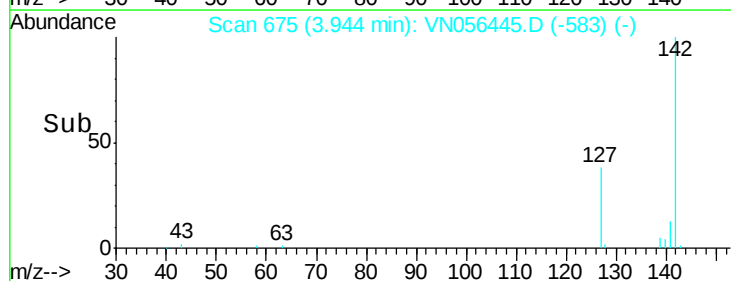
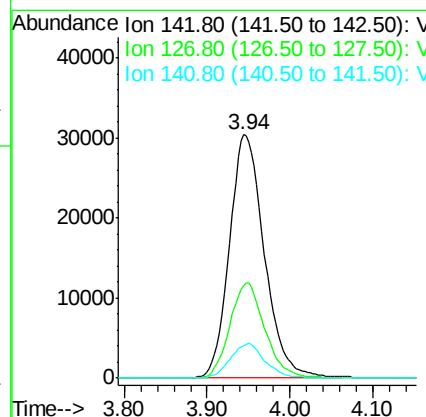
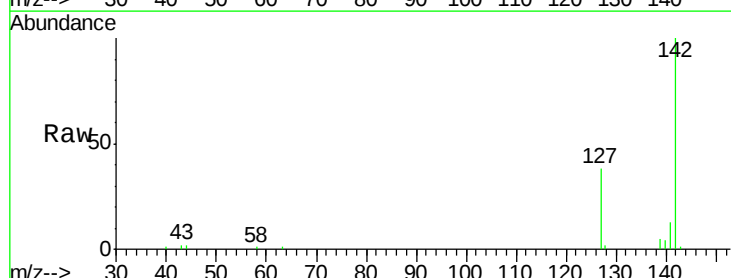
RT: 3.94 min Scan# 675

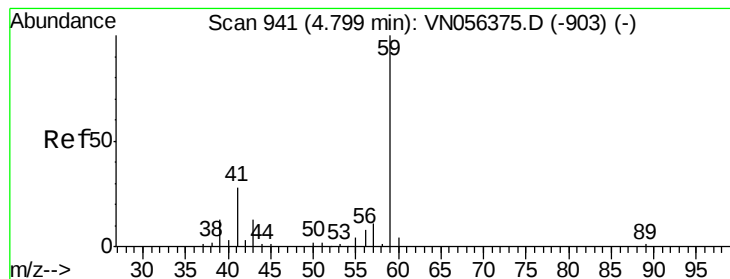
Delta R.T. -0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Tgt Ion:	142	Resp:	89098
Ion Ratio	Lower	Upper	
142	100		
127	39.2	30.6	46.0
141	13.9	11.4	17.2





#11

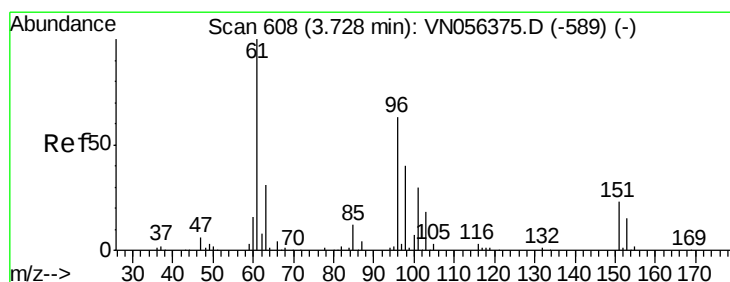
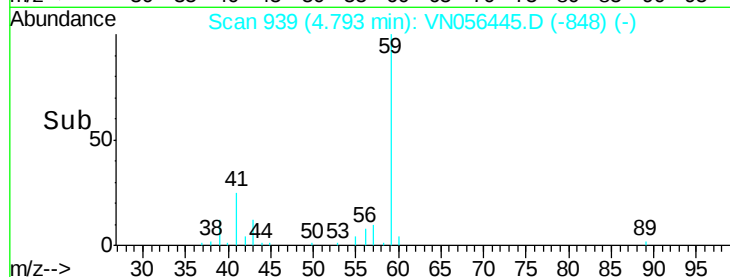
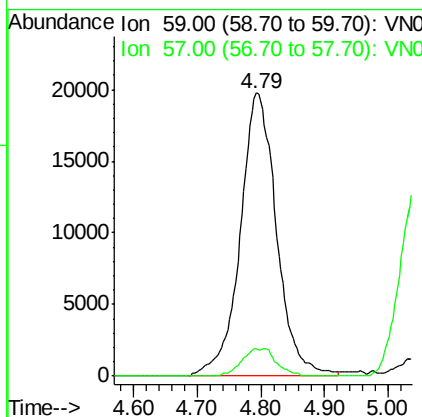
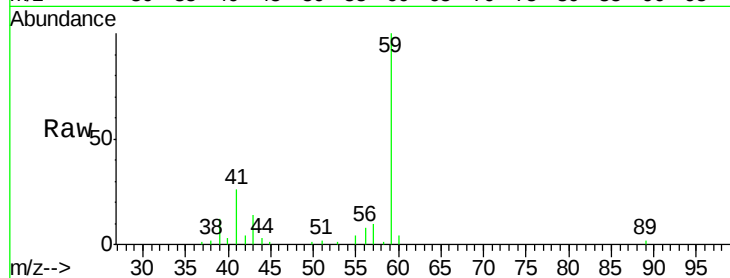
Tert butyl alcohol
Concen: 112.659 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.01 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	59	57	Ratio	100	4.6	Resp	78611	Lower	Upper
59	100								
57		4.6					7.6		11.4#

Manual Integrations
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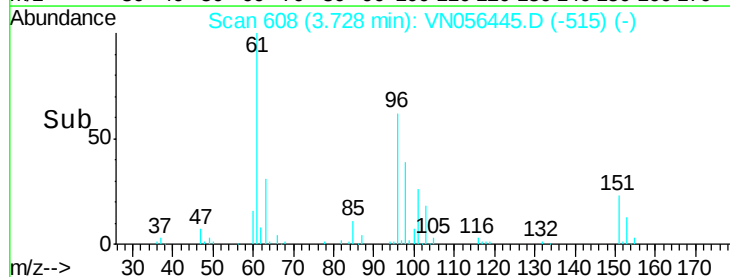
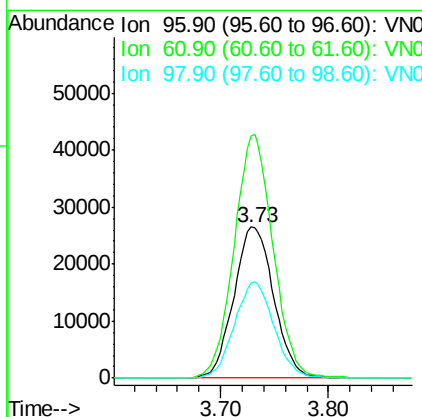
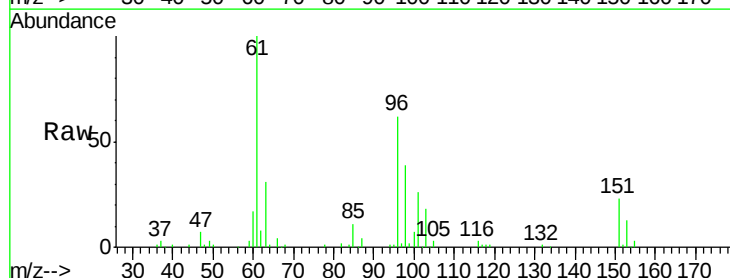
MMDadoda
6/26/2019 8:14:22 AM

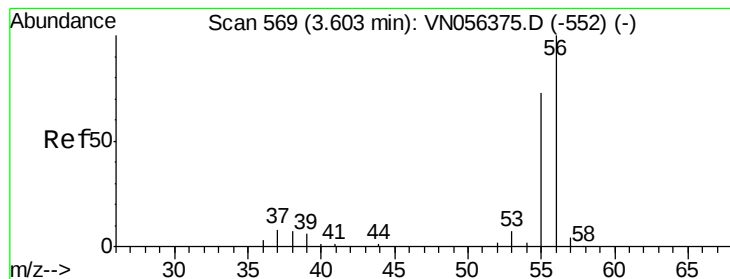


#12

1,1-Dichloroethene
Concen: 20.675 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	96	61	98	Ratio	100	160.1	62.7	Resp	68271	Lower	Upper
96	100										
61		160.1								126.6	190.0
98			62.7							51.1	76.7





#13

Acrolein

Concen: 89.733 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion: 56 Resp: 52772

Ion Ratio Lower Upper

56 100

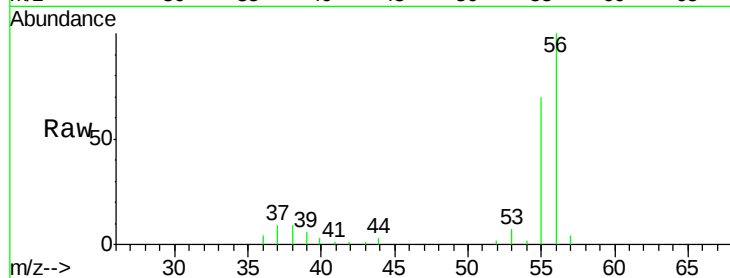
55 72.3 57.1 85.7

Manual Integrations

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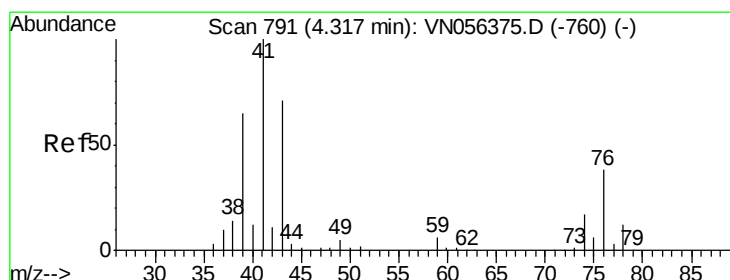
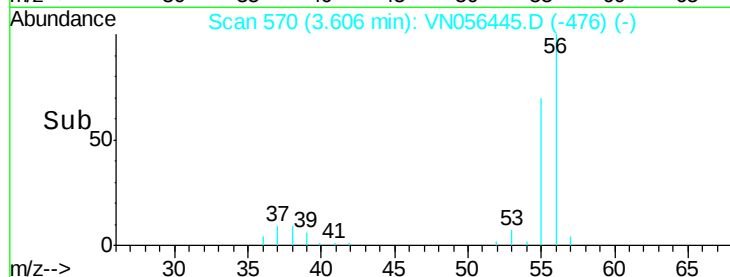
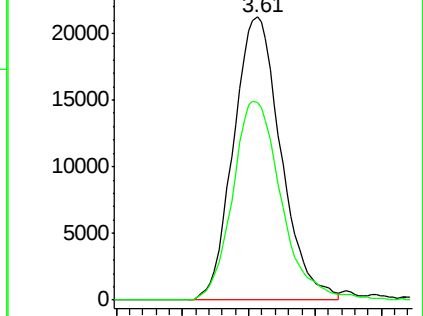
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.990 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

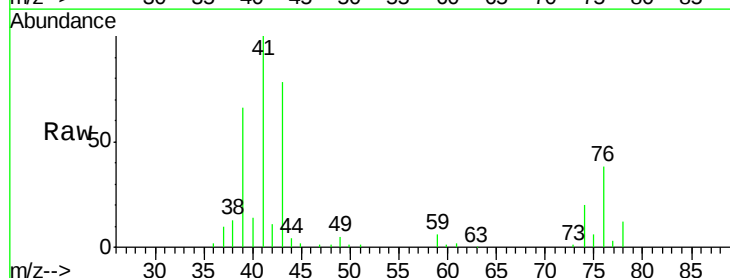
Tgt Ion: 41 Resp: 115381

Ion Ratio Lower Upper

41 100

39 62.2 48.6 73.0

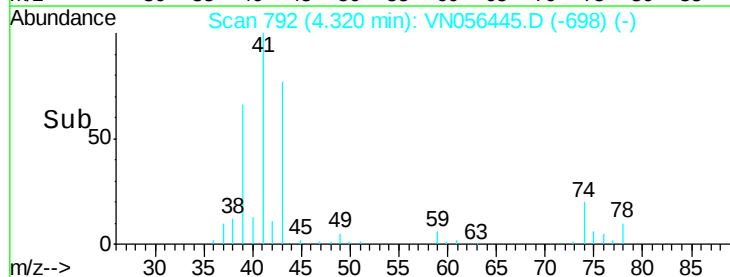
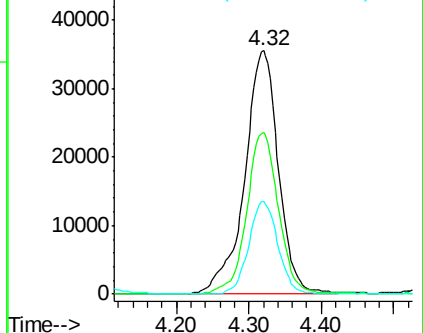
76 32.8 26.6 40.0

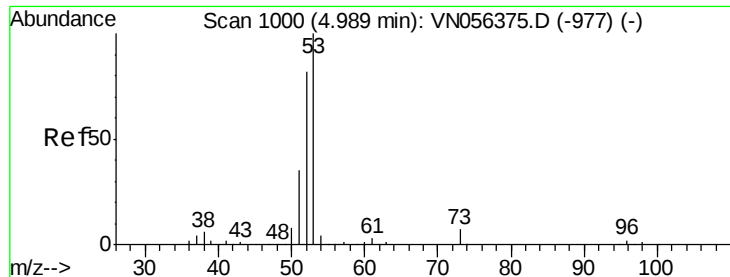


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





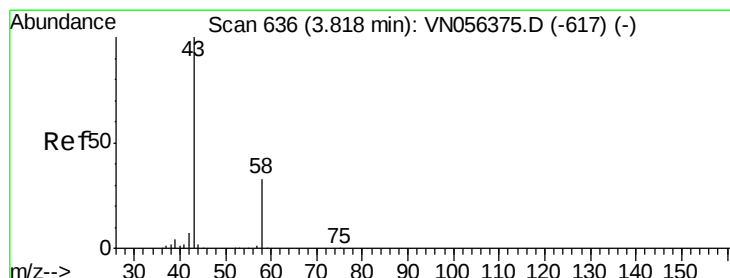
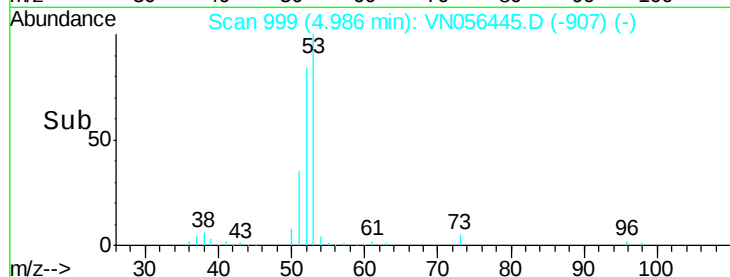
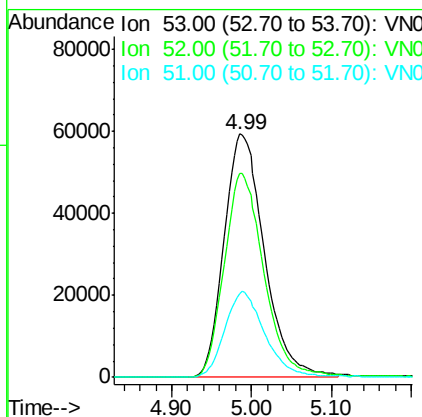
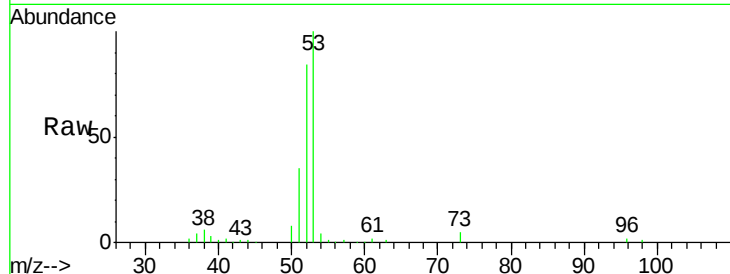
#15
 Acrylonitrile
 Concen: 105.667 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion:	53	Resp:	203980
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.9	98.9
51	35.0	28.3	42.5

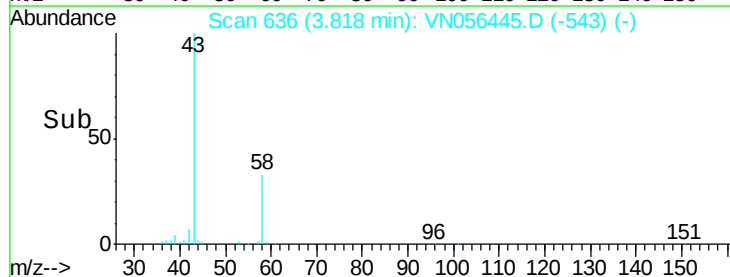
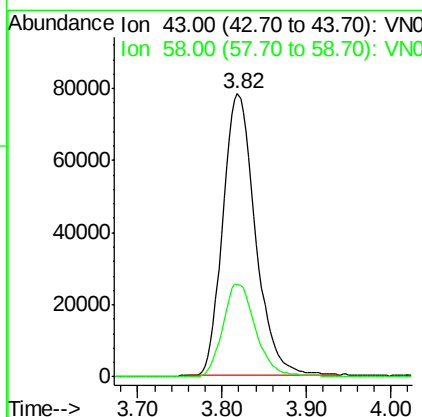
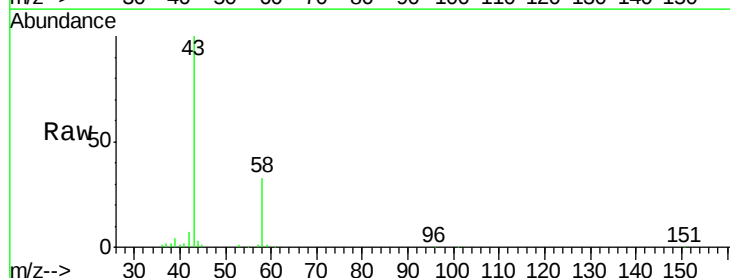
Manual Integrations
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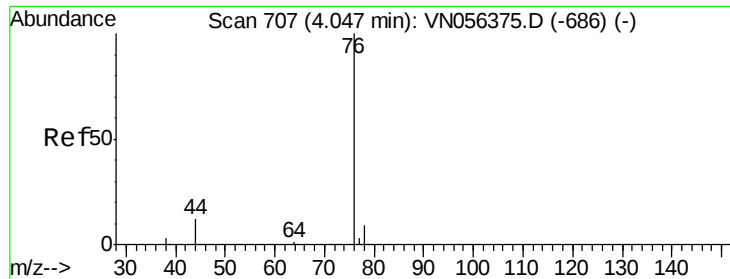
MMDadoda
 6/26/2019 8:14:22 AM



#16
 Acetone
 Concen: 101.237 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion:	43	Resp:	210134
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





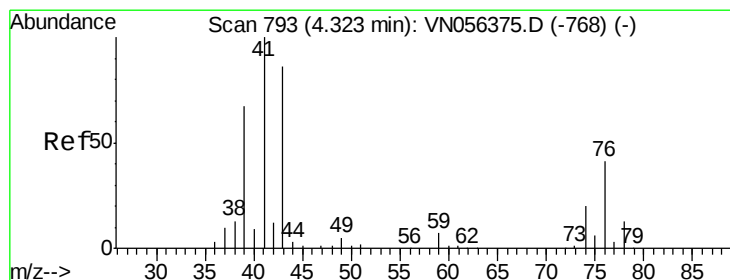
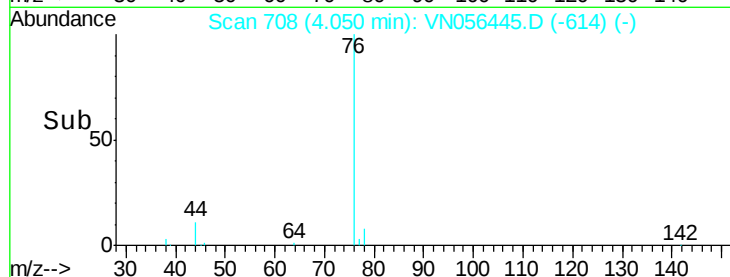
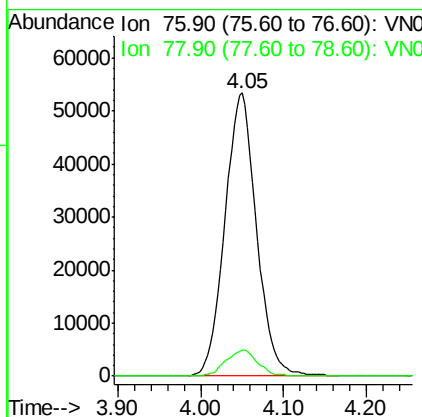
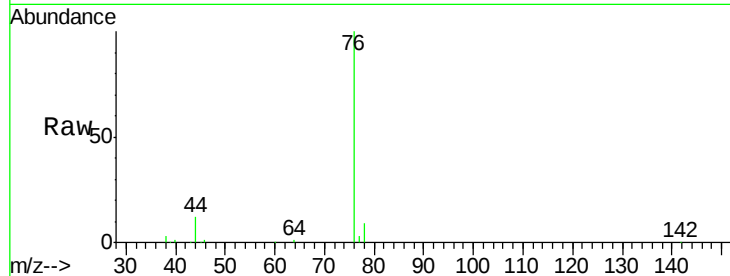
#17
Carbon Disulfide
Concen: 18.825 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion: 76 Resp: 141387
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

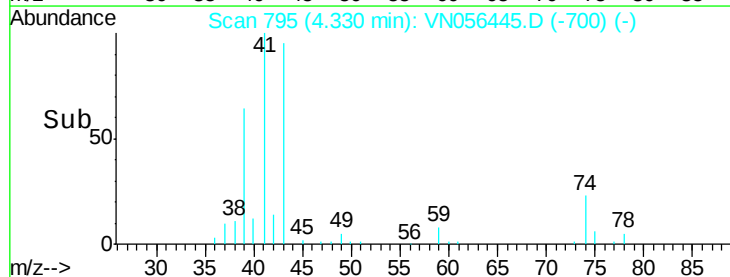
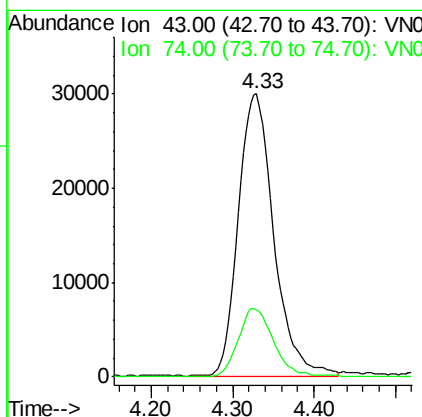
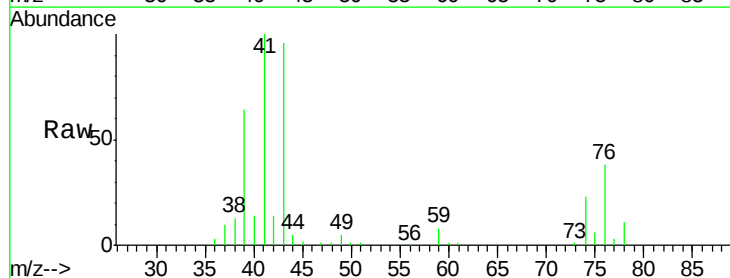
Manual Integrations
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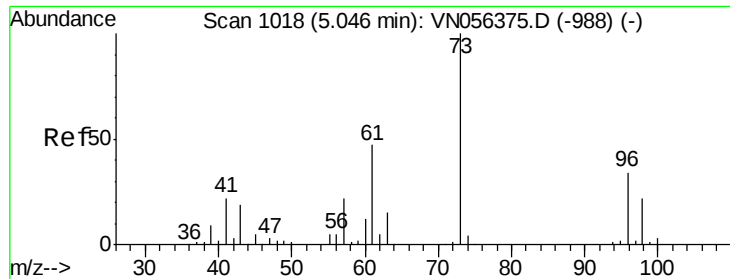
MMDadoda
6/26/2019 8:14:22 AM



#18
Methyl Acetate
Concen: 21.899 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion: 43 Resp: 91011
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8





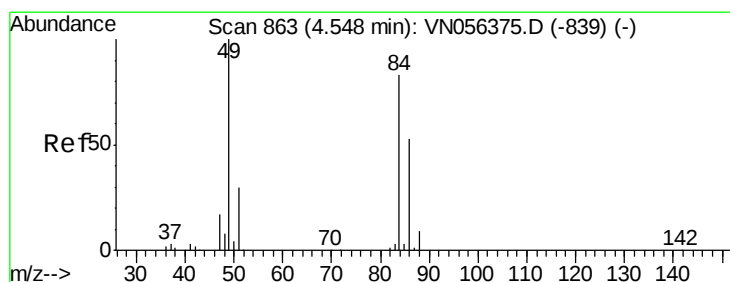
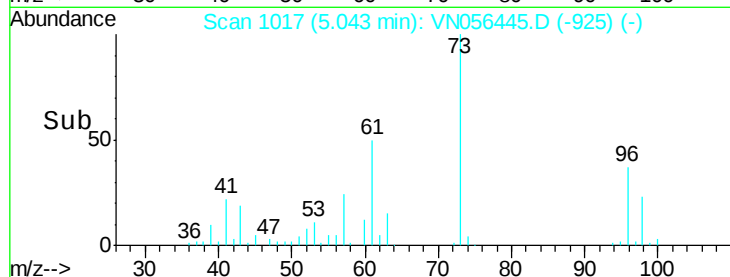
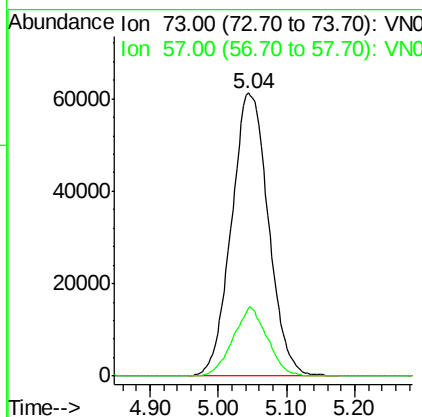
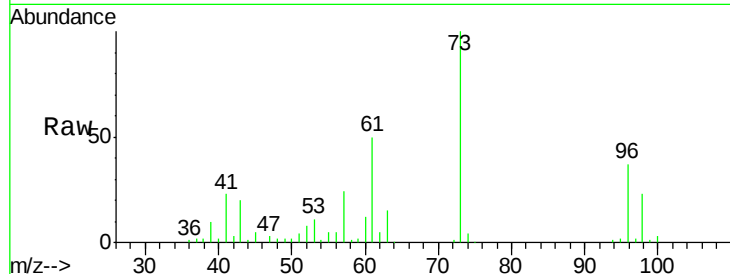
#19
Methvl tert-butvl Ether
Concen: 21.076 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion: 73 Resp: 230288
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9

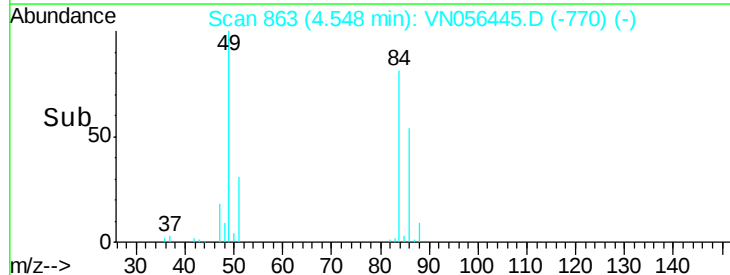
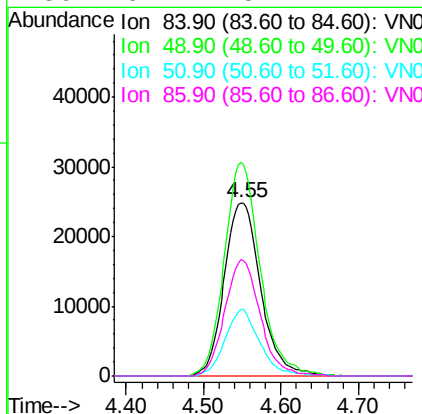
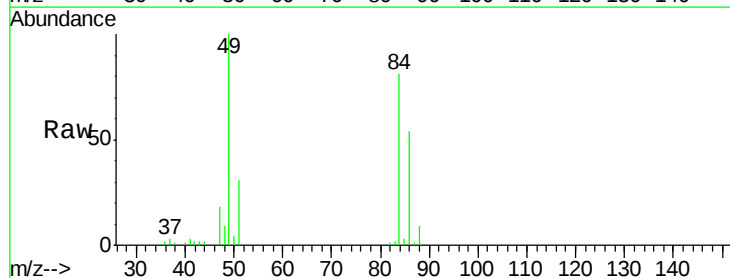
Manual Integrations
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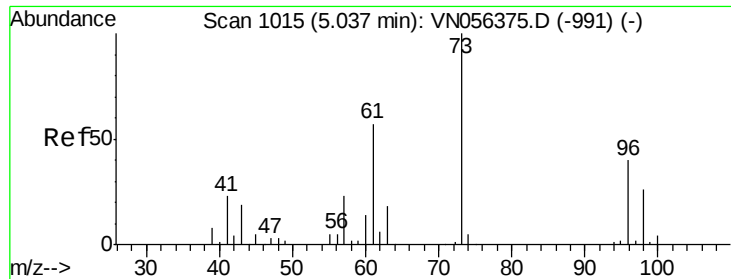
MMDadoda
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#20
Methylene Chloride
Concen: 20.307 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion: 84 Resp: 81529
Ion Ratio Lower Upper
84 100
49 123.4 96.4 144.6
51 38.7 28.6 43.0
86 67.1 51.4 77.2





