

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056382.D
 Acq On : 19 Jun 2019 13:22
 Operator : JC/SP
 Sample : VN0619WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Manual Integrations
 APPROVED

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 6/21/2019 10:52:16 PM

Quant Time: Jun 21 04:05:15 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	7.67	168	362547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	570258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	206343	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	176989	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	677850	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	217102	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	64958	21.160	ug/l 98
3) Chloromethane	2.06	50	82792	19.807	ug/l 99
4) Vinyl Chloride	2.18	62	82636	20.469	ug/l 99
5) Bromomethane	2.54	94	54753m	23.134	ug/l
6) Chloroethane	2.69	64	48242	20.634	ug/l 100
7) Trichlorofluoromethane	3.00	101	105771	20.254	ug/l 96
8) Diethyl Ether	3.41	74	44323	20.054	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66799	20.058	ug/l 99
10) Methyl Iodide	3.95	142	82778	18.390	ug/l 100
11) Tert butyl alcohol	4.80	59	75643	111.773	ug/l 98
12) 1,1-Dichloroethene	3.73	96	63679	19.883	ug/l 99
13) Acrolein	3.61	56	55072	96.553	ug/l 99
14) Allyl chloride	4.32	41	104986	19.692	ug/l 97
15) Acrylonitrile	4.99	53	188509	100.686	ug/l 99
16) Acetone	3.82	43	184101	91.449	ug/l 100
17) Carbon Disulfide	4.05	76	139456	19.144	ug/l 100
18) Methyl Acetate	4.33	43	82927	20.520	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	214324	20.224	ug/l 99
20) Methylene Chloride	4.55	84	78388	20.123	ug/l 96
21) trans-1,2-Dichloroethene	5.04	96	69785	20.210	ug/l 98
22) Diisopropyl ether	5.95	45	226042	20.189	ug/l 100
23) Vinyl Acetate	5.90	43	922020	104.407	ug/l 99
24) 1,1-Dichloroethane	5.85	63	129221	20.106	ug/l 100
25) 2-Butanone	6.84	43	261646	98.200	ug/l 99
26) 2,2-Dichloropropane	6.83	77	85037	19.024	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	82743	20.482	ug/l 99
28) Bromochloromethane	7.20	49	66813	21.017	ug/l 100
29) Tetrahydrofuran	7.21	42	169670	104.205	ug/l 99
30) Chloroform	7.37	83	128203	20.215	ug/l 99
31) Cyclohexane	7.65	56	123225	19.860	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	101767	20.244	ug/l 99
36) 1,1-Dichloropropene	7.79	75	95416	19.010	ug/l 99
37) Ethyl Acetate	6.93	43	100278	20.329	ug/l 98
38) Carbon Tetrachloride	7.77	117	83194	18.954	ug/l 98

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 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)
39) Methylcyclohexane	9.08	83	117809	19.022	ug/l	97
40) Benzene	8.04	78	307470	19.915	ug/l	98
41) Methacrylonitrile	7.18	41	43025	19.753	ug/l	96
42) 1,2-Dichloroethane	8.12	62	99049	19.439	ug/l	100
43) Isopropyl Acetate	8.17	43	146832	19.305	ug/l	98
44) Trichloroethene	8.83	130	81182	19.520	ug/l	98
45) 1,2-Dichloropropane	9.12	63	81543	19.749	ug/l	99
46) Dibromomethane	9.21	93	51679	20.005	ug/l	99
47) Bromodichloromethane	9.40	83	89700	19.578	ug/l	99
48) Methyl methacrylate	9.20	41	72219	18.947	ug/l	97
49) 1,4-Dioxane	9.20	88	29524	373.259	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	486772	99.155	ug/l	100
52) Toluene	10.16	92	189294	20.054	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	89258	18.651	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	108428	19.652	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	74301	19.583	ug/l	97
56) Ethyl methacrylate	10.43	69	111215	20.057	ug/l	99
57) 1,3-Dichloropropane	10.71	76	126049	19.775	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	178512	89.613	ug/l	100
59) 2-Hexanone	10.75	43	343371	95.166	ug/l	100
60) Dibromochloromethane	10.90	129	66781	18.690	ug/l	98
61) 1,2-Dibromoethane	11.00	107	77179	19.916	ug/l	99
64) Tetrachloroethene	10.63	164	77721	19.851	ug/l	98
65) Chlorobenzene	11.43	112	195854	19.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	67201	20.015	ug/l	98
67) Ethyl Benzene	11.51	91	343797	19.710	ug/l	99
68) m/p-Xylenes	11.62	106	254422	39.801	ug/l	98
69) o-Xylene	11.95	106	124808	19.735	ug/l	99
70) Styrene	11.96	104	201941	19.977	ug/l	99
71) Bromoform	12.13	173	43479	18.186	ug/l #	99
73) Isopropylbenzene	12.25	105	334135	22.977	ug/l	99
74) N-amyl acetate	12.07	43	116736	20.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103984	22.891	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	84220m	22.305	ug/l	
77) Bromobenzene	12.53	156	83298	20.458	ug/l	98
78) n-propylbenzene	12.59	91	342802	20.557	ug/l	100
79) 2-Chlorotoluene	12.67	91	216418	22.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	267887	22.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20004	18.830	ug/l	91
82) 4-Chlorotoluene	12.77	91	196440	19.951	ug/l	100
83) tert-Butylbenzene	12.99	119	239918	22.508	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255316	20.827	ug/l	100
85) sec-Butylbenzene	13.17	105	303461	20.704	ug/l	100
86) p-Isopropyltoluene	13.29	119	258630	20.561	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122981	19.930	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116811	19.547	ug/l	98
89) n-Butylbenzene	13.61	91	175310	18.410	ug/l	99
90) Hexachloroethane	13.87	117	39042	19.908	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	125301	20.467	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13739	20.391	ug/l	99

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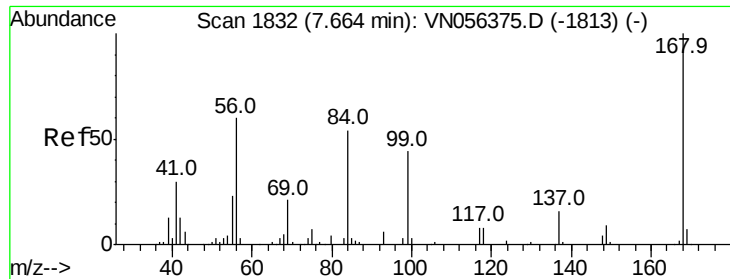
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41008	17.033	ug/l	98
94) Hexachlorobutadiene	15.01	225	45934	21.053	ug/l	100
95) Naphthalene	15.13	128	118297	17.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51135	18.573	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:168 Resp: 362547

Ion Ratio Lower Upper

168 100

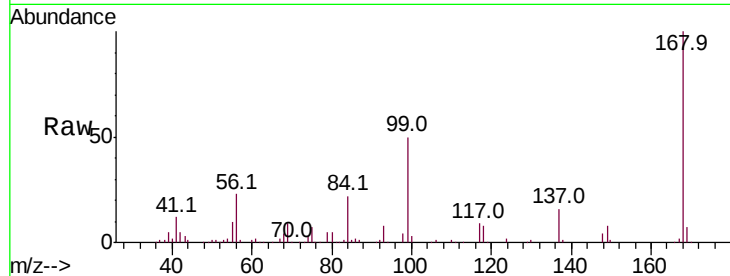
99 48.9 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

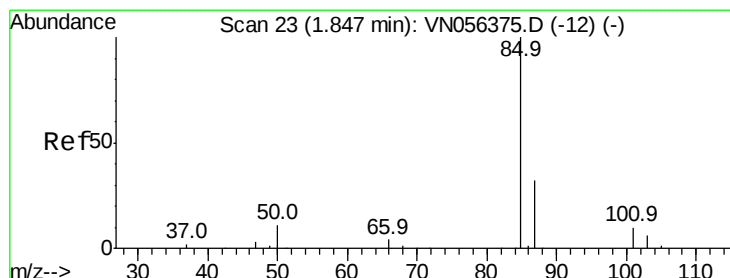
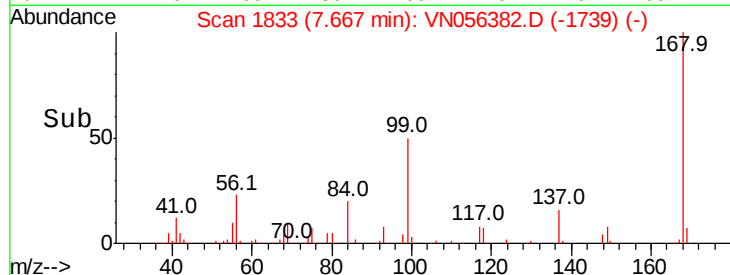
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.160 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056382.D

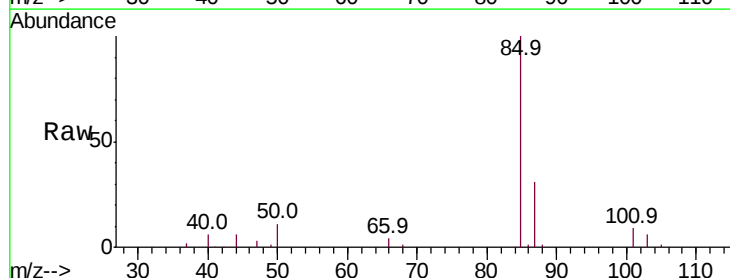
Acq: 19 Jun 2019 13:22

Tgt Ion: 85 Resp: 64958

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056375.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056375.D (-12) (-)

1.85

40000

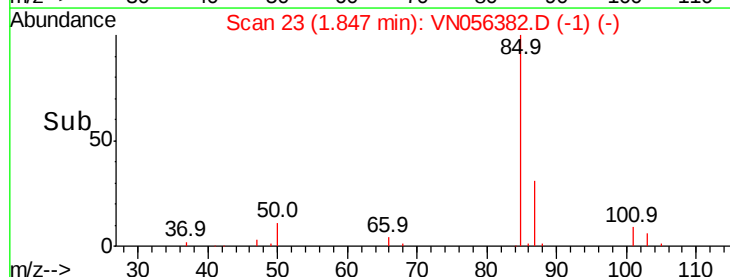
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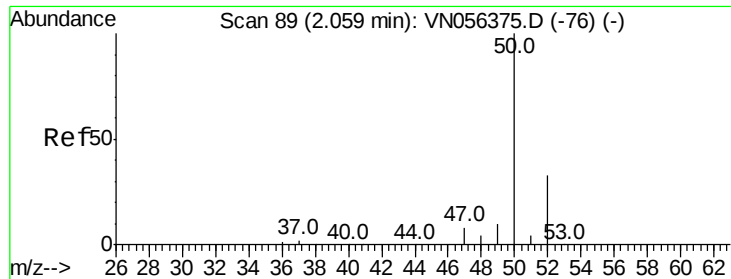
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Time-->





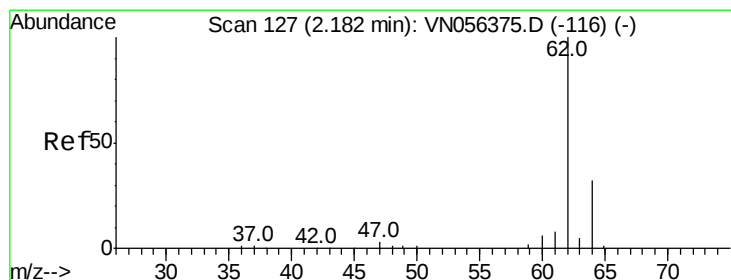
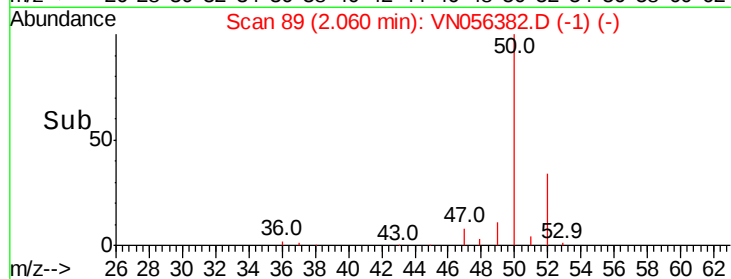
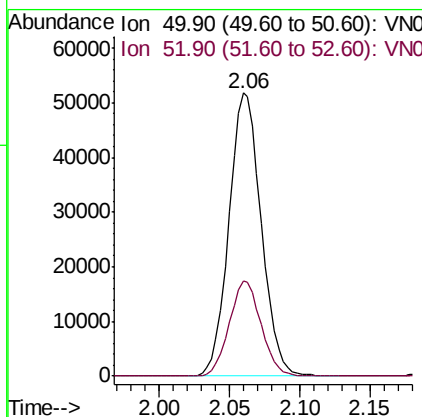
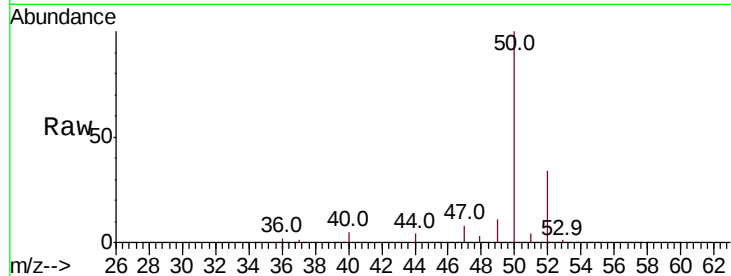
#3
Chloromethane
Concen: 19.807 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 50 Resp: 82792
Ion Ratio Lower Upper
50 100
52 33.7 26.5 39.7

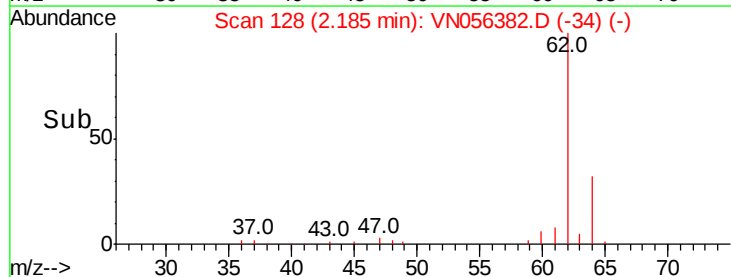
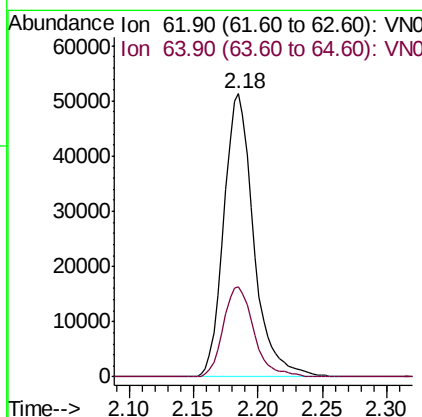
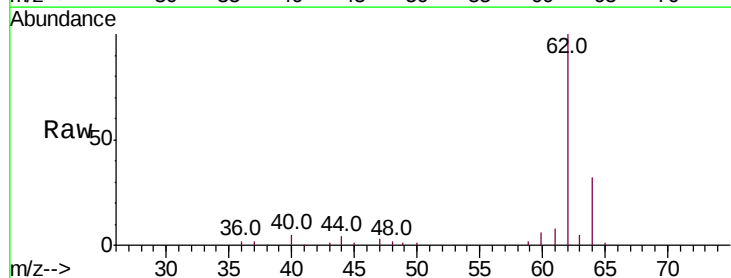
Manual Integrations
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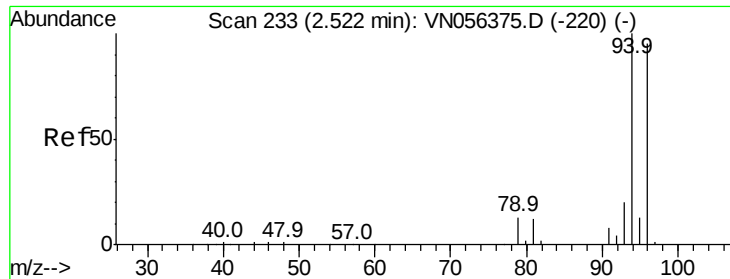
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#4
Vinyl Chloride
Concen: 20.469 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 62 Resp: 82636
Ion Ratio Lower Upper
62 100
64 31.8 25.7 38.5





#5

Bromomethane

Concen: 23.134 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 94 Resp: 54753

Ion Ratio Lower Upper

94 100

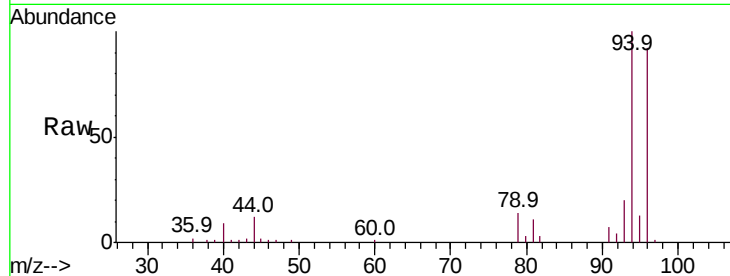
96 91.8 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

25000

20000

15000

10000

5000

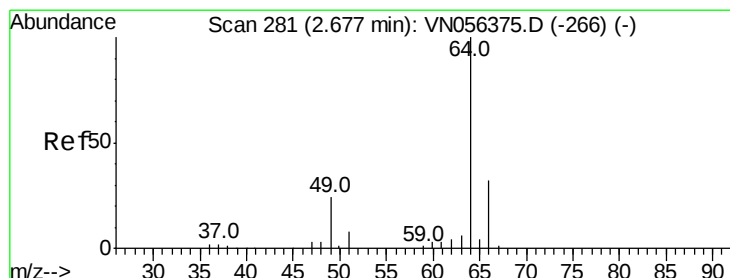
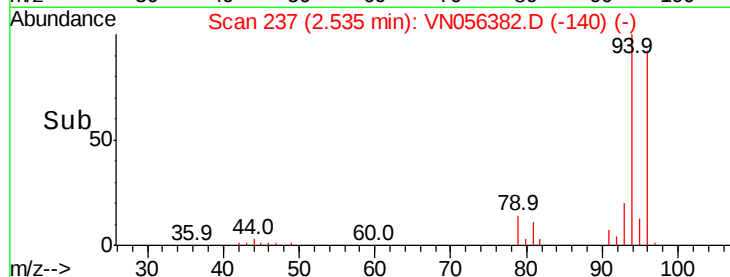
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 20.634 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN056382.D

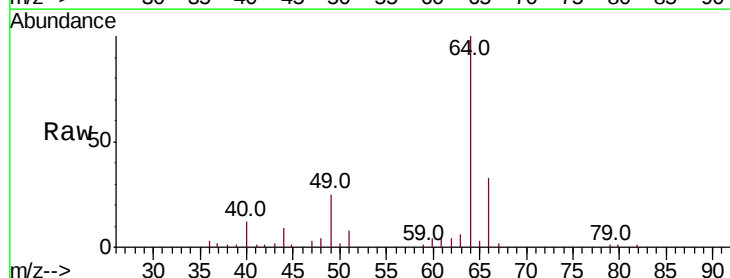
Acq: 19 Jun 2019 13:22

Tgt Ion: 64 Resp: 48242

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

25000

20000

15000

10000

5000

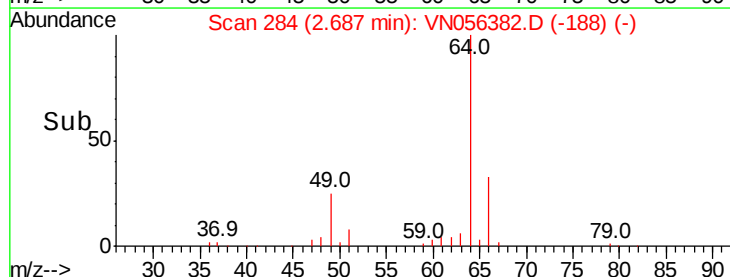
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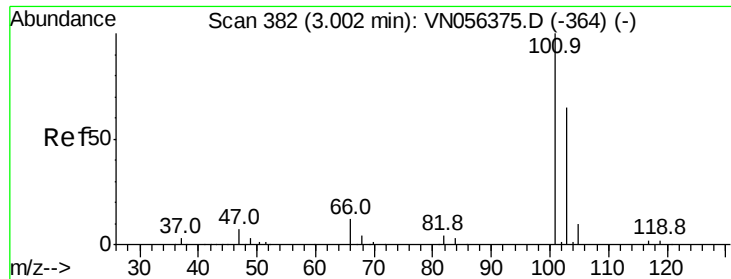
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2.60

2.70

2.80





#7

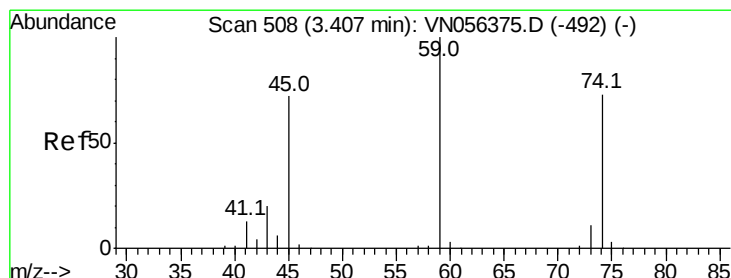
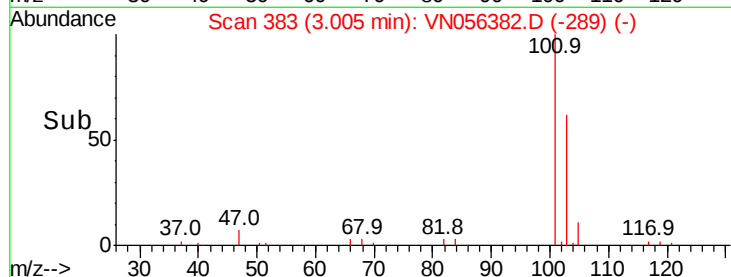
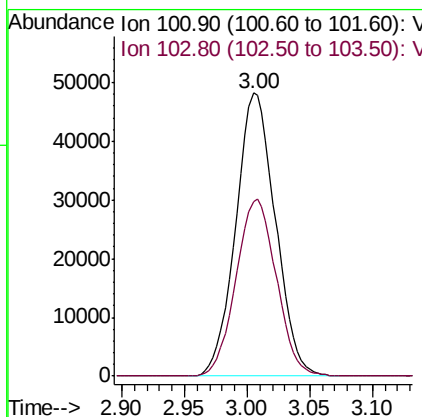
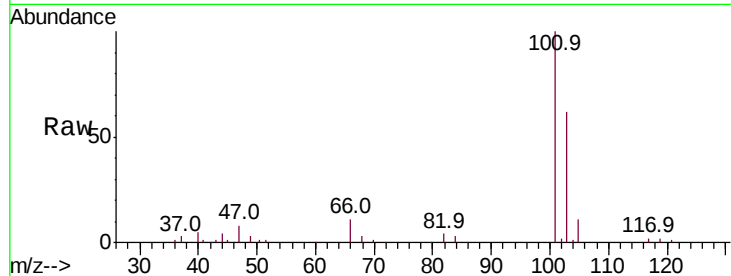
Trichlorofluoromethane
Concen: 20.254 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
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ClientSampleId :
VN0619WBS01

Tot Ion:101 Resp: 105771
Ion Ratio Lower Upper
101 100
103 61.8 51.7 77.5

Manual Integrations
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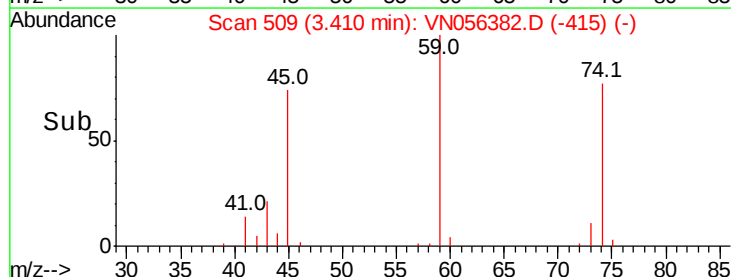
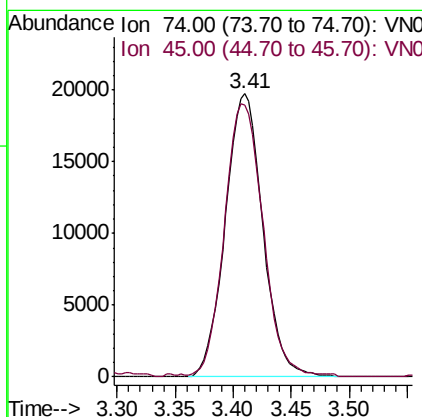
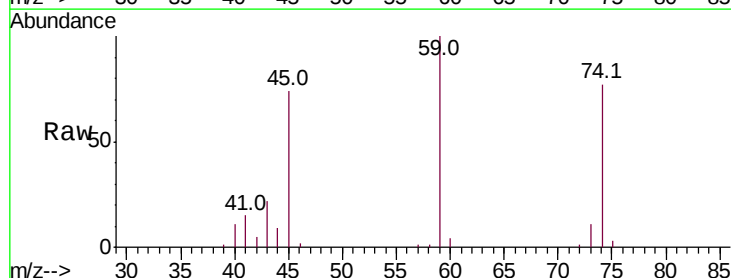
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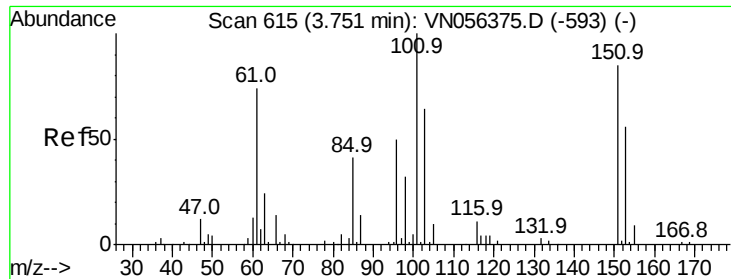


#8

Diethyl Ether
Concen: 20.054 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 74 Resp: 44323
Ion Ratio Lower Upper
74 100
45 99.8 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.058 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

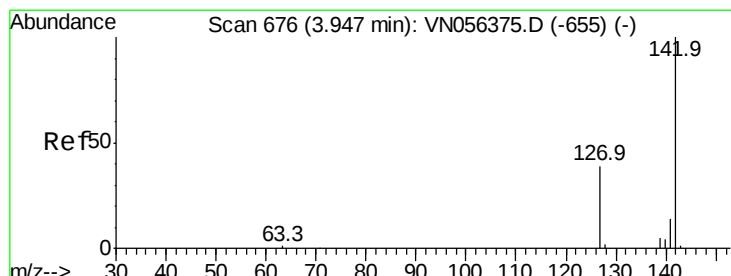
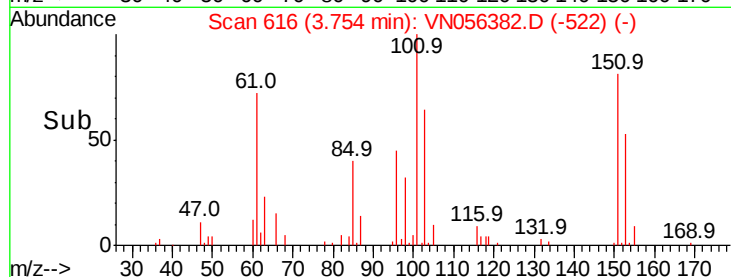
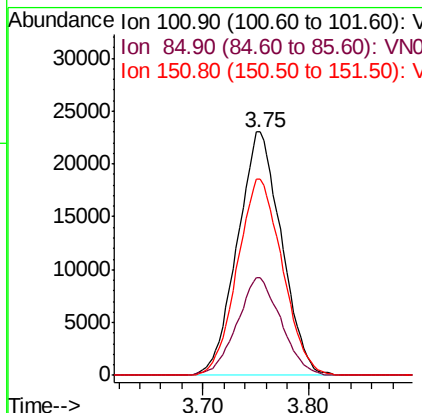
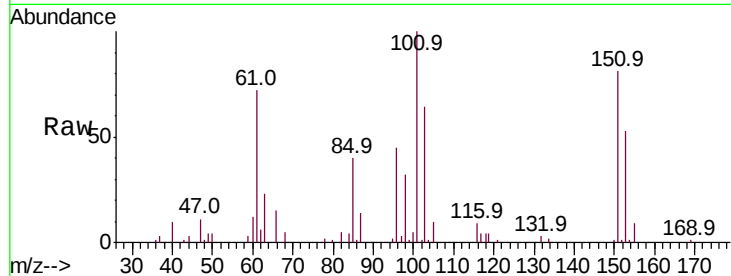
ClientSampleId :