#21

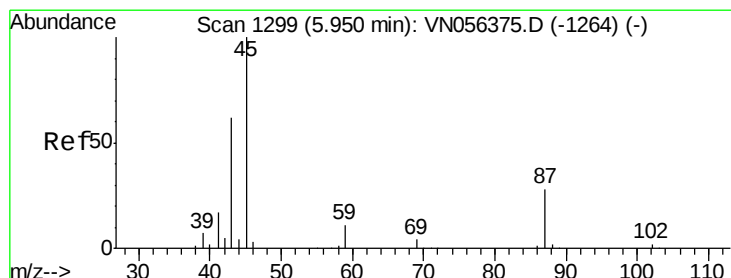
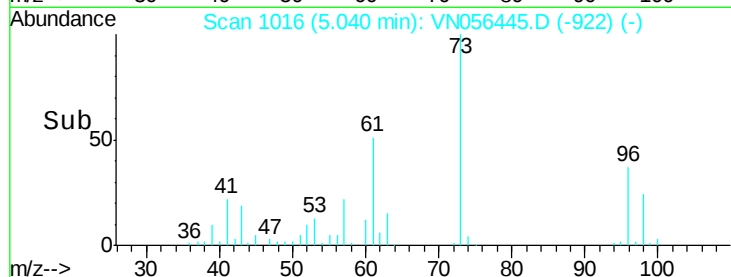
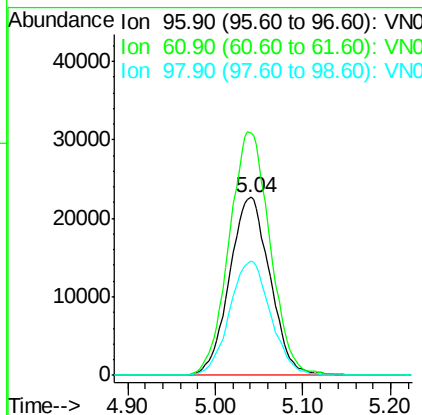
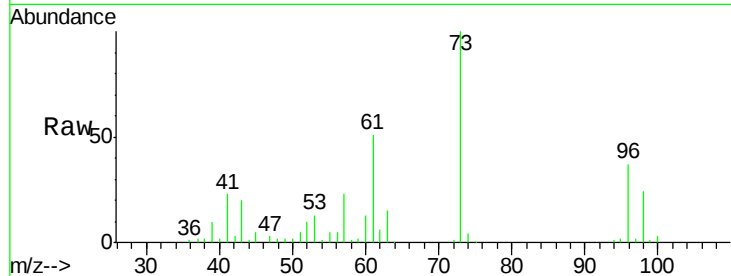
trans-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	113.0	169.6
98	63.9	52.2	78.2

Manual Integrations
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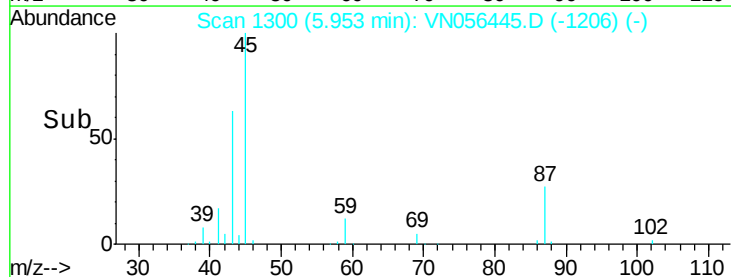
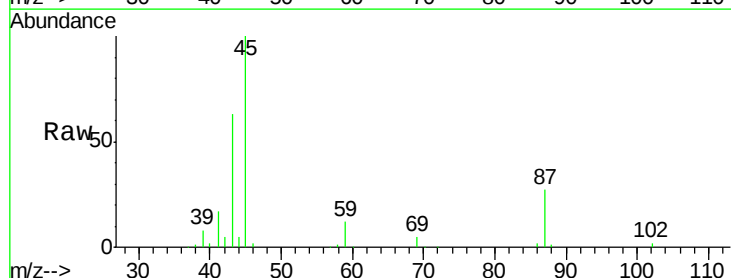
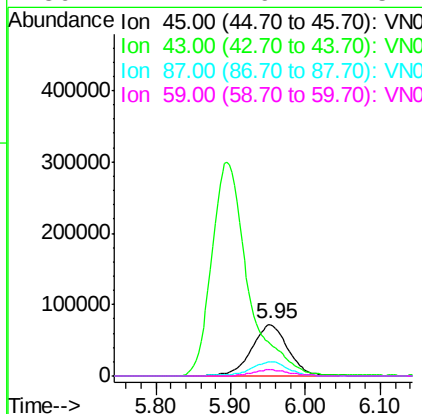
MMDadoda
6/26/2019 8:14:22 AM

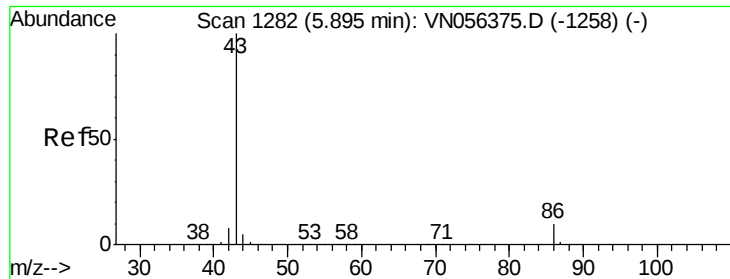


#22

Diisopropyl ether
Concen: 21.113 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	50.4	75.6
87	27.0	23.0	34.4
59	11.2	9.1	13.7





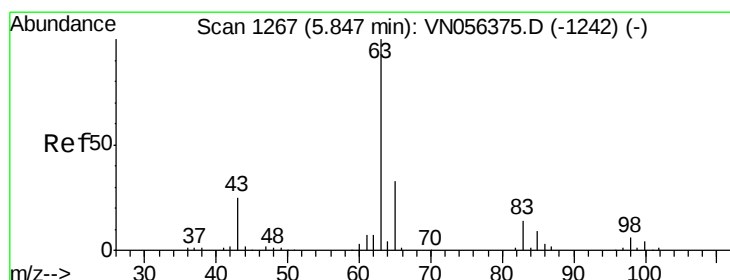
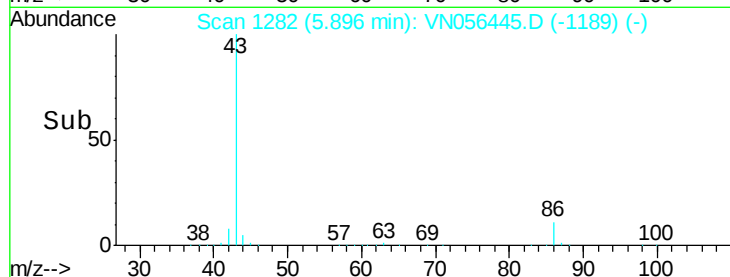
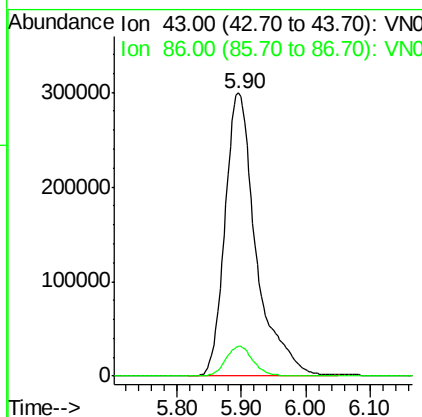
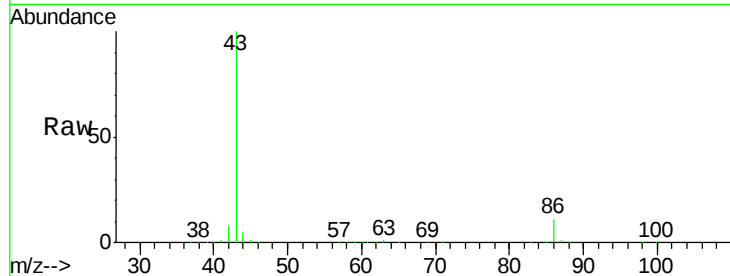
#23
 Vinyl Acetate
 Concen: 110.510 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion: 43 Resp: 1006222
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5

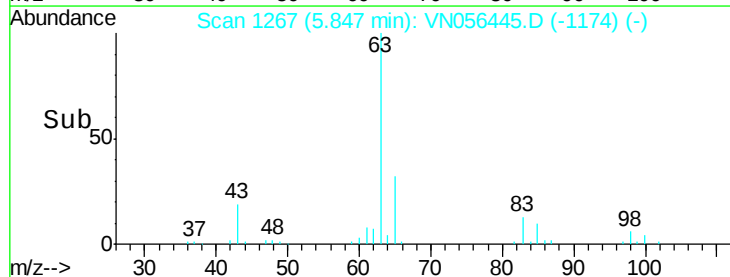
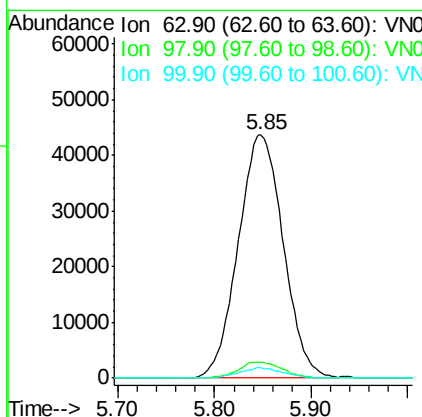
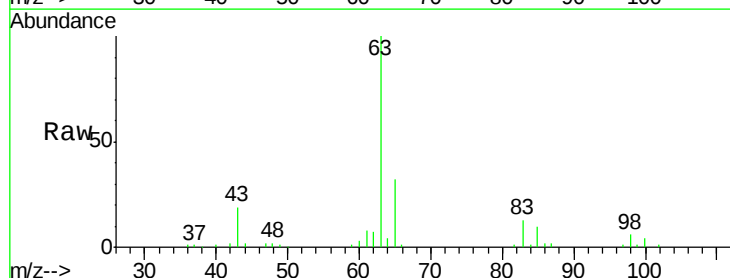
Manual Integrations
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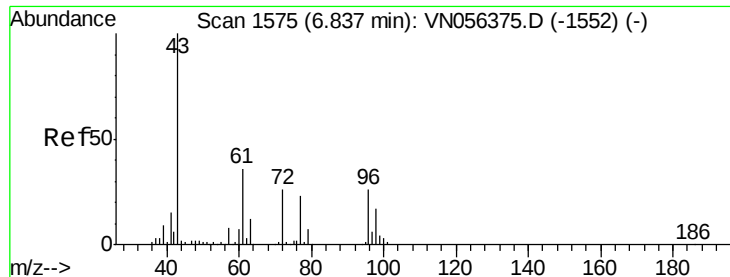
MMDadoda
 6/26/2019 8:14:22 AM



#24
 1,1-Dichloroethane
 Concen: 21.303 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion: 63 Resp: 141167
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.2 2.1 6.5





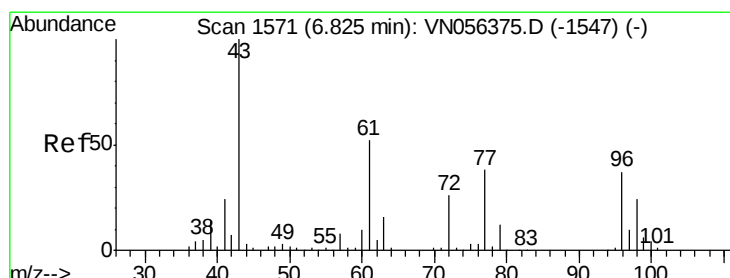
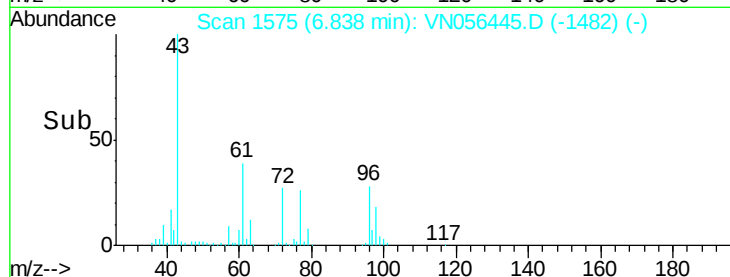
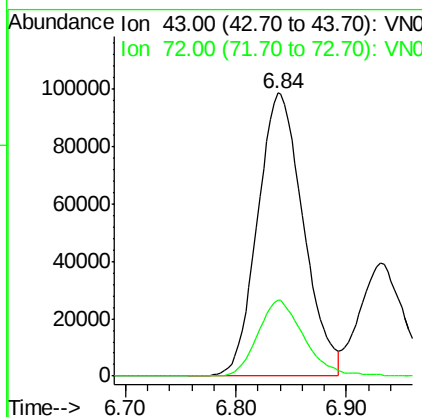
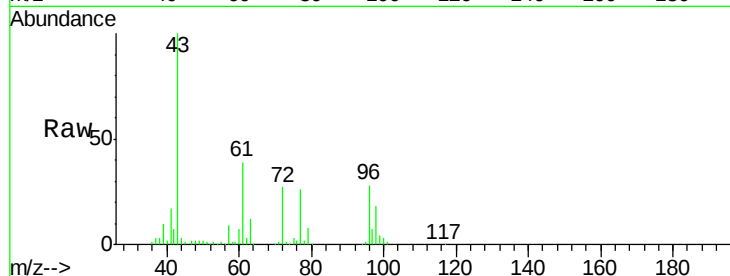
#25
2-Butanone
Concen: 102.948 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion: 43 Resp: 282815
Ion Ratio Lower Upper
43 100
72 27.0 20.6 31.0

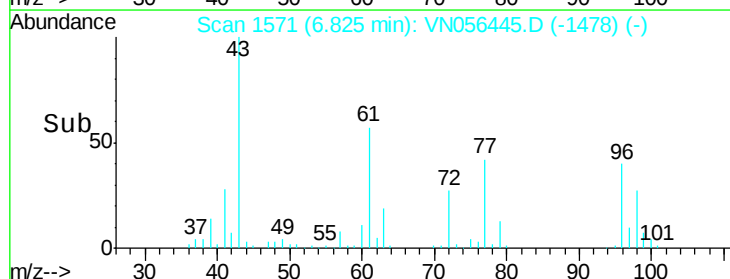
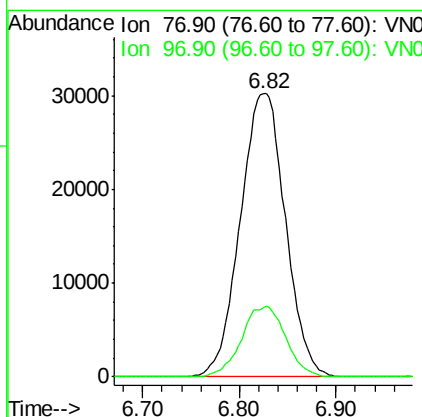
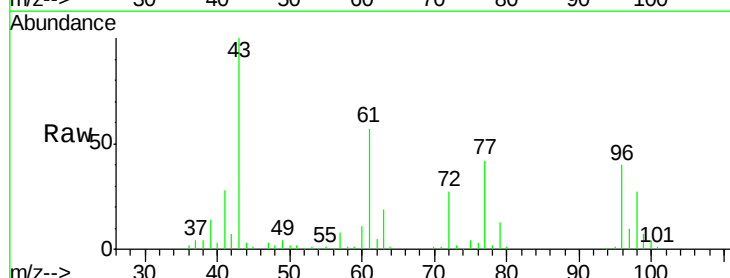
Manual Integrations
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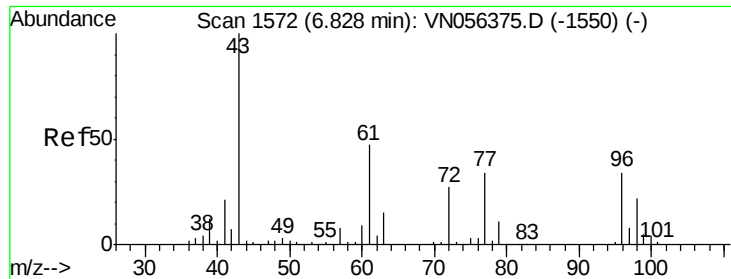
MMDadoda
6/26/2019 8:14:22 AM



#26
2,2-Dichloropropane
Concen: 21.188 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion: 77 Resp: 97652
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.5





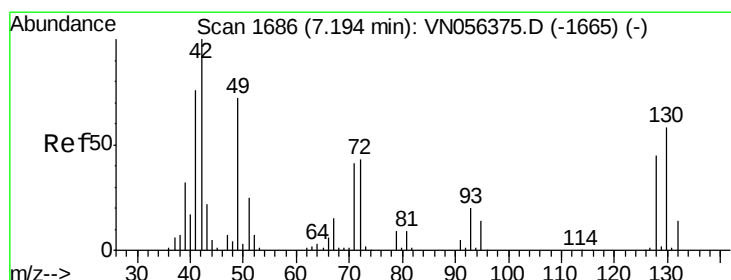
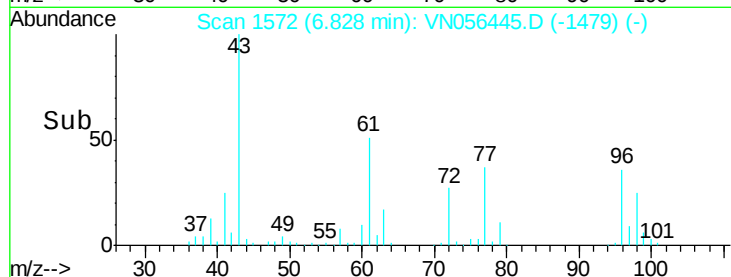
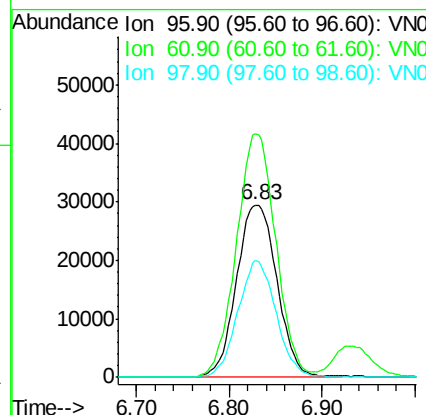
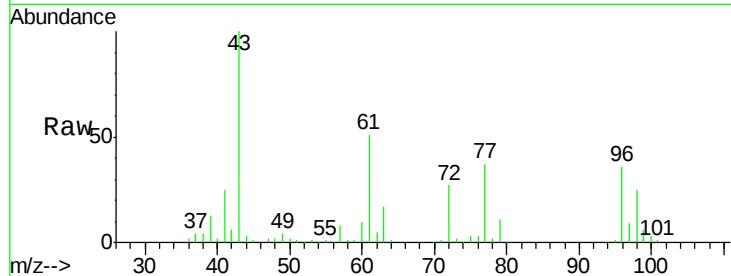
#27
 cis-1,2-Dichloroethene
 Concen: 21.443 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	89315		
61	137.4	0.0	279.8	
98	63.9	0.0	130.0	

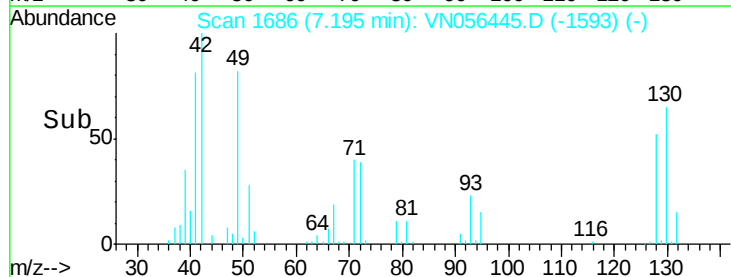
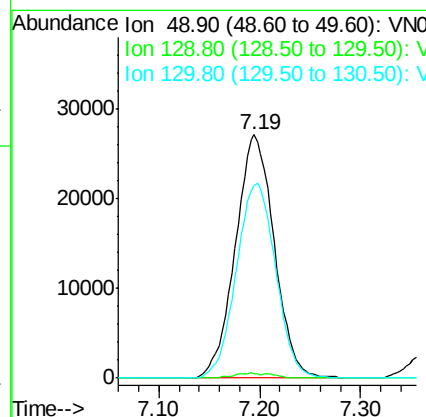
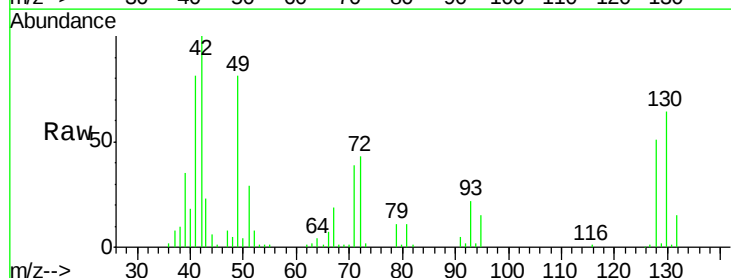
Manual Integrations
 APPROVED

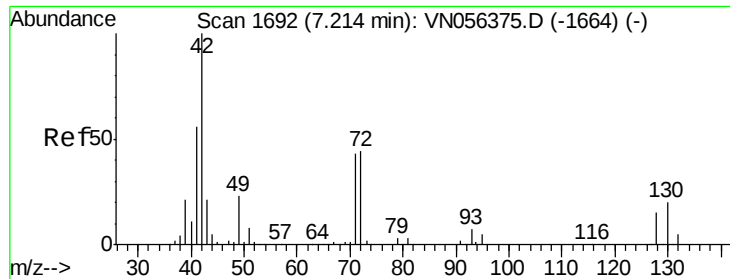
MMDadoda
 6/26/2019 8:14:22 AM



#28
 Bromochloromethane
 Concen: 22.116 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72492		
129	1.3	0.0	4.2	
130	81.0	64.9	97.3	





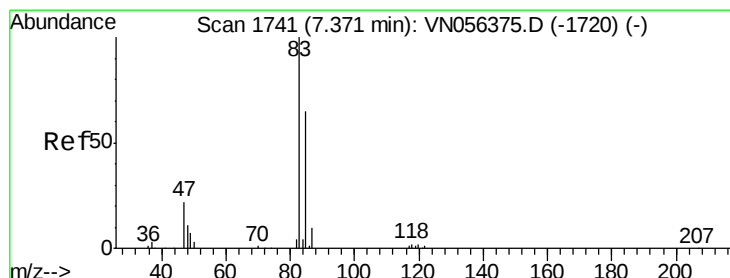
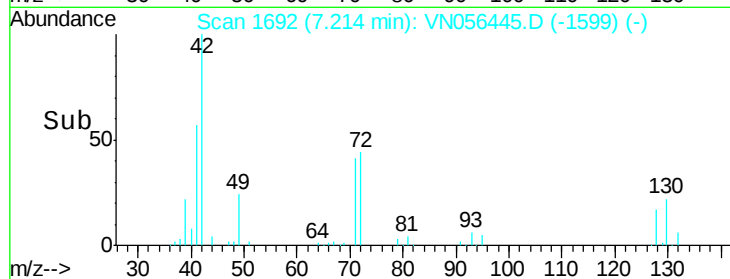
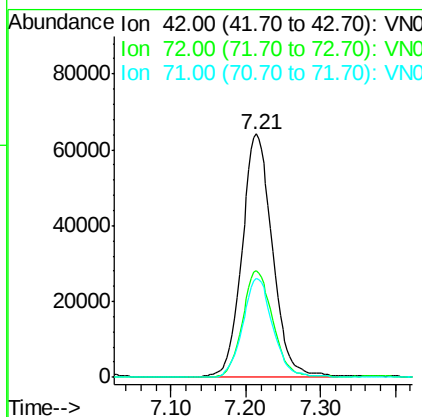
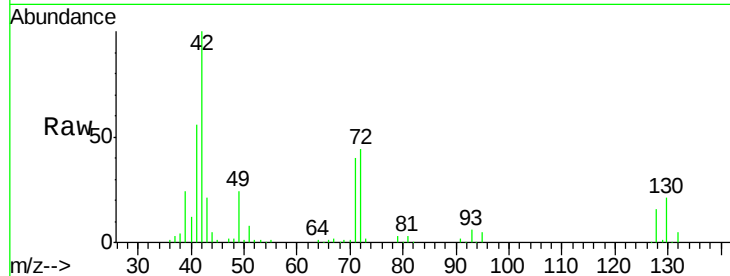
#29
Tetrahydrofuran
Concen: 108.227 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.7	52.1
71	39.9	33.0	49.6

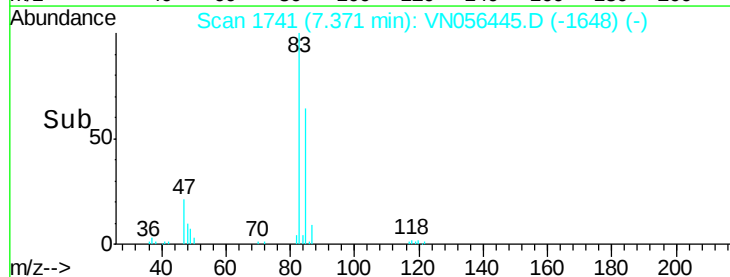
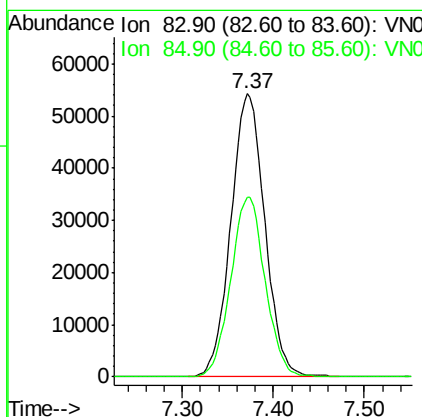
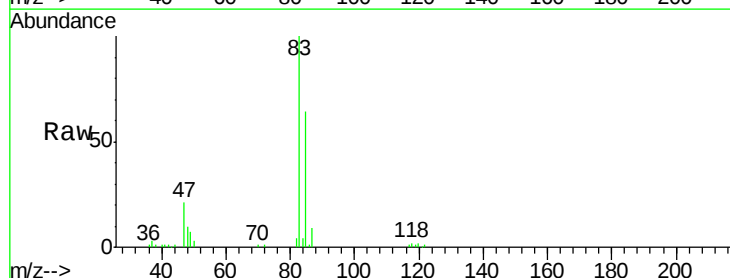
Manual Integrations
APPROVED

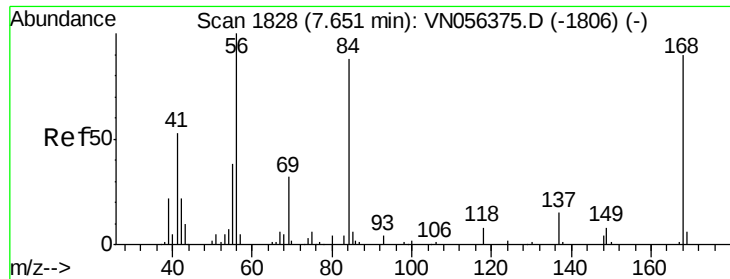
MMDadoda
6/26/2019 8:14:22 AM



#30
Chloroform
Concen: 21.489 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