VN0619WBS01

Tot Ion:	101	Resp:	66799
Ion Ratio	Lower	Upper	
101	100		
85	40.1	32.7	49.1
151	82.5	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.390 ug/l

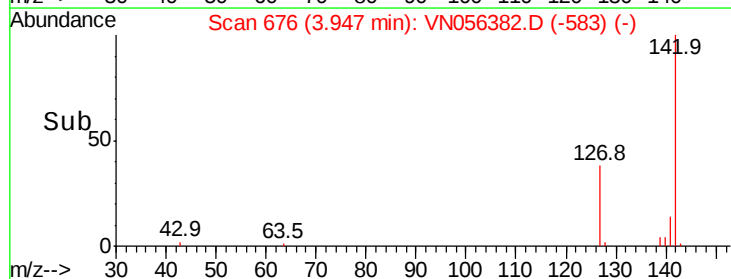
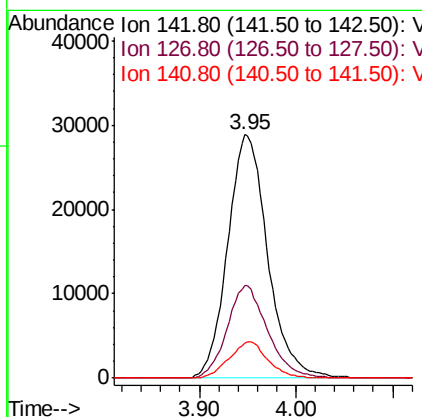
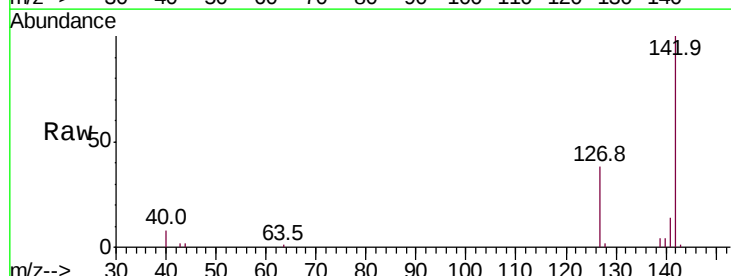
RT: 3.95 min Scan# 676

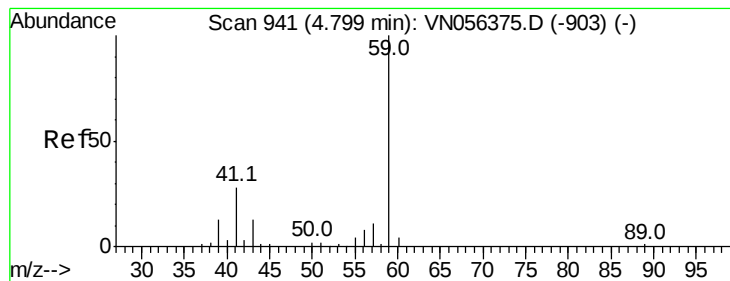
Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion:	142	Resp:	82778
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.6	46.0
141	14.2	11.4	17.2





#11

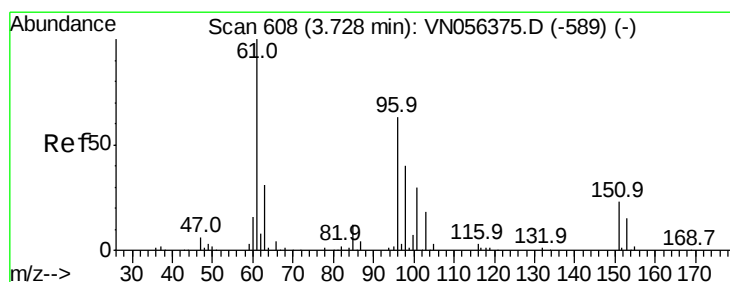
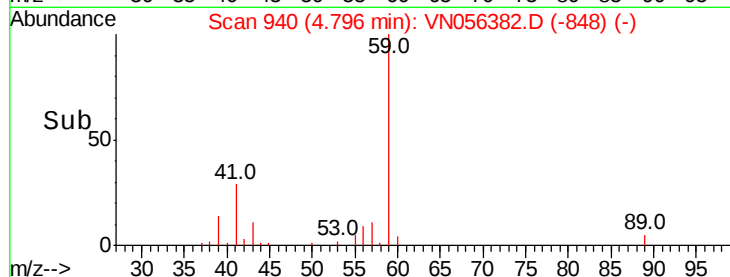
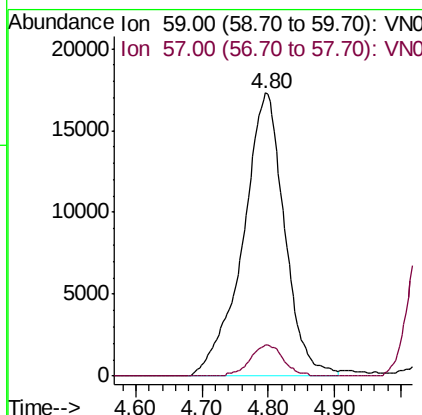
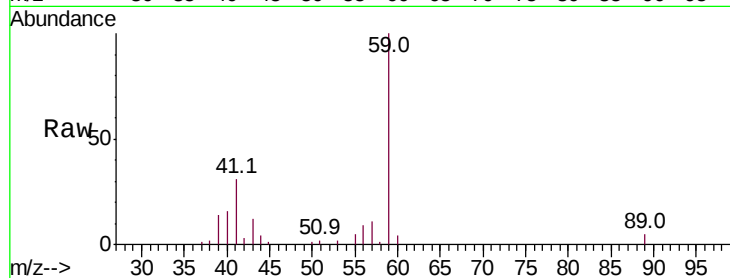
Tert butyl alcohol
Concen: 111.773 ug/l
RT: 4.80 min Scan# 940
Delta R.T. -0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	59	57	Ratio	100	8.8	Resp	Lower	Upper
59	100					75643		
57		8.8					7.6	11.4

Manual Integrations
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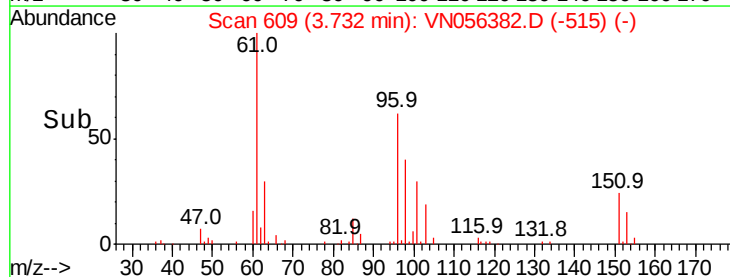
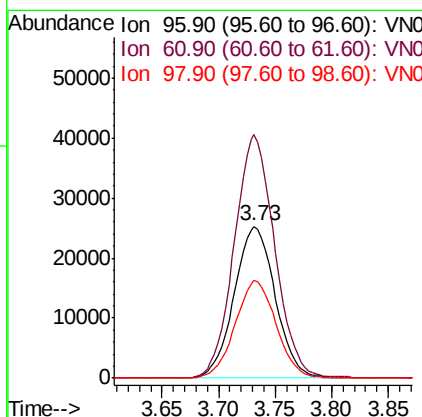
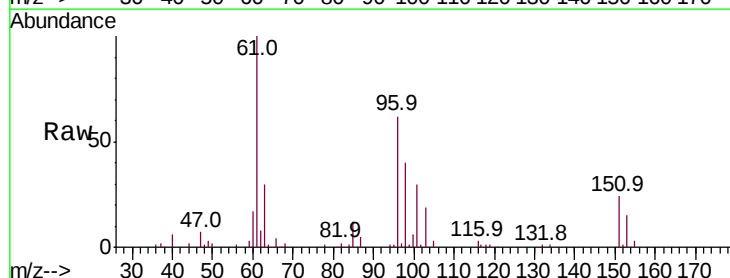
MMDadoda
6/21/2019 10:52:16 PM

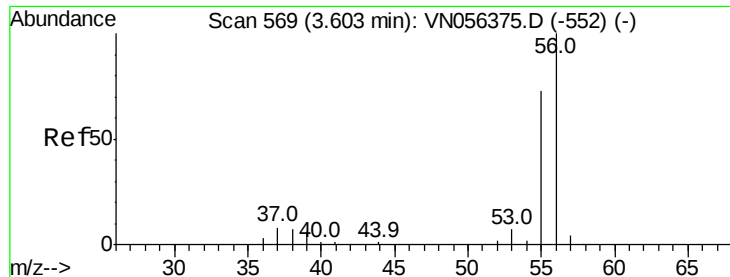


#12

1,1-Dichloroethene
Concen: 19.883 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	96	61	98	Ratio	100	160.8	64.2	Resp	Lower	Upper
96	100							63679		
61		160.8							126.6	190.0
98		64.2							51.1	76.7





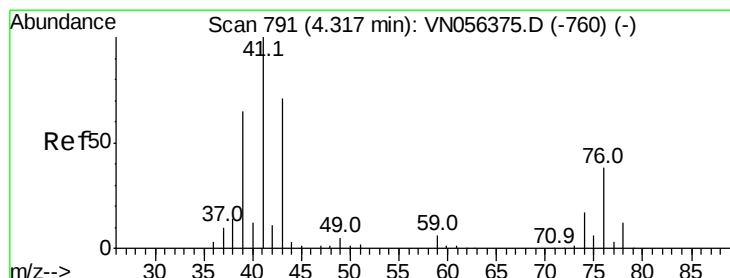
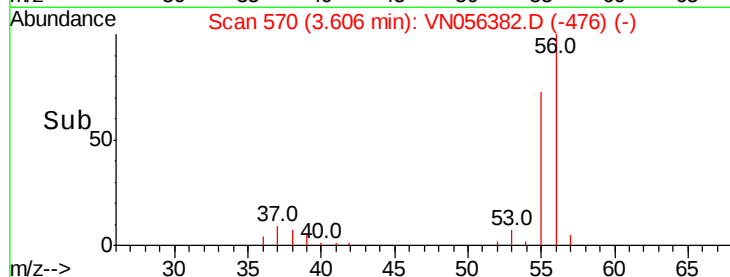
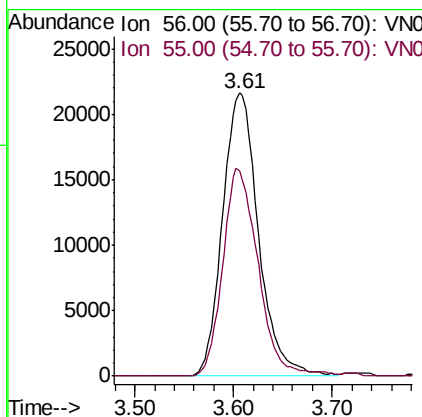
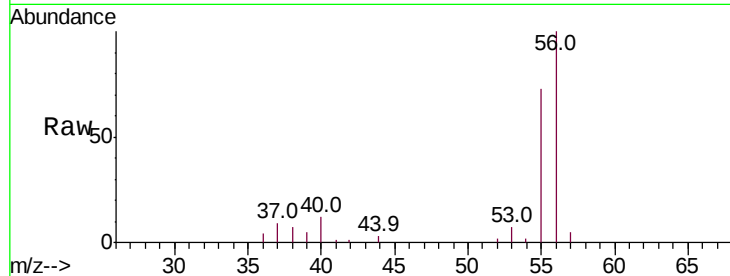
#13
Acrolein
Concen: 96.553 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion: 56 Resp: 55072
Ion Ratio Lower Upper
56 100
55 72.1 57.1 85.7

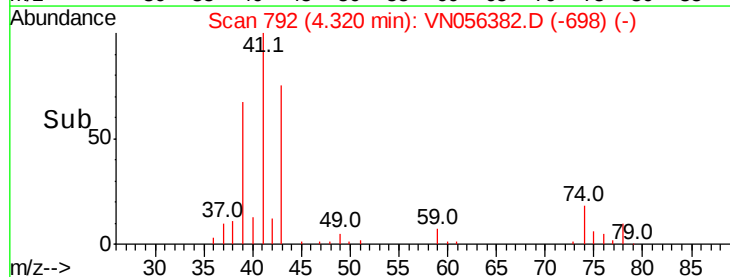
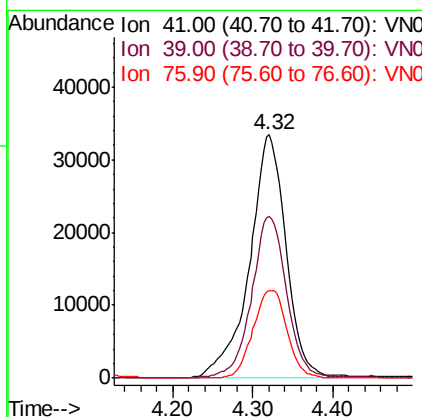
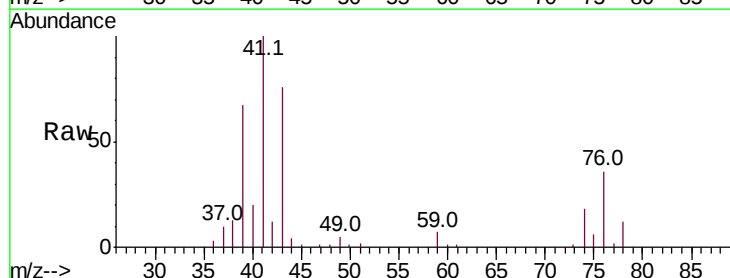
Manual Integrations
APPROVED

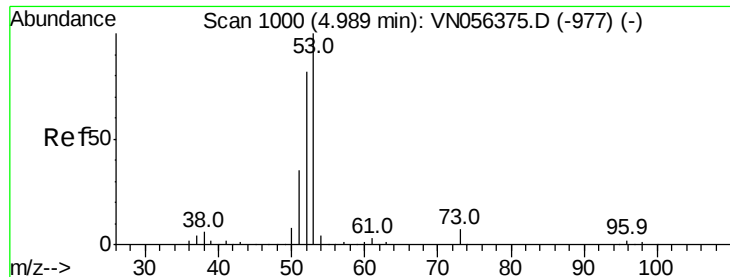
MMDadoda
6/21/2019 10:52:16 PM



#14
Allyl chloride
Concen: 19.692 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 41 Resp: 104986
Ion Ratio Lower Upper
41 100
39 64.0 48.6 73.0
76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 100.686 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

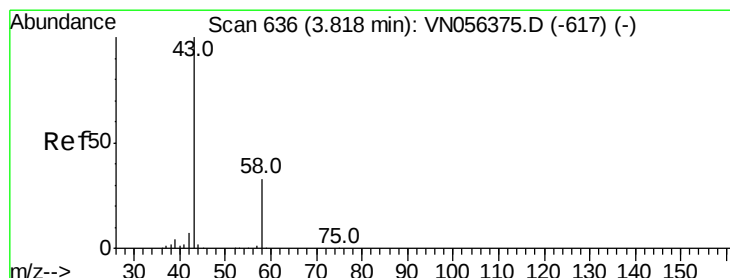
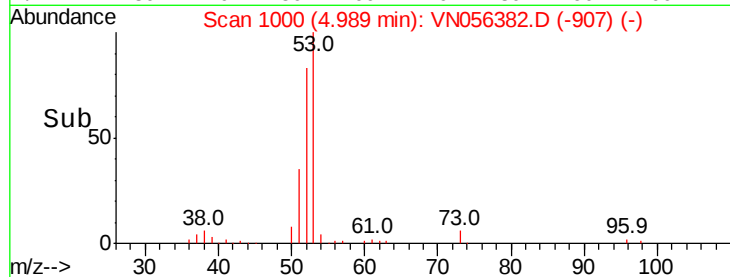
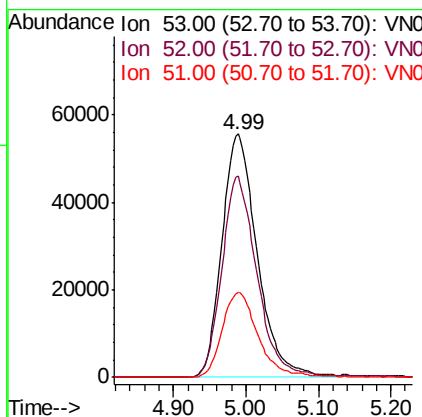
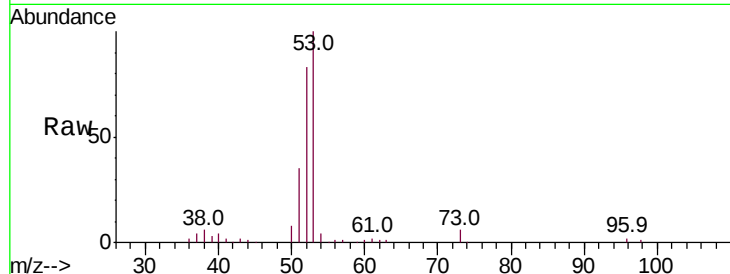
ClientSampleId :

VN0619WBS01

Tot Ion:	53	Resp:	188509
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.9	98.9
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 91.449 ug/l

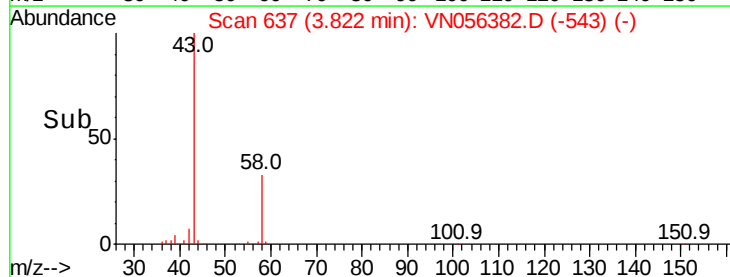
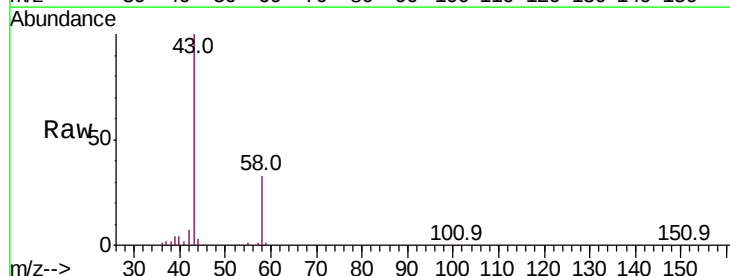
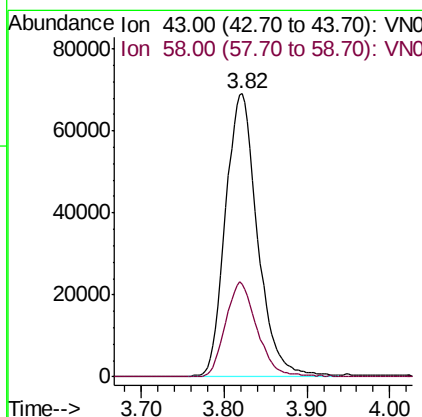
RT: 3.82 min Scan# 637

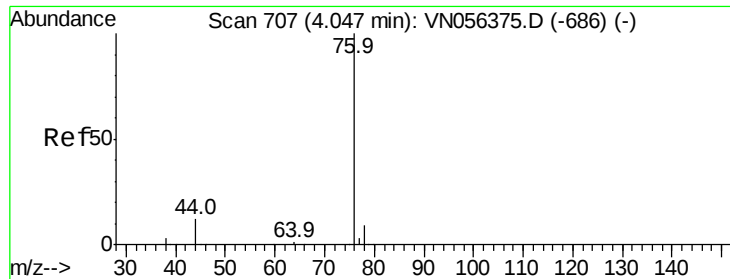
Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion:	43	Resp:	184101
Ion Ratio	Lower	Upper	
43	100		
58	33.0	26.4	39.6





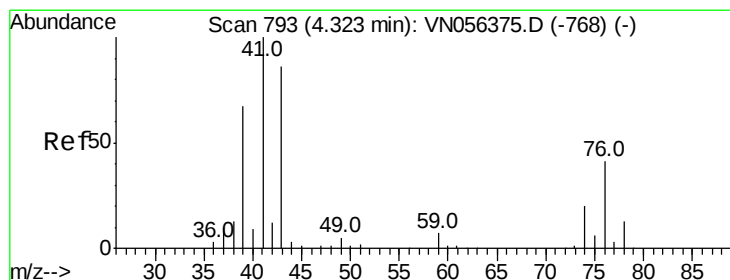
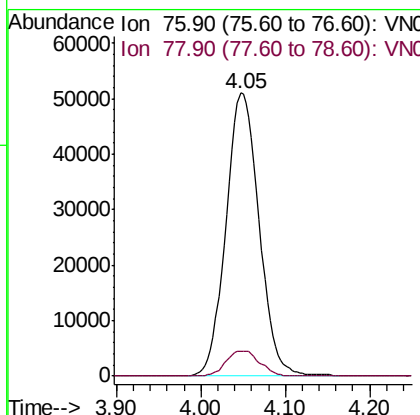
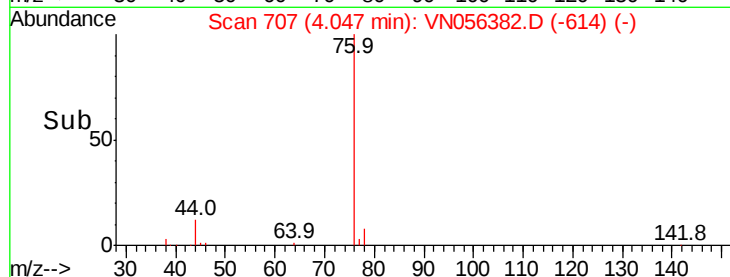
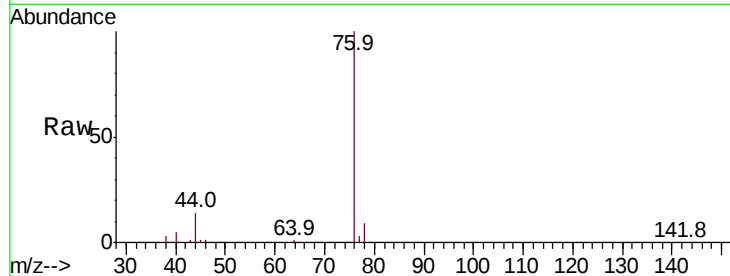
#17
Carbon Disulfide
Concen: 19.144 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 76 Resp: 139456
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

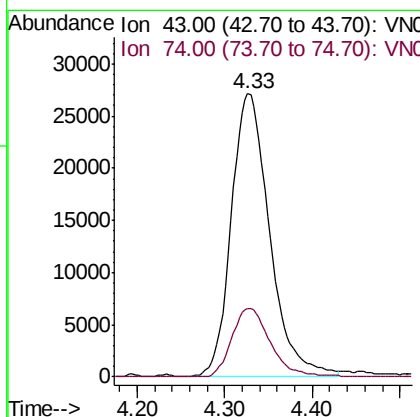
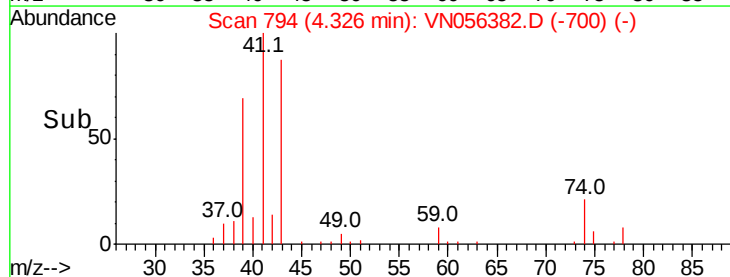
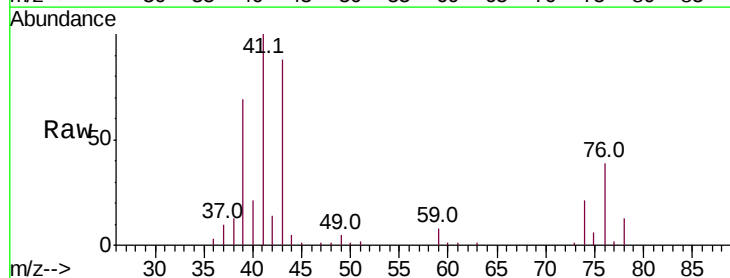
Manual Integrations
APPROVED

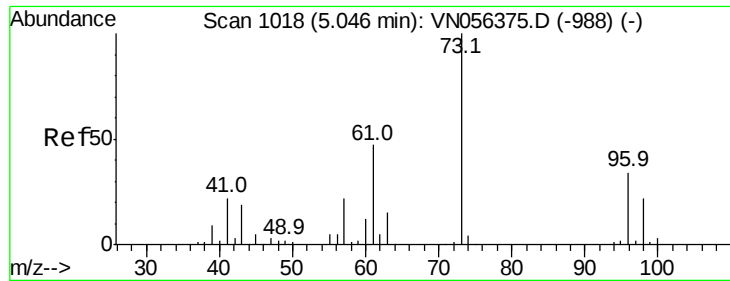
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#18
Methyl Acetate
Concen: 20.520 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 43 Resp: 82927
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





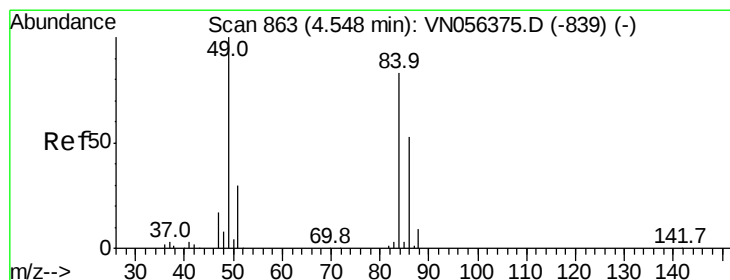
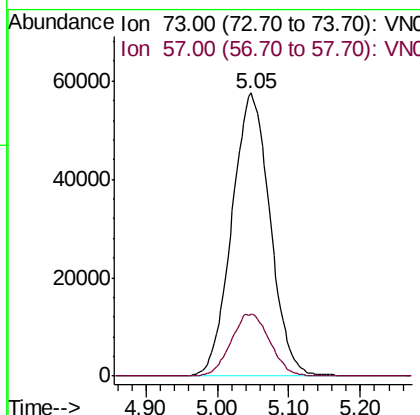
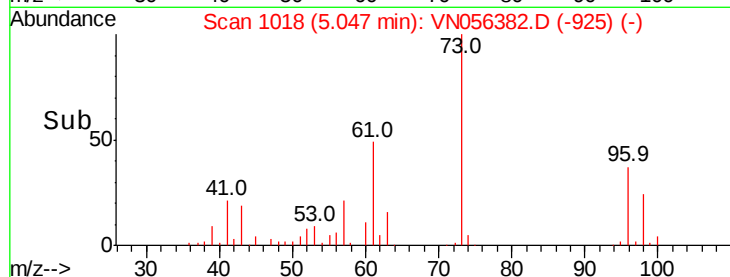
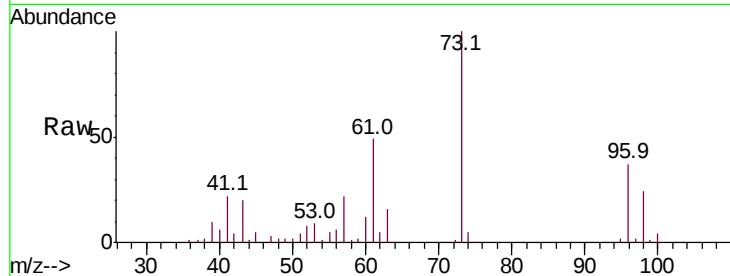
#19
Methvl tert-butvl Ether
Concen: 20.224 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 73 Resp: 214324
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9