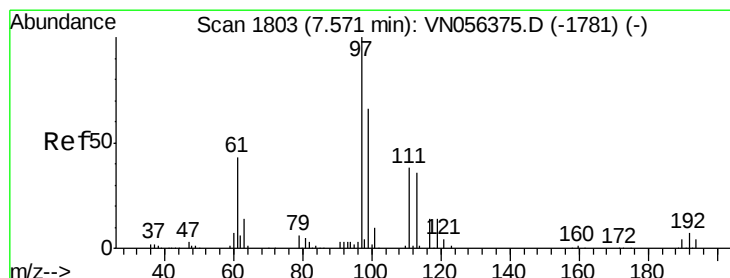
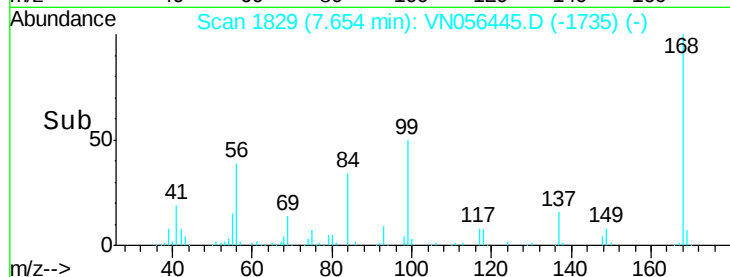
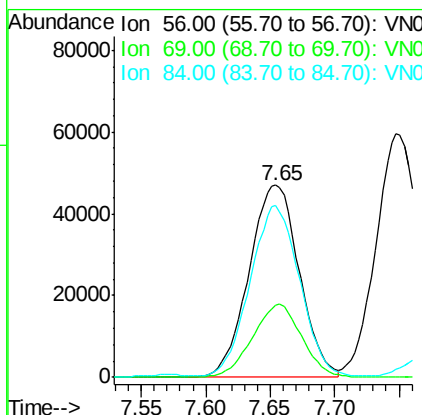
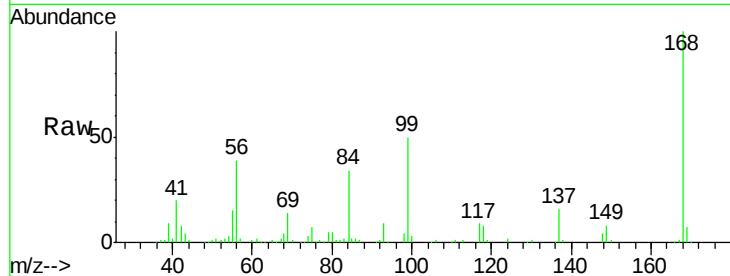
#31
Cyclohexane
Concen: 19.937 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.8	38.6
84	88.7	69.4	104.0

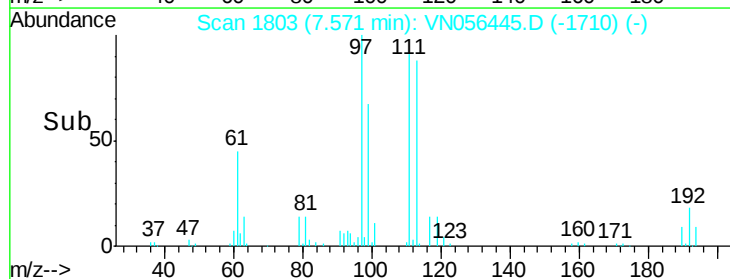
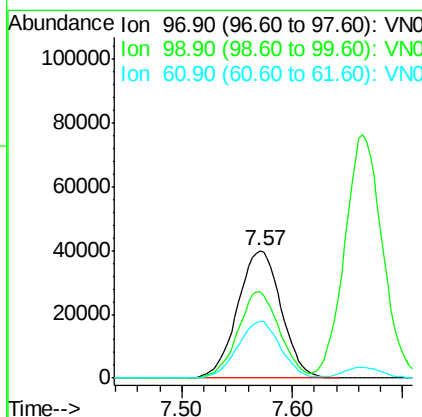
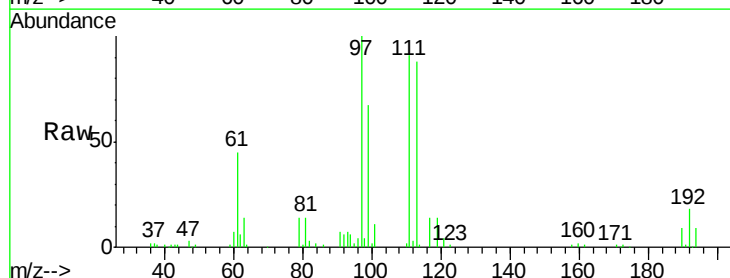
Manual Integrations
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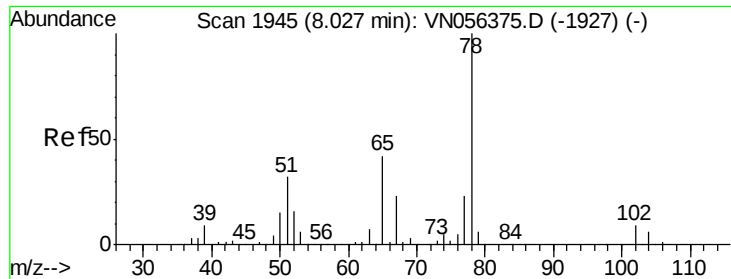
MMDadoda
6/26/2019 8:14:22 AM



#32
1,1,1-Trichloroethane
Concen: 21.115 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	43.5	33.9	50.9





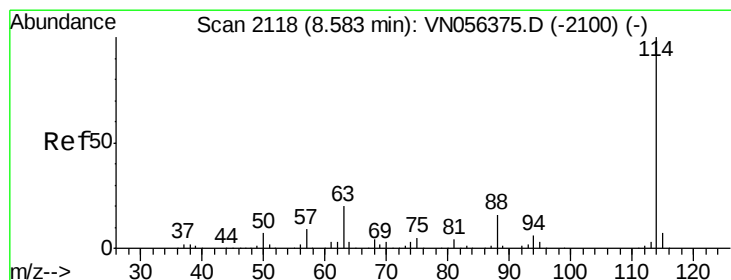
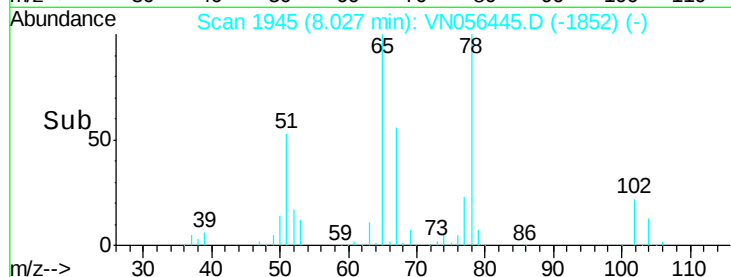
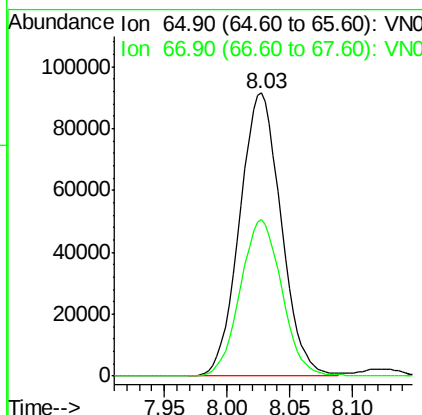
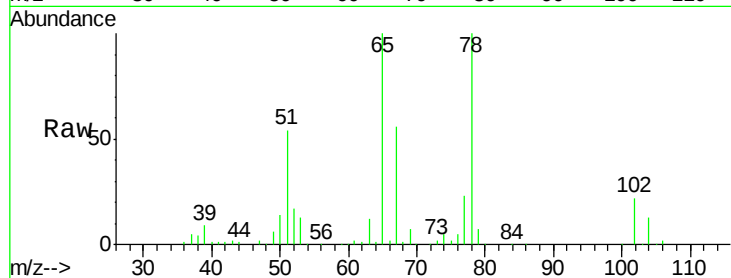
#33
 1,2-Dichloroethane-d4
 Concen: 50.861 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0624WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	210715		
67	55.4	0.0	109.0	

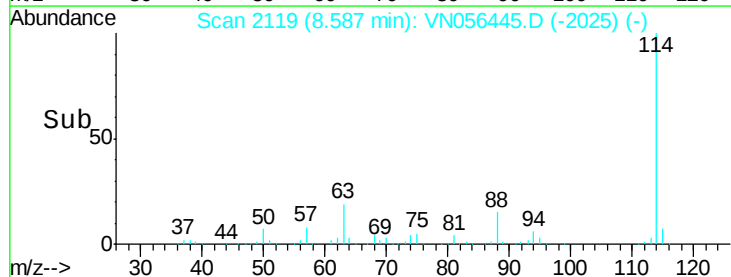
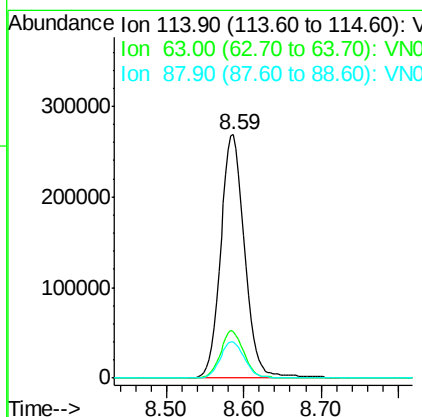
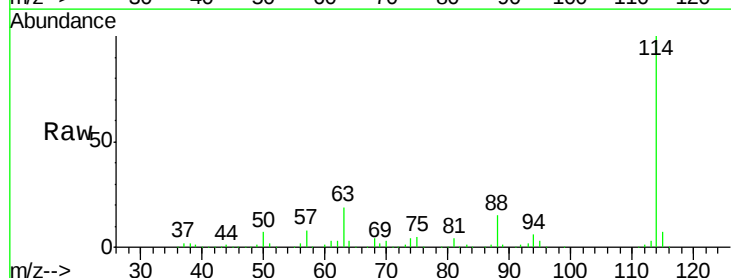
Manual Integrations
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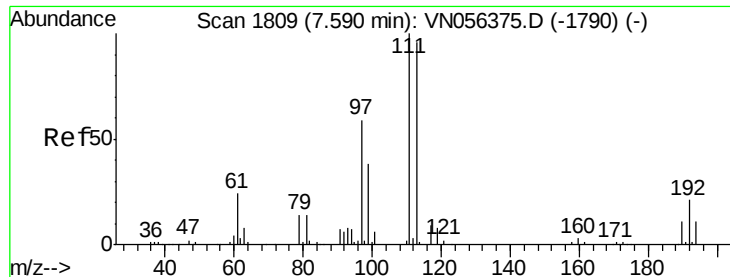
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 6/26/2019 8:14:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	580322		
63	19.0	0.0	39.2	
88	14.8	0.0	31.4	





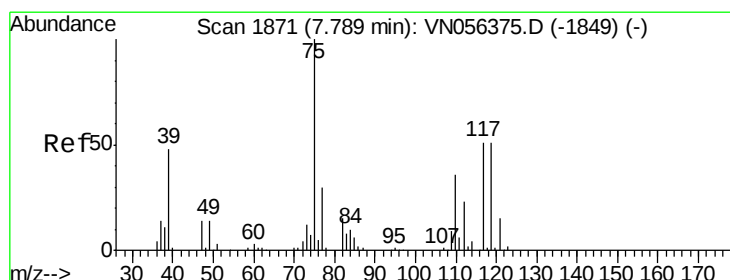
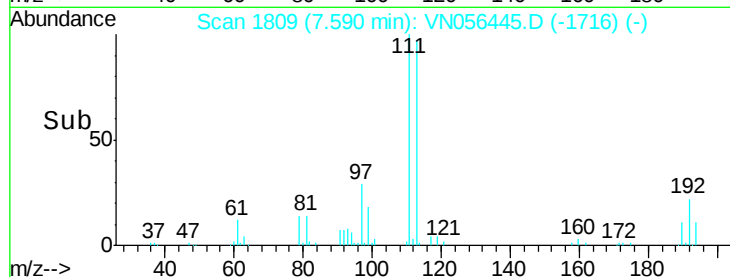
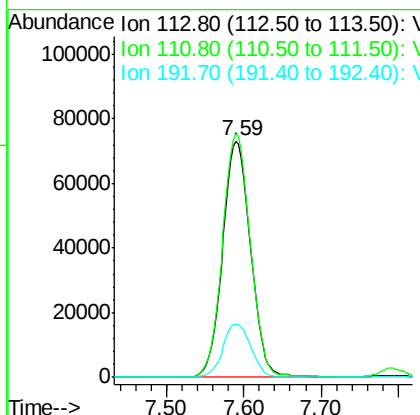
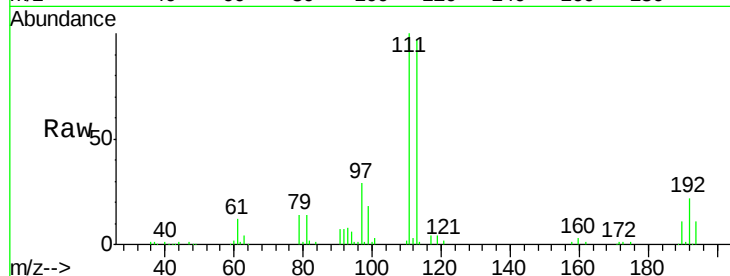
#35
 Dibromofluoromethane
 Concen: 50.722 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	82.9	124.3	
192	22.6	17.7	26.5	

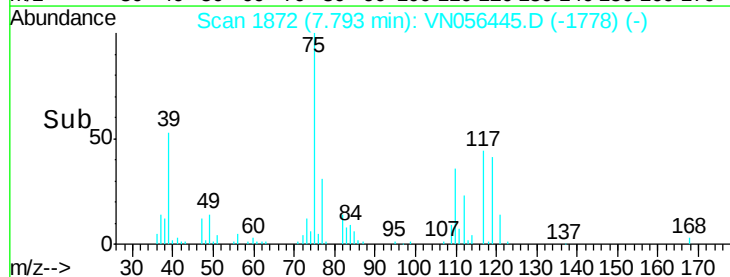
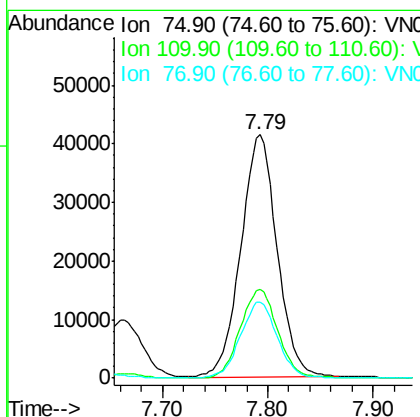
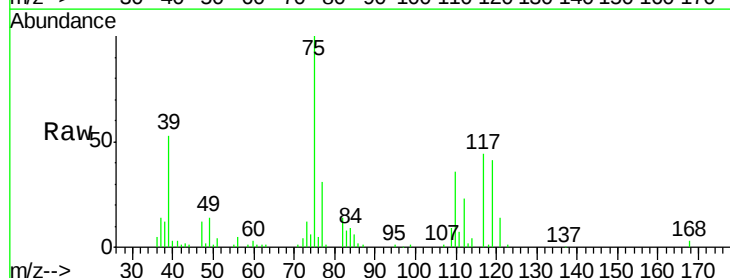
Manual Integrations
 APPROVED

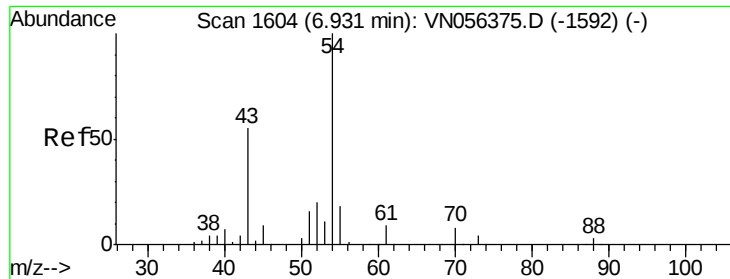
MMDadoda
 6/26/2019 8:14:22 AM



#36
 1,1-Dichloropropene
 Concen: 19.378 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	18.1	54.3	
77	31.9	24.6	36.8	





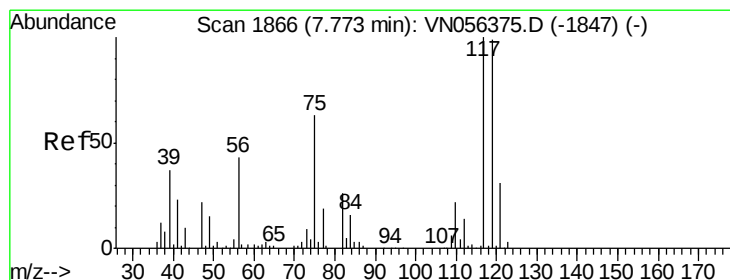
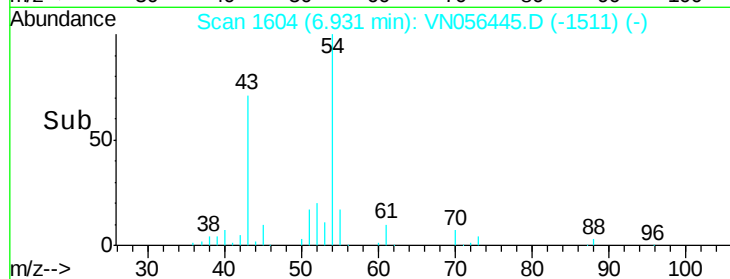
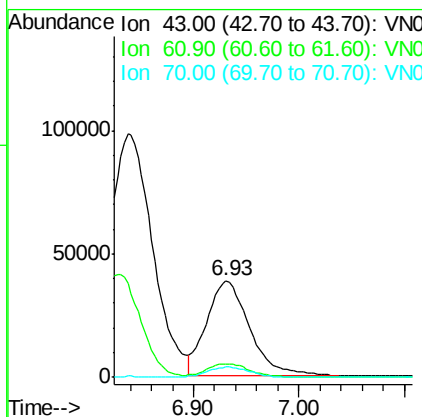
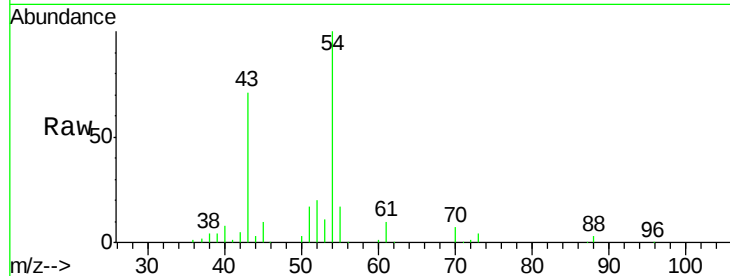
#37
Ethyl Acetate
Concen: 21.654 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	10.7	8.3	12.5

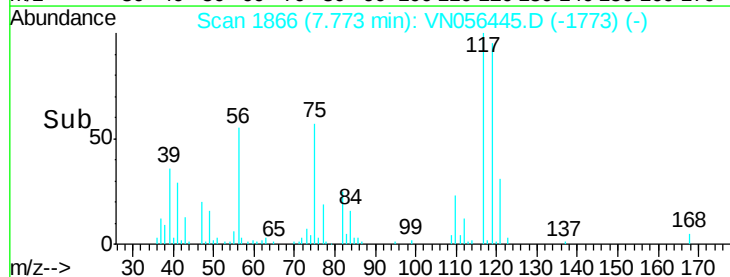
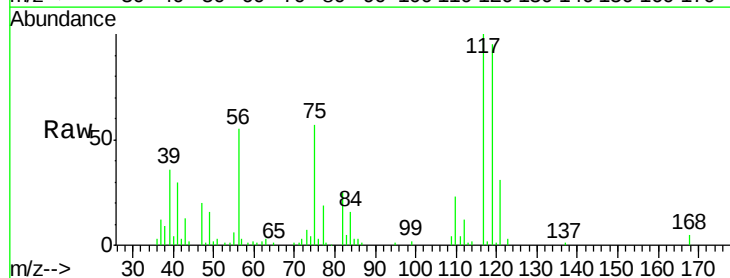
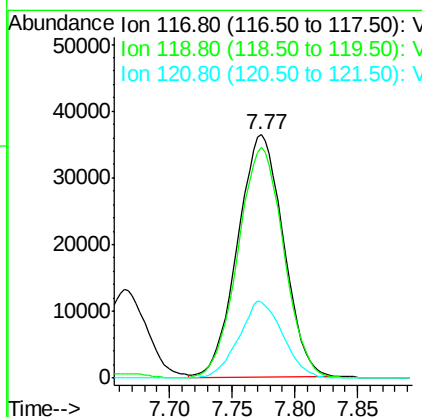
Manual Integrations
APPROVED

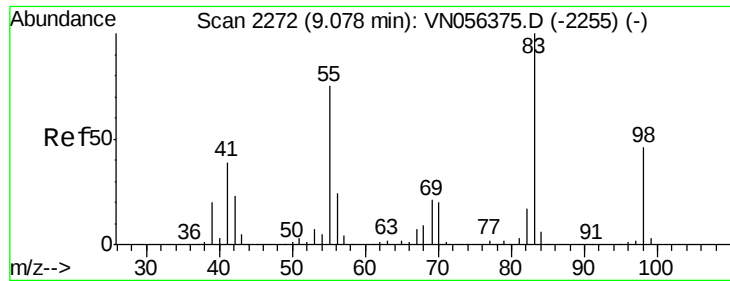
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.654 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.1	118.7
121	31.4	24.8	37.2





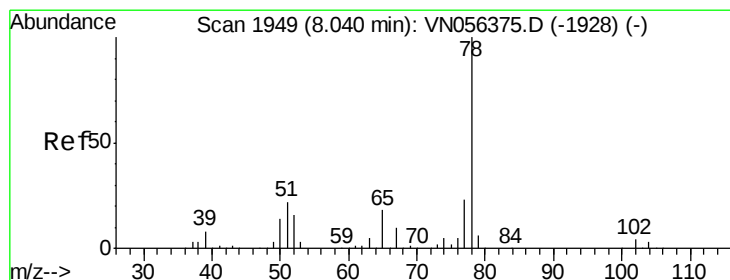
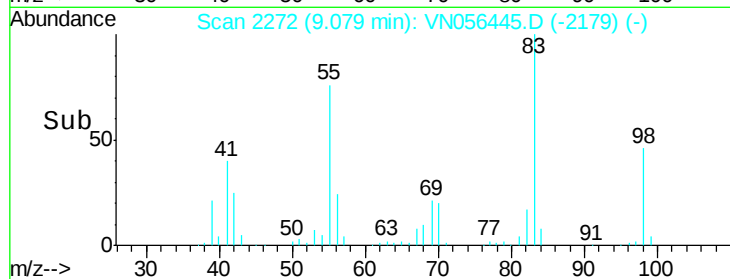
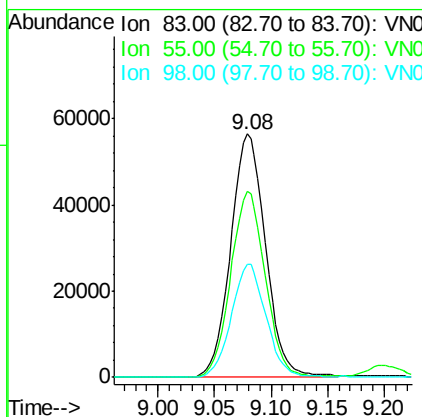
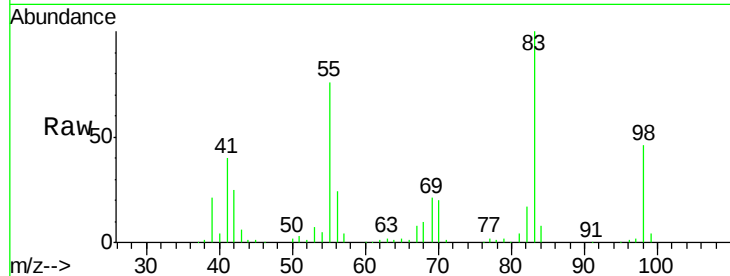
#39
Methvlcvclohexane
Concen: 19.262 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	60.0	90.0
98	46.4	36.6	54.8

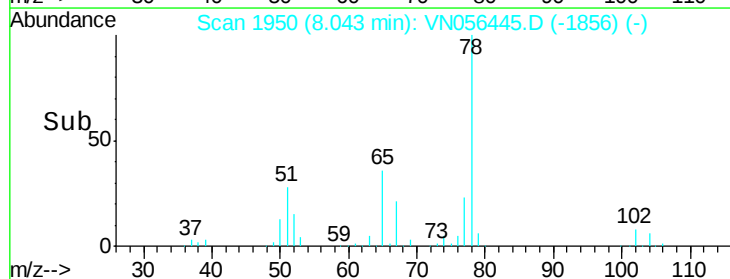
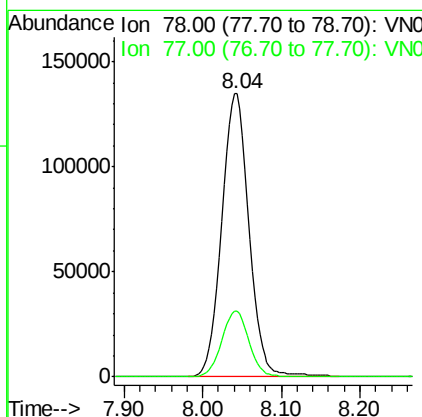
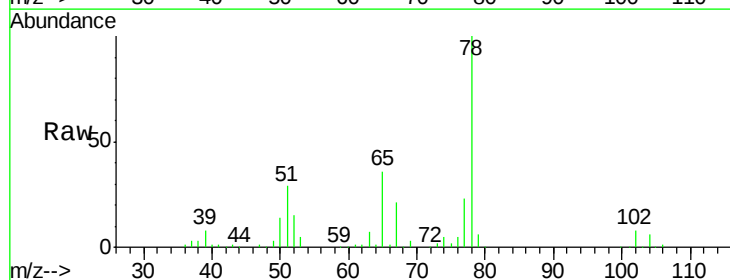
Manual Integrations
APPROVED

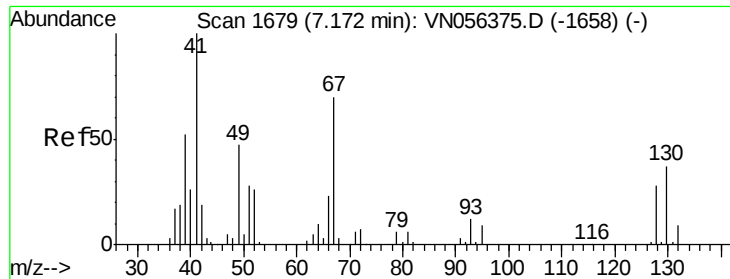
MMDadoda
6/26/2019 8:14:22 AM



#40
Benzene
Concen: 20.503 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5





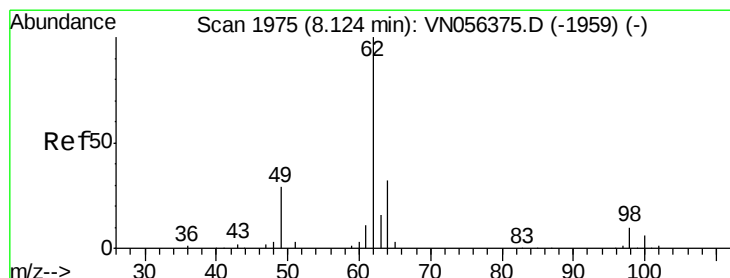
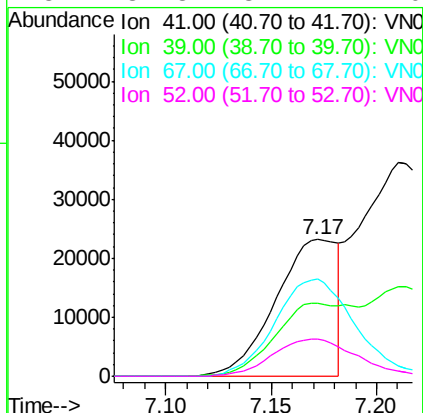
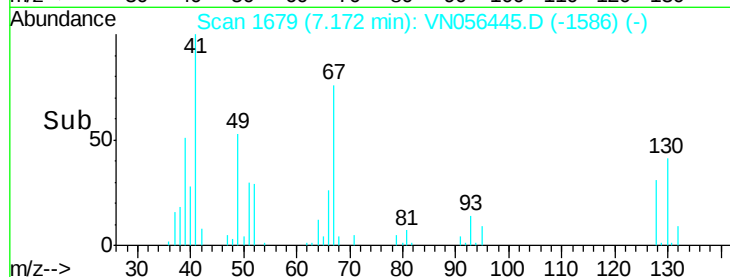
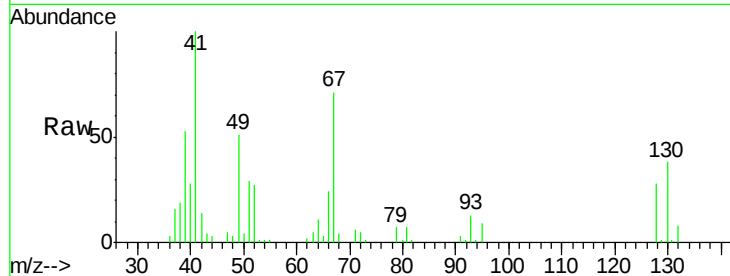
#41
Methacrylonitrile
Concen: 21.315 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampled :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.1	55.3	82.9
67	93.0	79.2	118.8
52	37.8	31.4	47.0