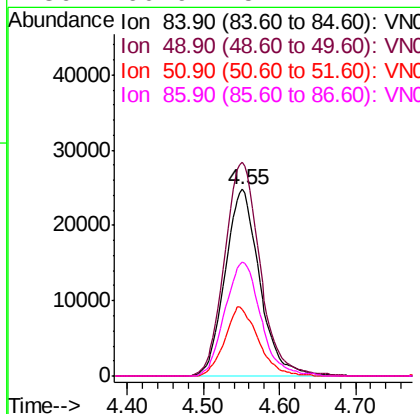
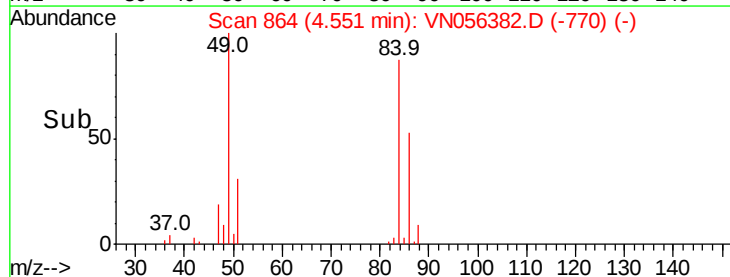
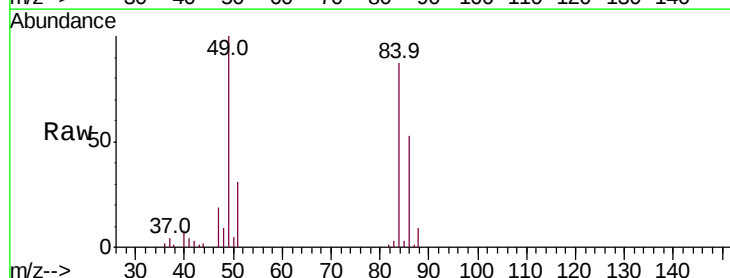
Manual Integrations
APPROVED

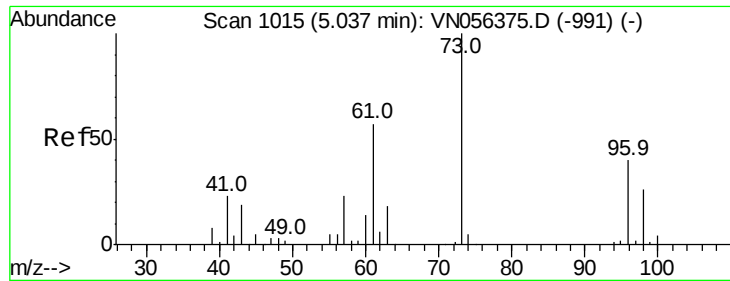
MMDadoda
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#20
Methylene Chloride
Concen: 20.123 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 84 Resp: 78388
Ion Ratio Lower Upper
84 100
49 114.6 96.4 144.6
51 36.1 28.6 43.0
86 60.9 51.4 77.2





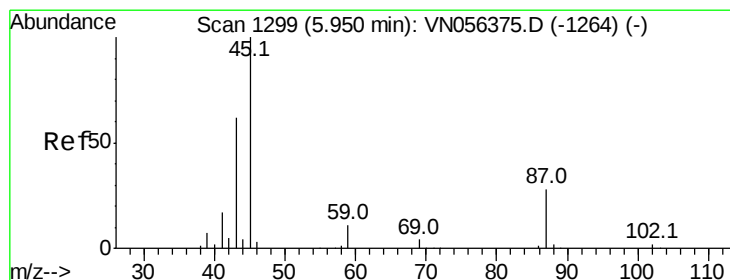
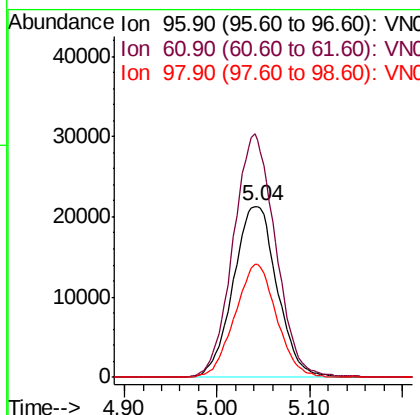
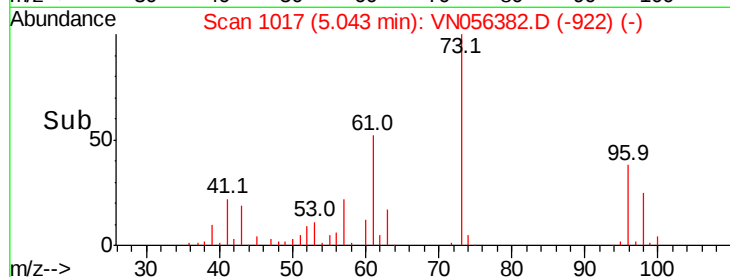
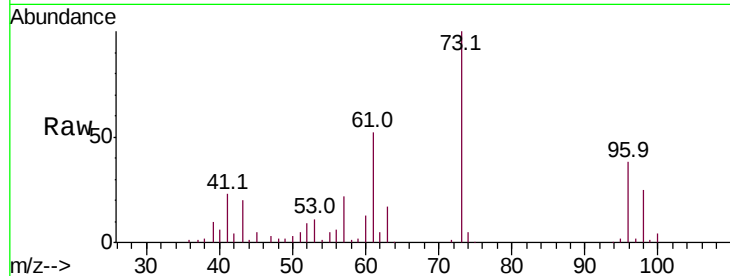
#21
trans-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	113.0	169.6
98	66.1	52.2	78.2

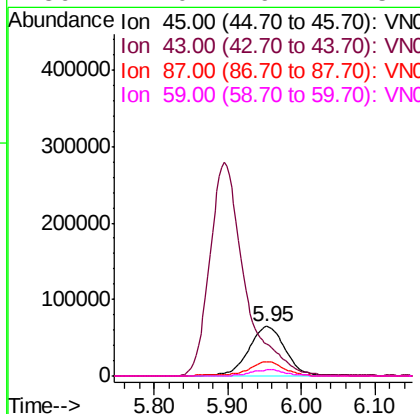
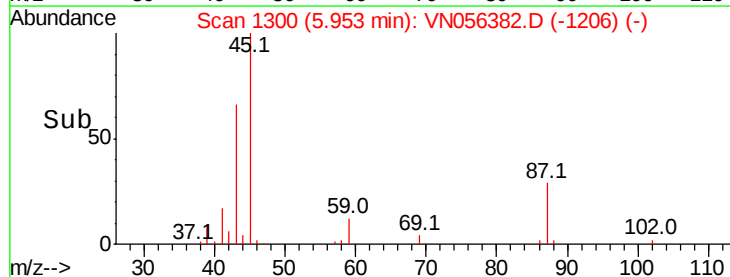
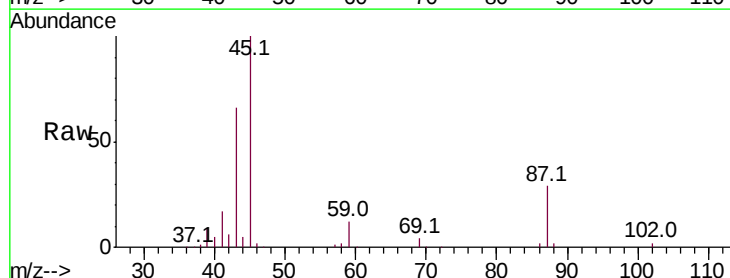
Manual Integrations
APPROVED

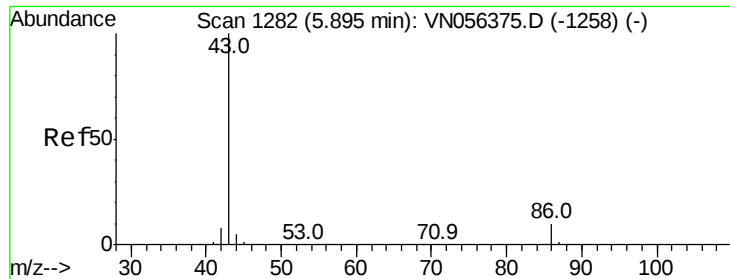
MMDadoda
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#22
Diisopropyl ether
Concen: 20.189 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	50.4	75.6
87	28.5	23.0	34.4
59	12.0	9.1	13.7





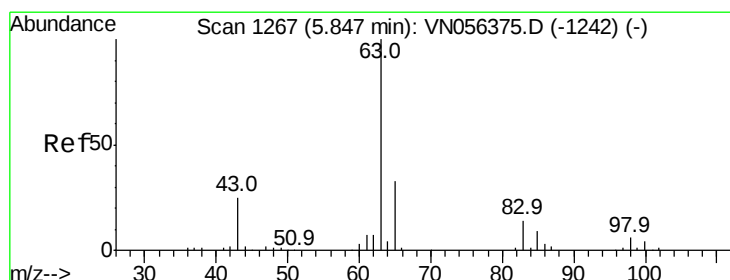
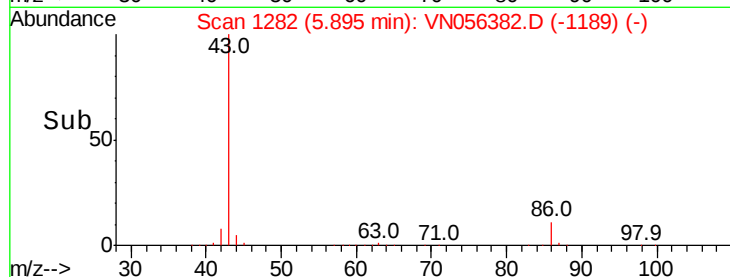
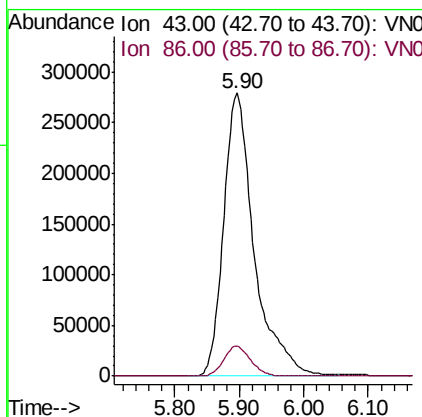
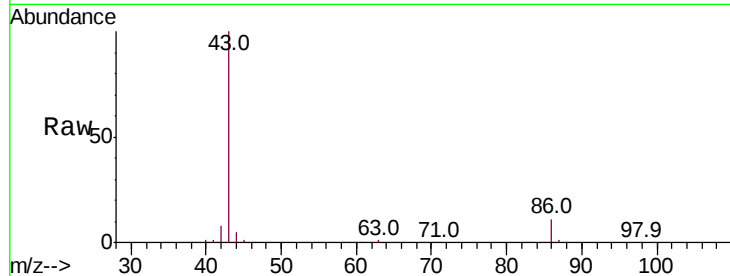
#23
 Vinyl Acetate
 Concen: 104.407 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

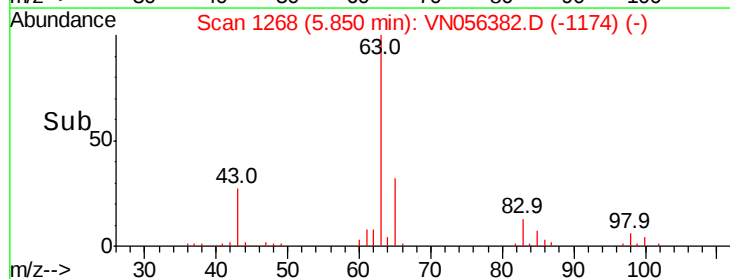
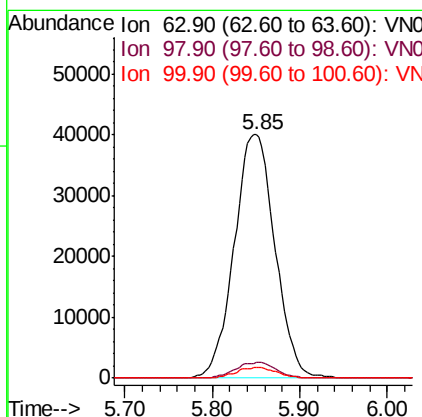
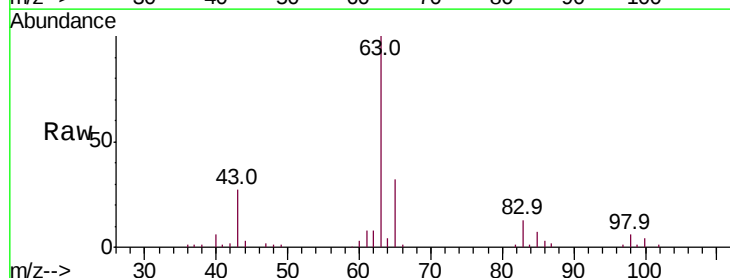
Manual Integrations
 APPROVED

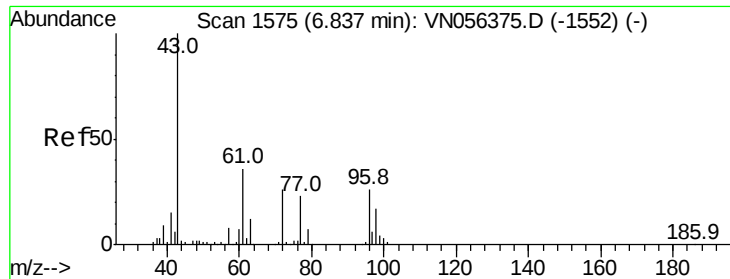
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#24
 1,1-Dichloroethane
 Concen: 20.106 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.3	2.1	6.5





#25

2-Butanone

Concen: 98.200 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 43 Resp: 261646

Ion Ratio Lower Upper

43 100

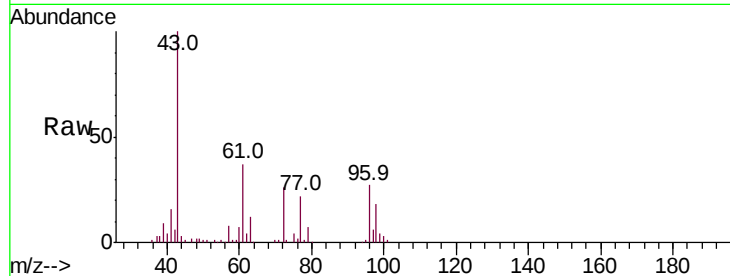
72 26.5 20.6 31.0

Manual Integrations

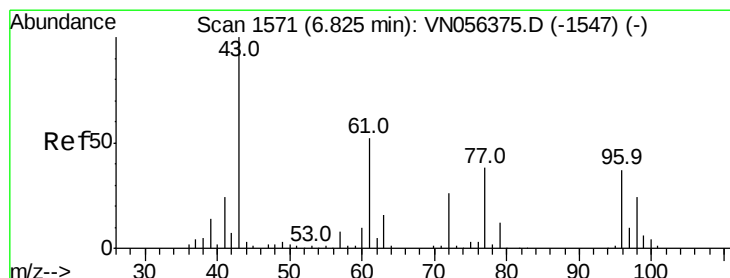
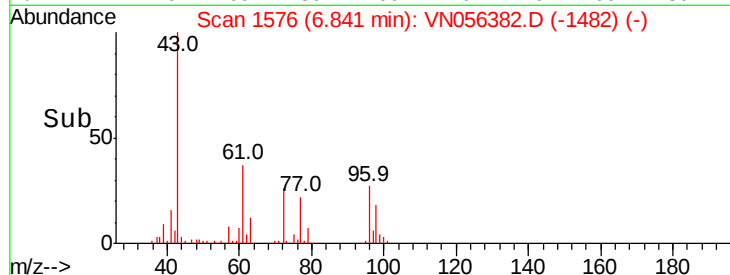
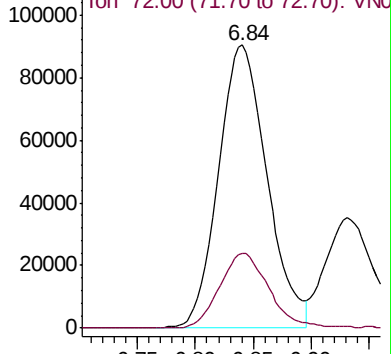
APPROVED

MMDadoda

6/21/2019 10:52:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1552) (-)



#26

2,2-Dichloropropane

Concen: 19.024 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056382.D

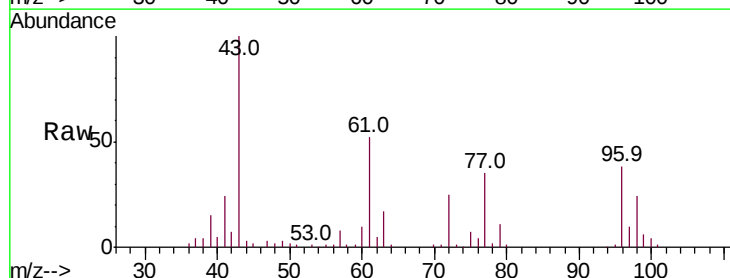
Acq: 19 Jun 2019 13:22

Tgt Ion: 77 Resp: 85037

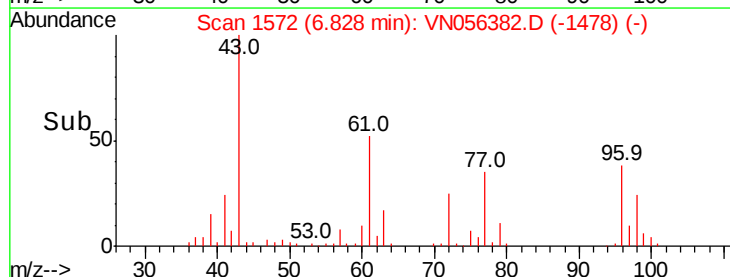
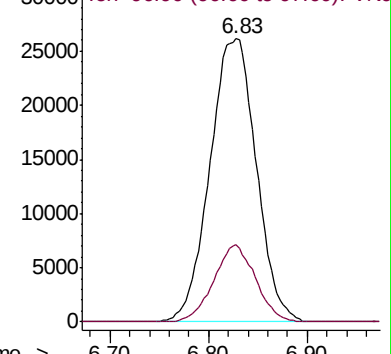
Ion Ratio Lower Upper

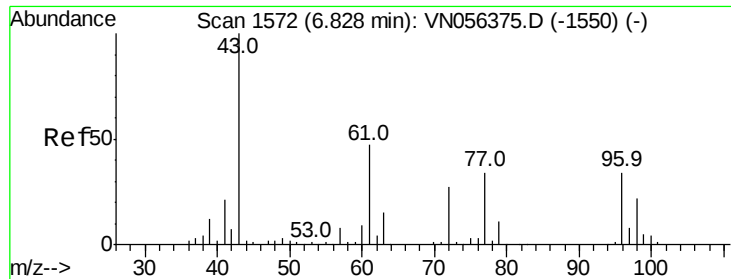
77 100

97 24.5 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN056375.D (-1547) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.482 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleID :

VN0619WBS01

Tot Ion: 96 Resp: 82743

Ion Ratio Lower Upper

96 100

61 139.1 0.0 279.8

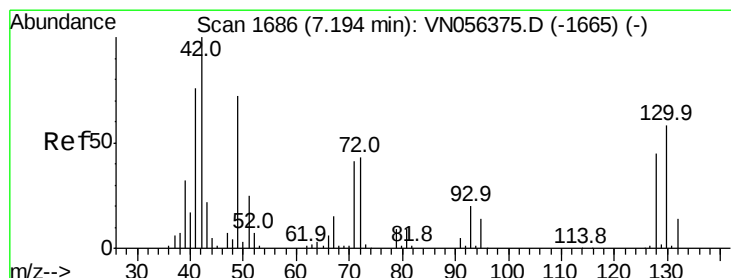
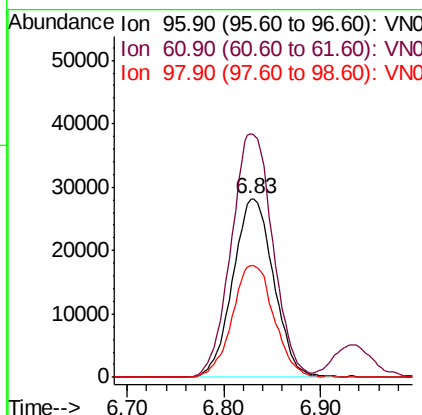
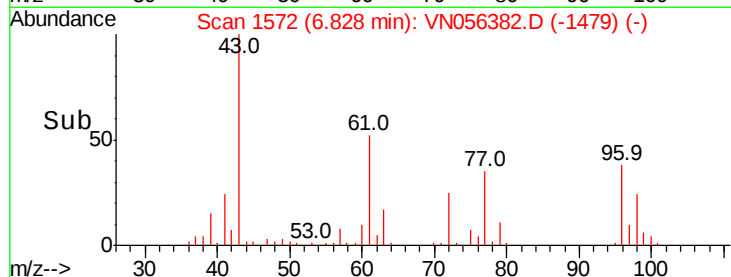
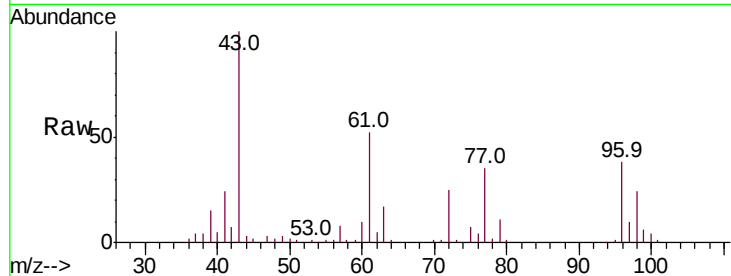
98 63.7 0.0 130.0

Manual Integrations

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#28

Bromochloromethane

Concen: 21.017 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

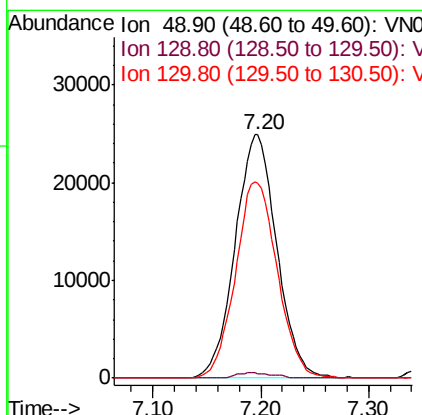
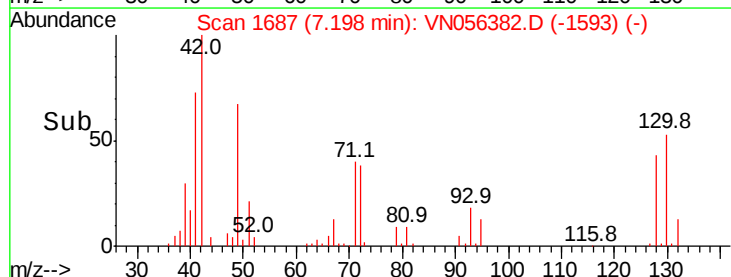
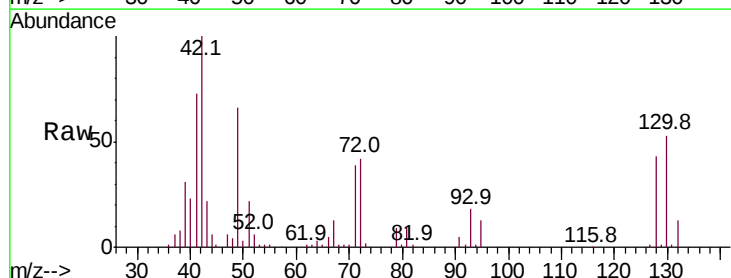
Tgt Ion: 49 Resp: 66813

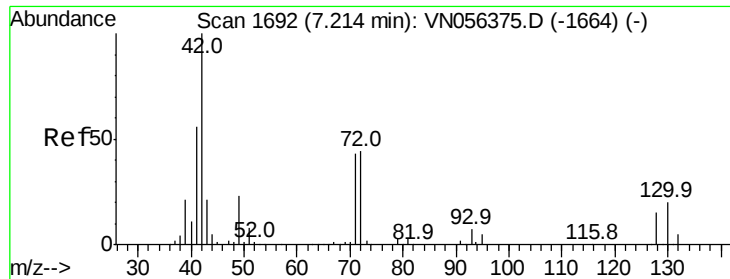
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

130 81.0 64.9 97.3





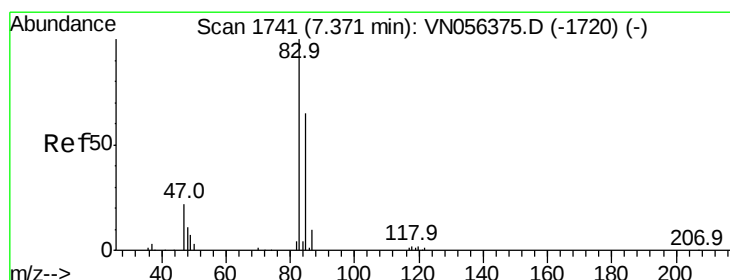
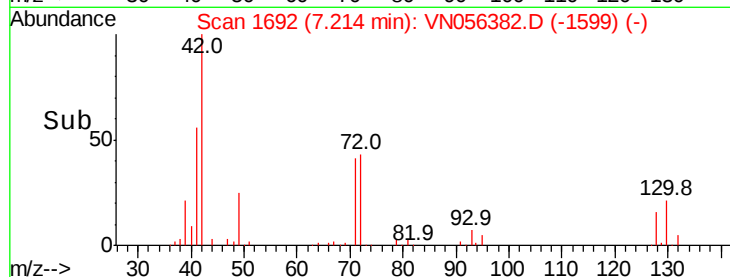
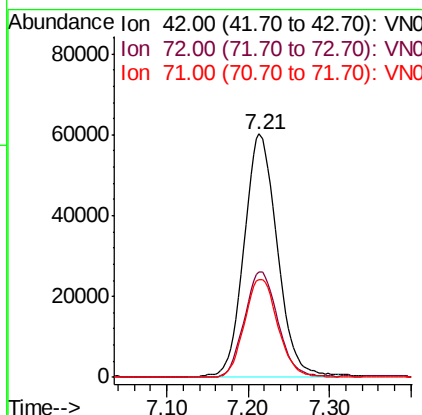
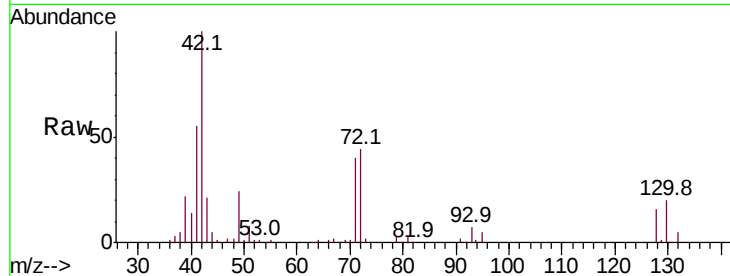
#29
Tetrahydrofuran
Concen: 104.205 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.7	52.1
71	40.3	33.0	49.6

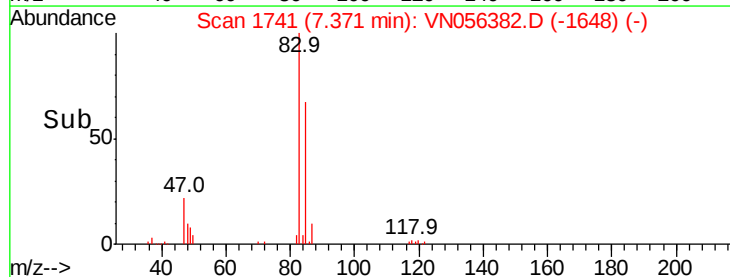
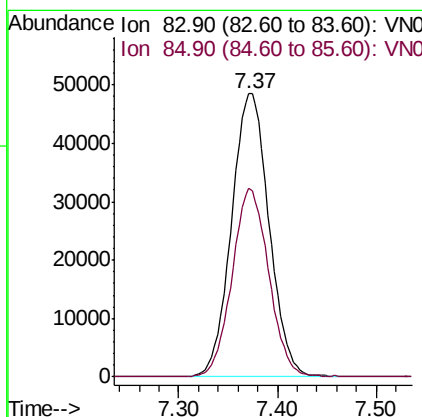
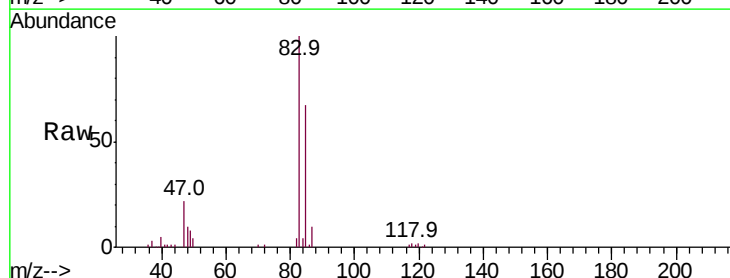
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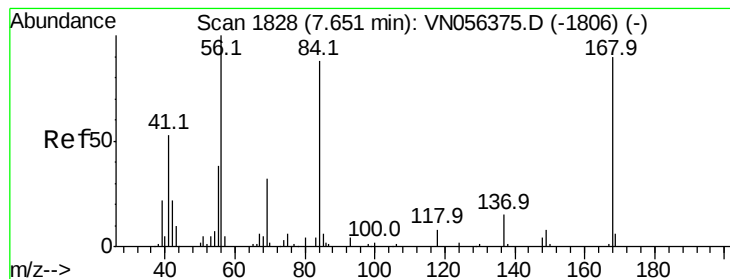
MMDadoda
6/21/2019 10:52:16 PM



#30
Chloroform
Concen: 20.215 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.3	78.5





#31

Cyclohexane

Concen: 19.860 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

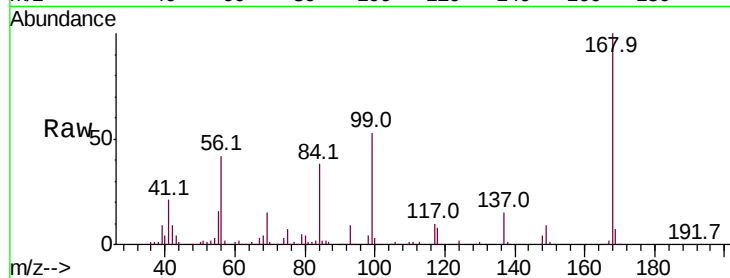
ClientSampled :

VN0619WBS01

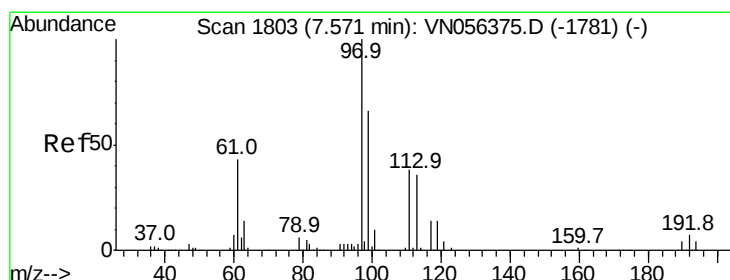
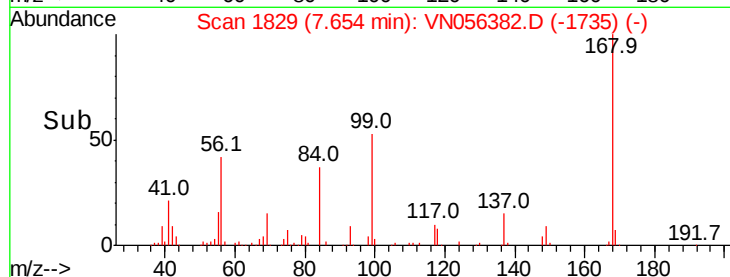
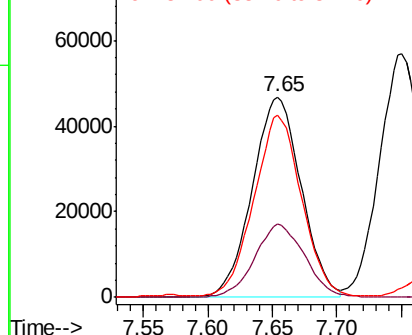
Tot Ion	56	Resp	123225
Ion	Ratio	Lower	Upper
56	100		
69	36.5	25.8	38.6
84	89.6	69.4	104.0

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.244 ug/l

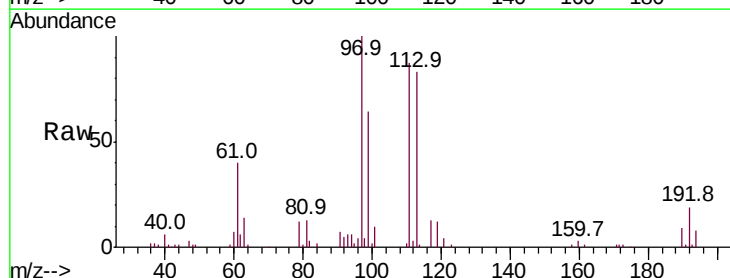
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

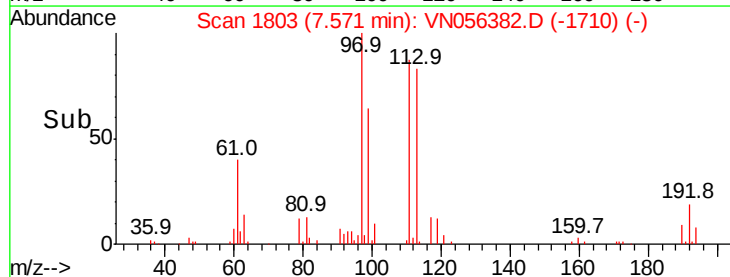
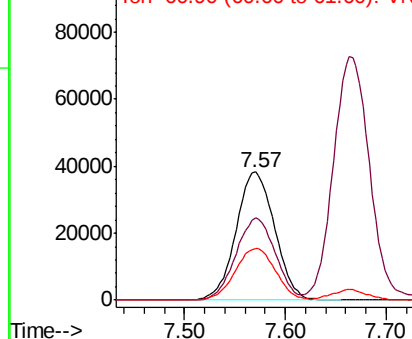
Lab File: VN056382.D

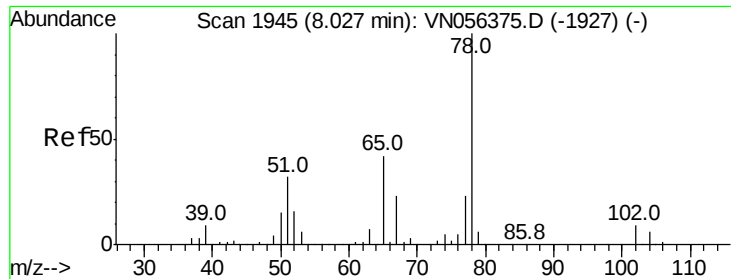
Acq: 19 Jun 2019 13:22

Tgt Ion	97	Resp	101767
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.6
61	42.1	33.9	50.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





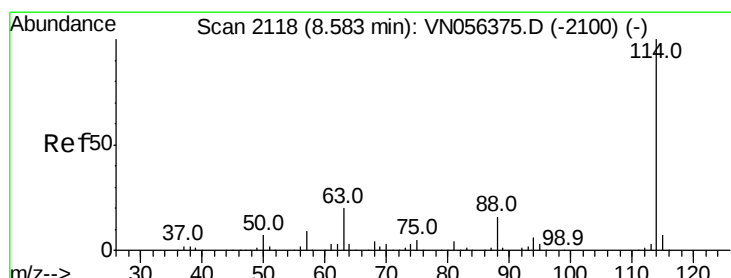
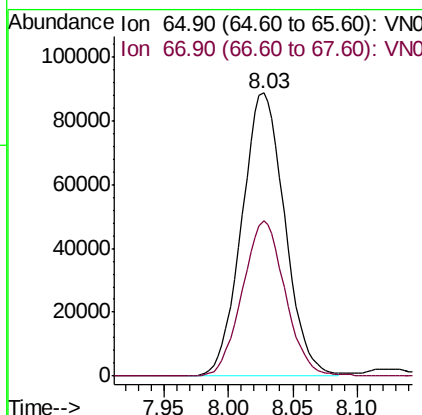
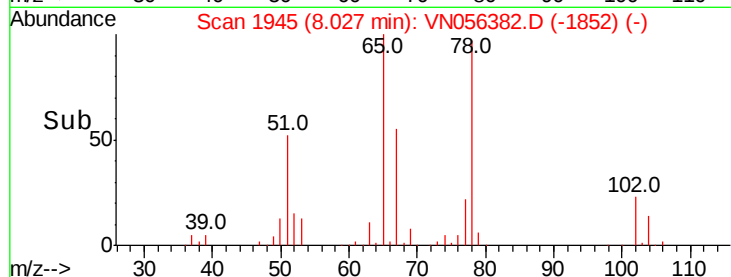
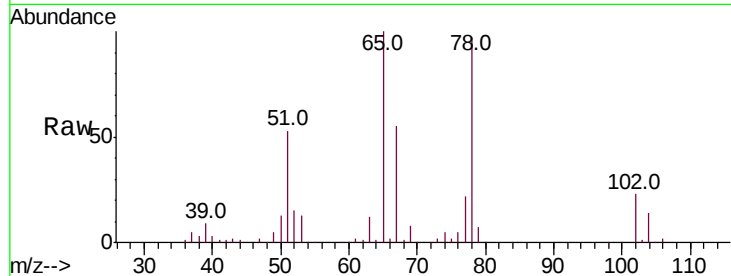
#33
 1,2-Dichloroethane-d4
 Concen: 51.353 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206343		
67	54.5	0.0	109.0	

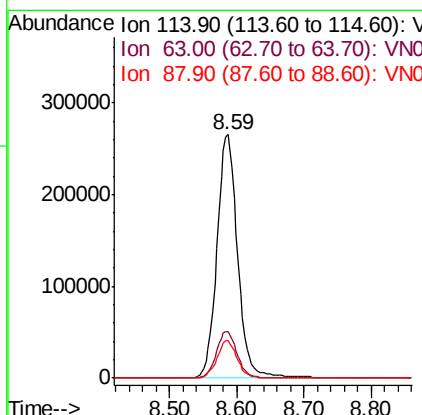
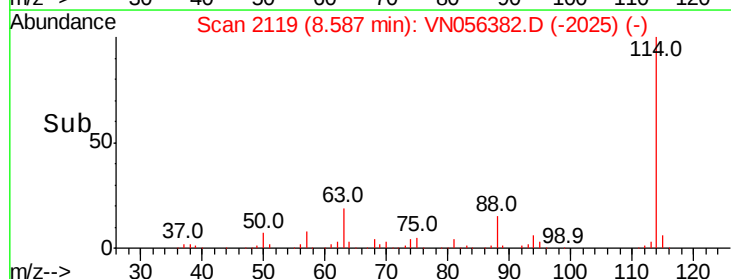
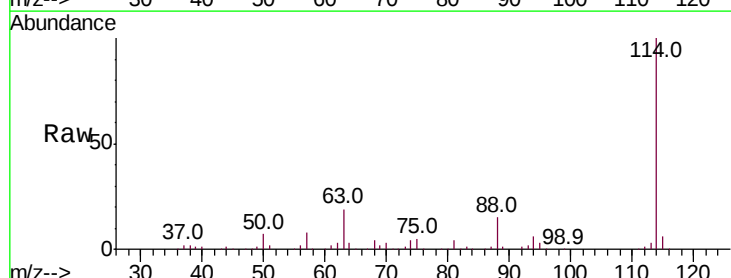
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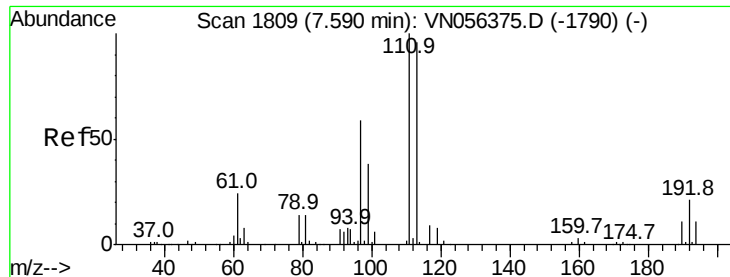
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	570258		
63	18.9	0.0	39.2	
88	15.3	0.0	31.4	





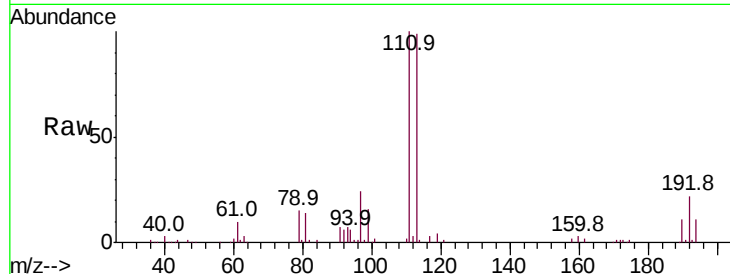
#35
 Dibromofluoromethane
 Concen: 49.751 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

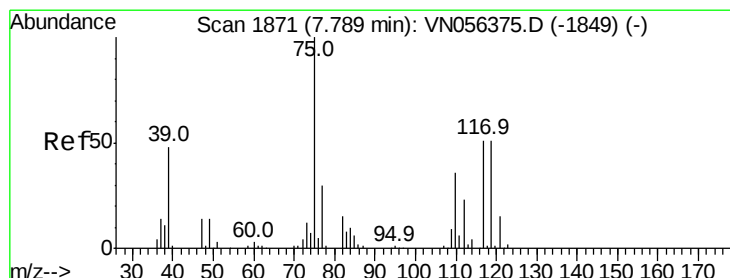
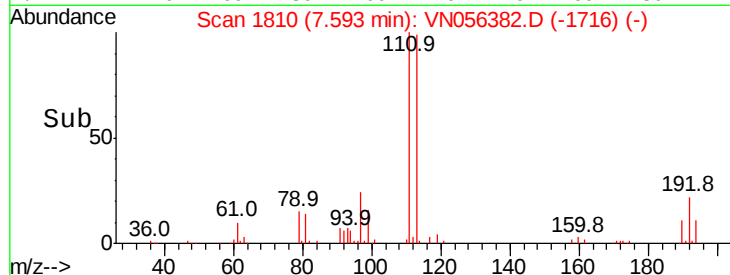
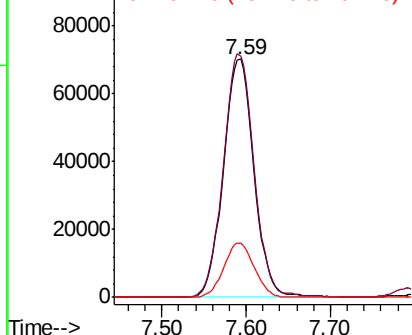
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	22.6	17.7	26.5

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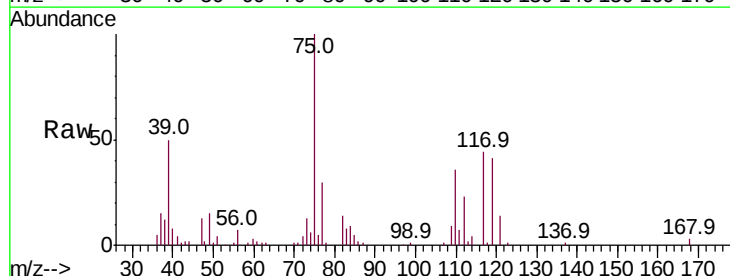


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

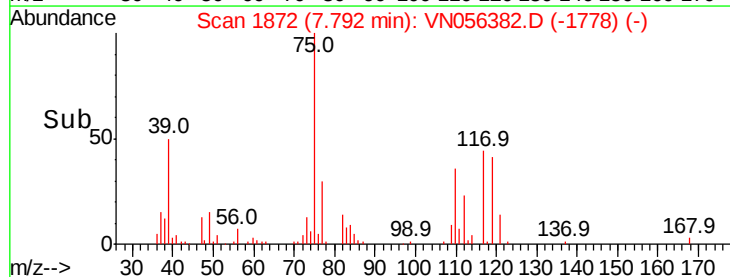
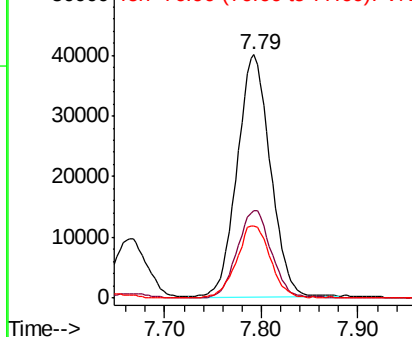


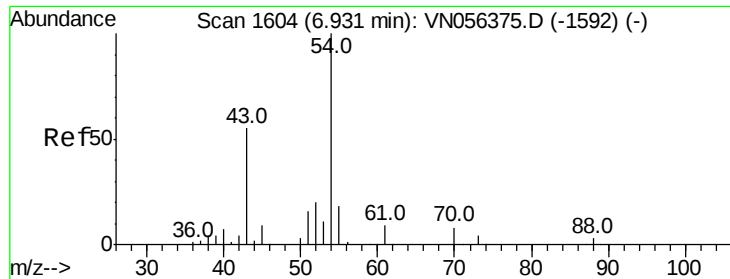
#36
 1,1-Dichloropropene
 Concen: 19.010 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.3
77	30.3	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#37

Ethyl Acetate

Concen: 20.329 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

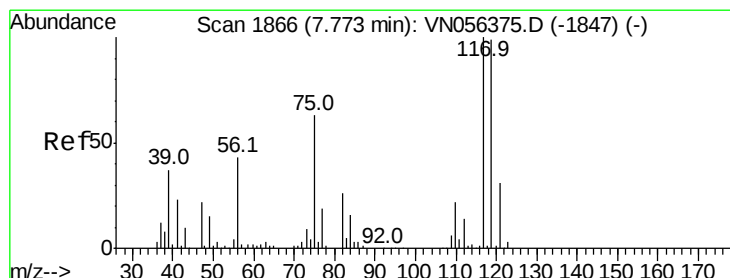
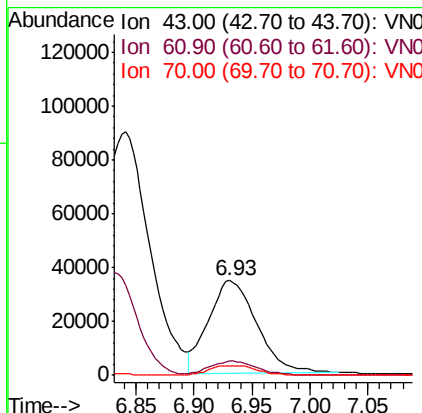
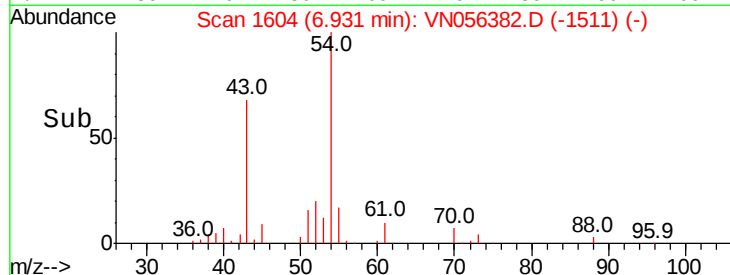
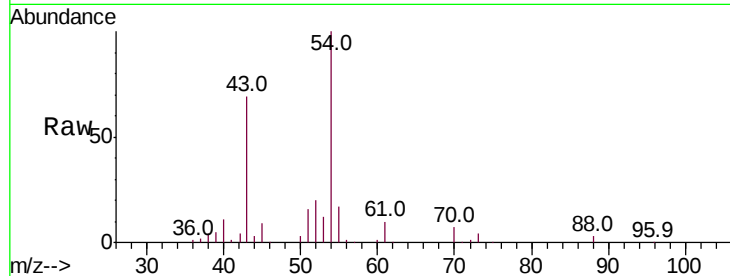
ClientSampleId :

VN0619WBS01

Tot Ion	43	Resp	100278
Ion Ratio	Lower	Upper	
43	100		
61	15.0	11.1	16.7
70	10.6	8.3	12.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.954 ug/l

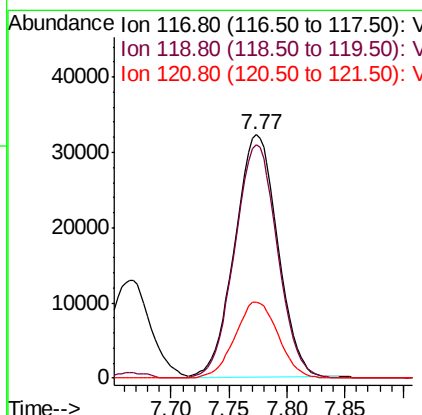
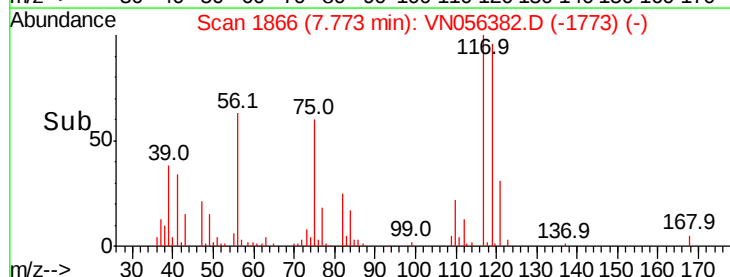
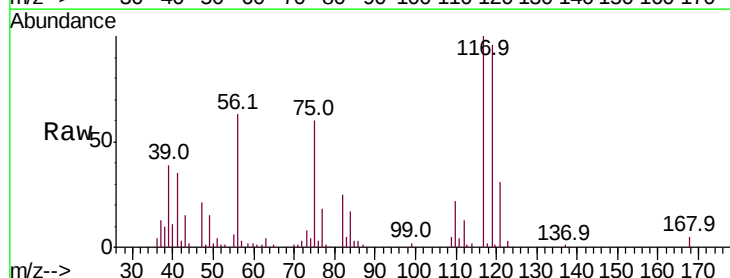
RT: 7.77 min Scan# 1866

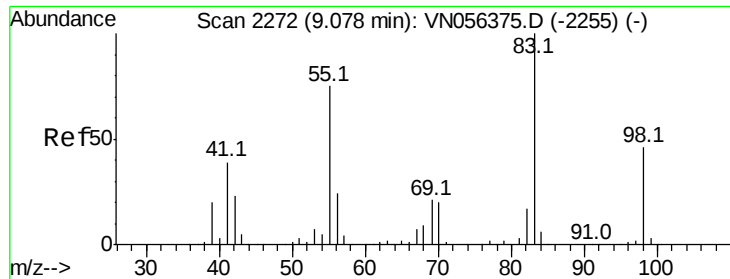
Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion	117	Resp	83194
Ion Ratio	Lower	Upper	
117	100		
119	96.6	79.1	118.7
121	31.4	24.8	37.2





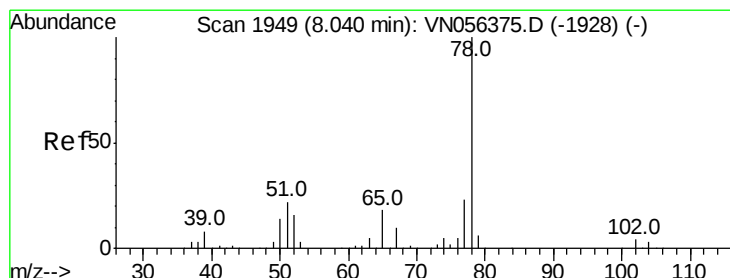
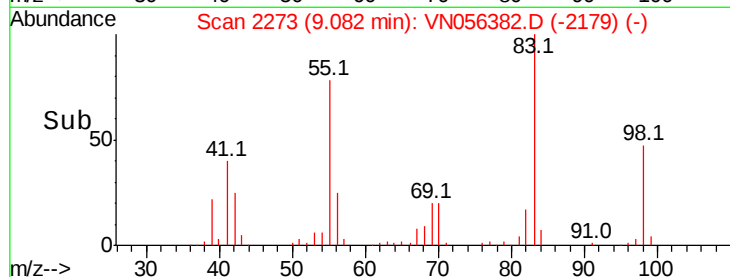
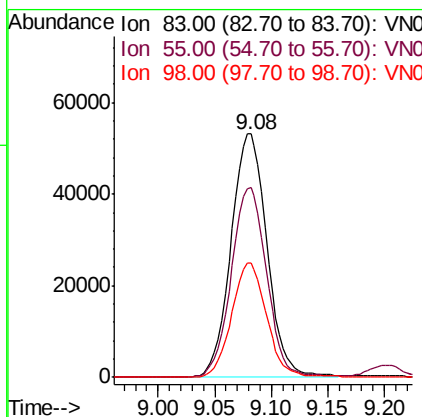
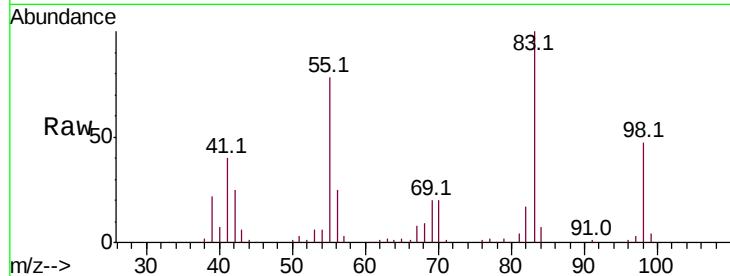
#39
Methvlcvclohexane
Concen: 19.022 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.0	90.0
98	47.0	36.6	54.8