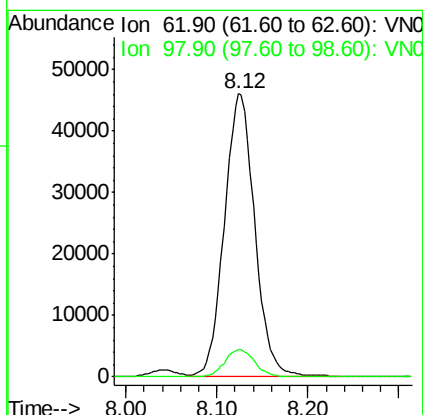
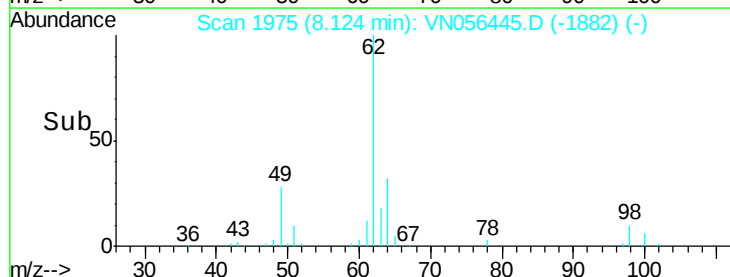
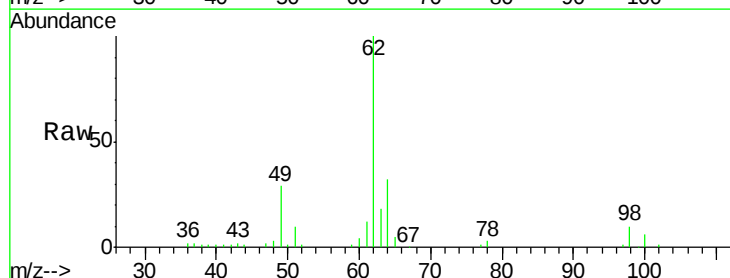
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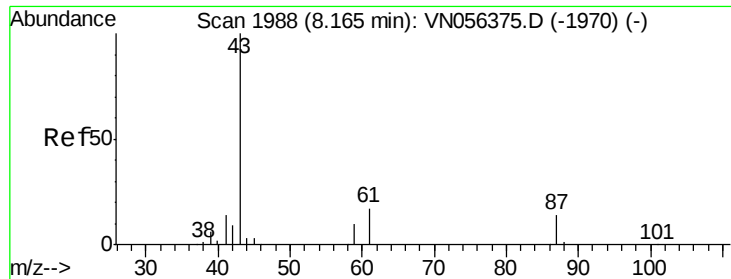
MMDadoda
6/26/2019 8:14:22 AM



#42
1,2-Dichloroethane
Concen: 20.630 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4





#43

Isopropyl Acetate

Concen: 21.003 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

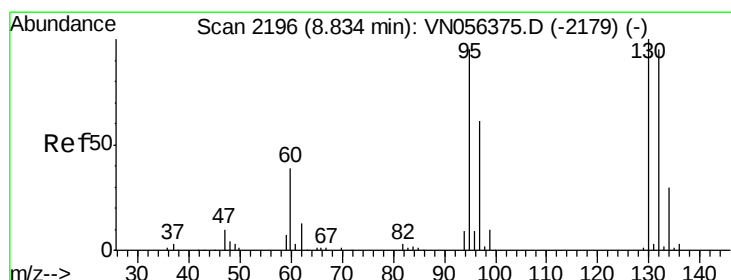
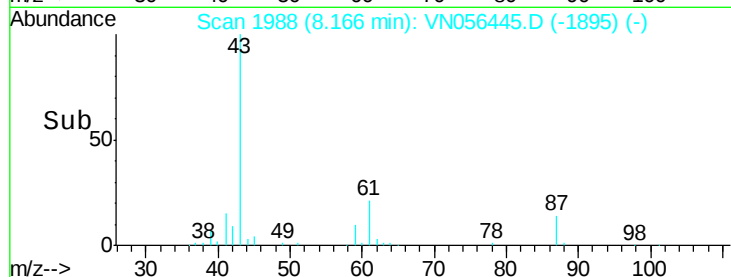
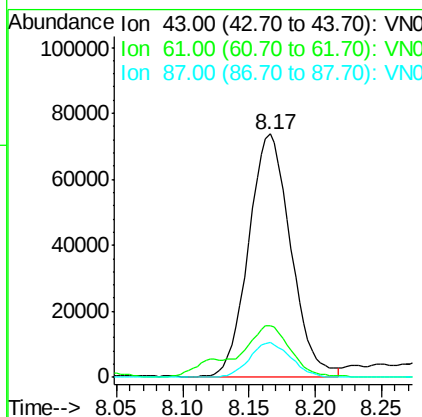
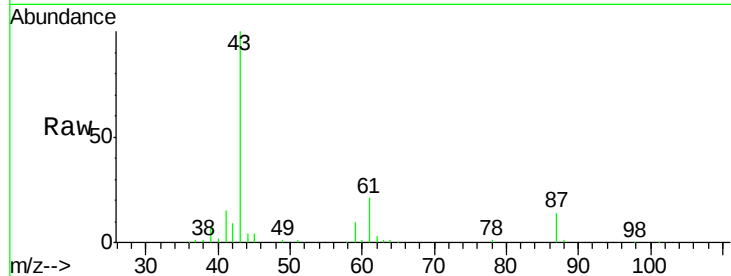
ClientSampleId :

VN0624WBS01

Tot Ion:	43	Resp:	162569
Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.0	33.0#
87	14.1	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.006 ug/l

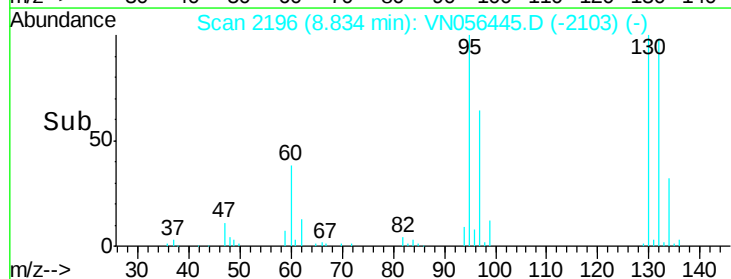
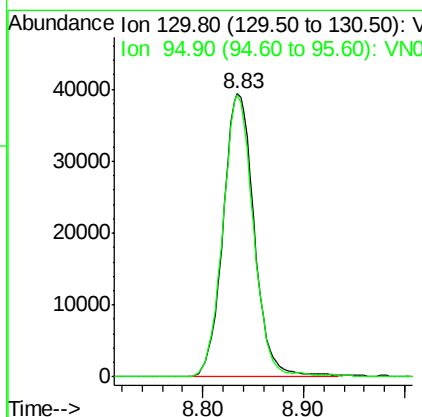
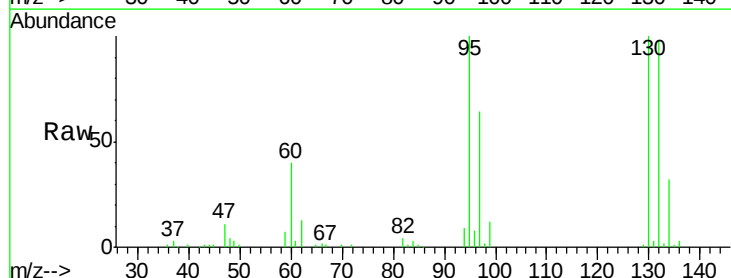
RT: 8.83 min Scan# 2196

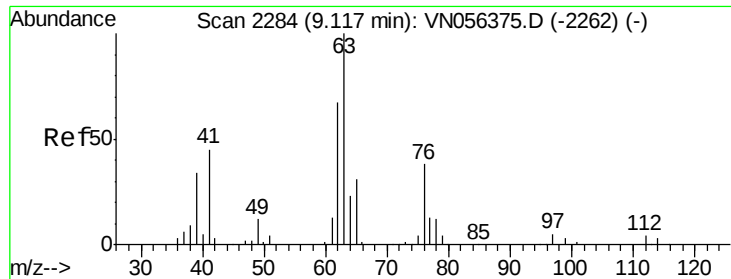
Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Tgt Ion:	130	Resp:	84674
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	191.0





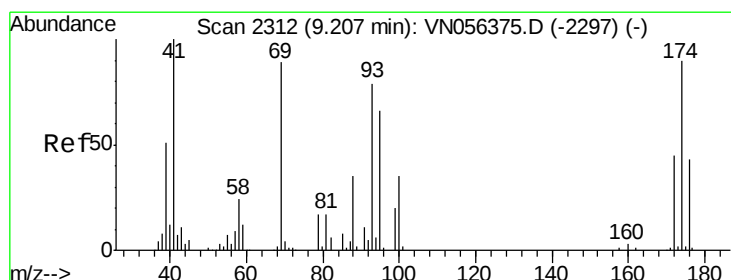
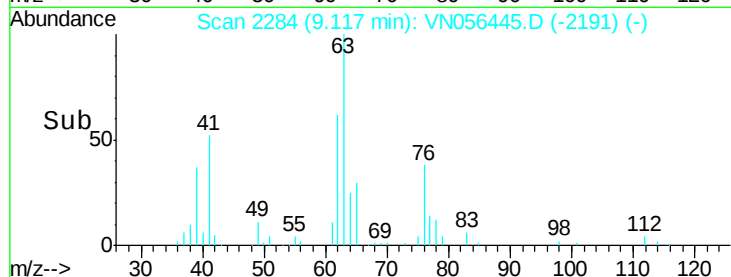
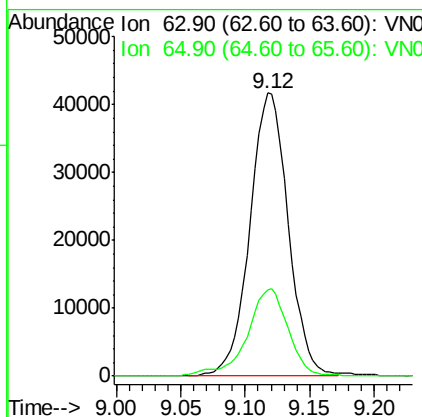
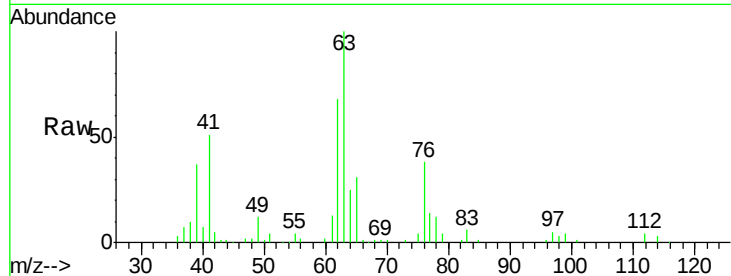
#45
 1,2-Dichloropropane
 Concen: 20.603 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion: 63 Resp: 86572
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

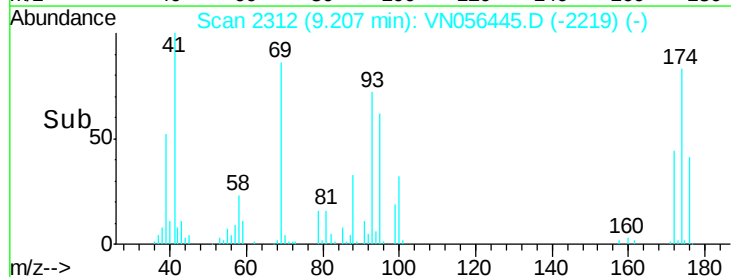
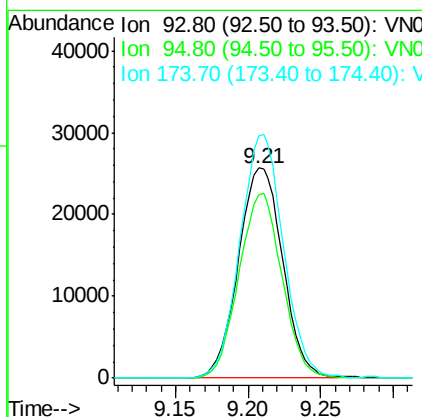
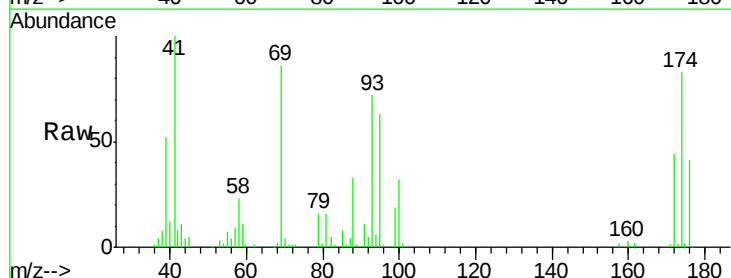
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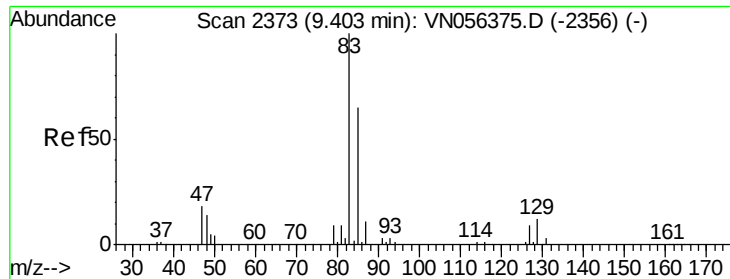
MMDadoda
 6/26/2019 8:14:22 AM



#46
 Dibromomethane
 Concen: 20.804 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion: 93 Resp: 54690
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.2 99.2
 174 113.4 90.8 136.2





#47

Bromodichloromethane

Concen: 21.536 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

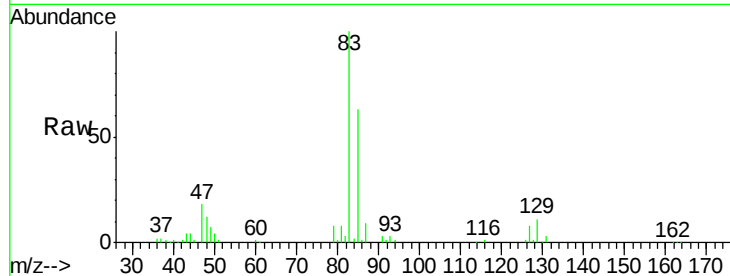
ClientSampleId :

VN0624WBS01

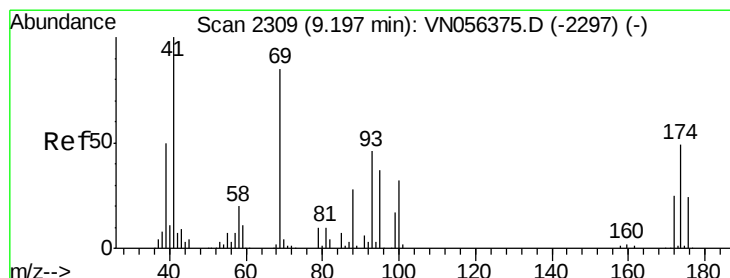
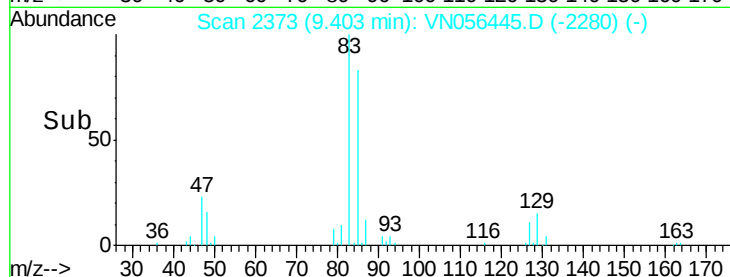
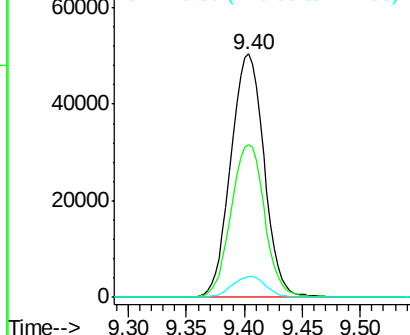
Tot Ion:	83	Resp:	100413
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.2	78.4
127	8.5	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.380 ug/l

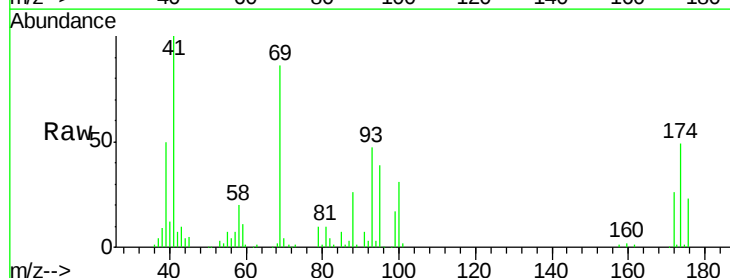
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

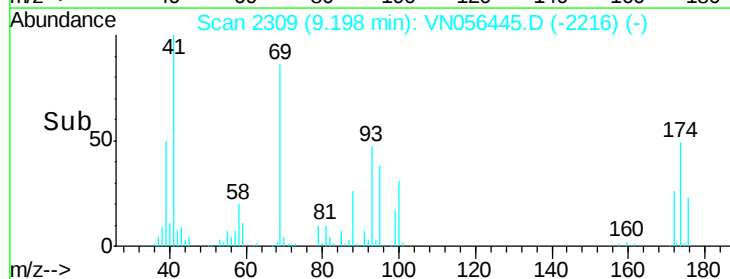
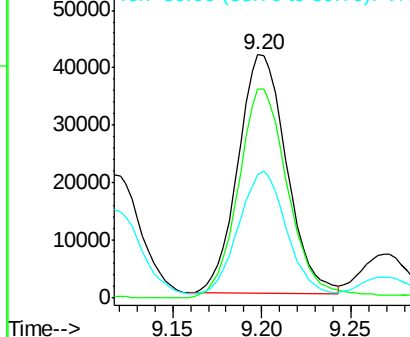
Lab File: VN056445.D

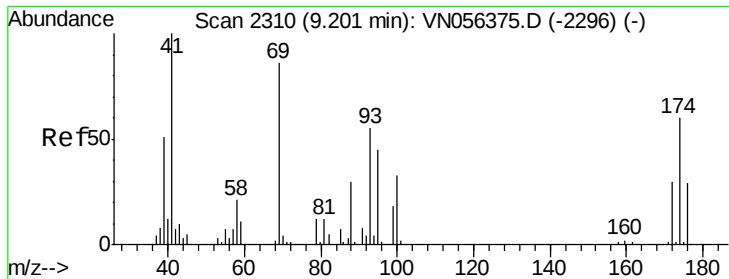
Acq: 24 Jun 2019 11:04

Tgt Ion:	41	Resp:	79049
Ion Ratio	Lower	Upper	
41	100		
69	91.2	72.6	109.0
39	53.1	42.6	63.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





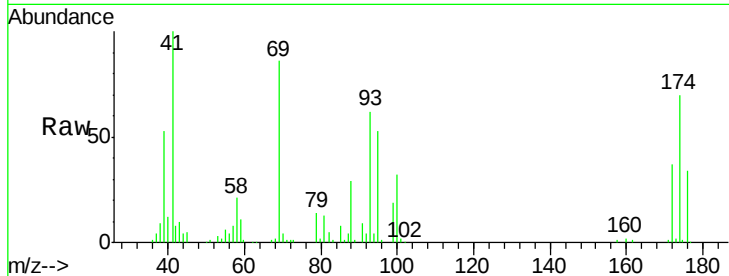
#49
1,4-Dioxane
Concen: 415.610 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	88	Resp	33454
Ion	Ratio	Lower	Upper
88	100		
43	27.8	22.0	33.0
58	72.4	51.8	77.8

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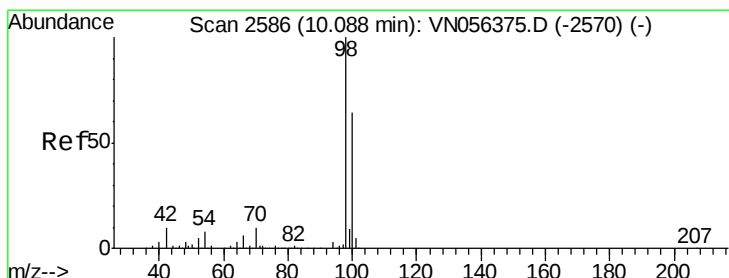
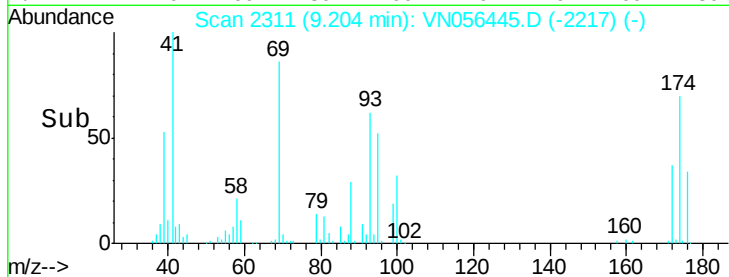
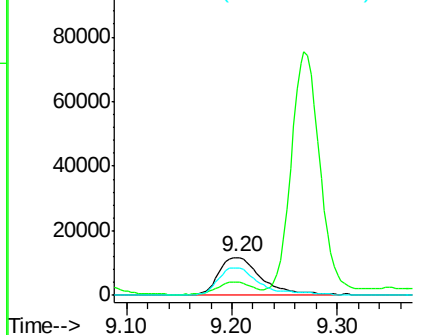


Abundance

Ion 88.00 (87.70 to 88.70): VN0

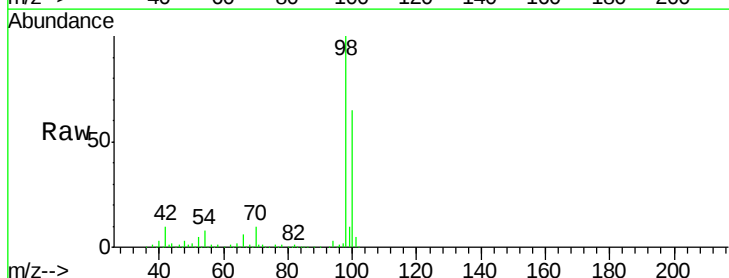
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 48.645 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

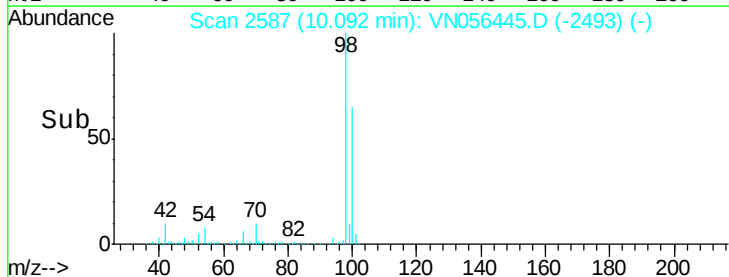
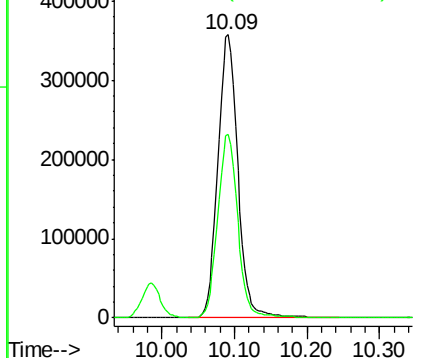
Tgt Ion	98	Resp	685243
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2

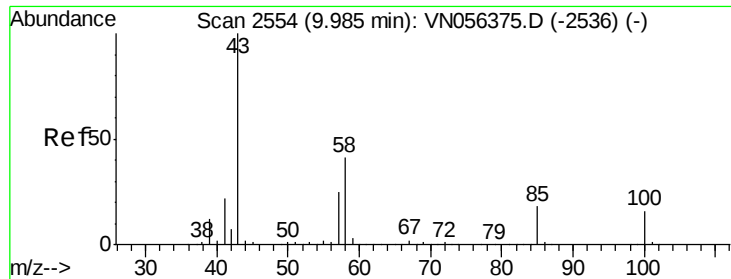


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 105.073 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion: 43 Resp: 524930

Ion Ratio Lower Upper

43 100

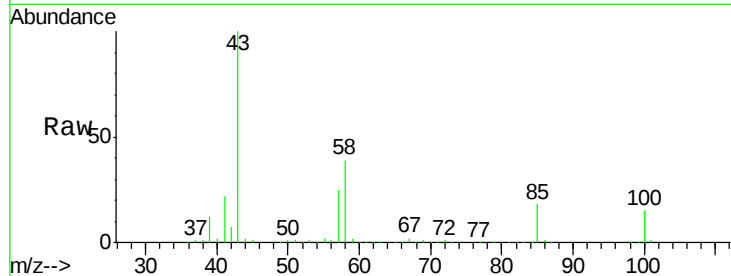
58 39.2 31.8 47.8

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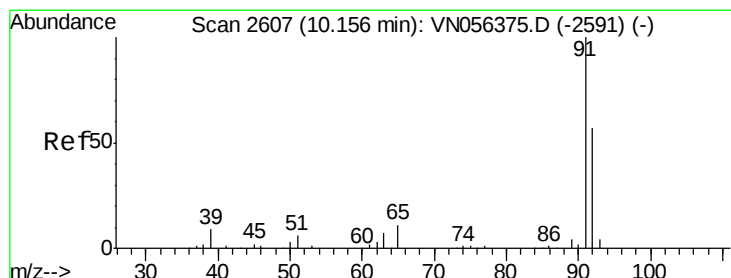
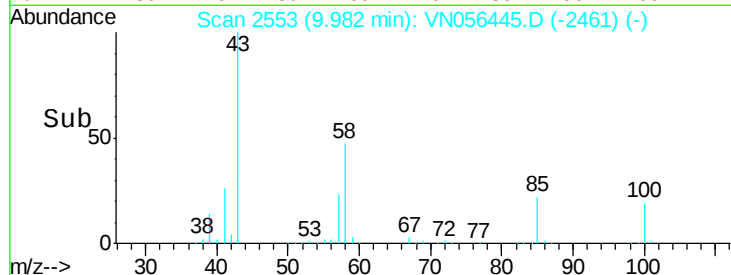
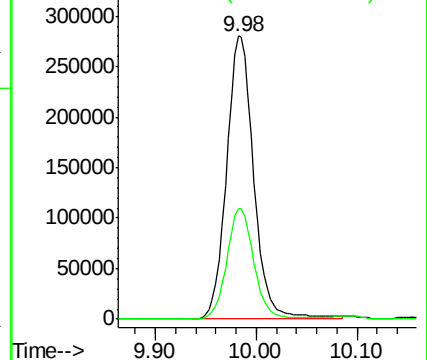
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.136 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056445.D

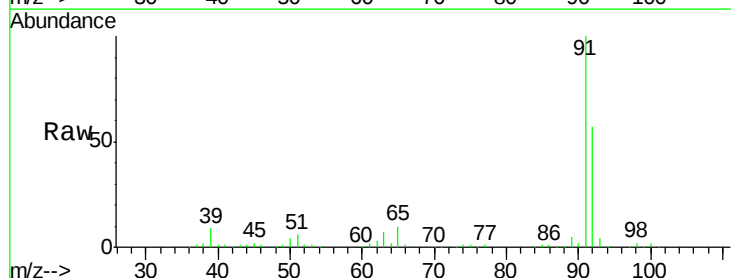
Acq: 24 Jun 2019 11:04

Tgt Ion: 92 Resp: 193421

Ion Ratio Lower Upper

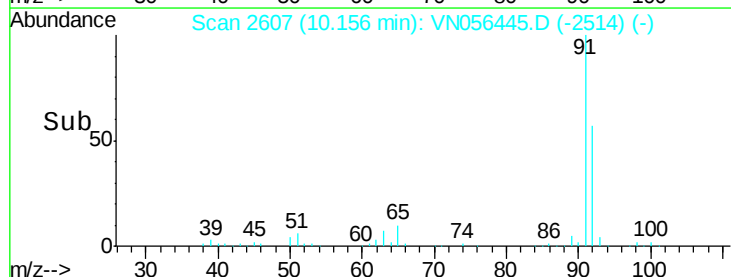
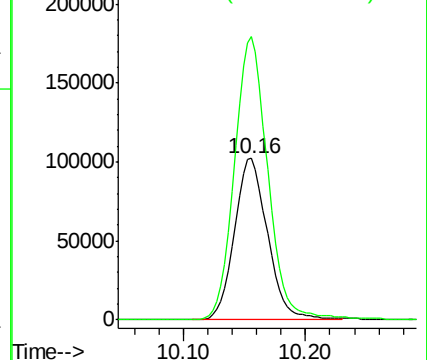
92 100