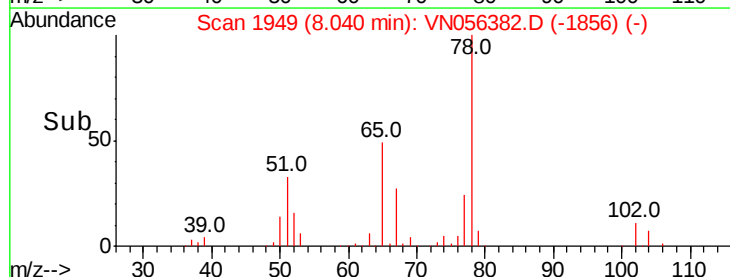
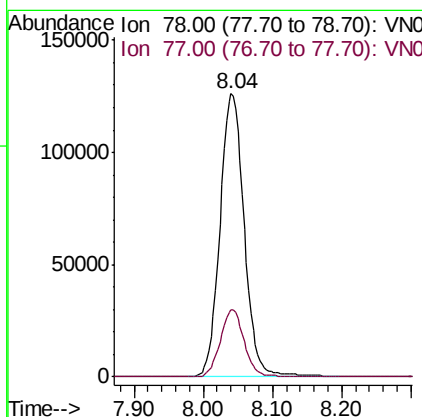
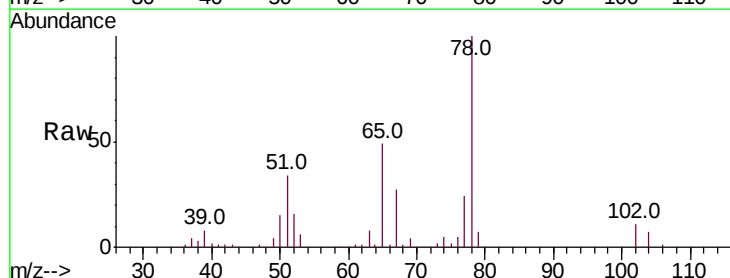
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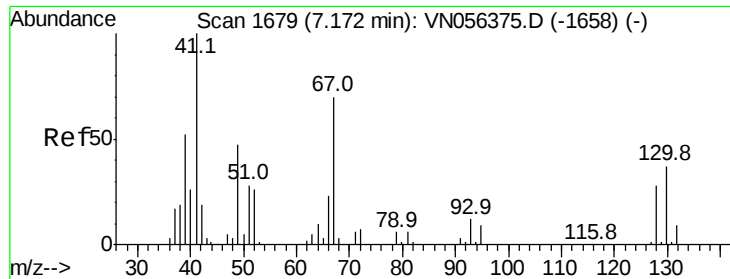
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#40
Benzene
Concen: 19.915 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5





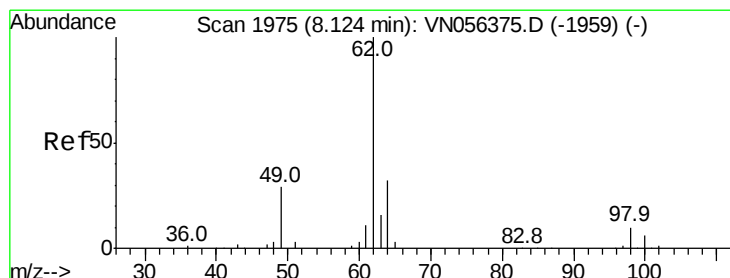
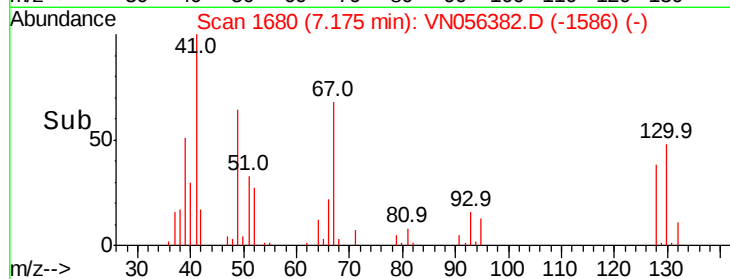
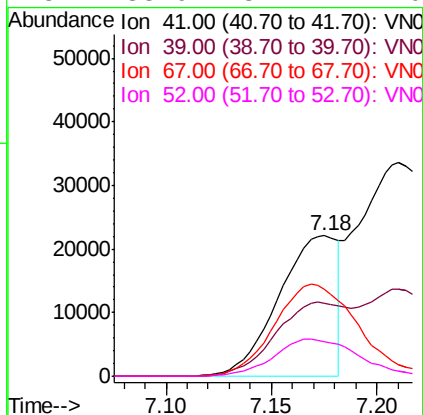
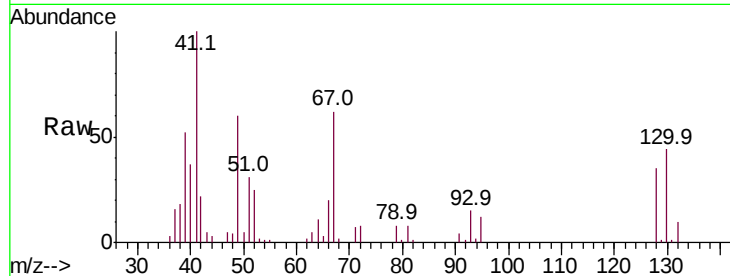
#41
Methacrylonitrile
Concen: 19.753 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VNC	100		
39	39.00 (38.70 to 39.70): VNC	64.4	55.3	82.9
67	67.00 (66.70 to 67.70): VNC	93.9	79.2	118.8
52	52.00 (51.70 to 52.70): VNC	38.9	31.4	47.0

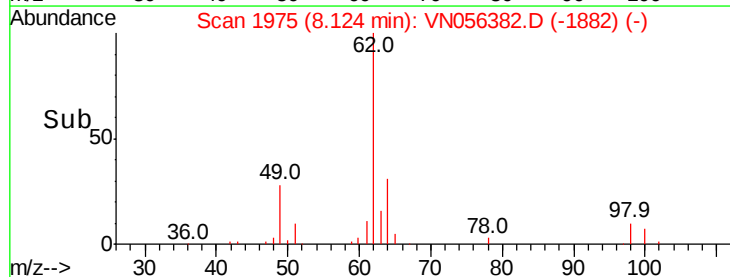
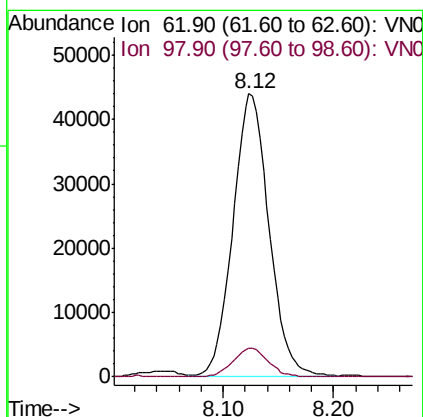
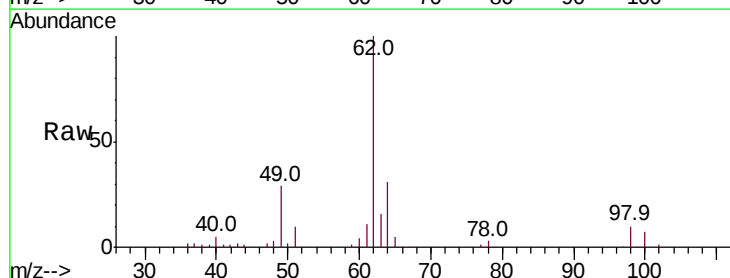
Manual Integrations
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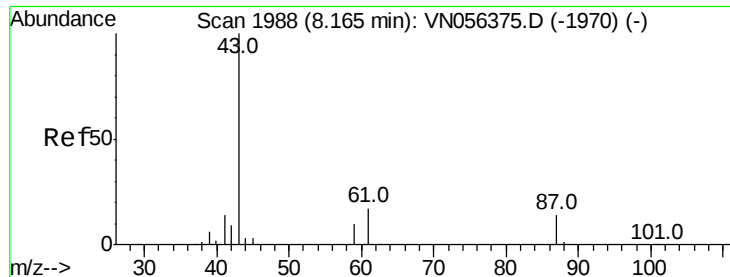
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.439 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.60 to 62.60): VNC	100		
98	98.00 (97.60 to 98.60): VNC	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.305 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

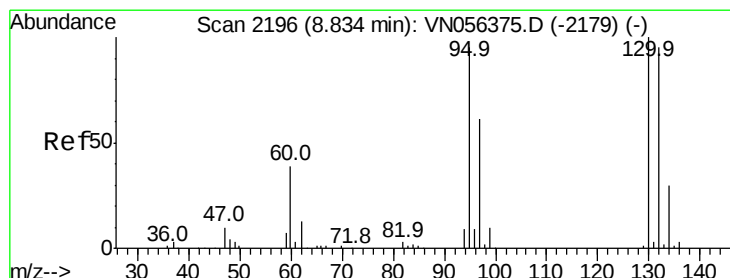
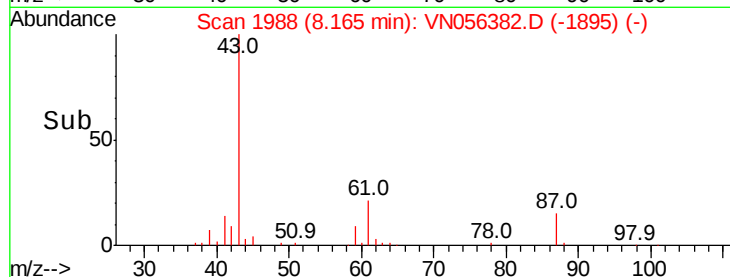
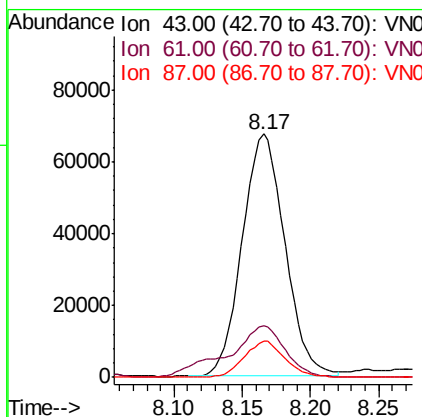
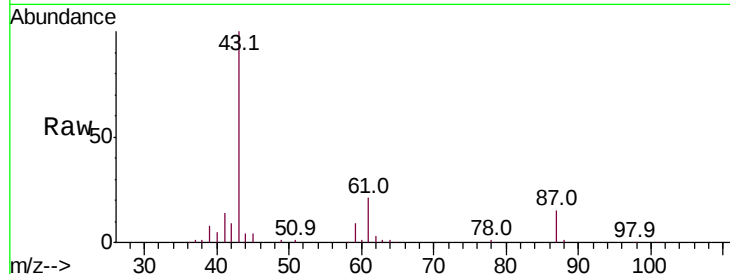
ClientSampleId :

VN0619WBS01

Tot Ion:	43	Resp:	146832
Ion Ratio	Lower	Upper	
43	100		
61	28.6	22.0	33.0
87	14.3	11.0	16.4

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#44

Trichloroethene

Concen: 19.520 ug/l

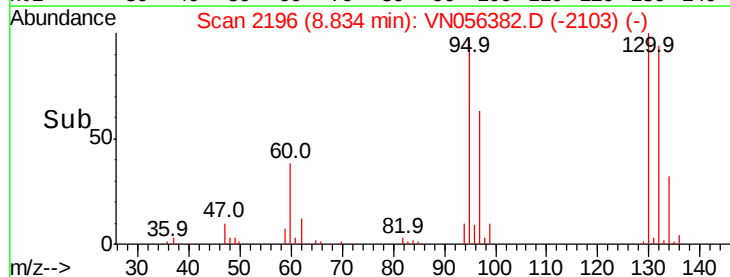
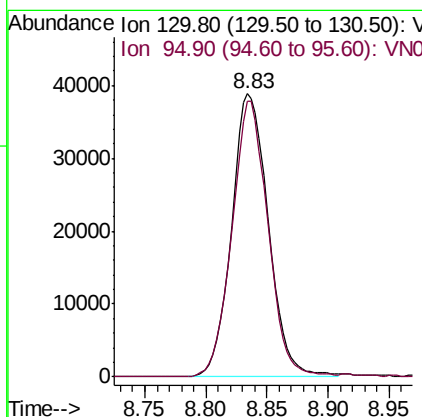
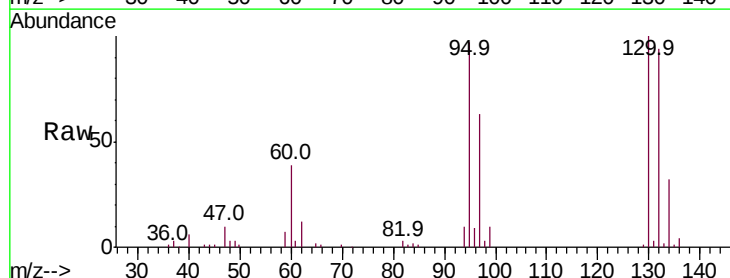
RT: 8.83 min Scan# 2196

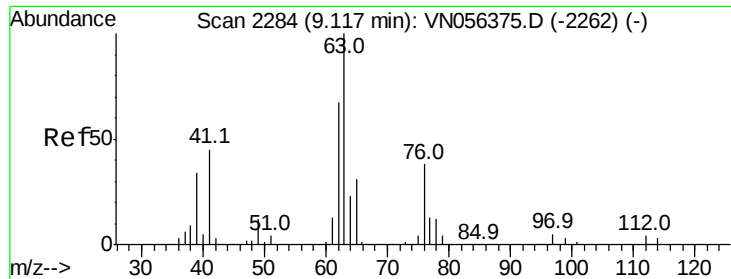
Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion:	130	Resp:	81182
Ion Ratio	Lower	Upper	
130	100		
95	97.5	0.0	191.0





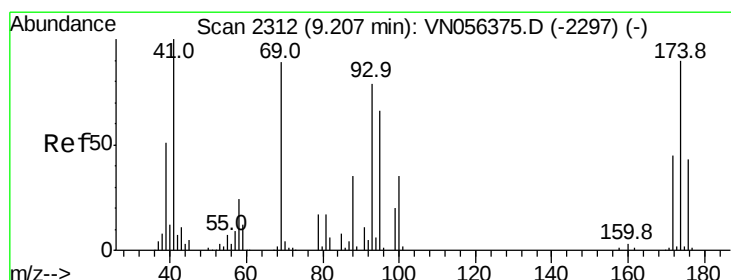
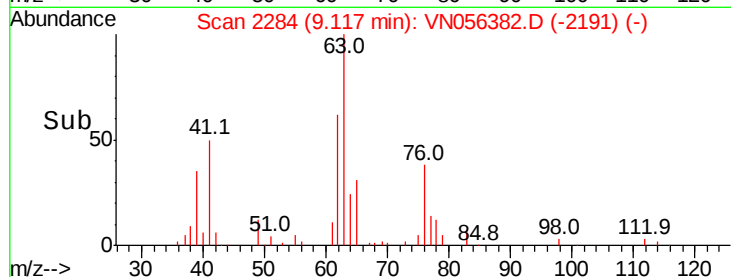
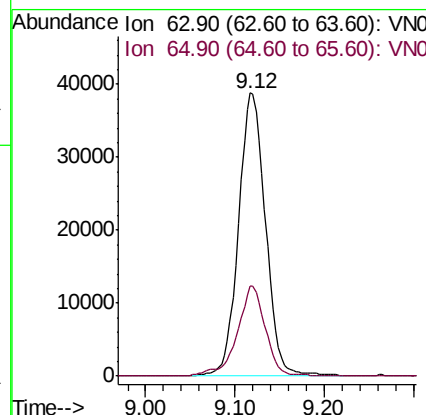
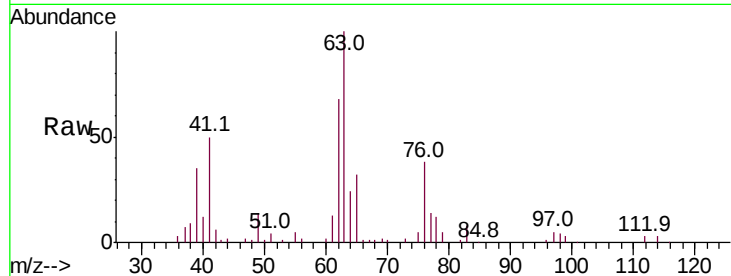
#45
 1,2-Dichloropropane
 Concen: 19.749 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBS01

Tot Ion: 63 Resp: 81543
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

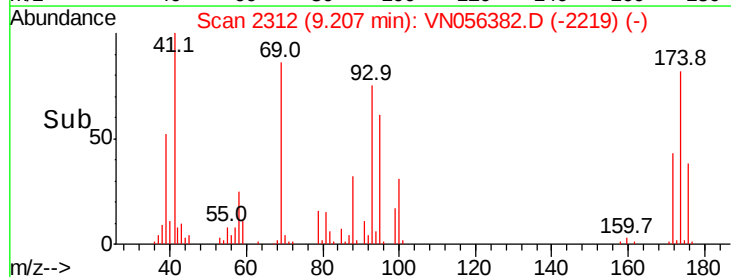
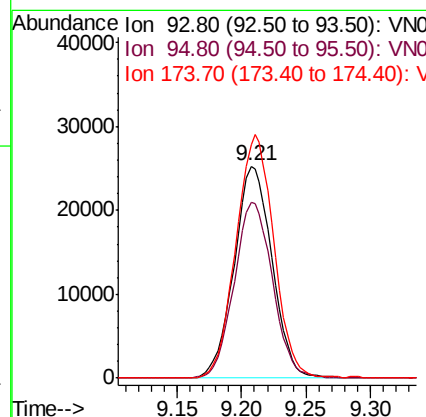
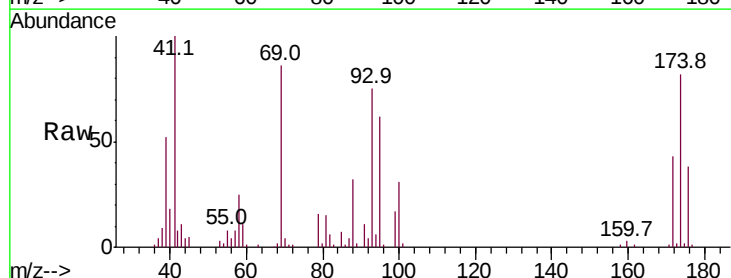
Manual Integrations
 APPROVED

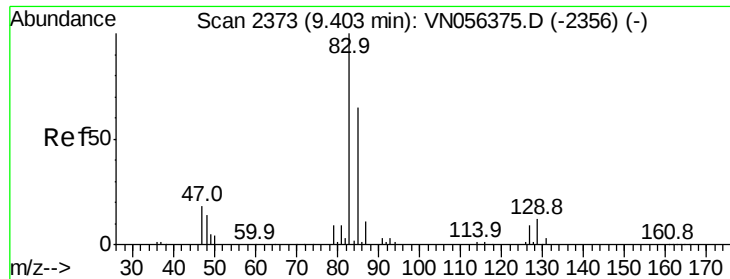
MMDadoda
 6/21/2019 10:52:16 PM



#46
 Dibromomethane
 Concen: 20.005 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion: 93 Resp: 51679
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.2
 174 114.4 90.8 136.2





#47

Bromodichloromethane

Concen: 19.578 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

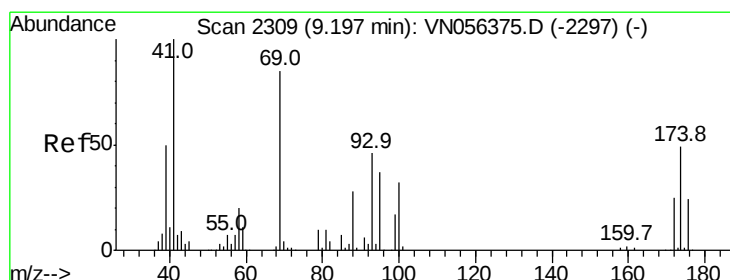
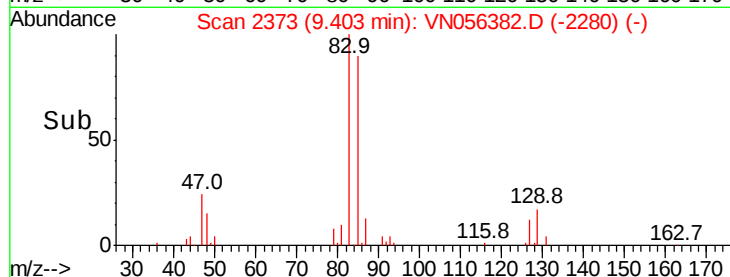
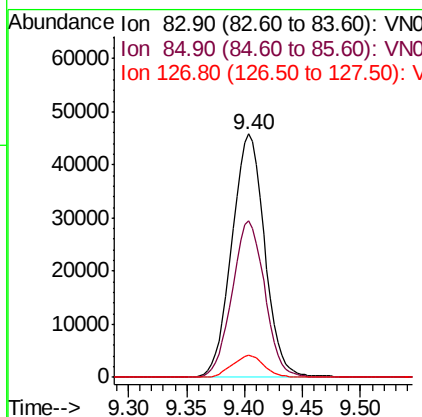
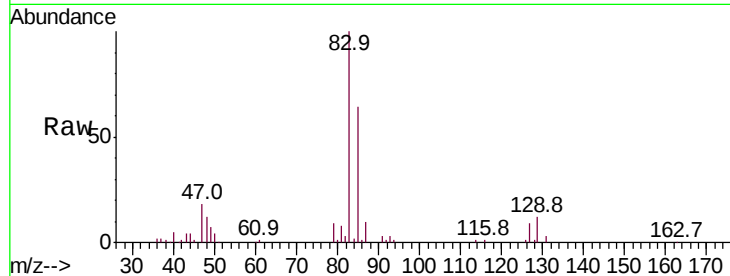
ClientSampleId :

VN0619WBS01

Tot Ion:	83	Resp:	89700
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.4
127	8.9	7.3	10.9

Manual Integrations
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MMDadoda
6/21/2019 10:52:16 PM



#48

Methyl methacrylate

Concen: 18.947 ug/l

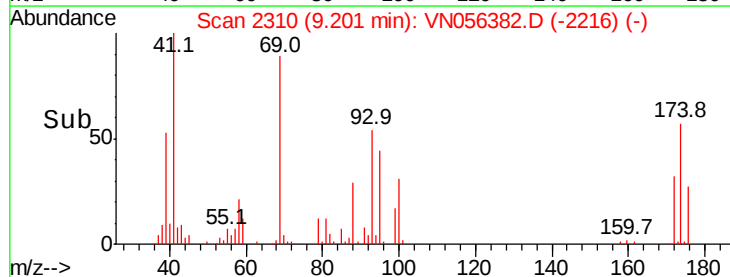
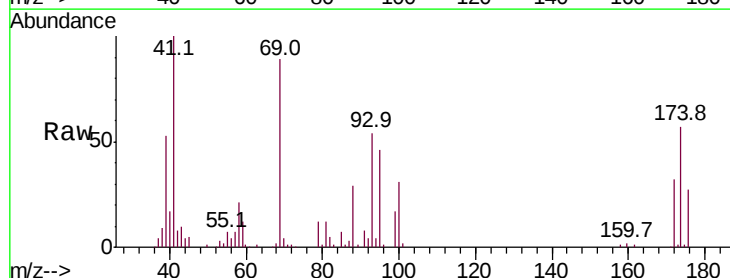
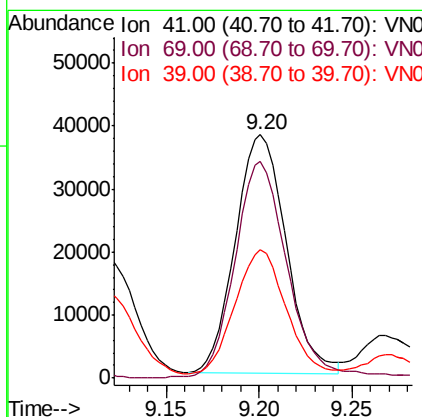
RT: 9.20 min Scan# 2310

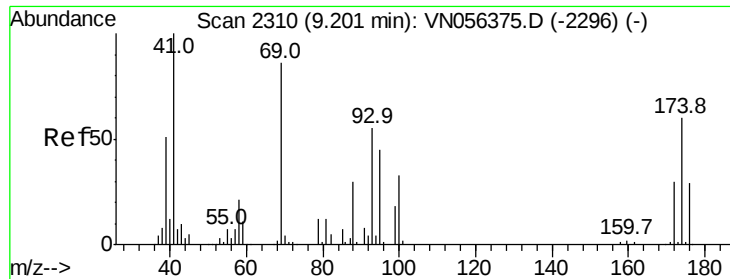
Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion:	41	Resp:	72219
Ion Ratio	Lower	Upper	
41	100		
69	94.2	72.6	109.0
39	55.5	42.6	63.8





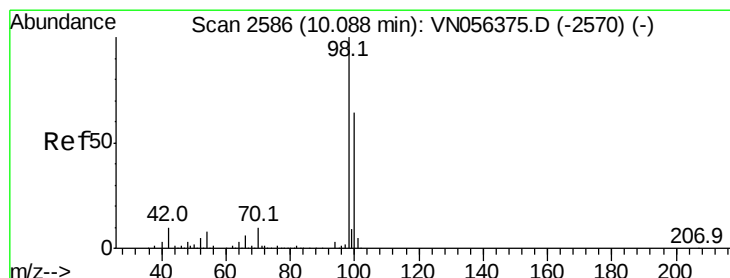
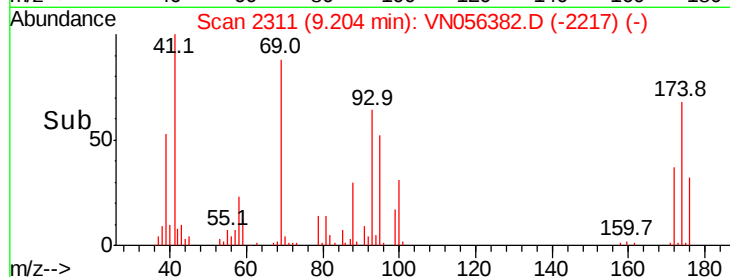
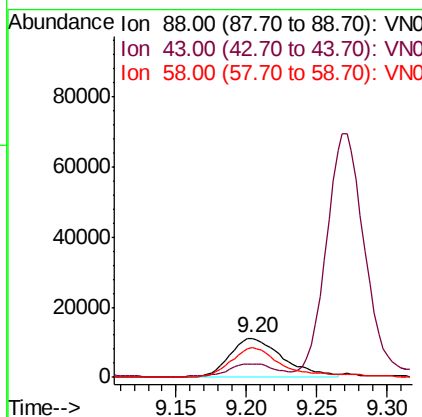
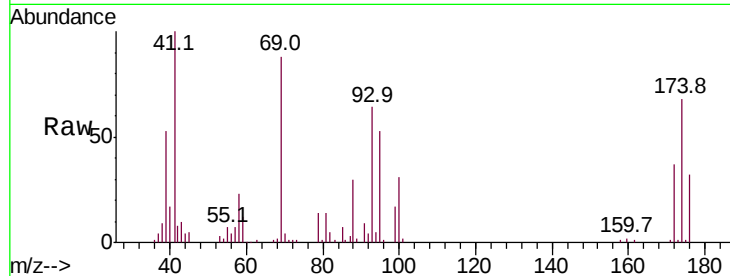
#49
1,4-Dioxane
Concen: 373.259 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.0	33.0
58	70.4	51.8	77.8