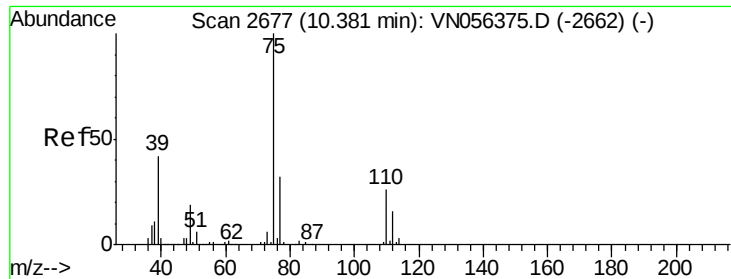
91 176.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





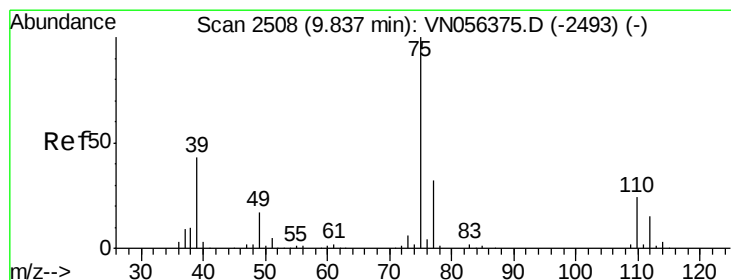
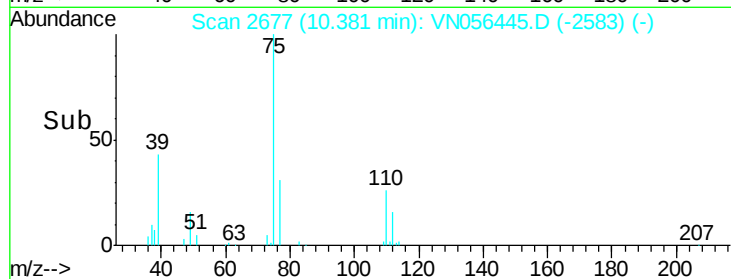
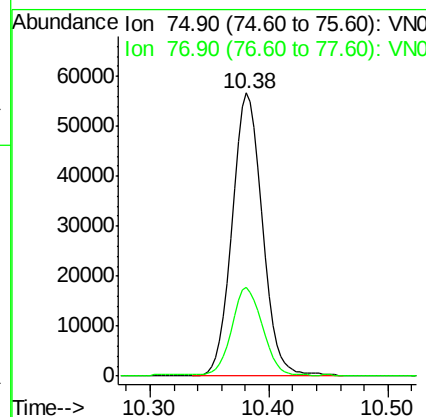
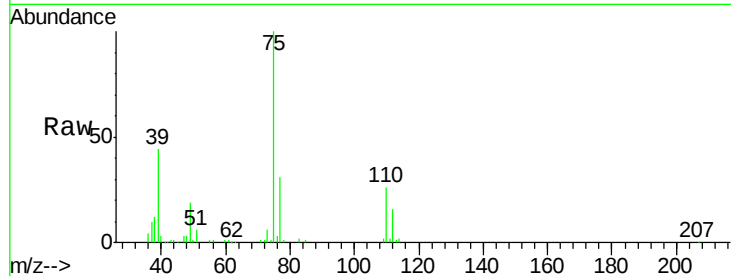
#53
t-1,3-Dichloropropene
Concen: 20.241 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

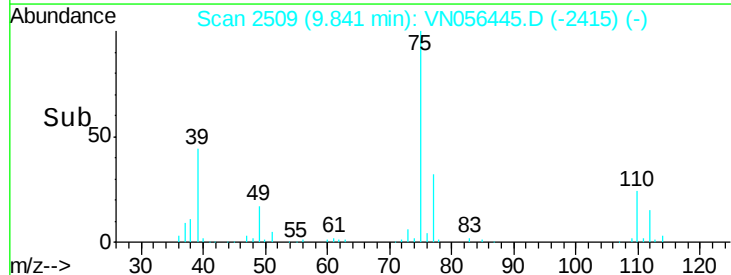
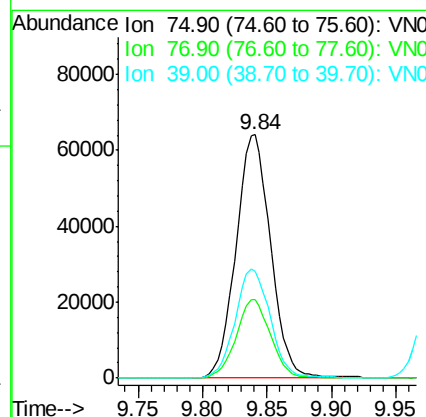
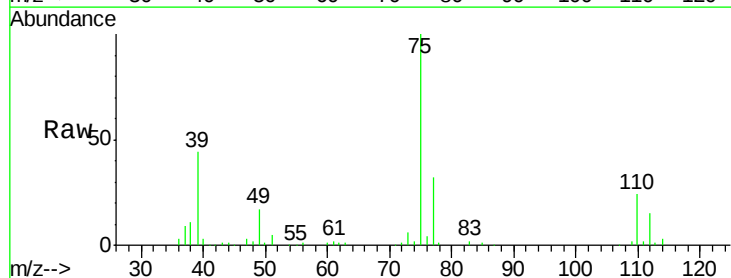
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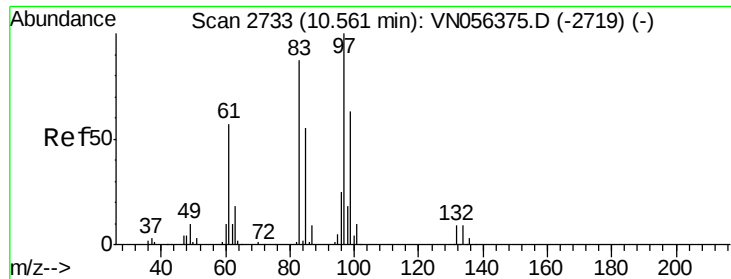
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6/26/2019 8:14:22 AM



#54
cis-1,3-Dichloropropene
Concen: 21.326 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.2	37.8
39	44.1	34.2	51.4





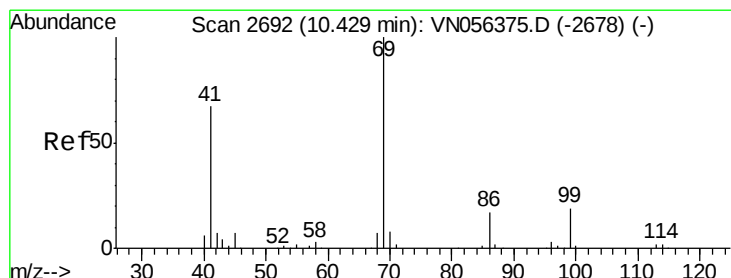
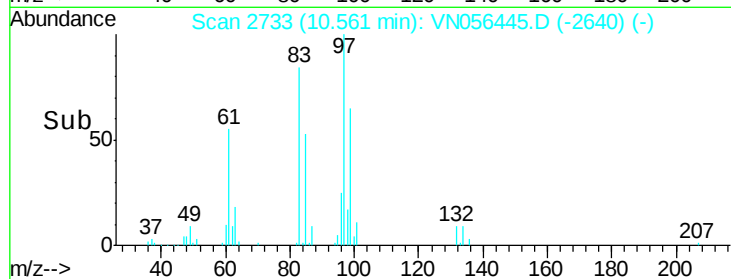
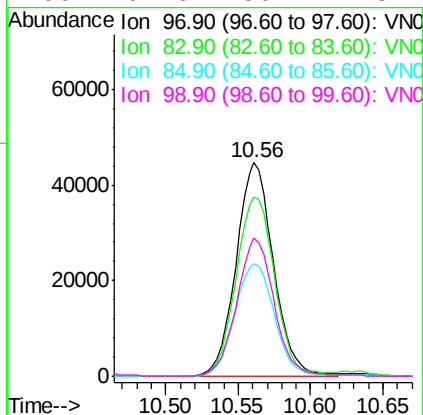
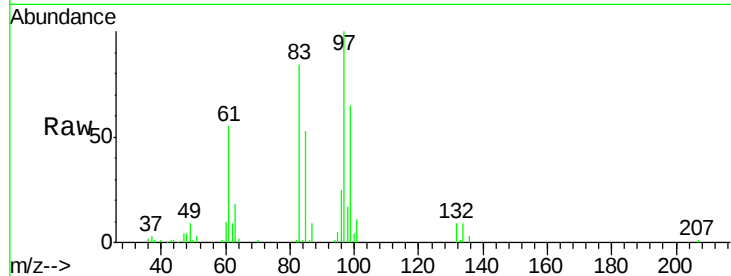
#55
 1,1,2-Trichloroethane
 Concen: 20.636 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	97	Resp	79680
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.8	104.6
85	52.7	43.8	65.8
99	64.6	50.2	75.2

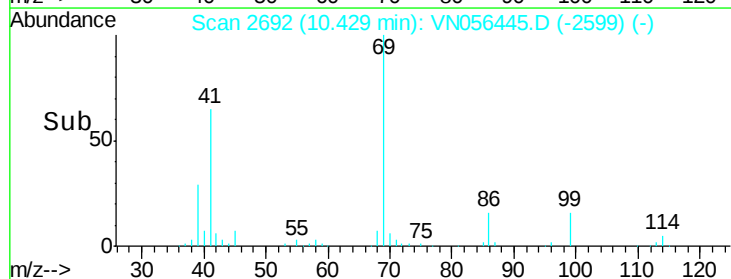
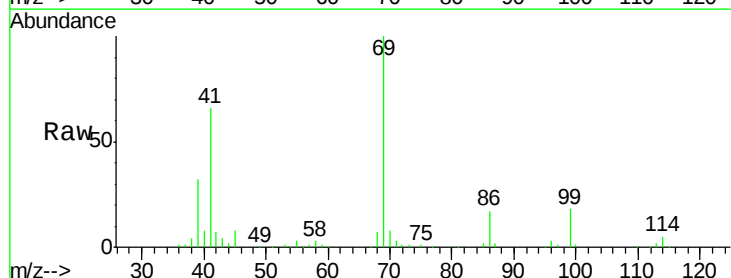
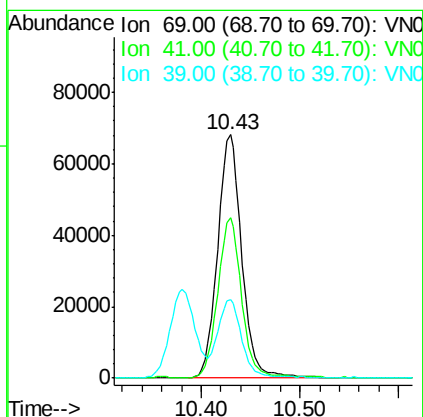
Manual Integrations
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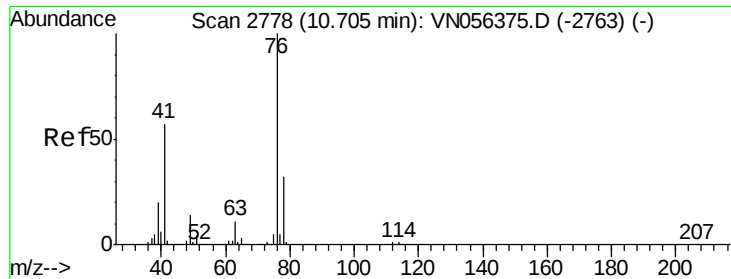
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.800 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	69	Resp	117368
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.4	77.2
39	31.2	24.7	37.1





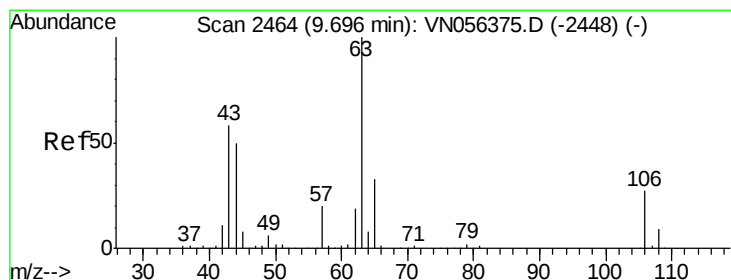
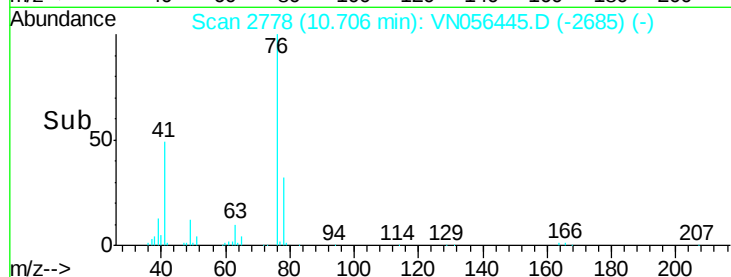
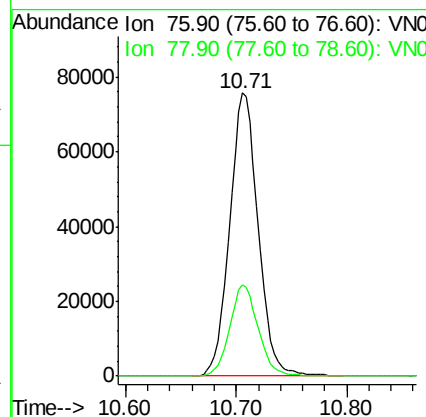
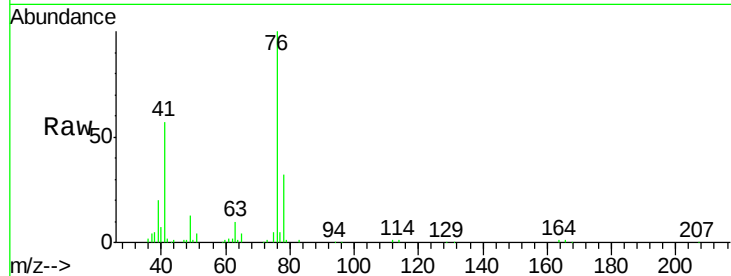
#57
 1,3-Dichloropropane
 Concen: 20.861 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

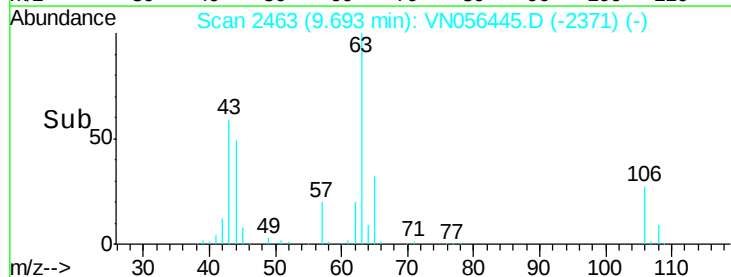
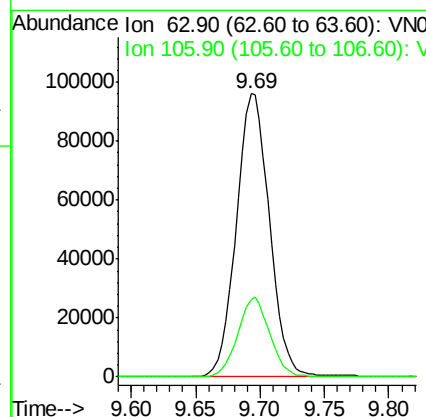
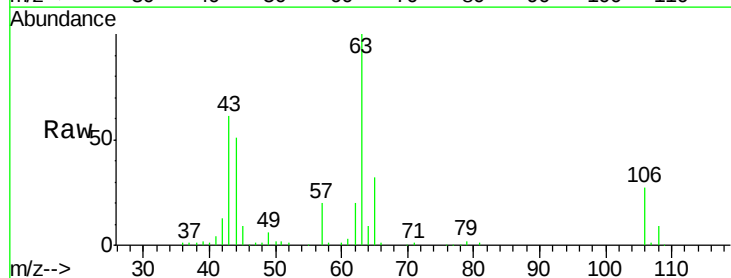
Manual Integrations
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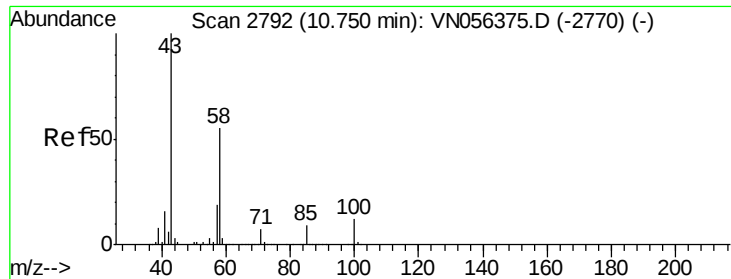
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 84.723 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.6	32.4





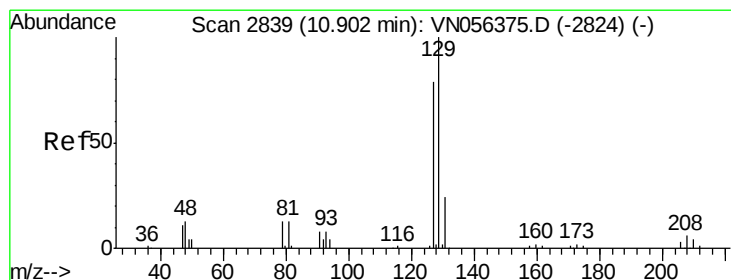
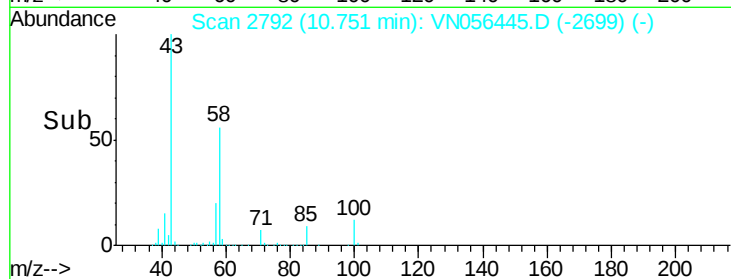
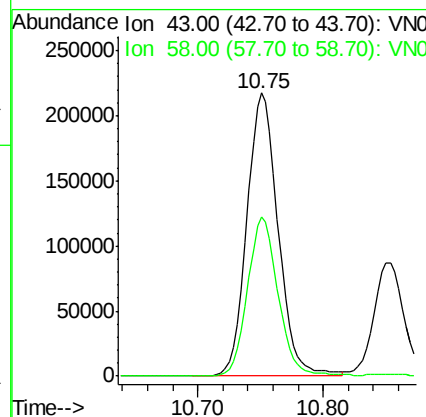
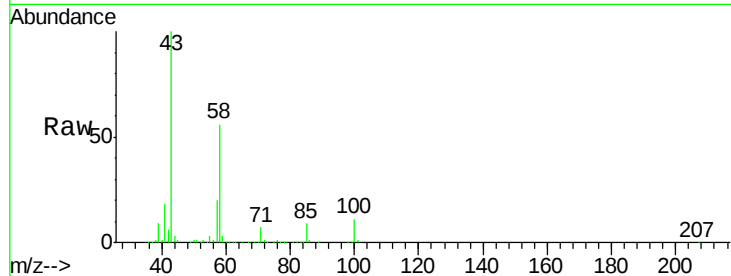
#59
2-Hexanone
Concen: 101.954 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	43	Resp	374354
Ion Ratio	100	Lower	Upper
43	100		
58	55.5	27.8	83.4

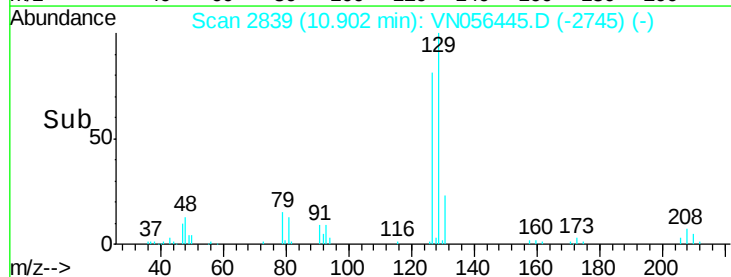
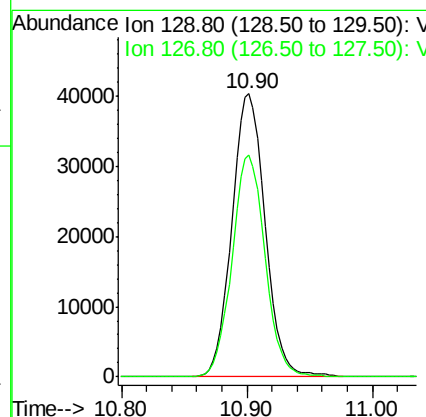
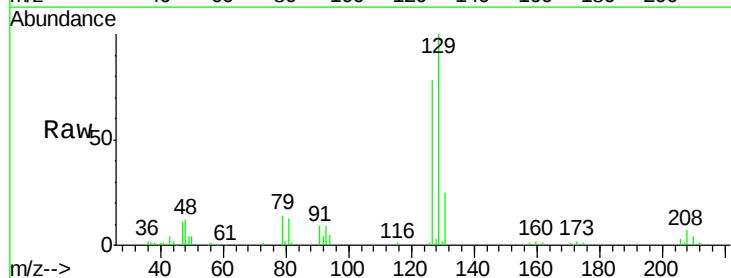
Manual Integrations
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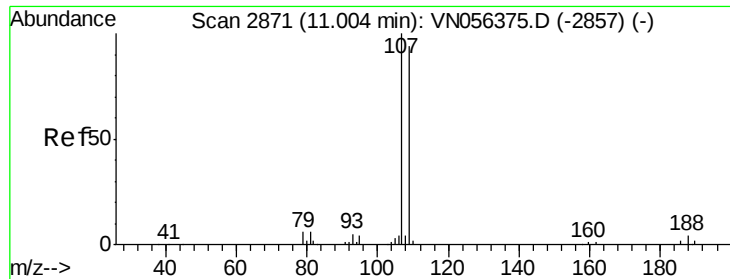
MMDadoda
6/26/2019 8:14:22 AM



#60
Dibromochloromethane
Concen: 20.235 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	129	Resp	74397
Ion Ratio	100	Lower	Upper
129	100		
127	77.8	38.9	116.7





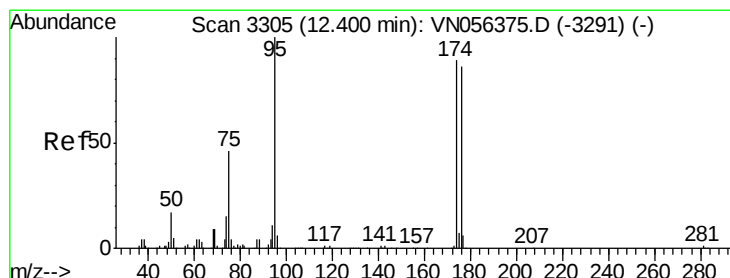
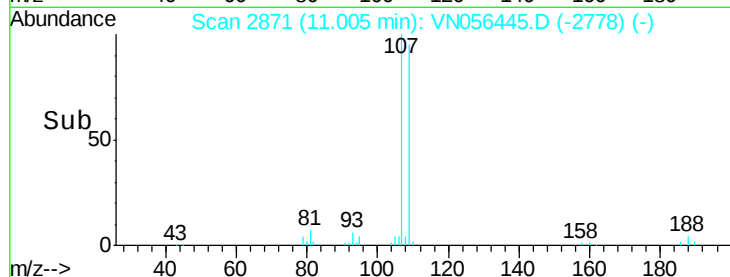
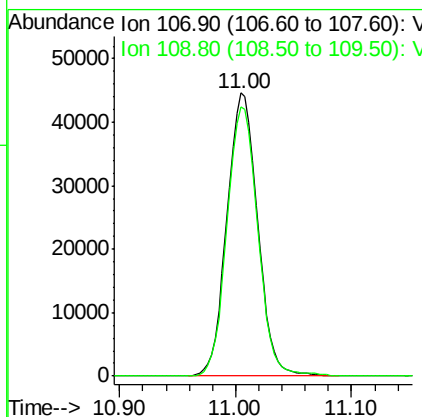
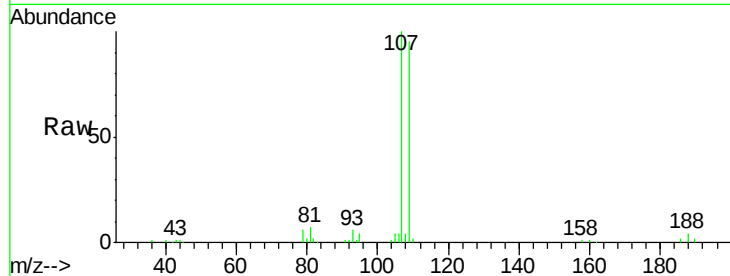
#61
1,2-Dibromoethane
Concen: 20.674 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

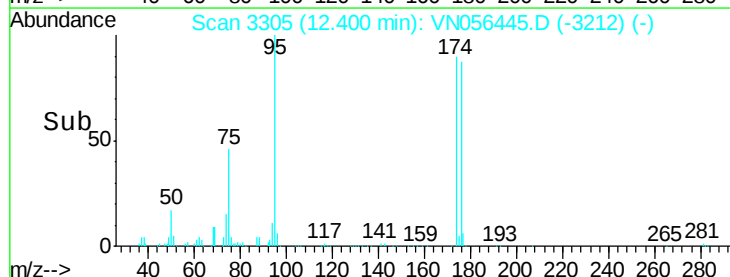
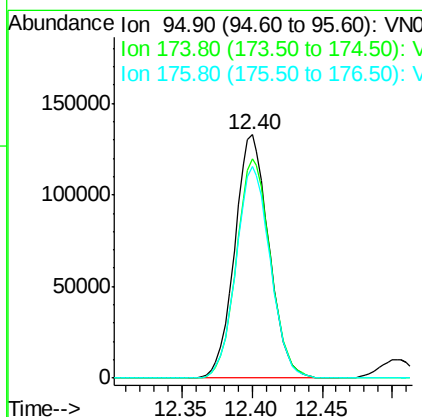
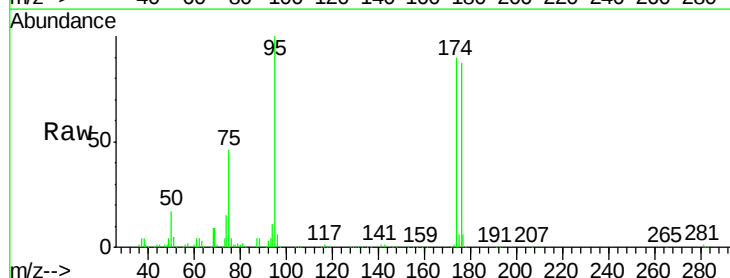
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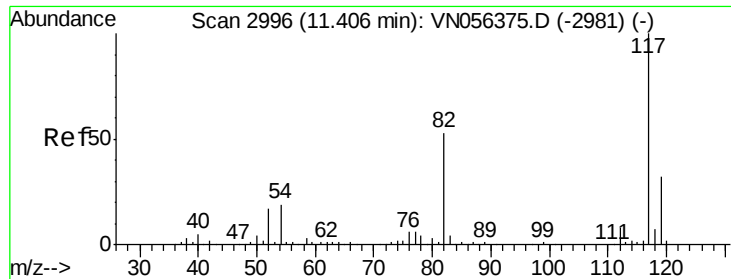
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#62
4-Bromofluorobenzene
Concen: 48.070 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	179.4
176	87.1	0.0	173.4





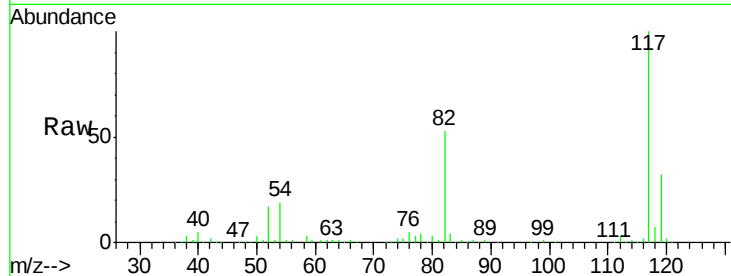
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

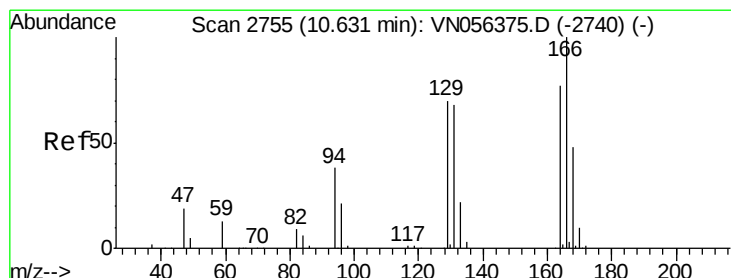
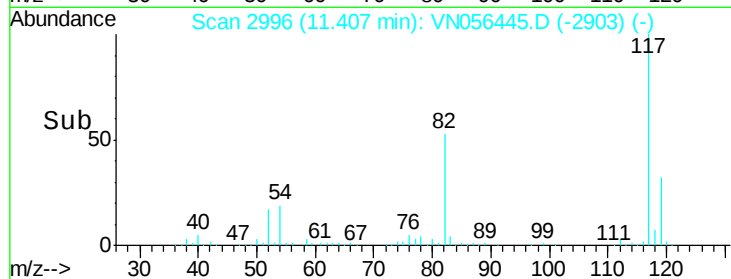
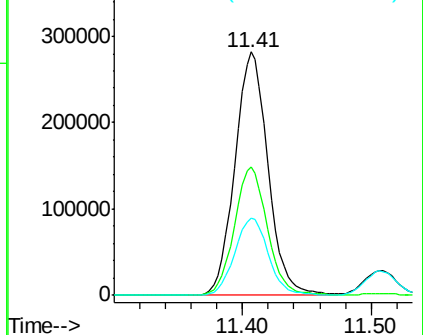
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.0	63.0
119	31.9	25.3	37.9

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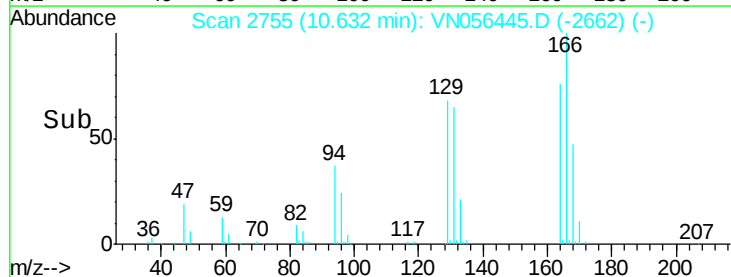
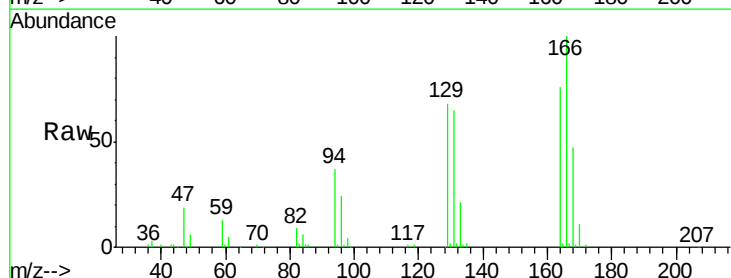
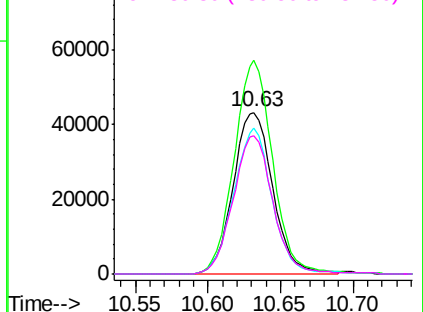
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

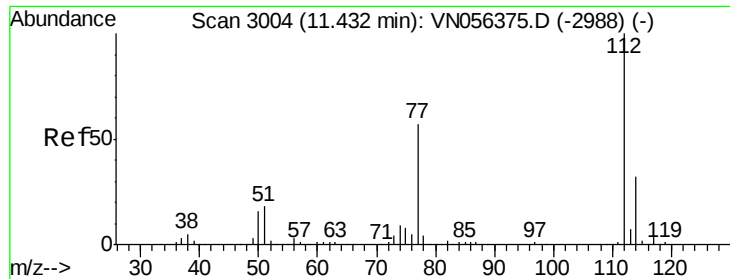


#64
Tetrachloroethene
Concen: 20.561 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	103.4	155.0
129	90.6	72.0	108.0
131	86.1	70.2	105.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.715 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion:112 Resp: 209187

Ion Ratio Lower Upper

112 100

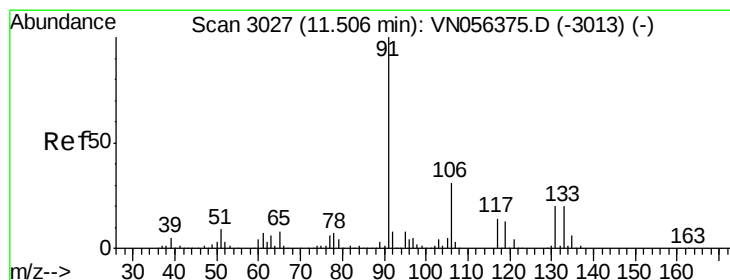
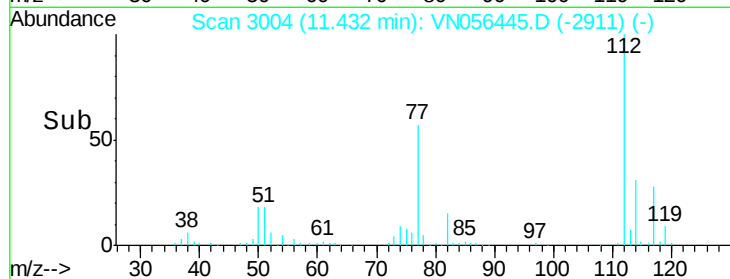
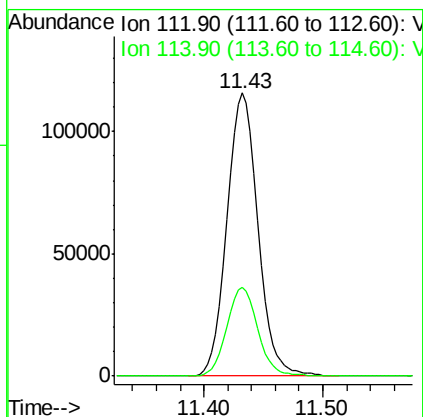
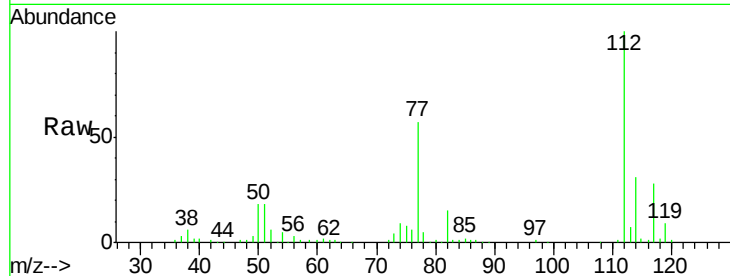
114 31.5 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.637 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

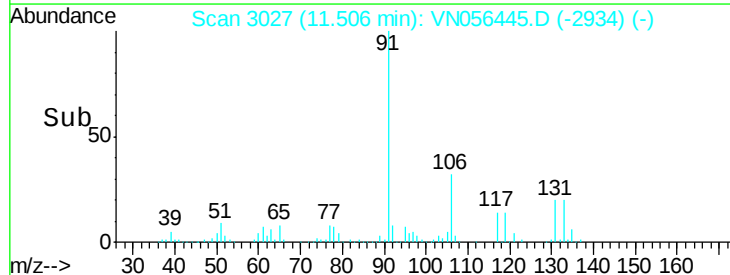
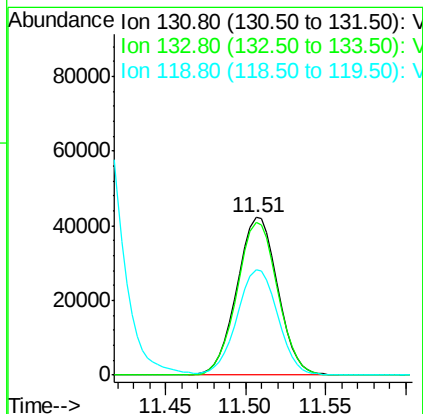
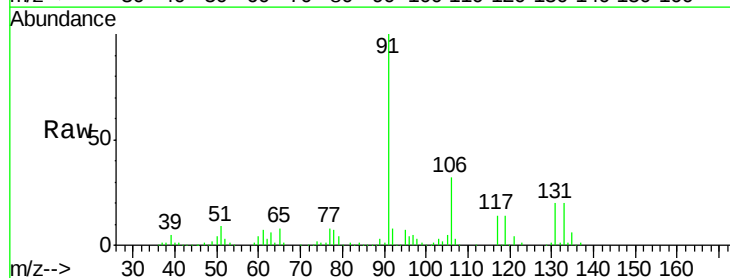
Tgt Ion:131 Resp: 73846

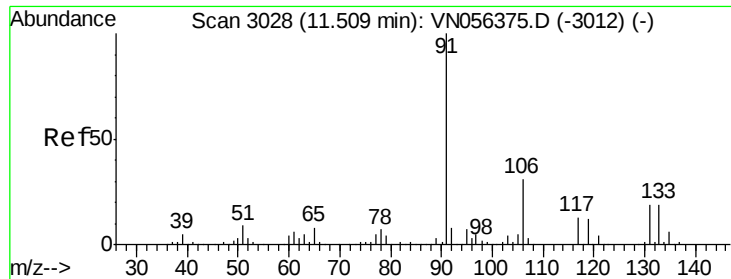
Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.2

119 66.9 32.8 98.4





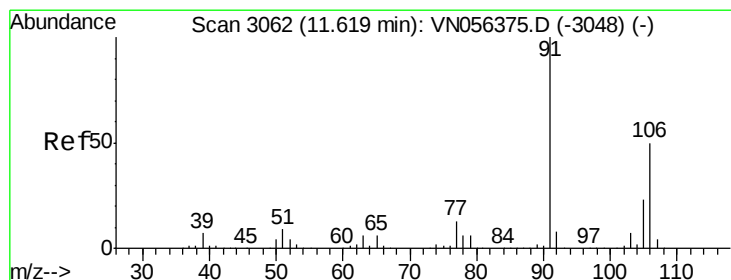
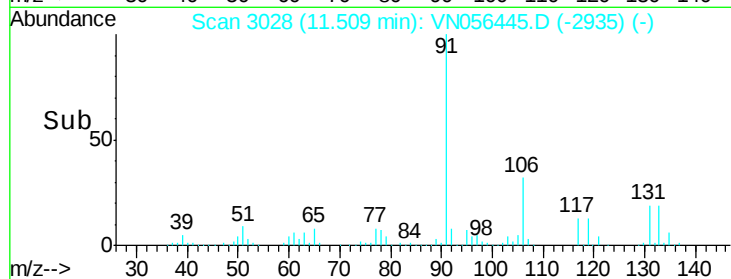
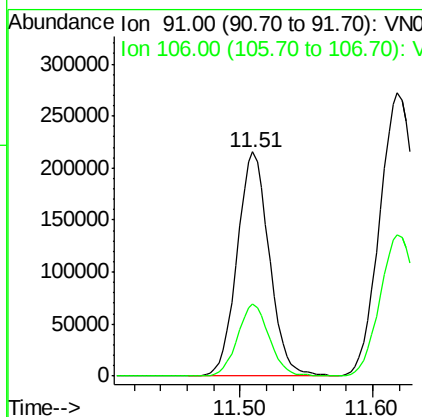
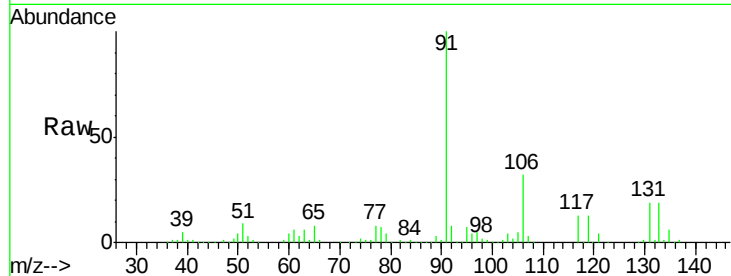
#67
Ethyl Benzene
Concen: 20.486 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion: 91 Resp: 363244
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

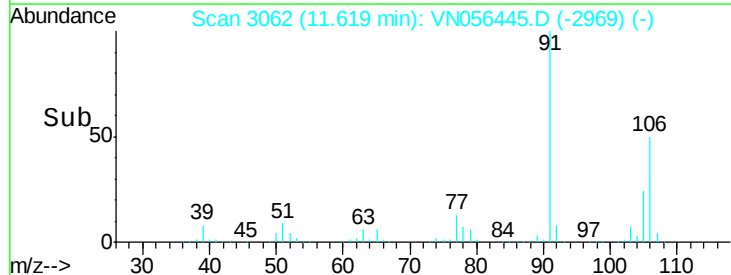
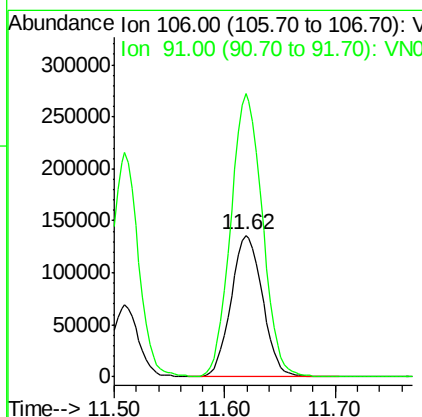
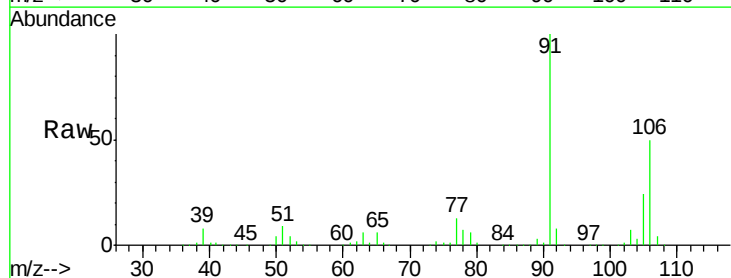
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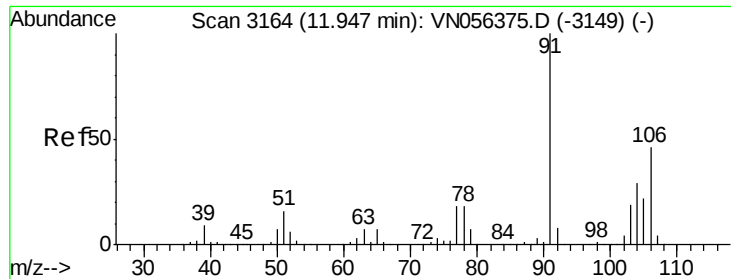
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#68
m/p-Xylenes
Concen: 41.572 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion: 106 Resp: 270138
Ion Ratio Lower Upper
106 100
91 200.2 160.1 240.1





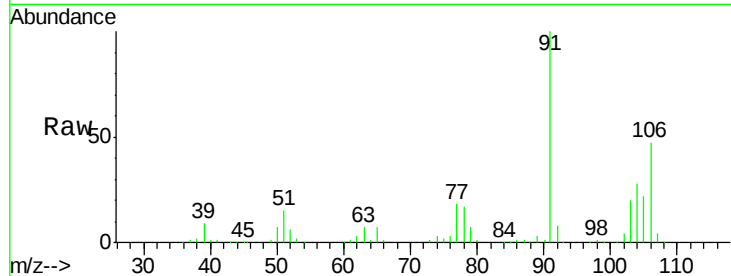
#69
o-Xylene
Concen: 20.832 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

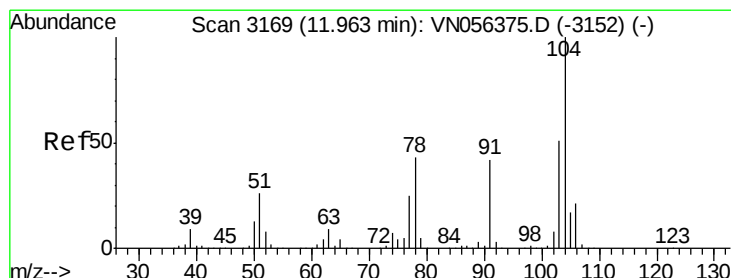
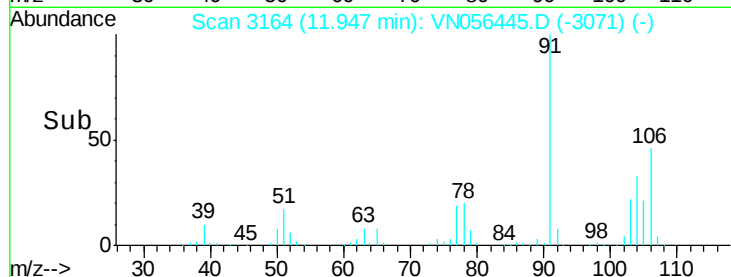
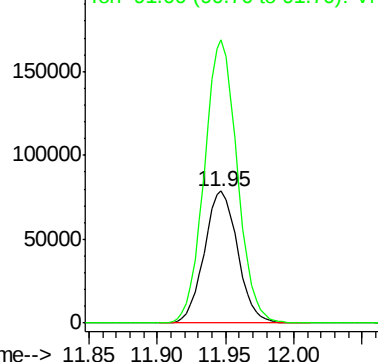
Tot Ion:106 Resp: 133924
Ion Ratio Lower Upper
106 100
91 210.9 107.1 321.3

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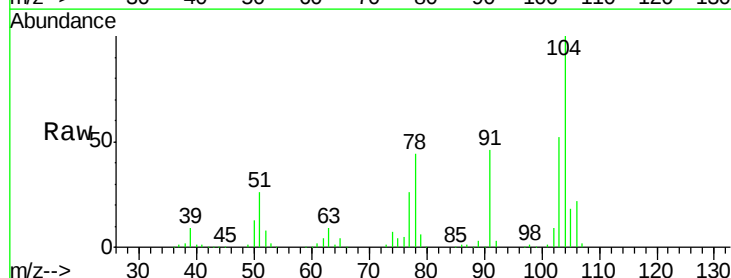


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

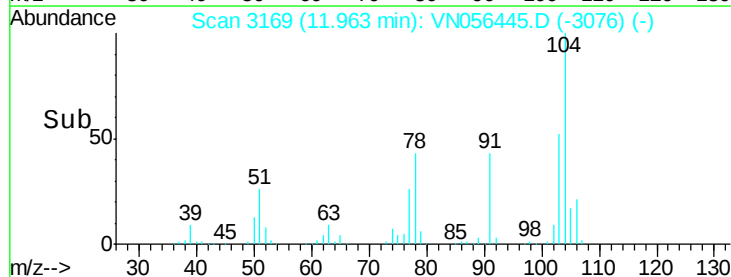
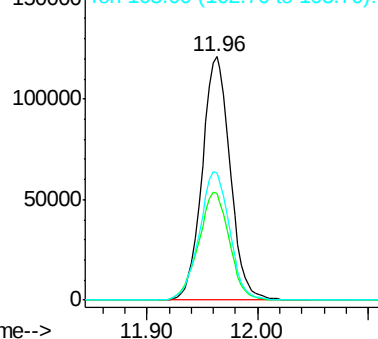


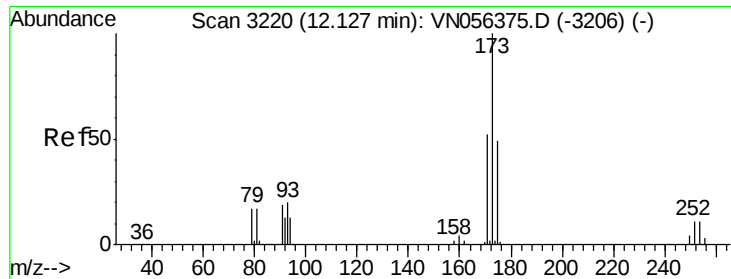
#70
Styrene
Concen: 20.768 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion:104 Resp: 213408
Ion Ratio Lower Upper
104 100
78 48.7 38.6 57.8
103 56.9 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





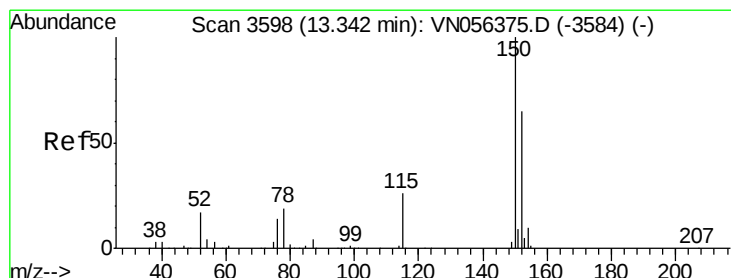
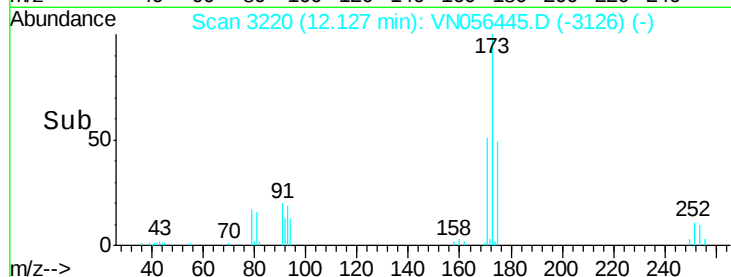
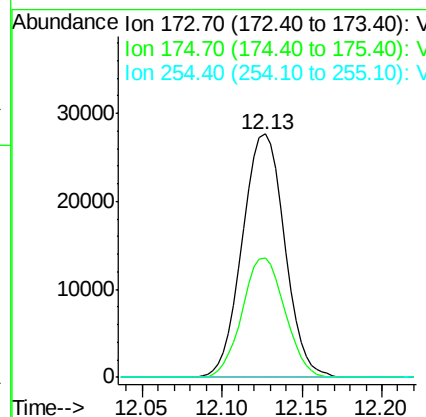
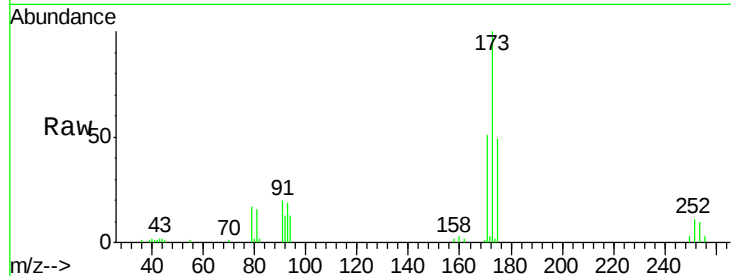
#71
Bromoform
Concen: 20.191 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.4
254	0.0	0.0	0.0

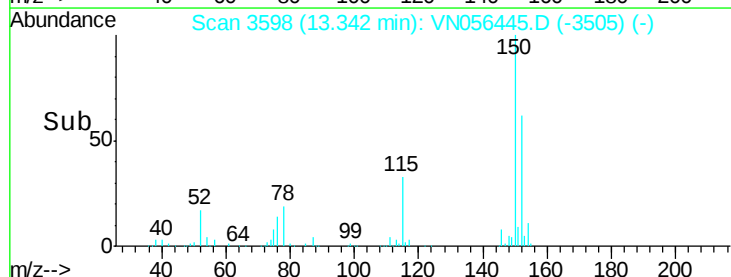
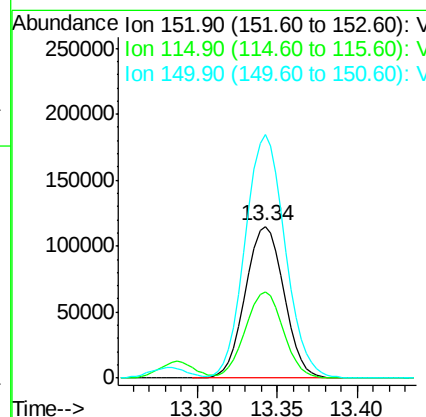
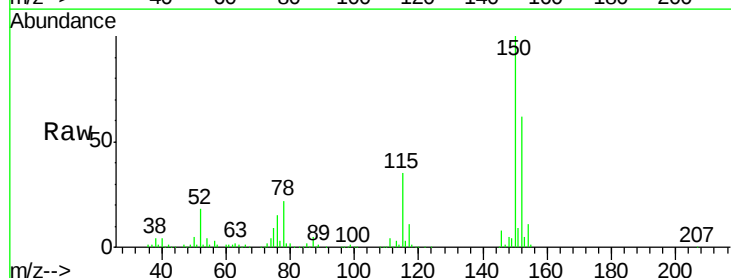
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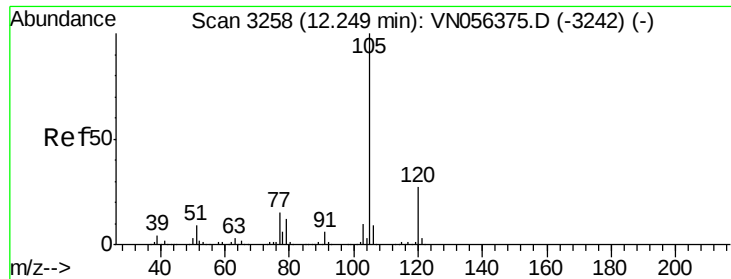
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.4
150	166.8	0.0	348.4





#73

Isopropylbenzene

Concen: 23.357 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion: 105 Resp: 352995

Ion Ratio Lower Upper

105 100

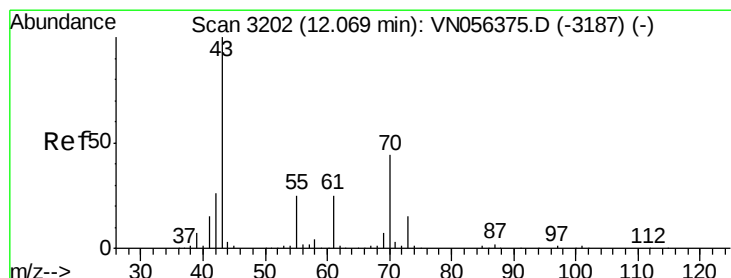
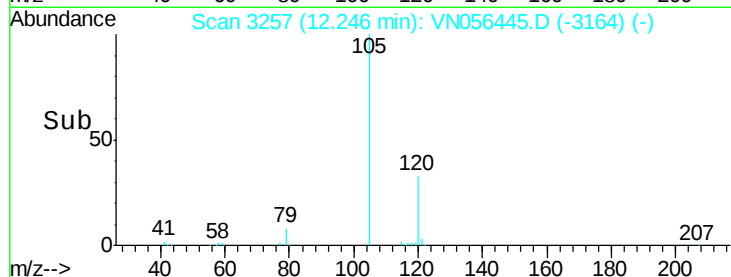
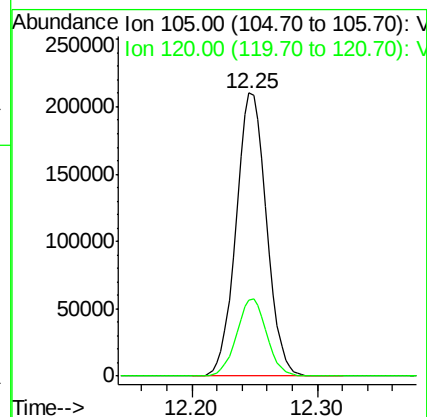
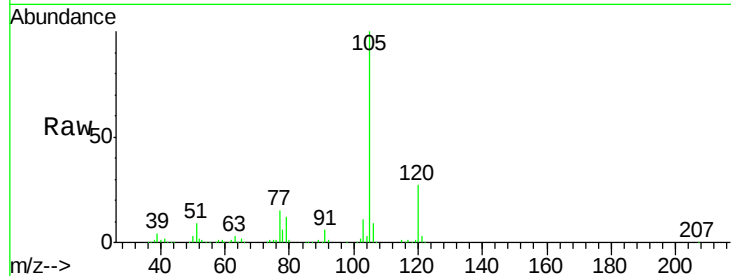
120 27.0 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.322 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Tgt Ion: 43 Resp: 128653

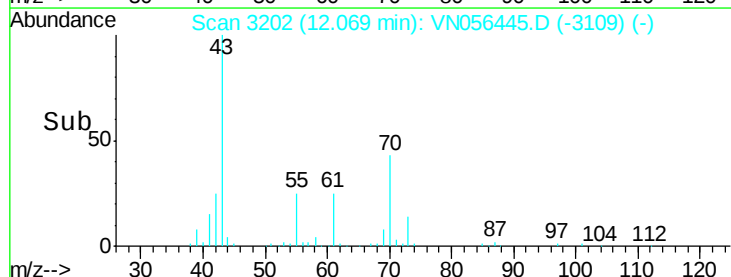
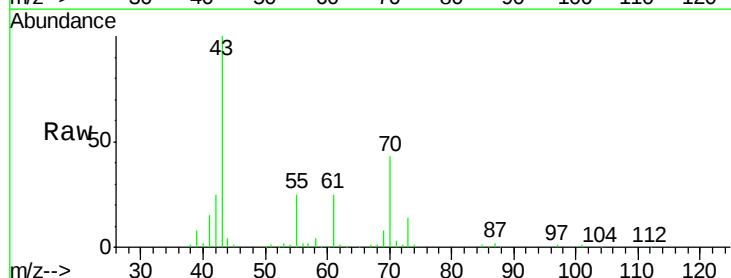
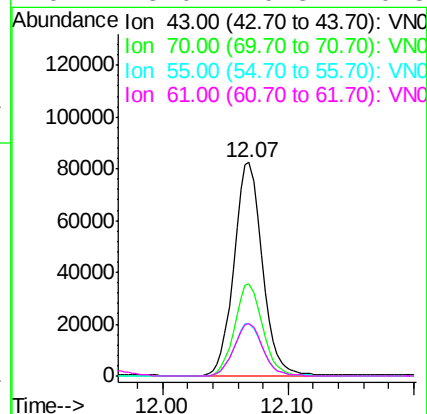
Ion Ratio Lower Upper