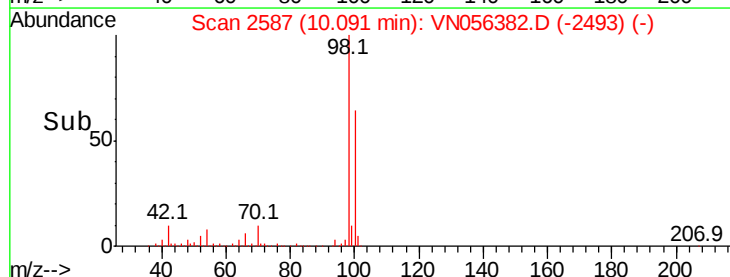
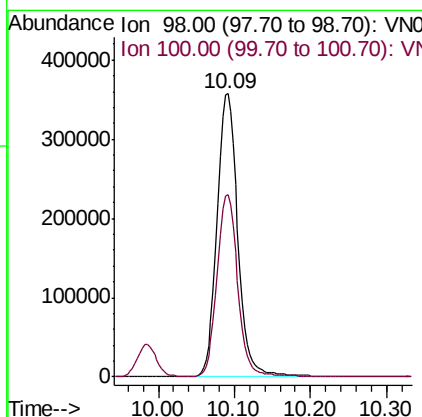
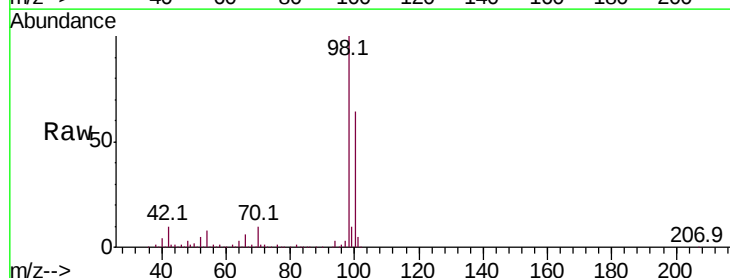
Manual Integrations
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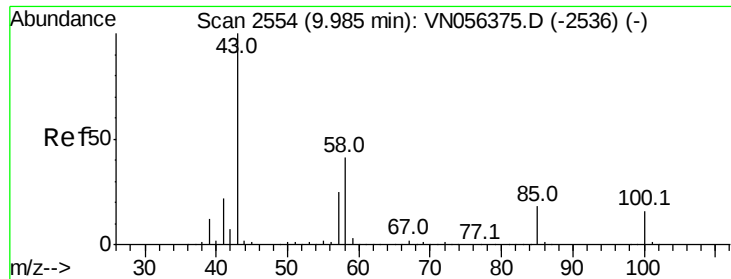
MMDadoda
6/21/2019 10:52:16 PM



#50
Toluene-d8
Concen: 48.969 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 99.155 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 43 Resp: 486772

Ion Ratio Lower Upper

43 100

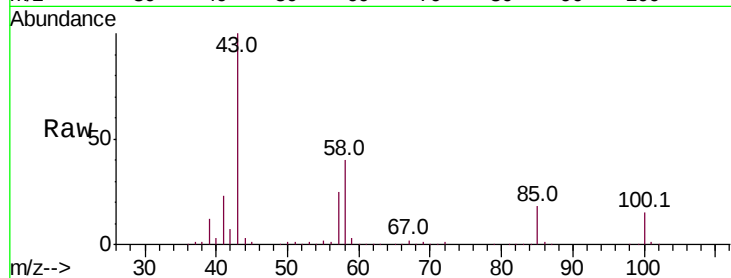
58 39.8 31.8 47.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

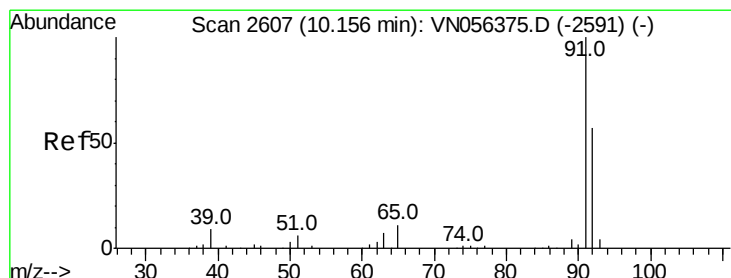
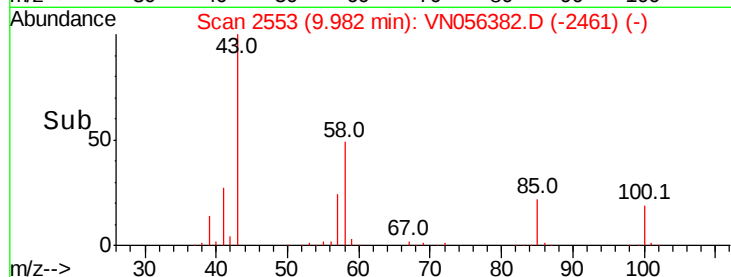
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.054 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056382.D

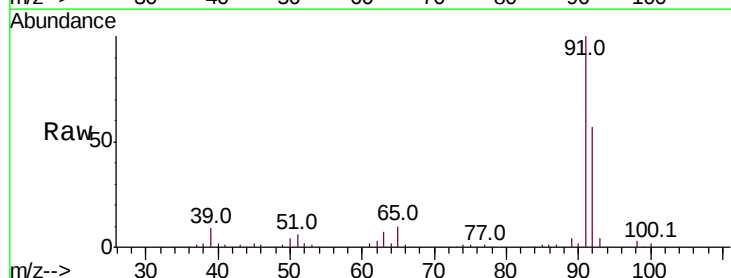
Acq: 19 Jun 2019 13:22

Tgt Ion: 92 Resp: 189294

Ion Ratio Lower Upper

92 100

91 172.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

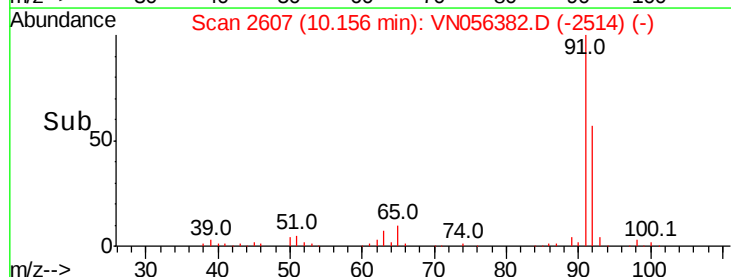
150000

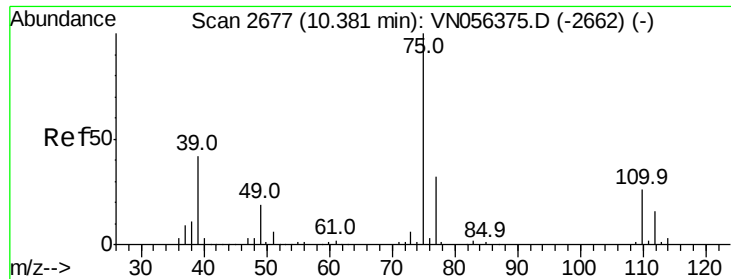
100000

50000

0

Time-->





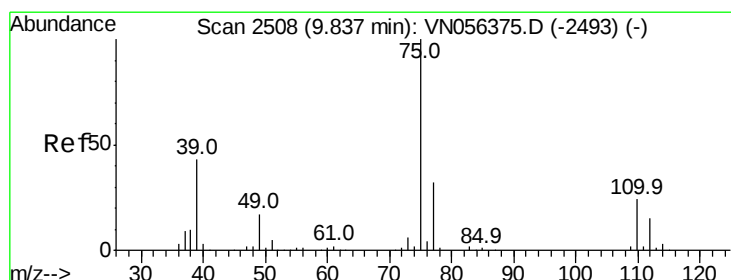
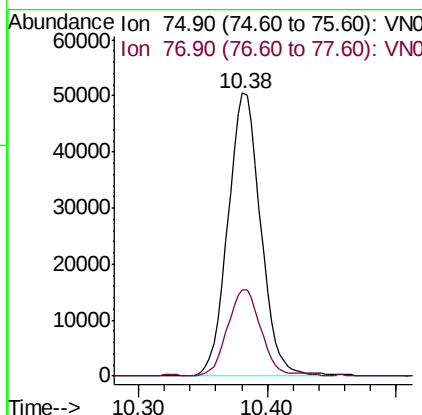
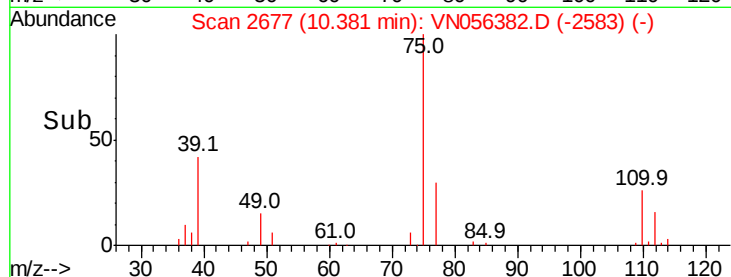
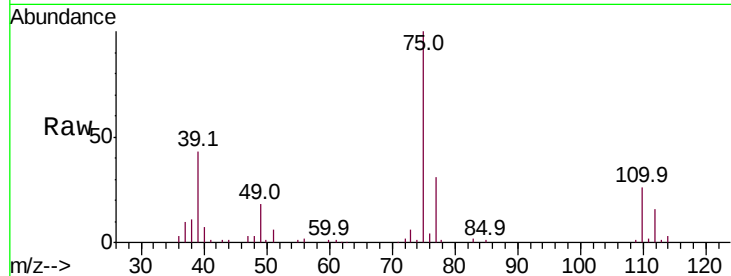
#53
t-1,3-Dichloropropene
Concen: 18.651 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion: 75 Resp: 89258
Ion Ratio Lower Upper
75 100
77 30.3 25.4 38.2

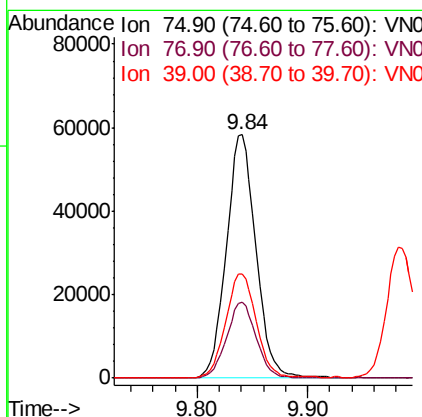
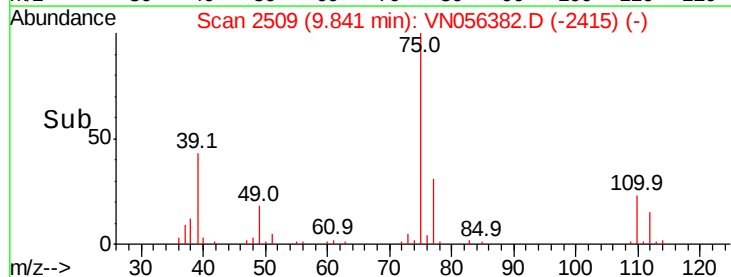
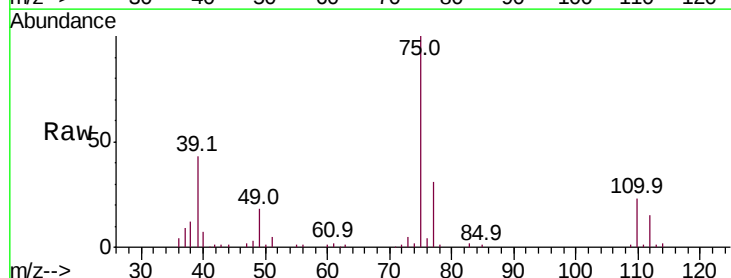
Manual Integrations
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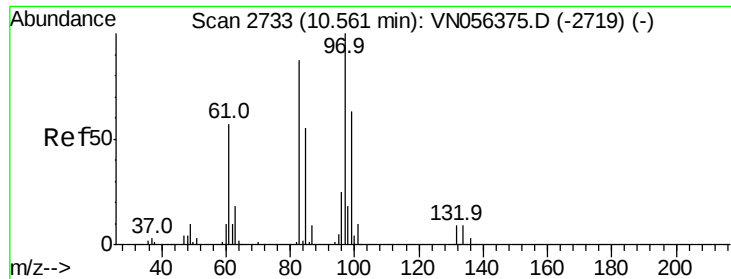
MMDadoda
6/21/2019 10:52:16 PM



#54
cis-1,3-Dichloropropene
Concen: 19.652 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 75 Resp: 108428
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
39 42.8 34.2 51.4





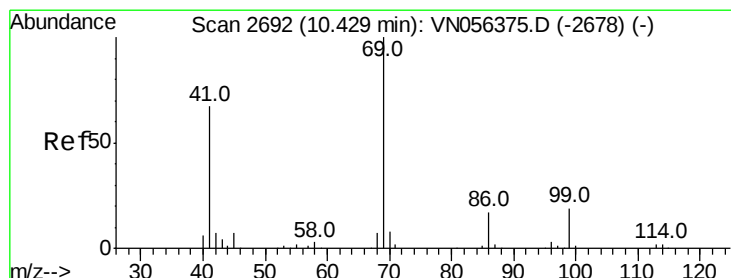
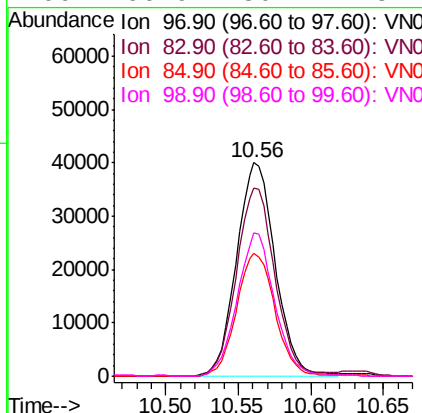
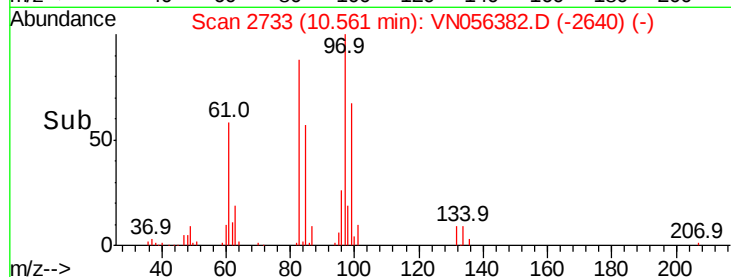
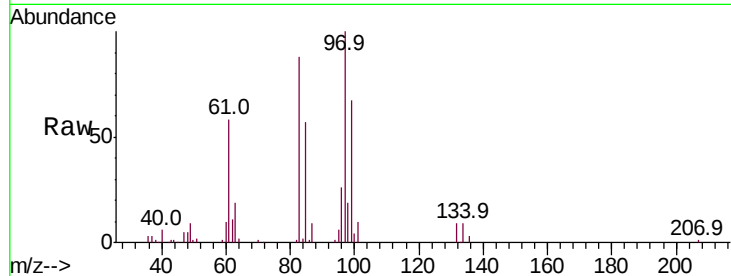
#55
1,1,2-Trichloroethane
Concen: 19.583 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.8	104.6
85	57.5	43.8	65.8
99	66.9	50.2	75.2

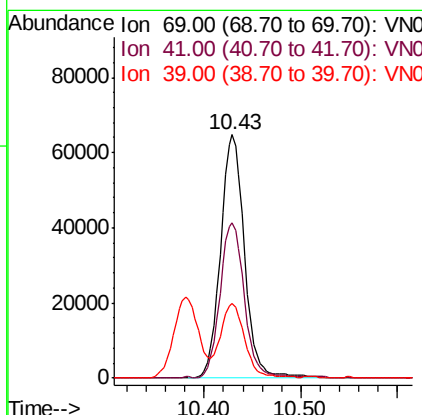
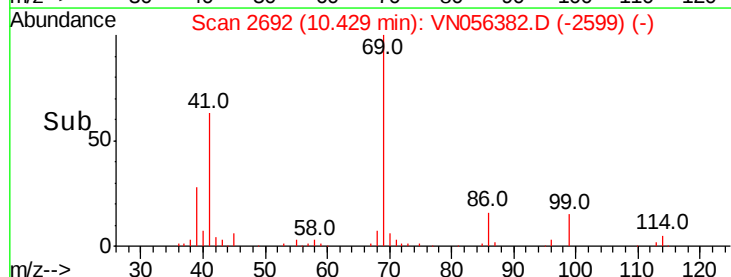
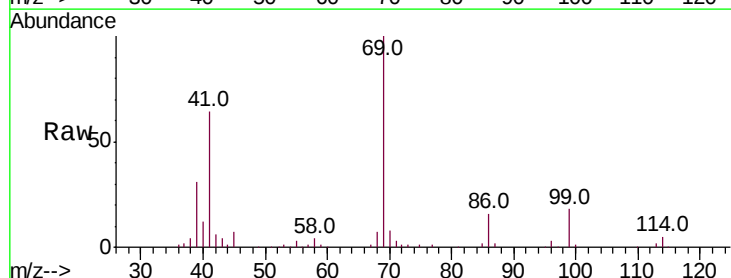
Manual Integrations
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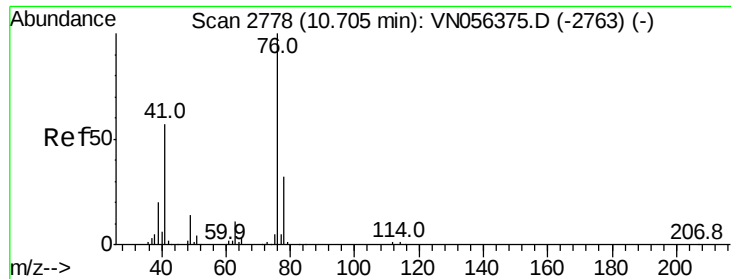
MMDadoda
6/21/2019 10:52:16 PM



#56
Ethyl methacrylate
Concen: 20.057 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.4	77.2
39	30.5	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.775 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS01

Tot Ion: 76 Resp: 126049

Ion Ratio Lower Upper

76 100

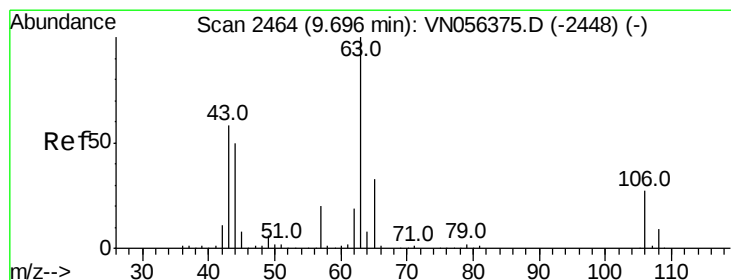
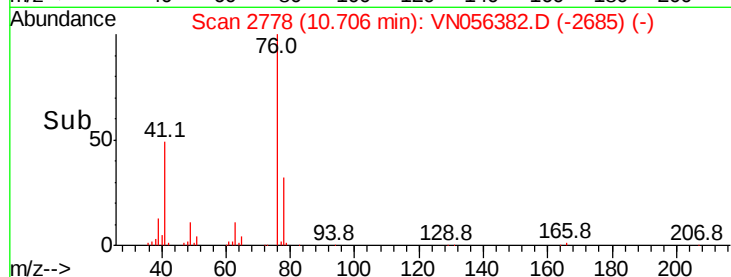
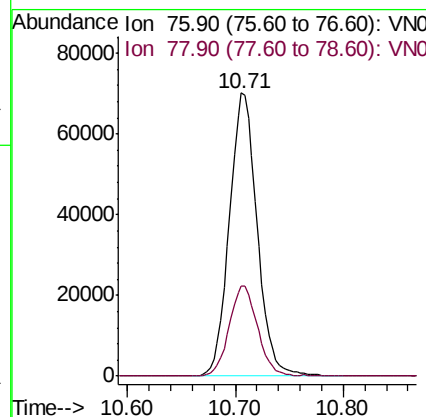
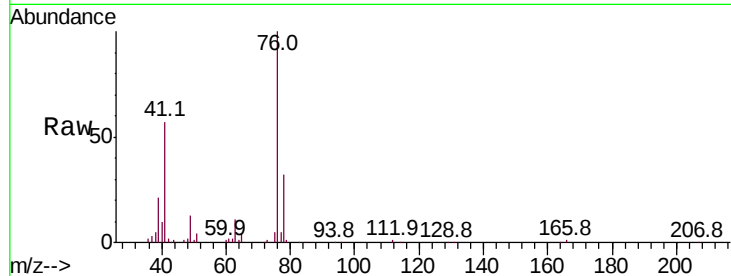
78 32.4 25.9 38.9

Manual Integrations

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MMDadoda

6/21/2019 10:52:16 PM



#58

2-Chloroethyl Vinyl ether

Concen: 89.613 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056382.D

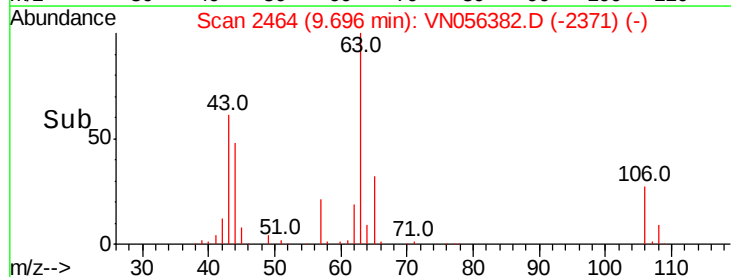
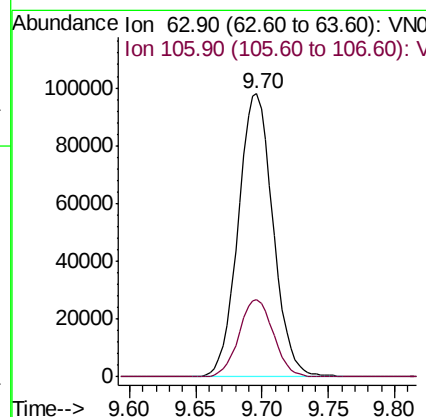
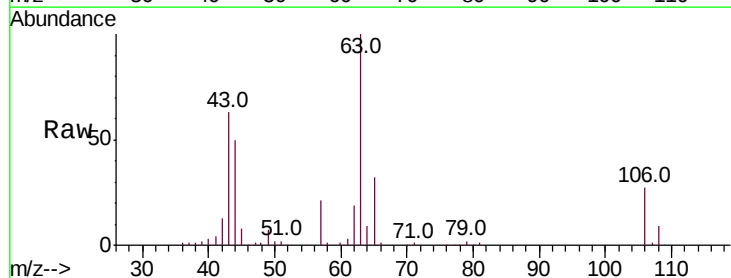
Acq: 19 Jun 2019 13:22

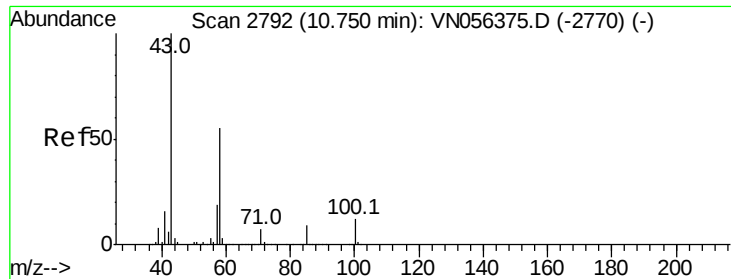
Tgt Ion: 63 Resp: 178512

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4





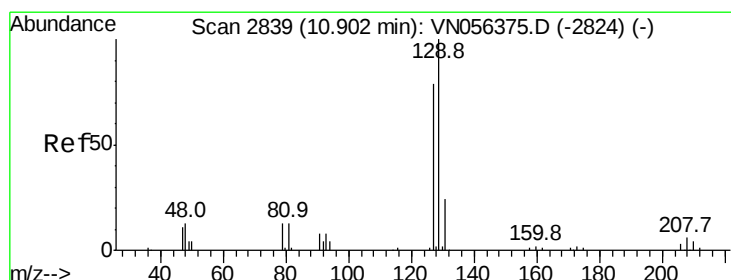
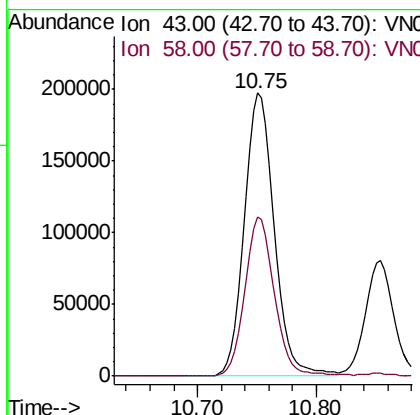
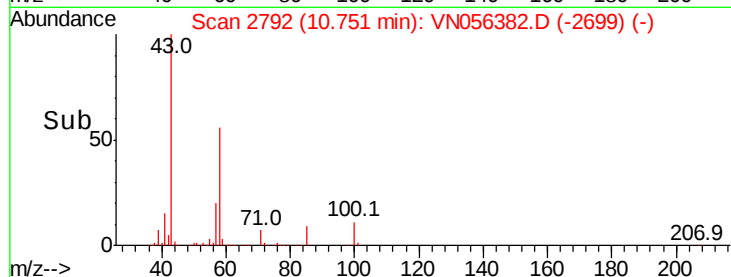
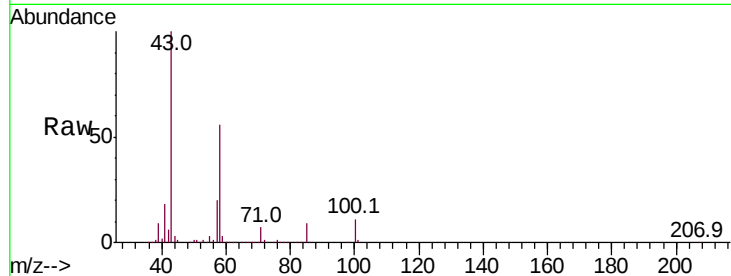
#59
2-Hexanone
Concen: 95.166 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion: 43 Resp: 343371
Ion Ratio Lower Upper
43 100
58 55.8 27.8 83.4

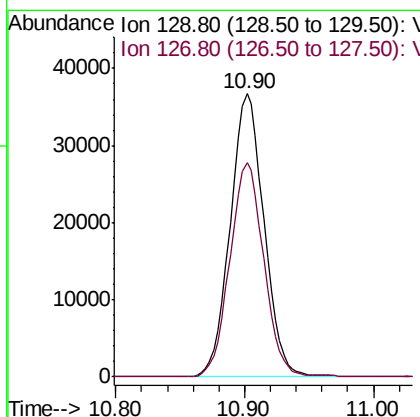
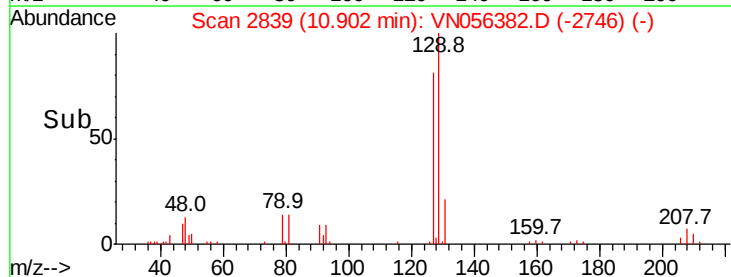
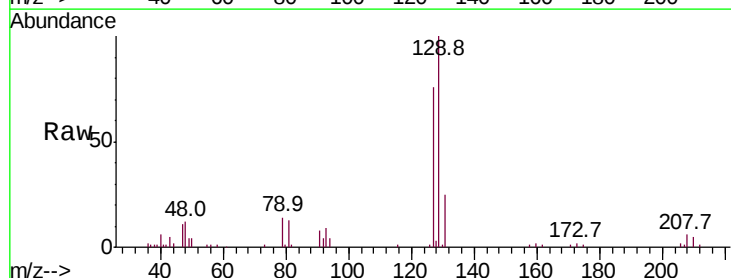
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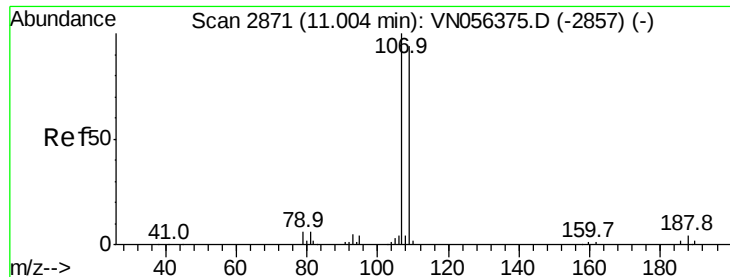
MMDadoda
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#60
Dibromochloromethane
Concen: 18.690 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 129 Resp: 66781
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.916 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:107 Resp: 77179

Ion Ratio Lower Upper

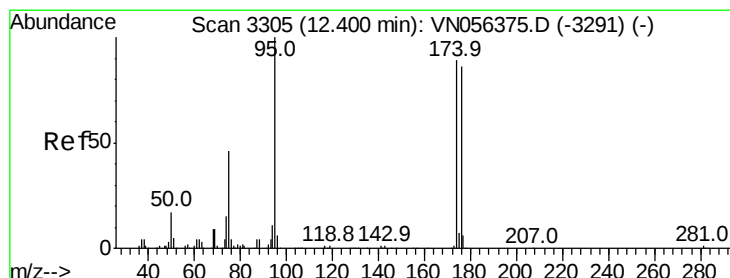
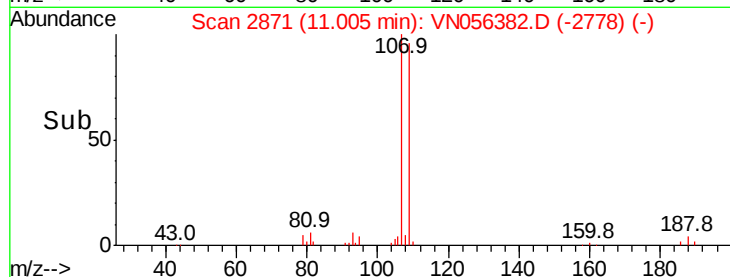
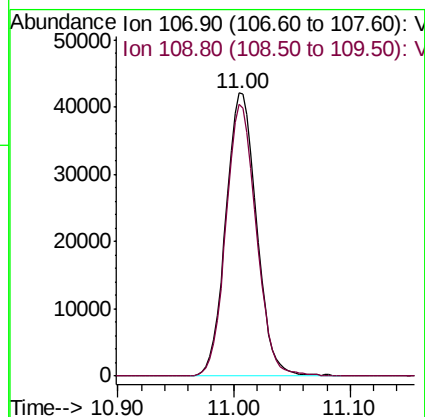
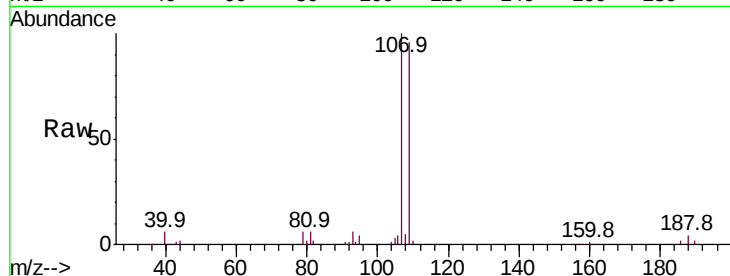
107 100

109 94.6 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 47.048 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

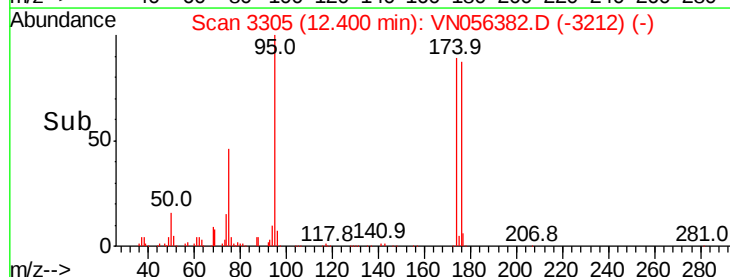
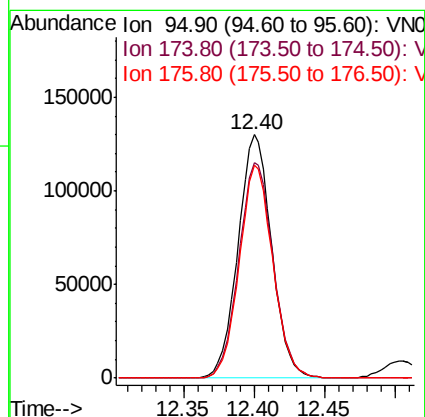
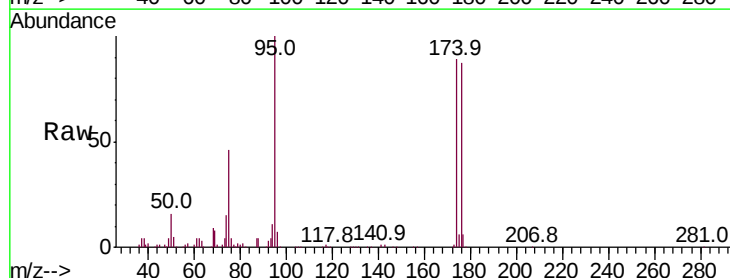
Tgt Ion: 95 Resp: 217102

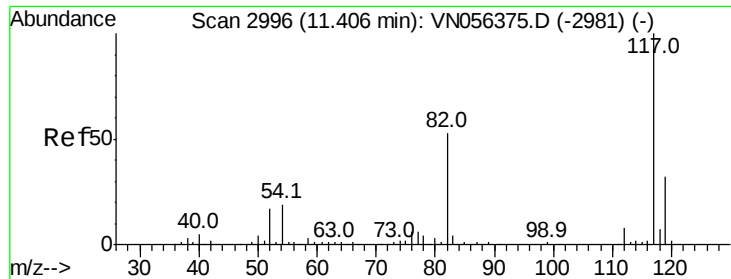
Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.4

176 87.4 0.0 173.4





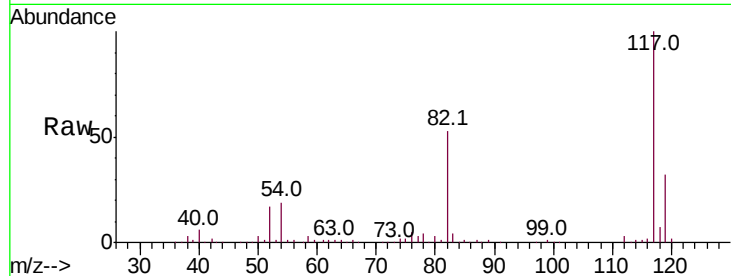
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.0	63.0
119	31.6	25.3	37.9

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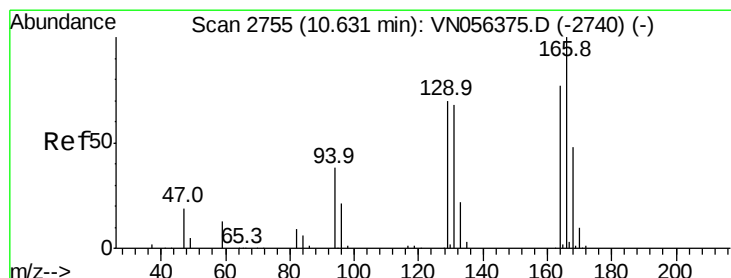
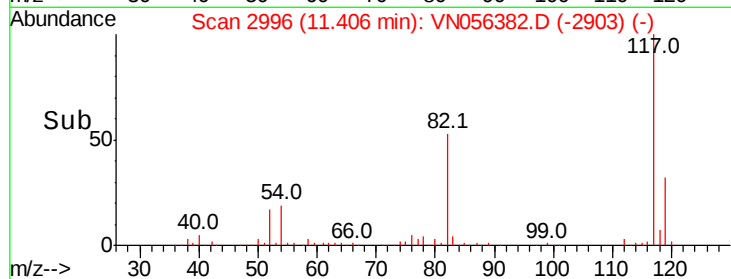
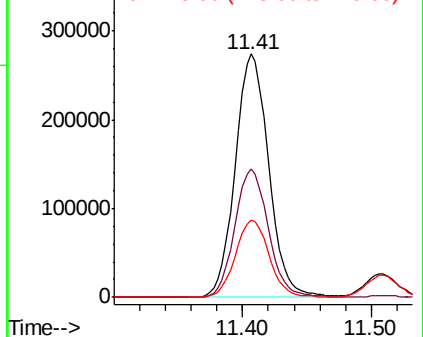


Abundance

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: 19.851 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	103.4	155.0
129	91.5	72.0	108.0
131	89.3	70.2	105.2

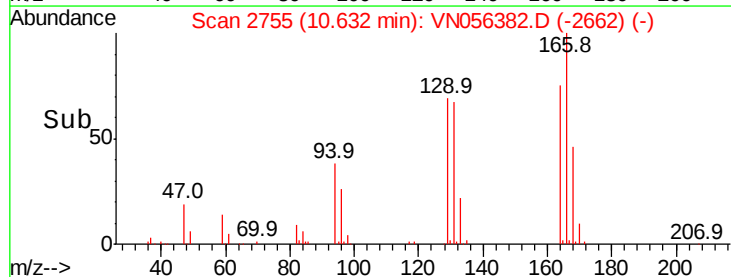
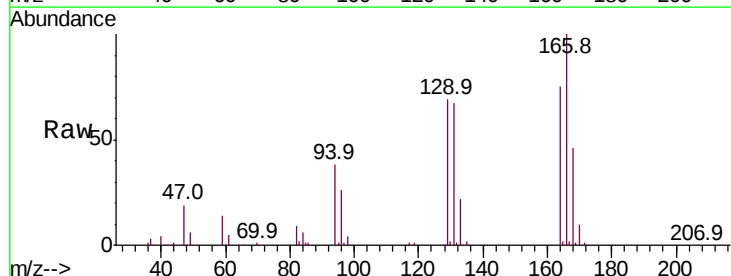
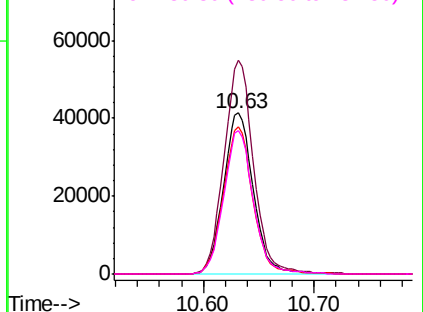
Abundance

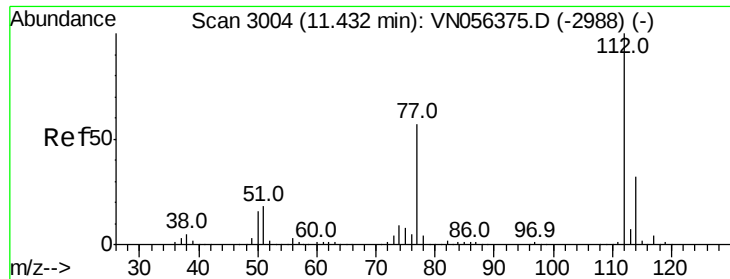
Ion 163.80 (163.50 to 164.50): V

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





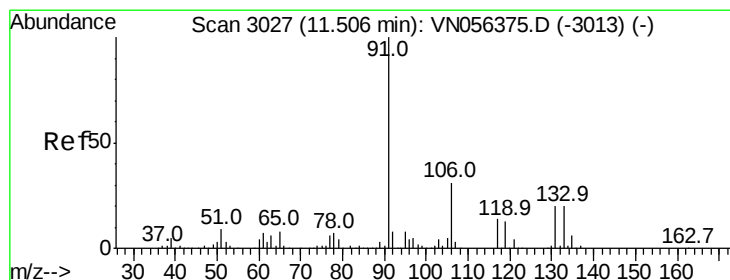
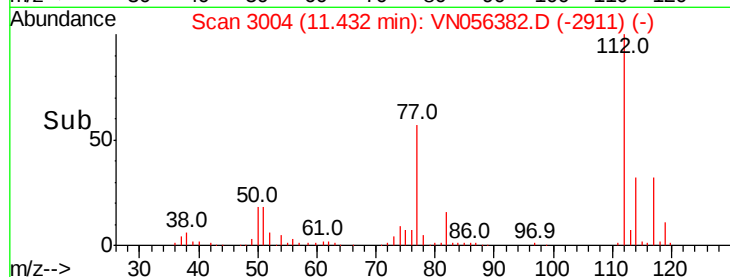
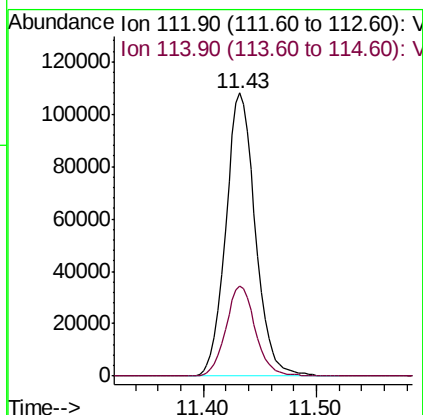
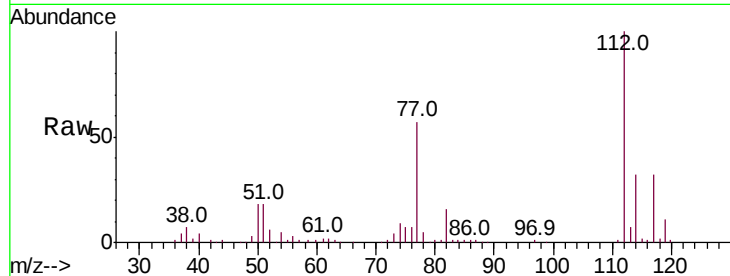
#65
Chlorobenzene
Concen: 19.715 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion:112 Resp: 195854
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

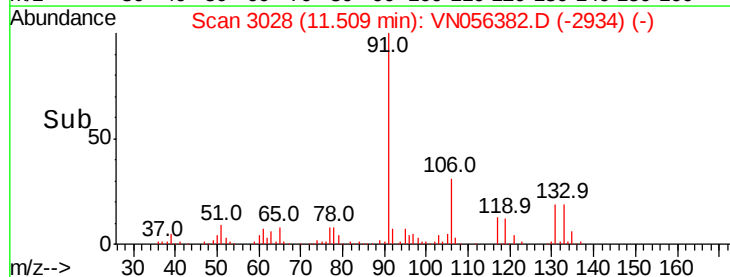
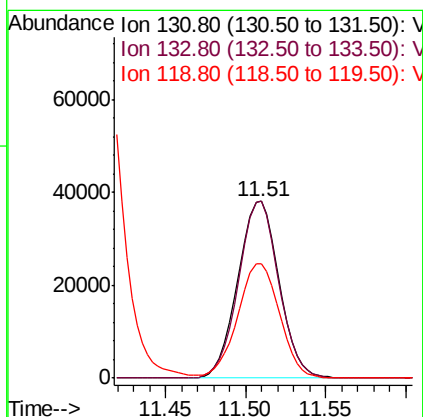
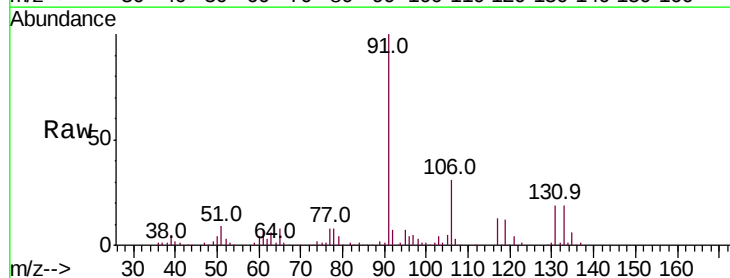
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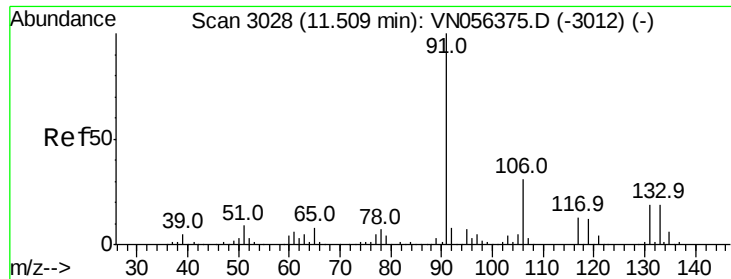
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.015 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion:131 Resp: 67201
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.2
119 65.9 32.8 98.4





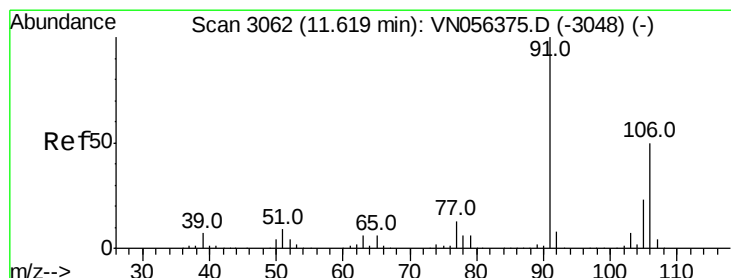
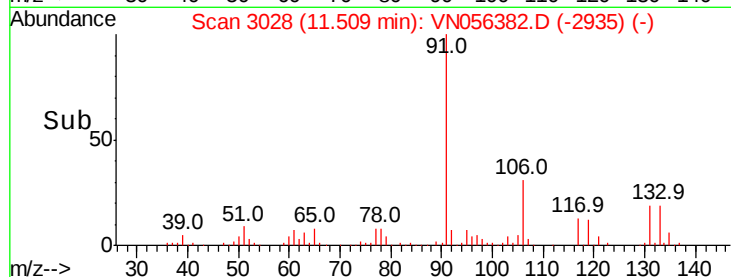
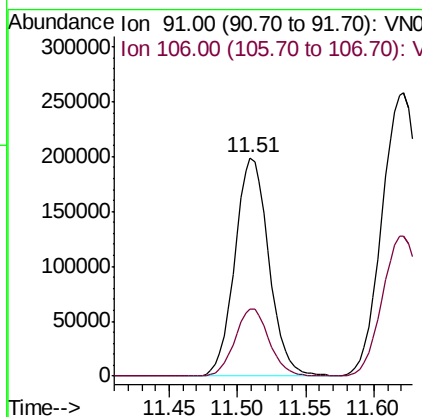
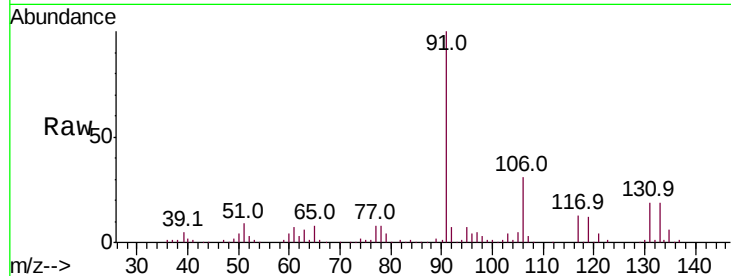
#67
Ethyl Benzene
Concen: 19.710 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion: 91 Resp: 343797
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7

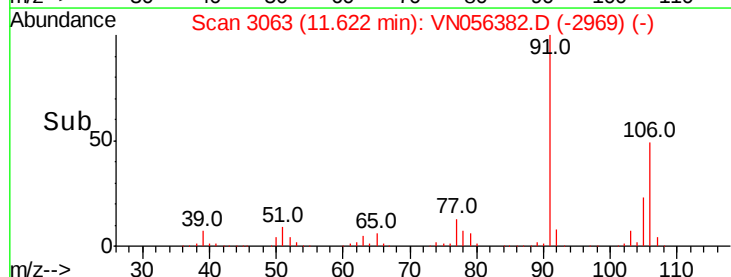
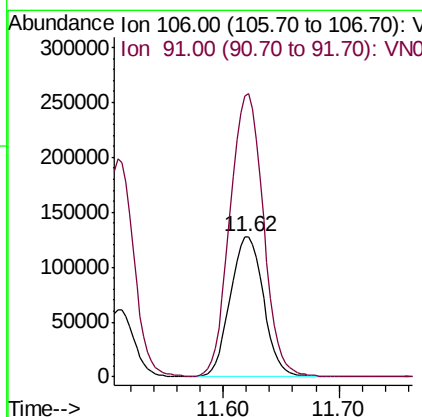
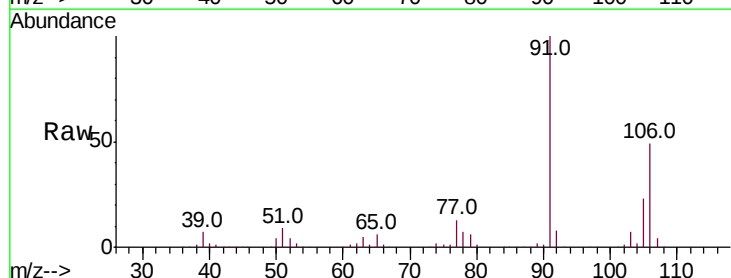
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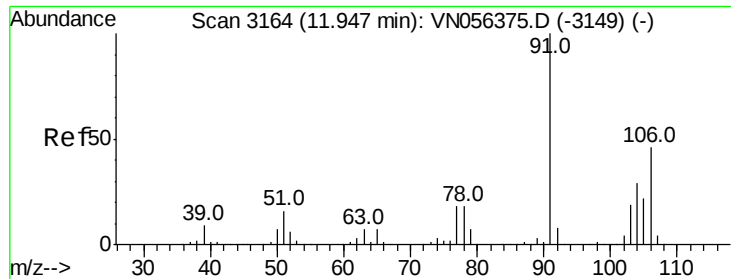
MMDadoda
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#68
m/p-Xylenes
Concen: 39.801 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 106 Resp: 254422
Ion Ratio Lower Upper
106 100
91 203.0 160.1 240.1





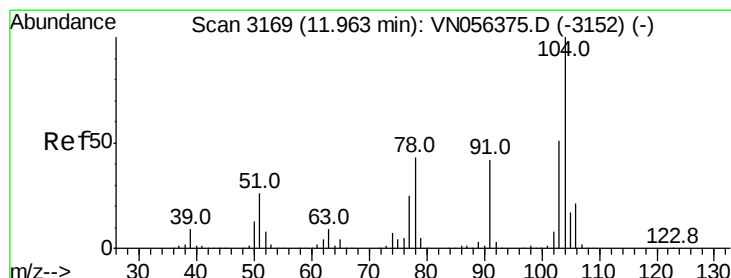
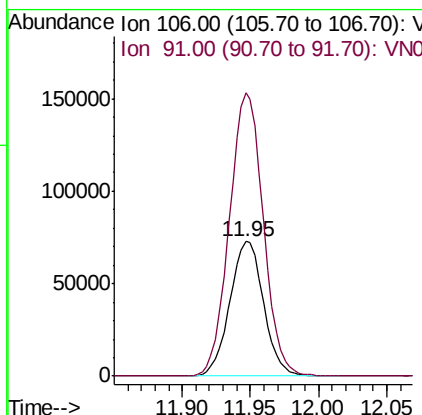
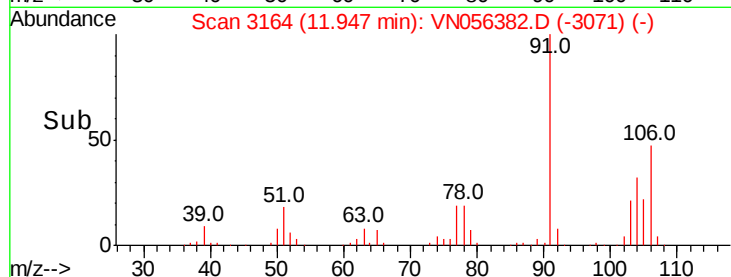
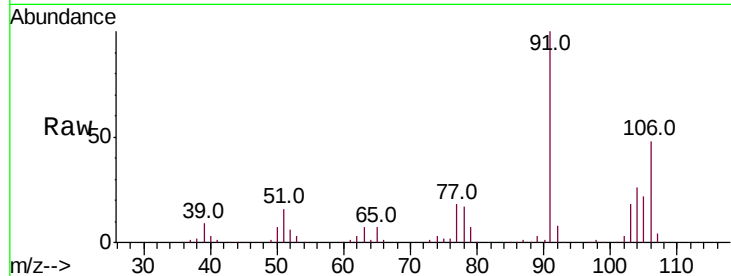
#69
o-Xylene
Concen: 19.735 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion:106 Resp: 124808
Ion Ratio Lower Upper
106 100
91 211.9 107.1 321.3

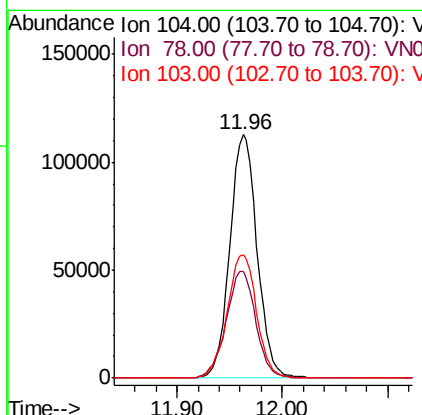
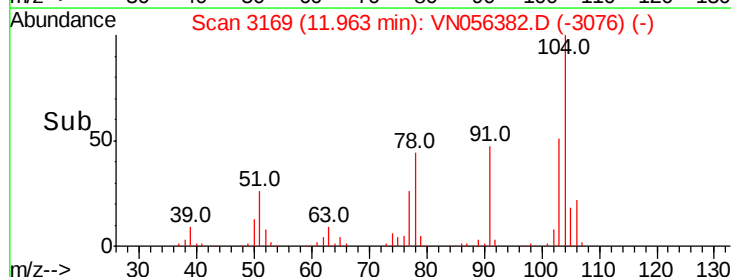
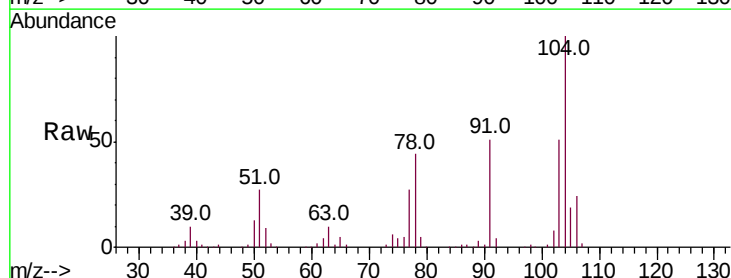
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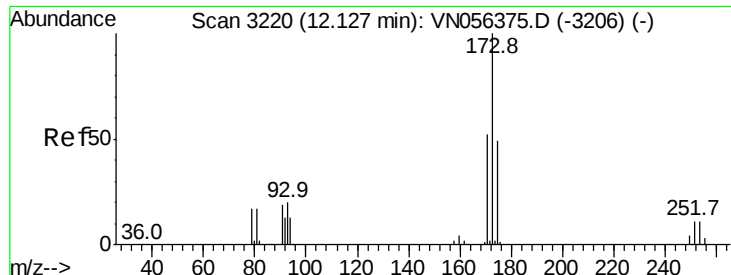
MMDadoda
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#70
Styrene
Concen: 19.977 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion:104 Resp: 201941
Ion Ratio Lower Upper
104 100
78 47.5 38.6 57.8
103 54.7 43.9 65.9