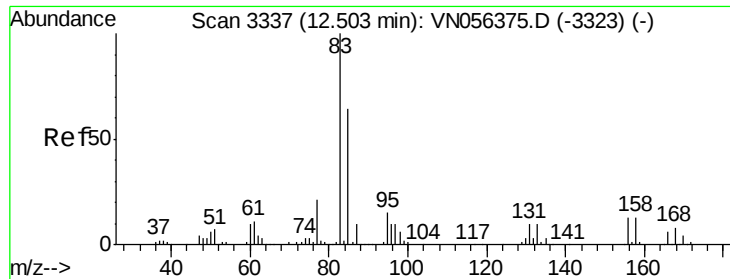
43 100

70 42.9 34.9 52.3

55 25.3 20.4 30.6

61 25.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.798 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

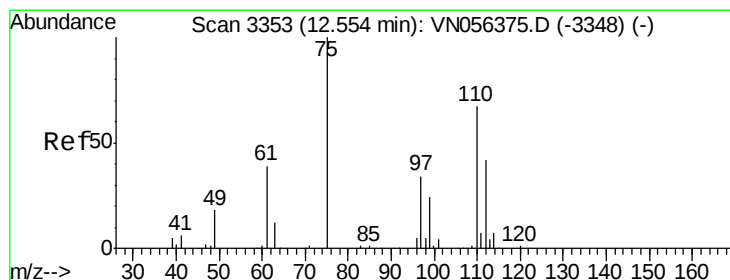
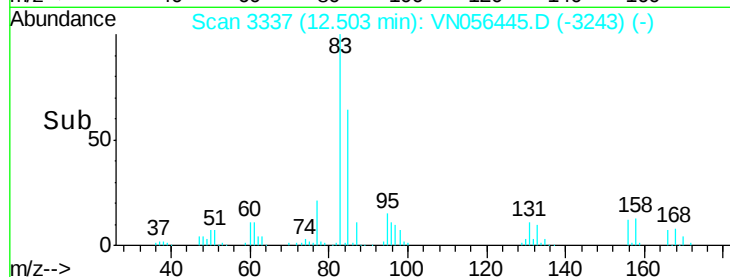
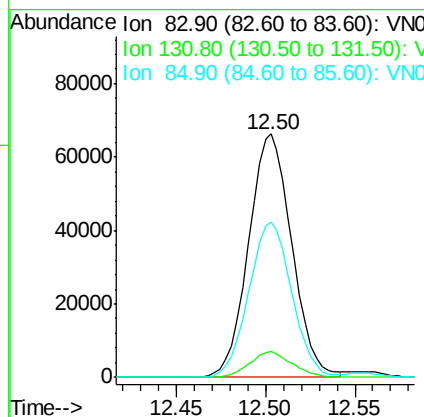
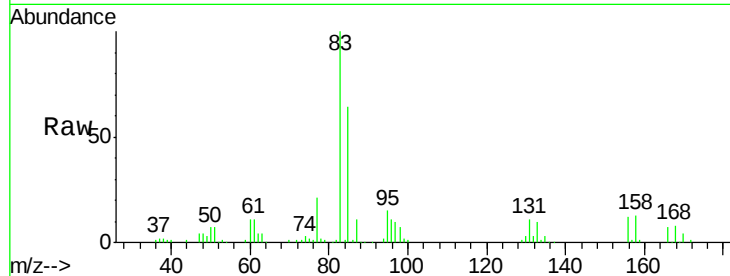
ClientSampleId :

VN0624WBS01

Tot Ion:	83	Resp:	112016
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	63.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 24.675 ug/l m

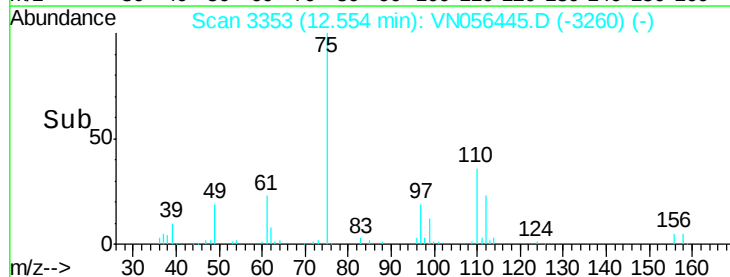
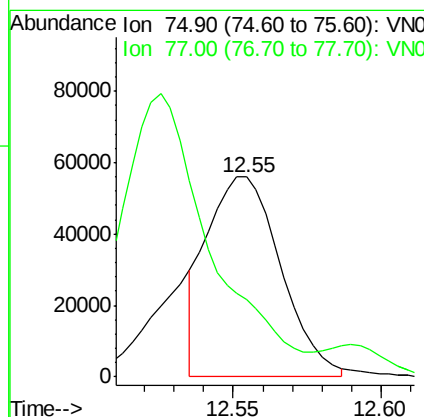
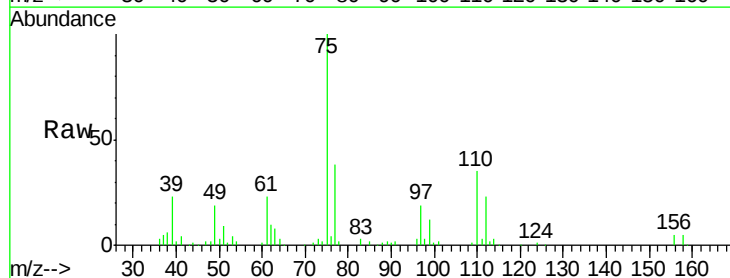
RT: 12.55 min Scan# 3353

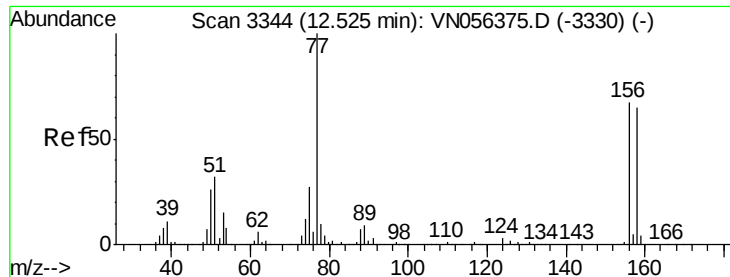
Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Tgt Ion:	75	Resp:	97002
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.452 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

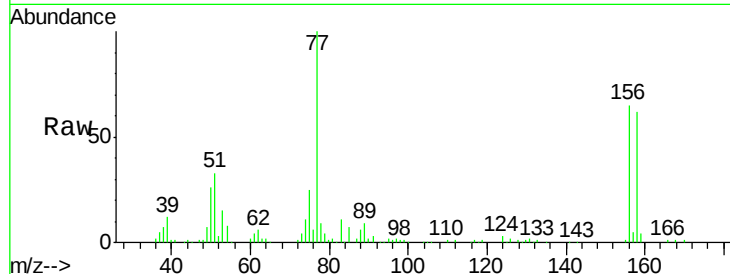
ClientSampleId :

VN0624WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		90938		
77	186.0	92.5	277.3		
158	95.7	48.7	146.1		

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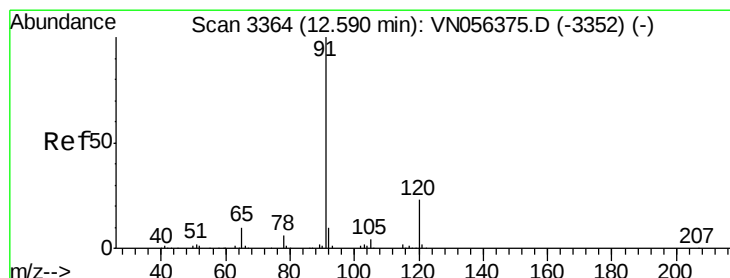
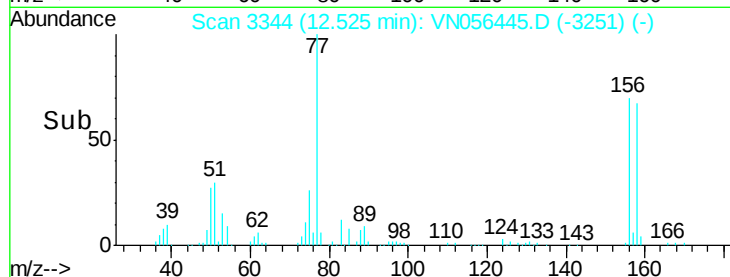
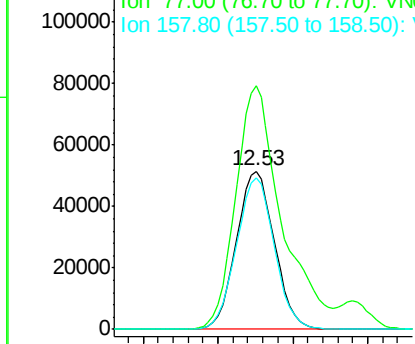
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.191 ug/l

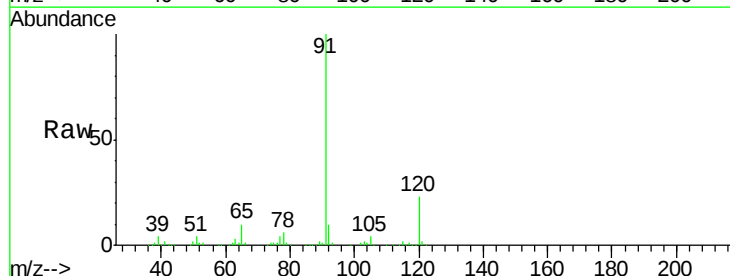
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056445.D

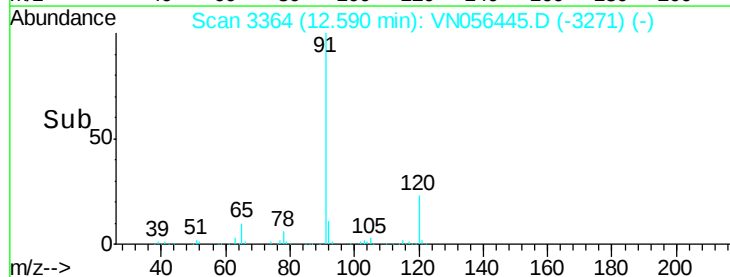
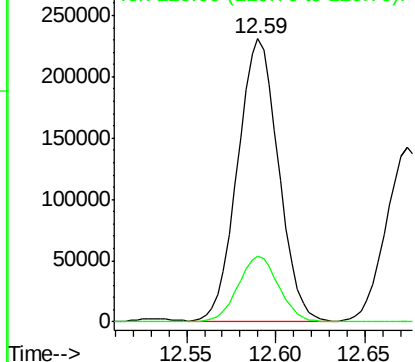
Acq: 24 Jun 2019 11:04

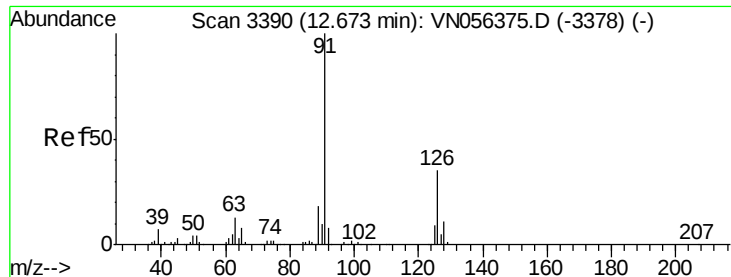
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		367913		
120	23.2	11.8	35.4		



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.175 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion: 91 Resp: 23352

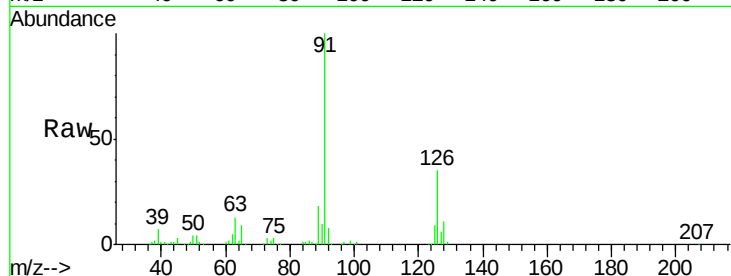
Ion Ratio Lower Upper

91 100

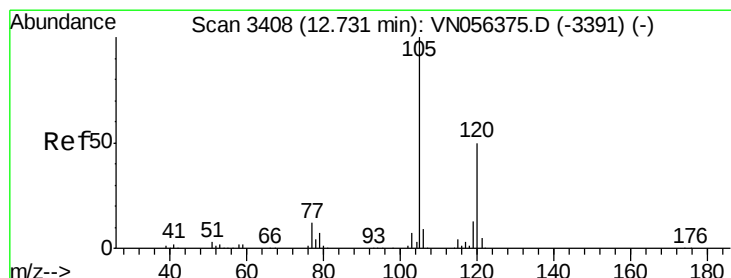
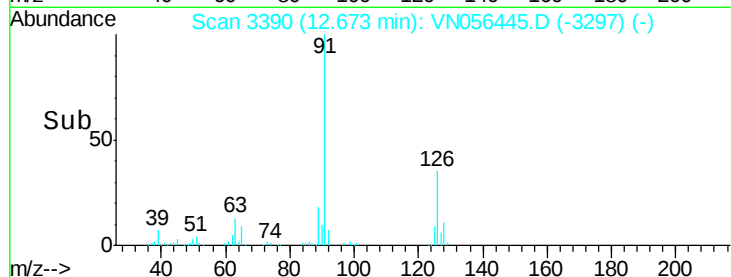
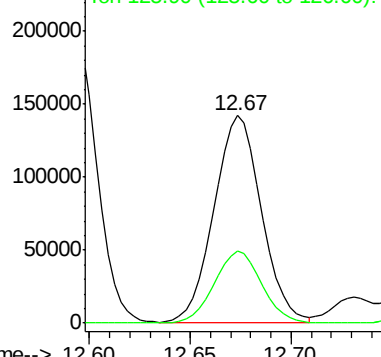
126 34.7 17.6 52.8

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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.670 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056445.D

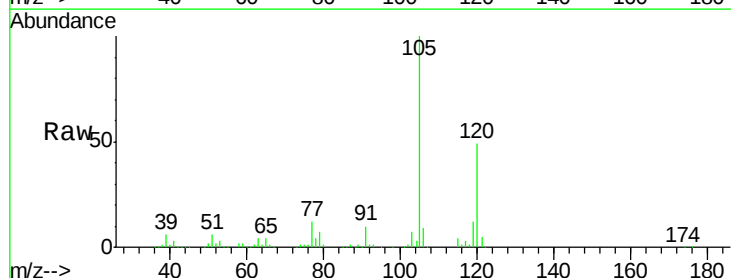
Acq: 24 Jun 2019 11:04

Tgt Ion: 105 Resp: 285224

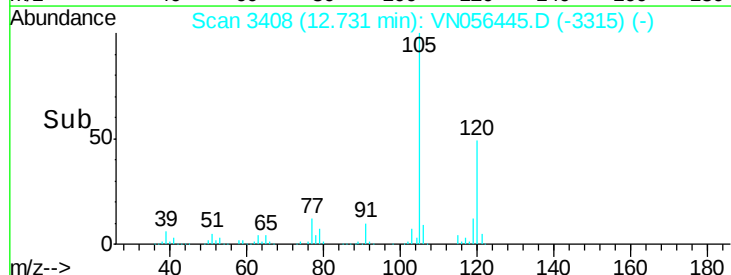
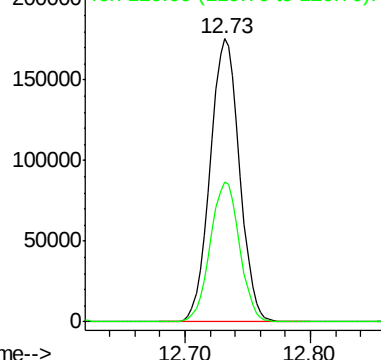
Ion Ratio Lower Upper

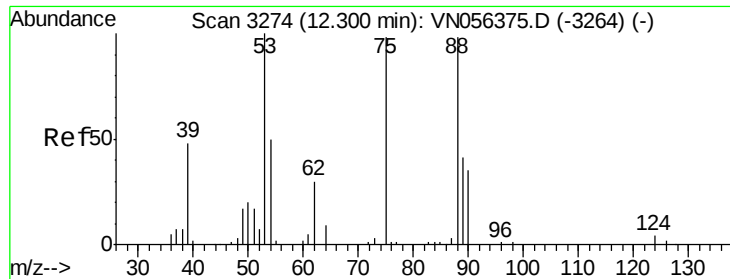
105 100

120 49.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.179 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion: 75 Resp: 24532

Ion Ratio Lower Upper

75 100

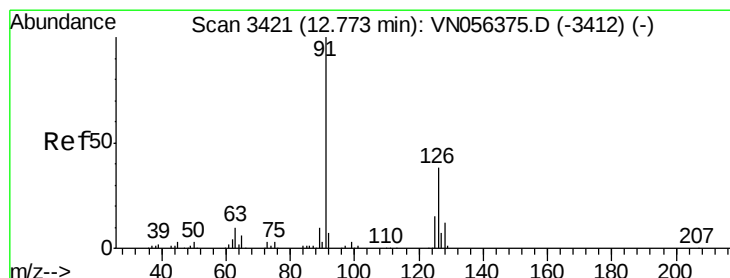
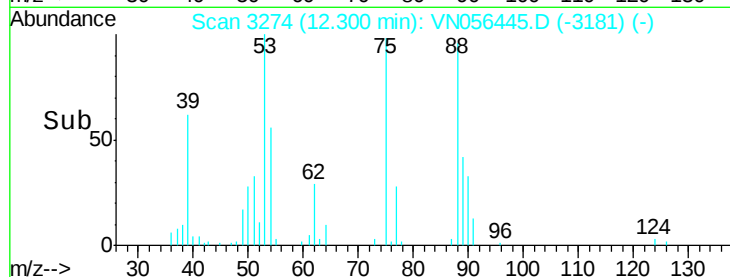
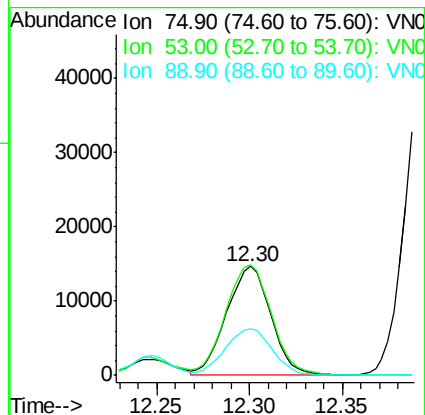
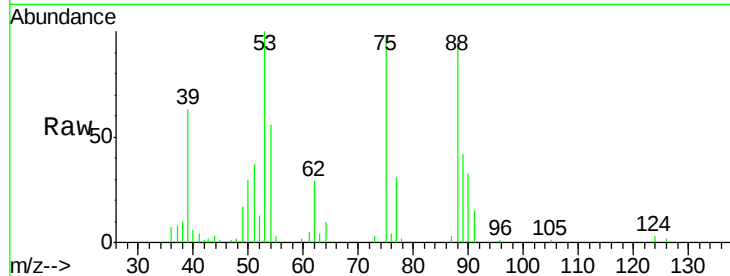
53 104.7 83.9 125.9

89 45.3 35.0 52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.691 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056445.D

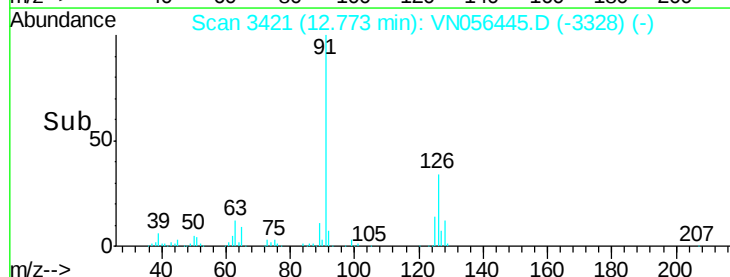
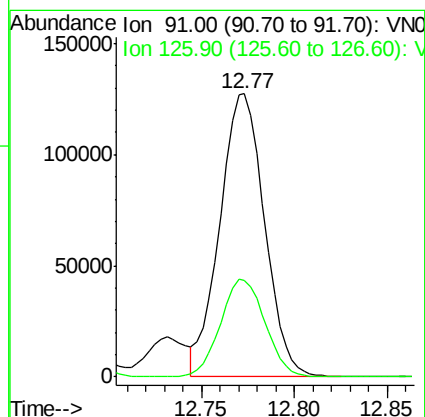
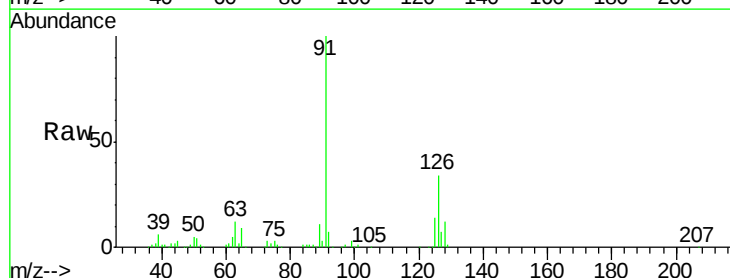
Acq: 24 Jun 2019 11:04

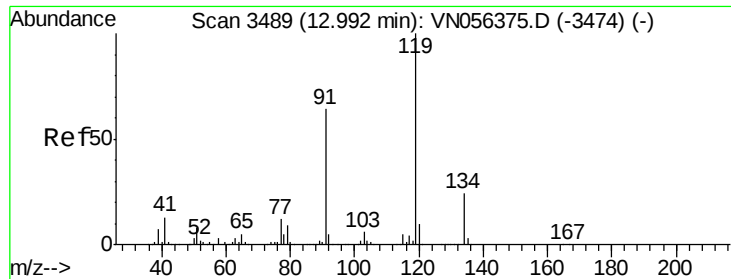
Tgt Ion: 91 Resp: 212106

Ion Ratio Lower Upper

91 100

126 34.4 17.3 52.0





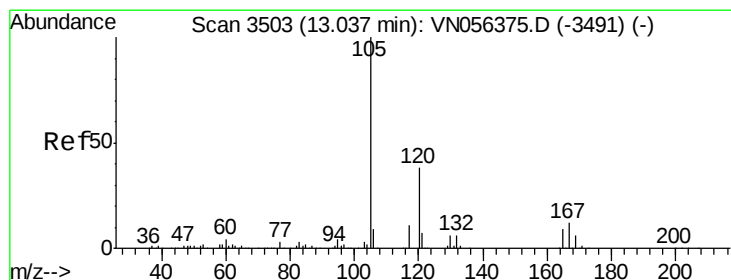
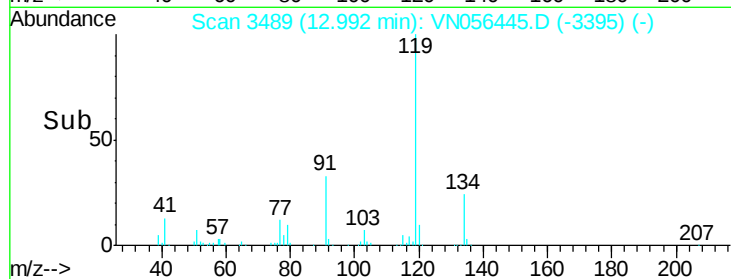
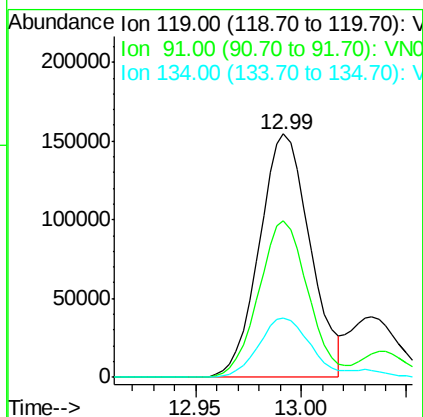
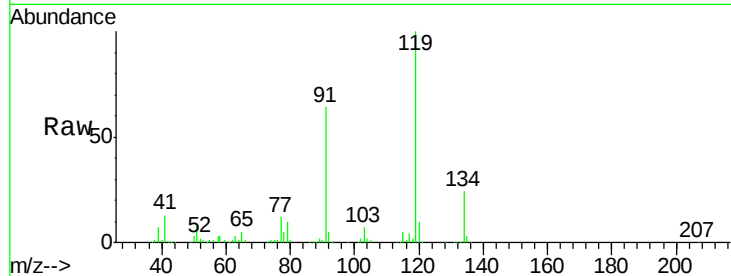
#83
 tert-Butylbenzene
 Concen: 23.456 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	259104		
91	62.4		31.6	94.7
134	24.7		13.2	39.5

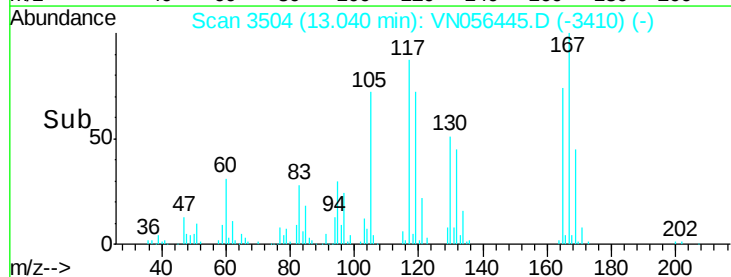
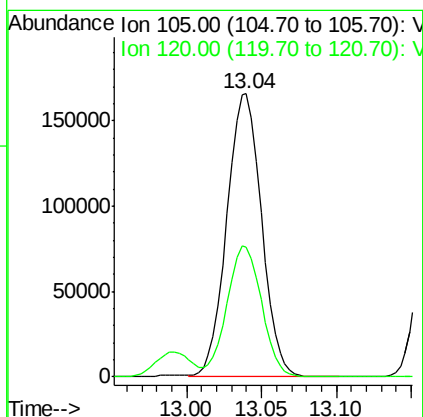
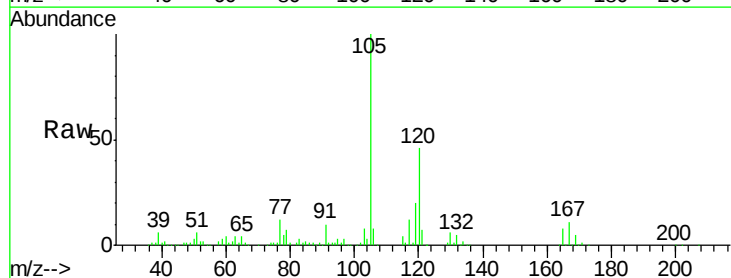
Manual Integrations
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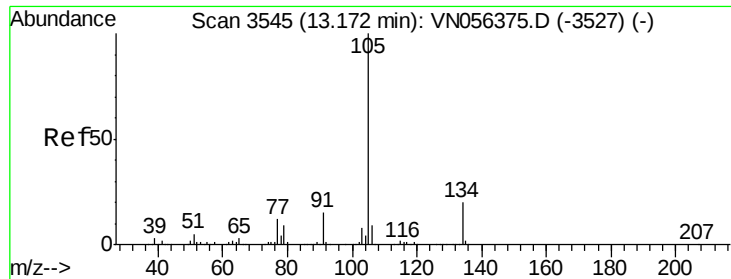
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.076 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	268998		
120	46.0		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.137 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS01

Tot Ion:105 Resp: 322553

Ion Ratio Lower Upper

105 100

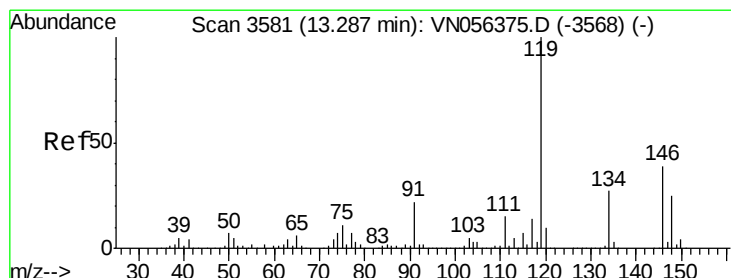
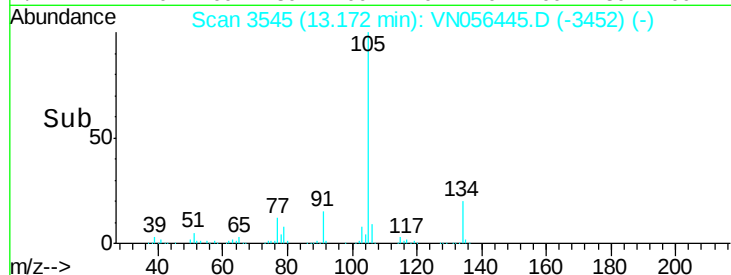
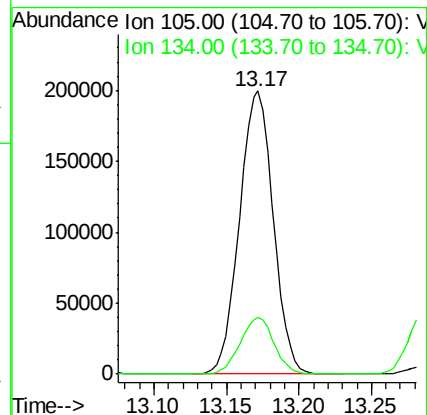
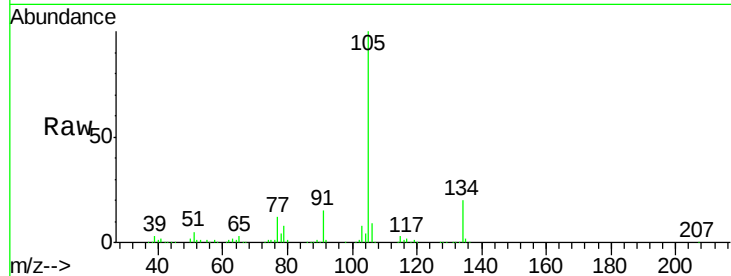
134 20.1 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.226 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

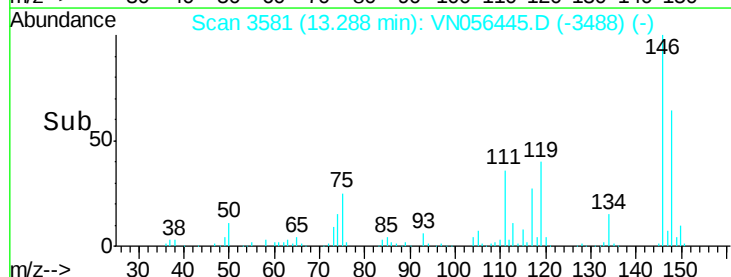
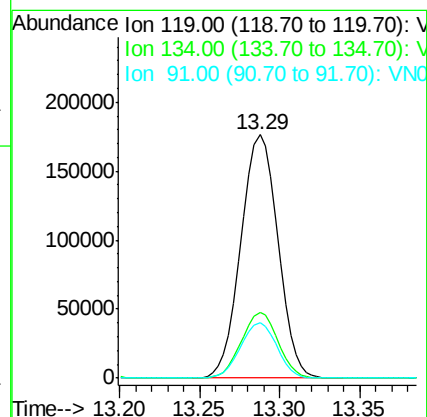
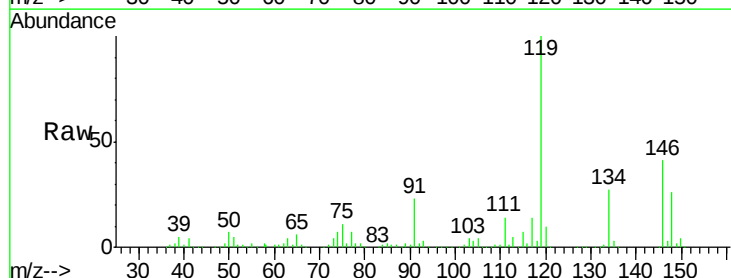
Tgt Ion:119 Resp: 277984

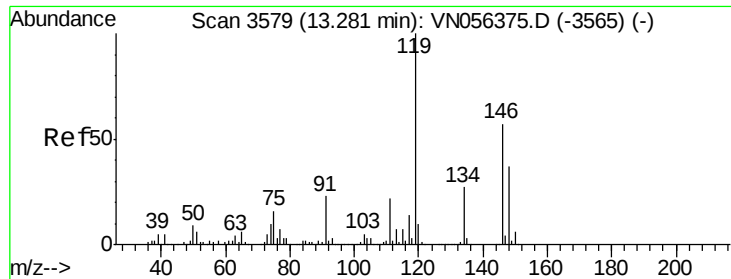
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.5 11.2 33.5





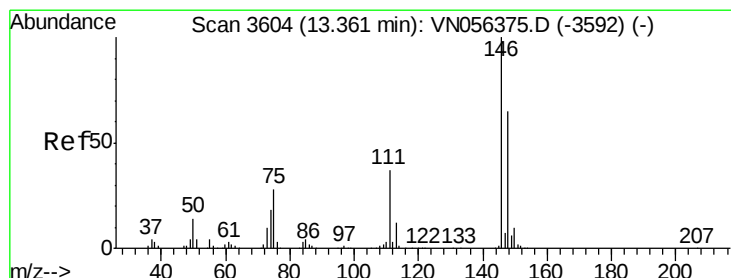
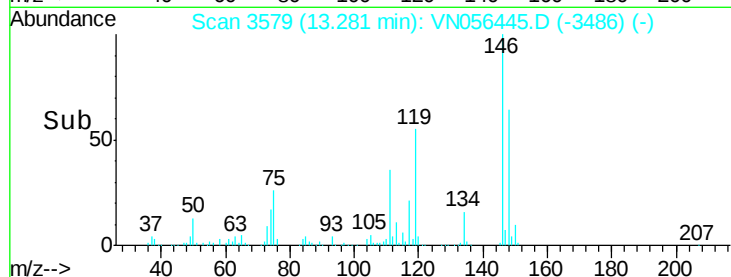
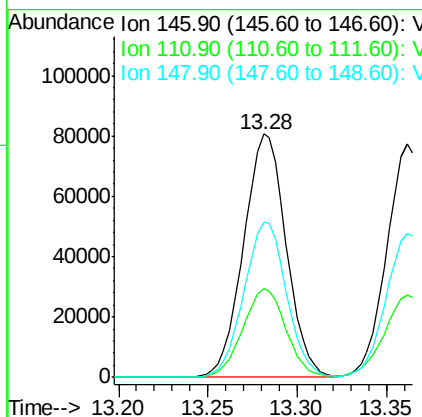
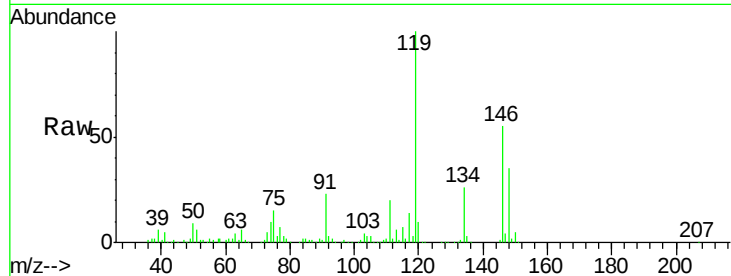
#87
 1,3-Dichlorobenzene
 Concen: 20.905 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	134300		
111	37.0	18.9	56.9	
148	63.9	32.1	96.5	

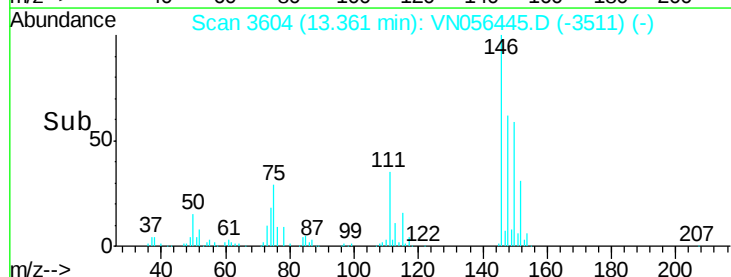
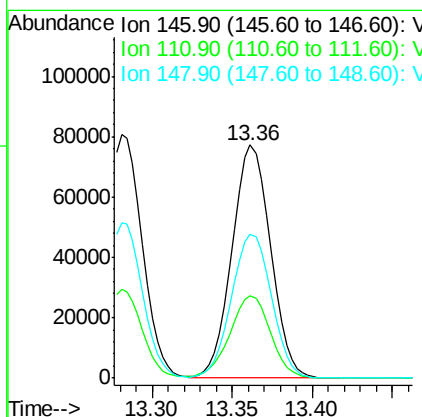
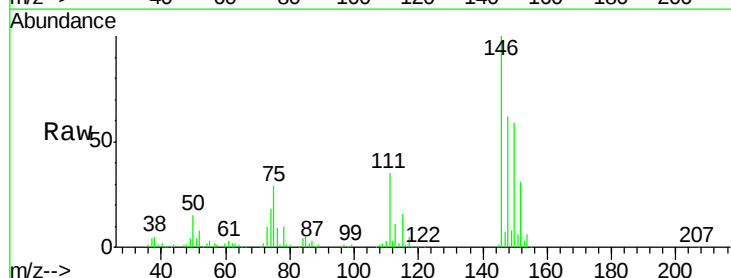
Manual Integrations
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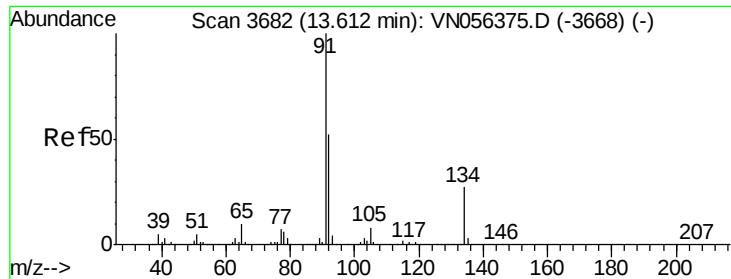
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#88
 1,4-Dichlorobenzene
 Concen: 20.472 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127370		
111	37.2	18.4	55.4	
148	63.6	32.4	97.0	





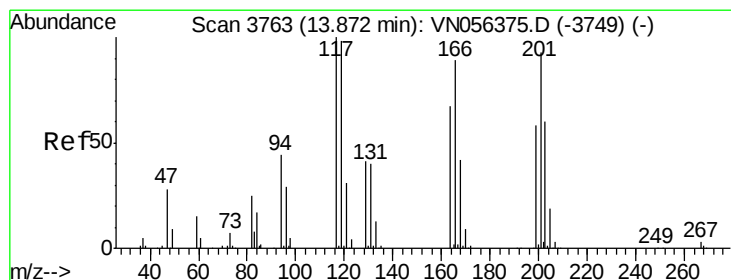
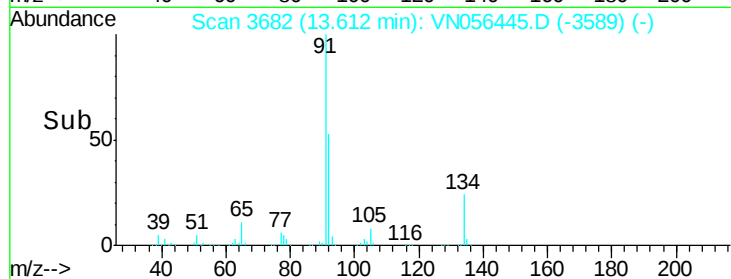
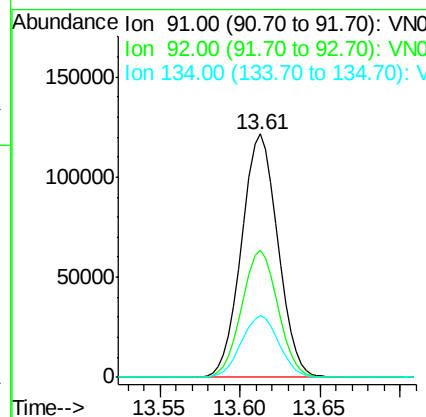
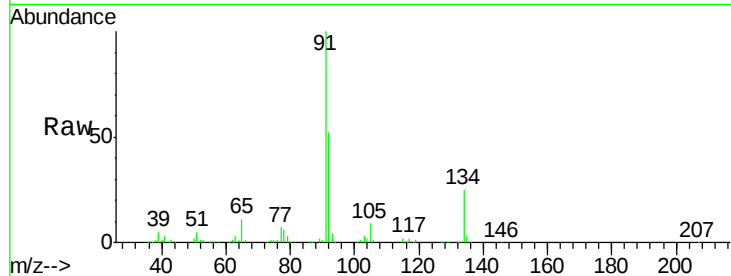
#89
n-Butylbenzene
Concen: 18.980 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	26.0	13.4	40.2

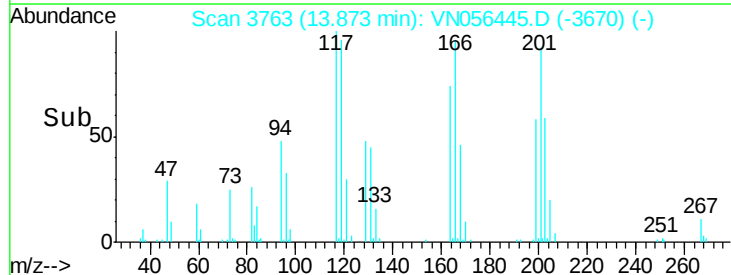
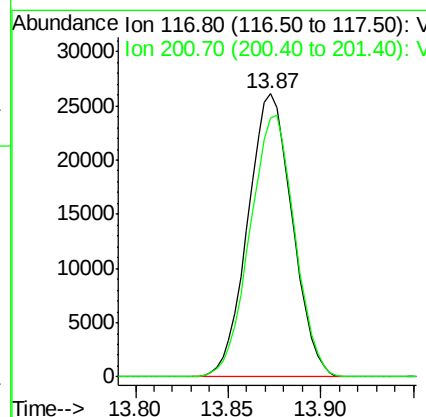
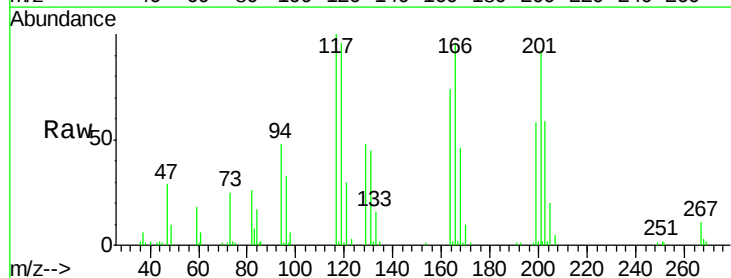
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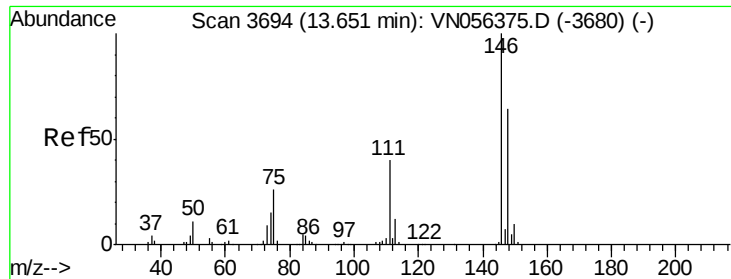
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#90
Hexachloroethane
Concen: 21.343 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056445.D
Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	45.9	137.6





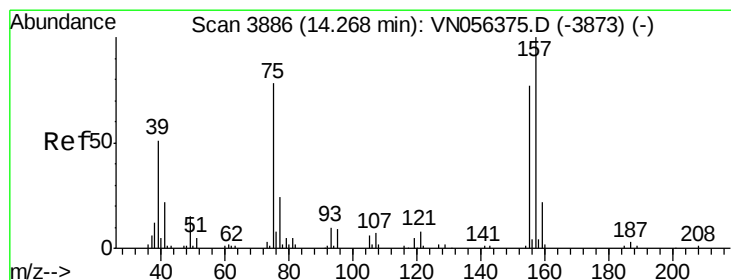
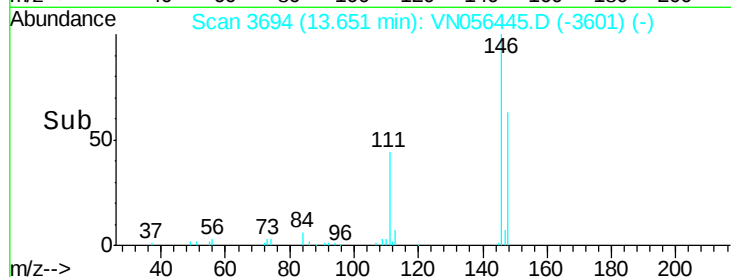
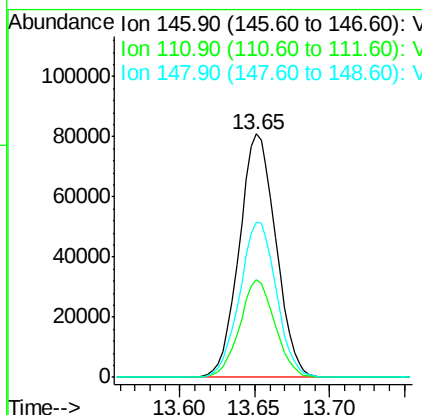
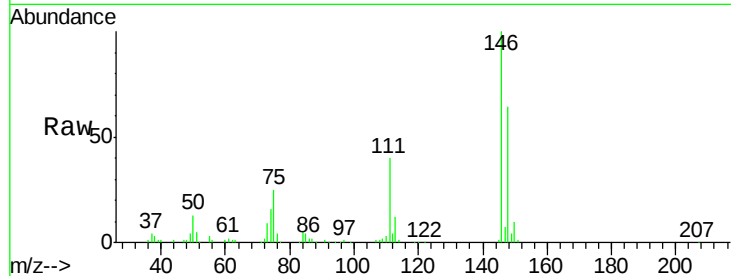
#91
 1,2-Dichlorobenzene
 Concen: 21.639 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.7	32.0	96.0

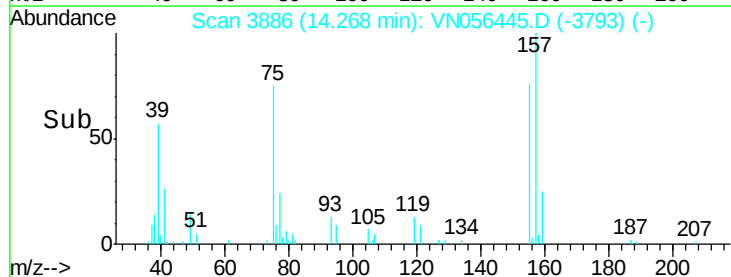
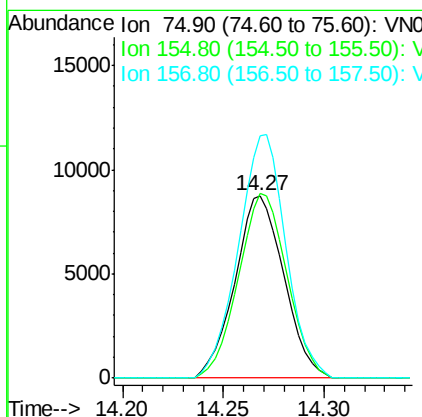
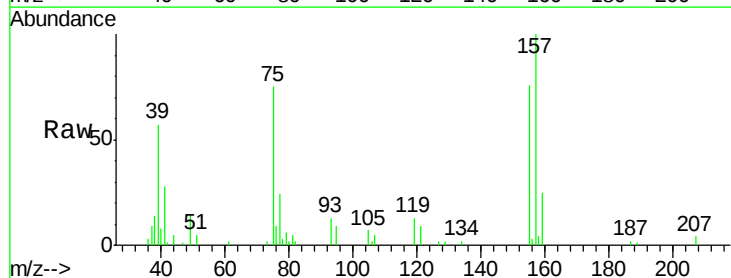
Manual Integrations
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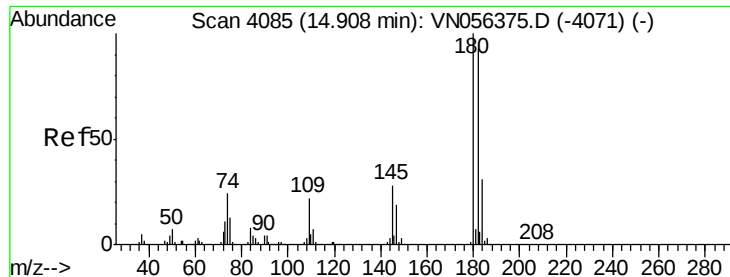
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.170 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	48.9	146.8
157	129.7	62.9	188.8





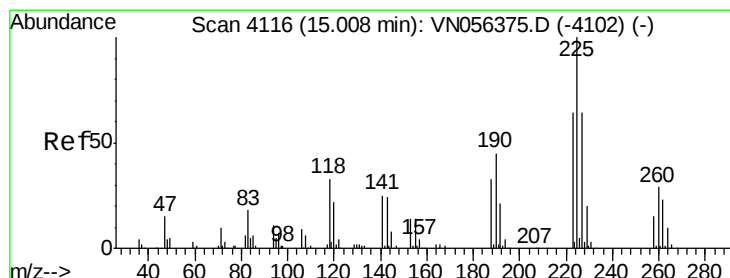
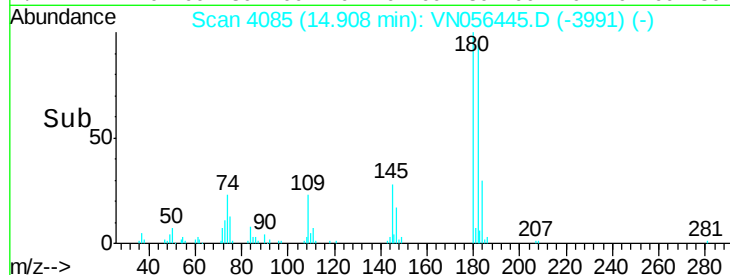
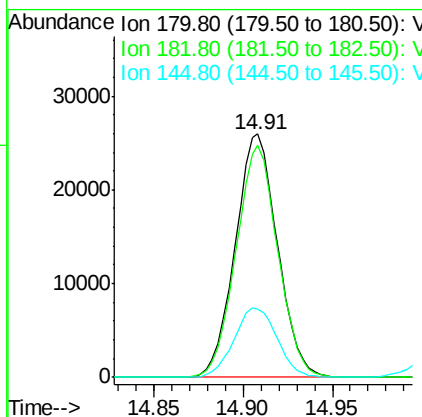
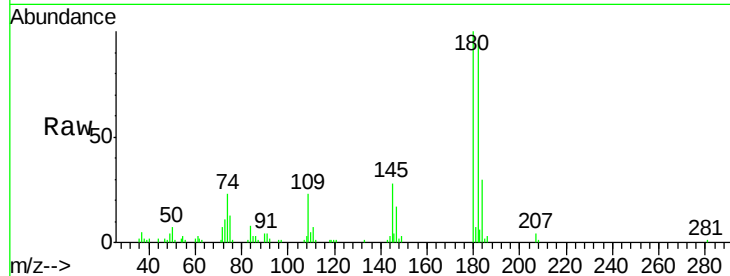
#93
 1,2,4-Trichlorobenzene
 Concen: 17.054 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.9	140.6
145	29.2	14.4	43.0

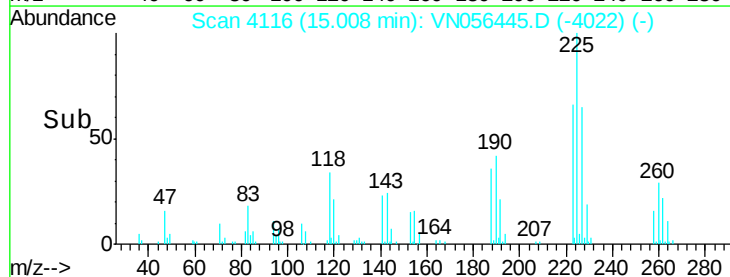
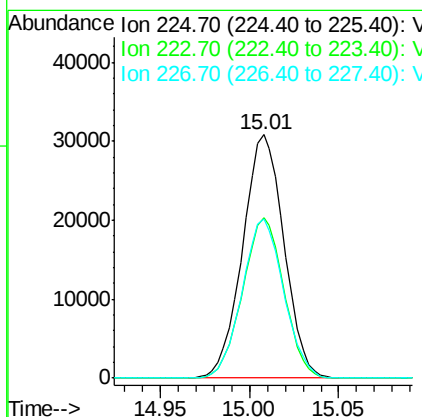
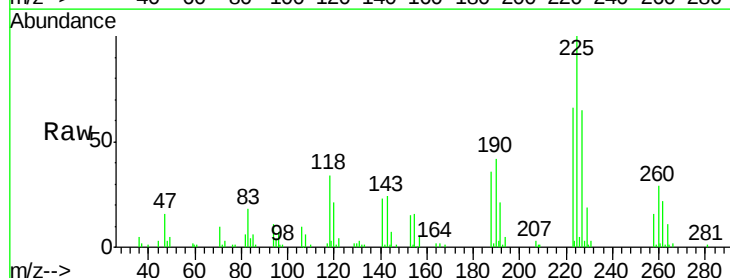
Manual Integrations
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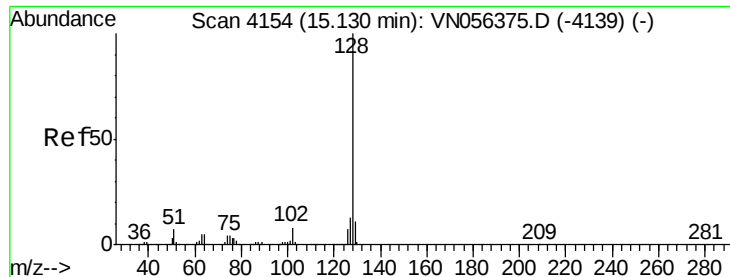
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#94
 Hexachlorobutadiene
 Concen: 22.043 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056445.D
 Acq: 24 Jun 2019 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.4	94.3
227	65.5	32.1	96.3





#95

Naphthalene

Concen: 17.714 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Instrument :

MSVOA_N

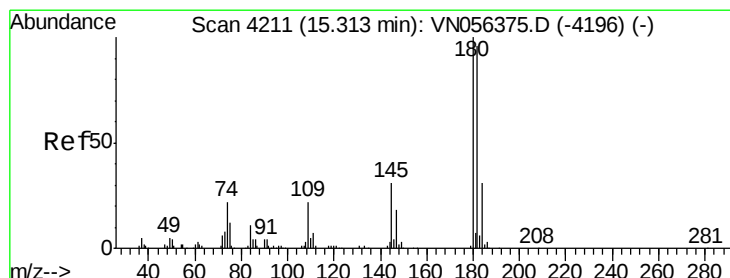
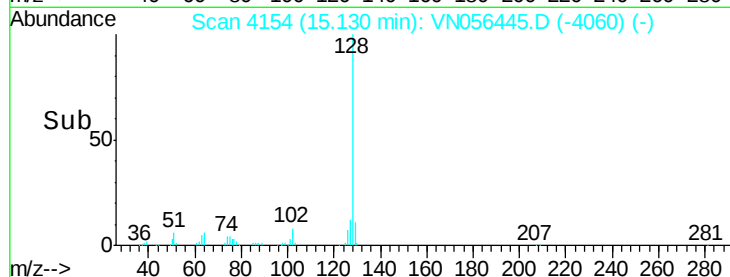
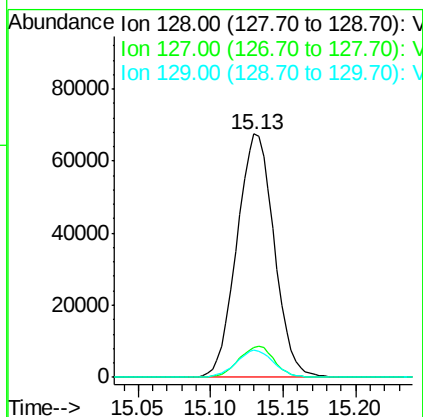
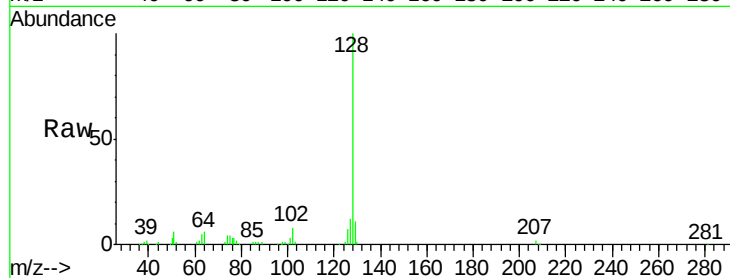
ClientSampleId :

VN0624WBS01

Tot Ion:	128	Resp:	120844
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.152 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056445.D

Acq: 24 Jun 2019 11:04

Tgt Ion:	180	Resp:	51648
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.3	144.8
145	30.5	15.4	46.1