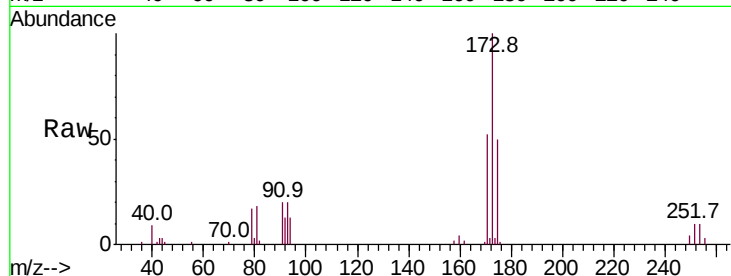
#71
Bromoform
Concen: 18.186 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

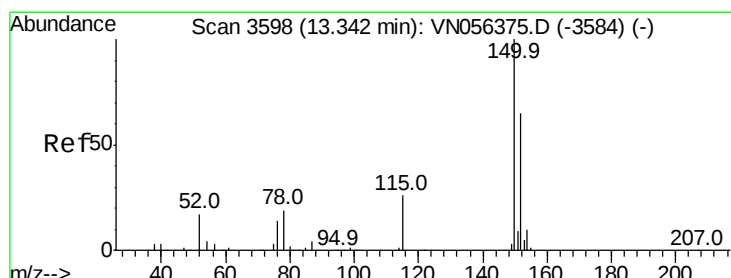
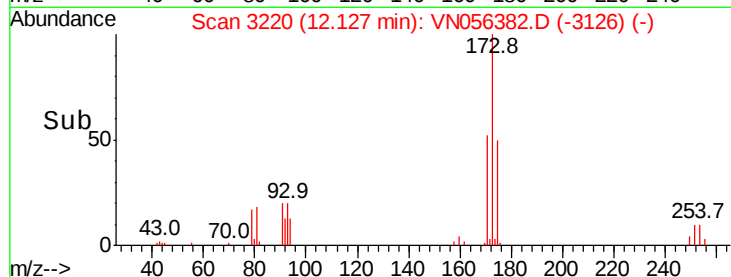
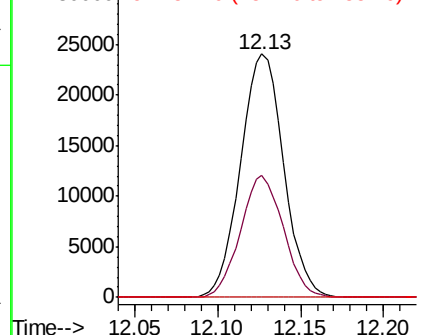
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.4
254	0.0	0.0	0.0

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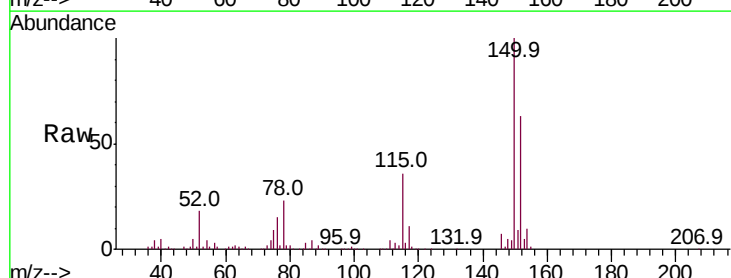


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

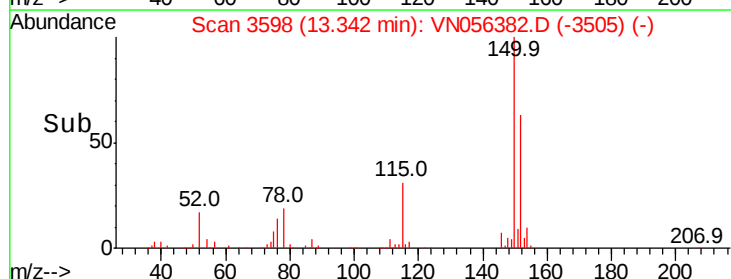
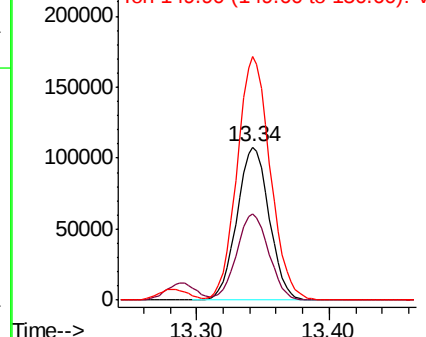


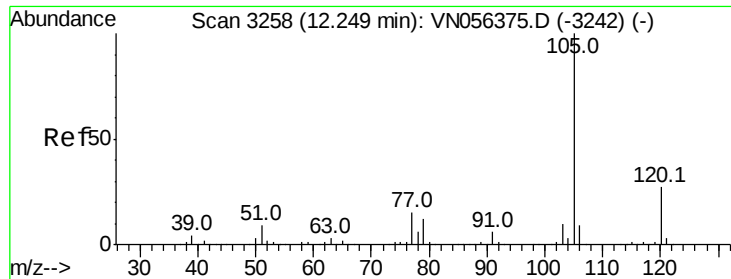
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.1	84.4
150	163.4	0.0	348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





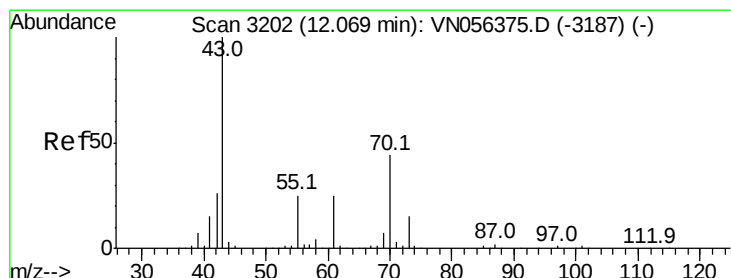
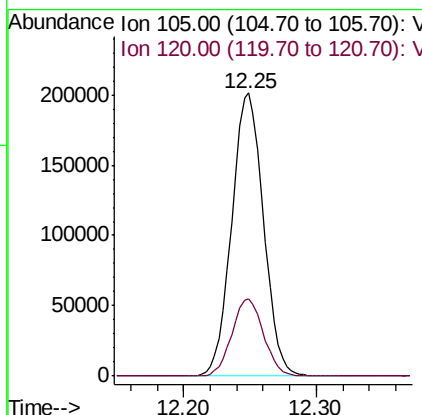
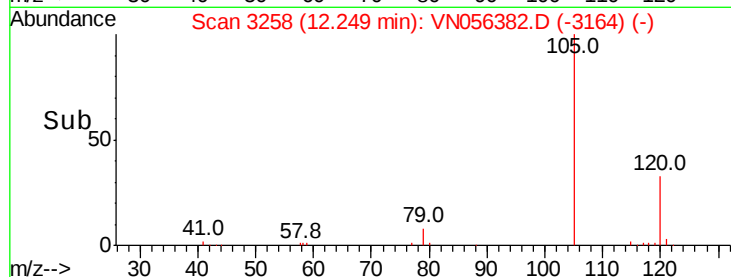
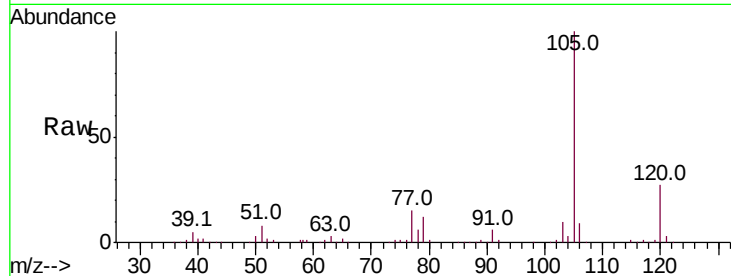
#73
Isopropylbenzene
Concen: 22.977 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 105 Resp: 334135
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2

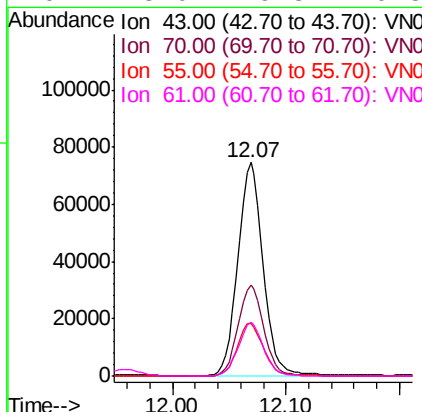
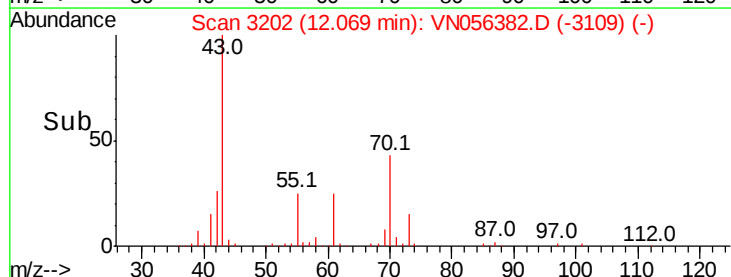
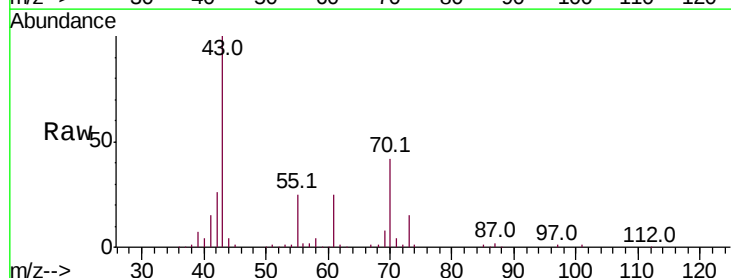
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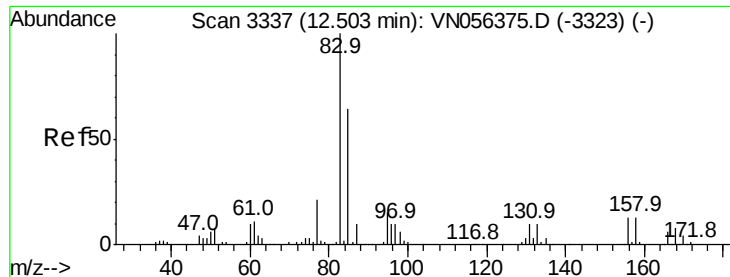
MMDadoda
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#74
N-ethyl acetate
Concen: 20.143 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 43 Resp: 116736
Ion Ratio Lower Upper
43 100
70 43.0 34.9 52.3
55 25.4 20.4 30.6
61 25.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.891 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

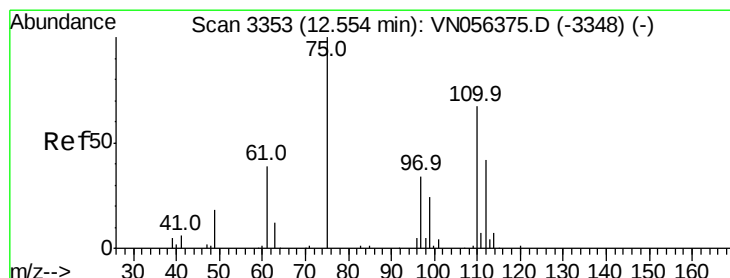
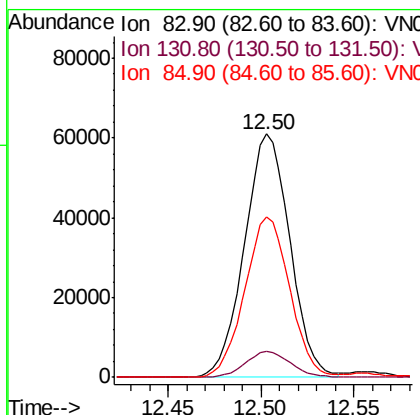
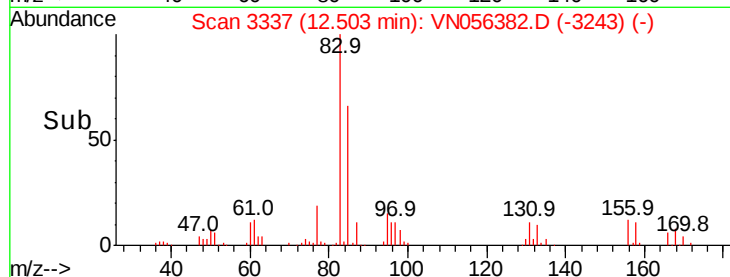
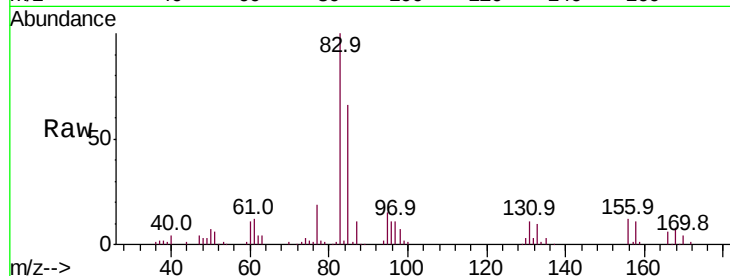
ClientSampled :

VN0619WBS01

Tot Ion:	83	Resp:	103984
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	65.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.305 ug/l m

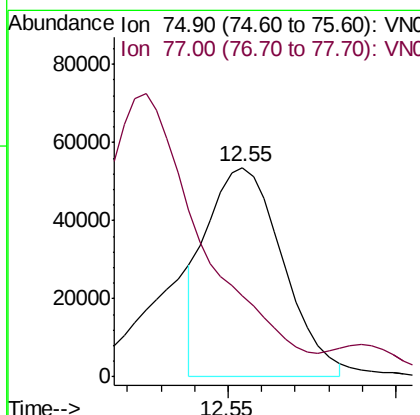
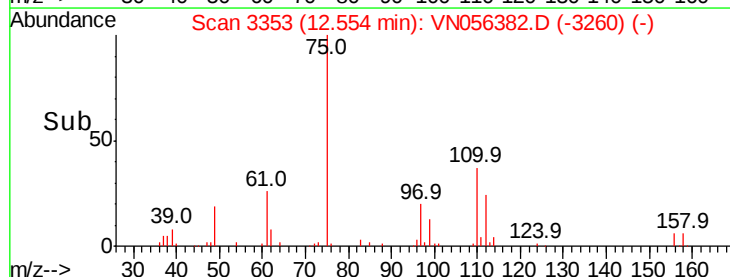
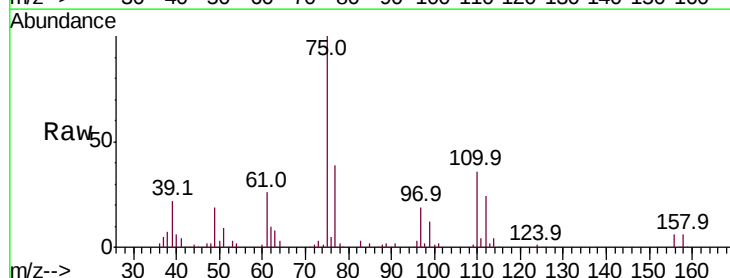
RT: 12.55 min Scan# 3353

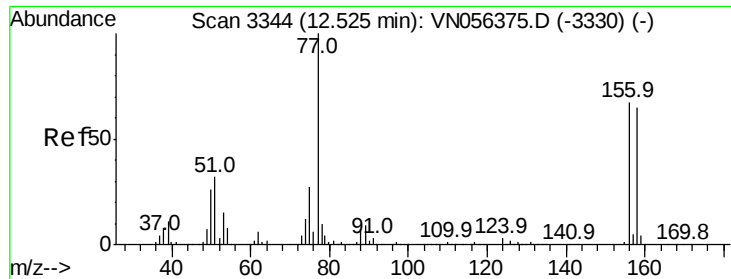
Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion:	75	Resp:	84220
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.458 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:156 Resp: 83298

Ion Ratio Lower Upper

156 100

77 187.5 92.5 277.3

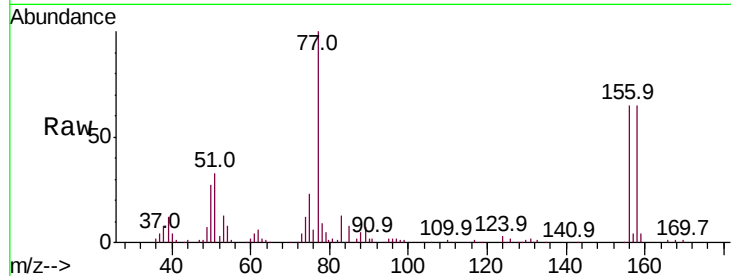
158 98.9 48.7 146.1

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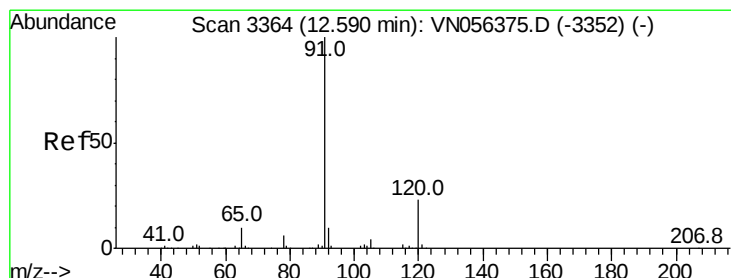
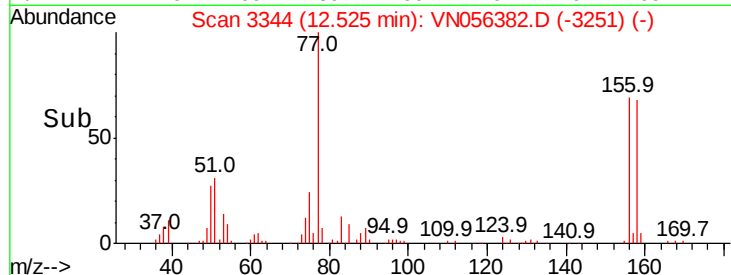
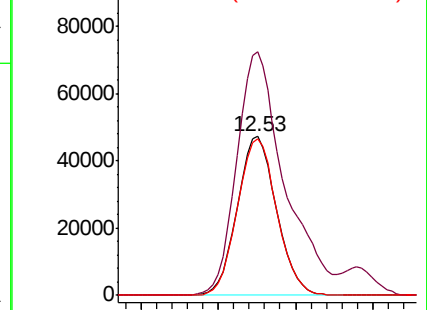
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.557 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056382.D

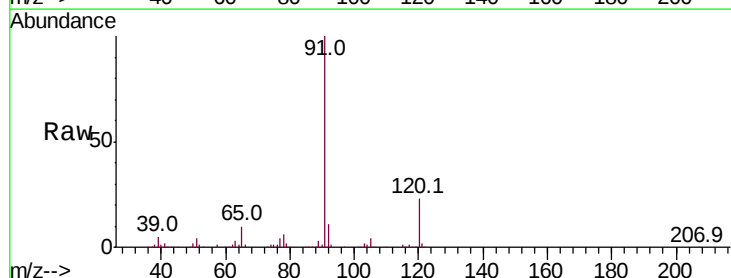
Acq: 19 Jun 2019 13:22

Tgt Ion: 91 Resp: 342802

Ion Ratio Lower Upper

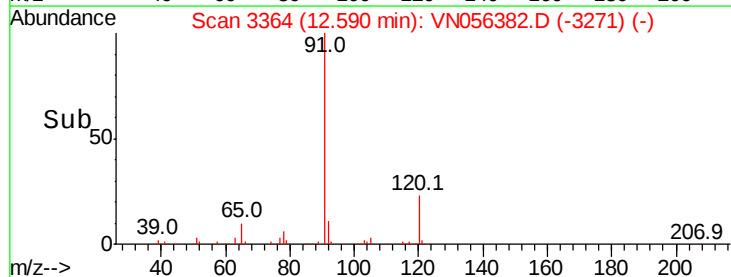
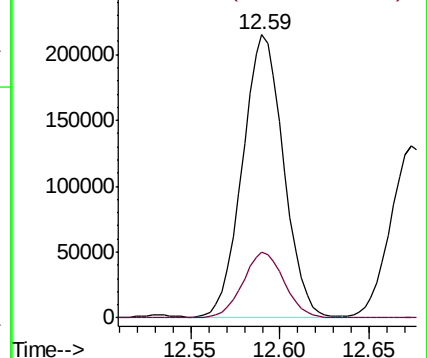
91 100

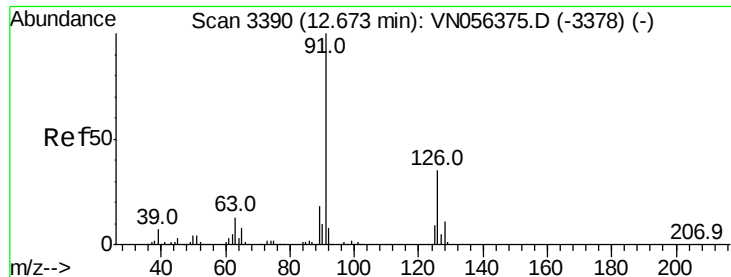
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.264 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS01

Tot Ion: 91 Resp: 216418

Ion Ratio Lower Upper

91 100

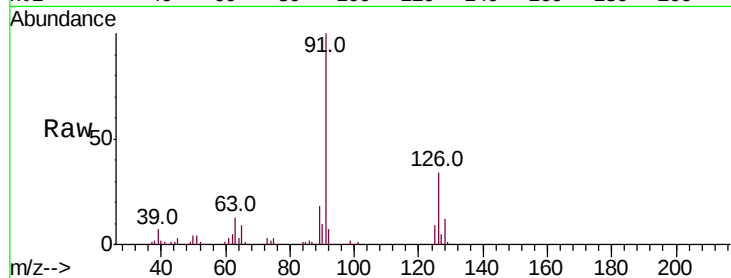
126 35.3 17.6 52.8

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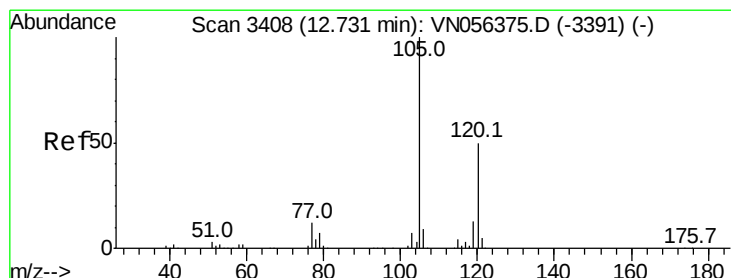
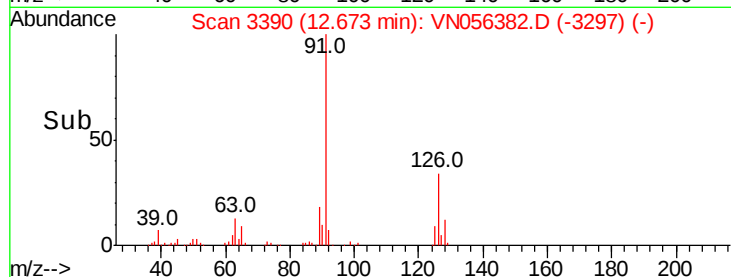
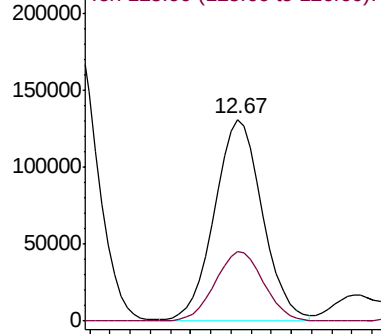
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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.115 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056382.D

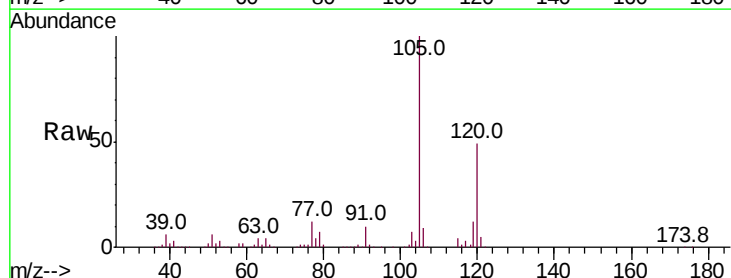
Acq: 19 Jun 2019 13:22

Tgt Ion: 105 Resp: 267887

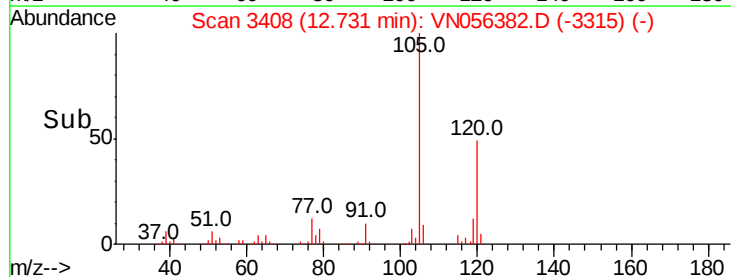
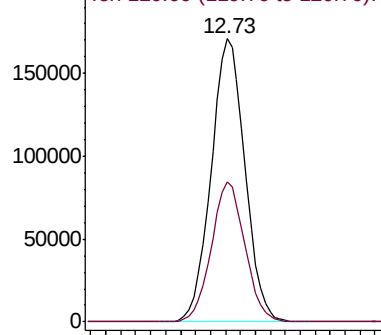
Ion Ratio Lower Upper

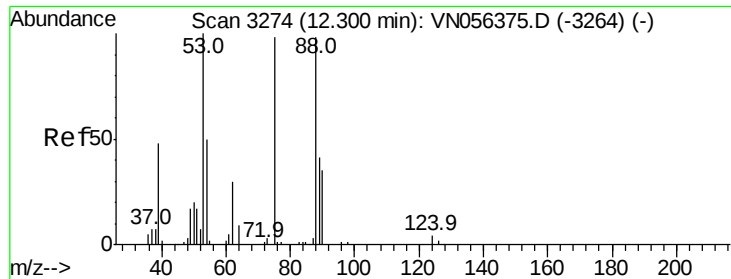
105 100

120 49.1 24.8 74.4



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





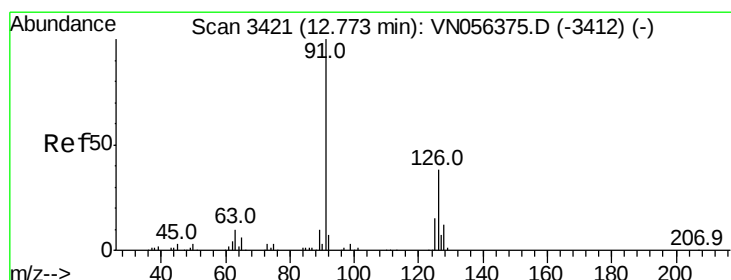
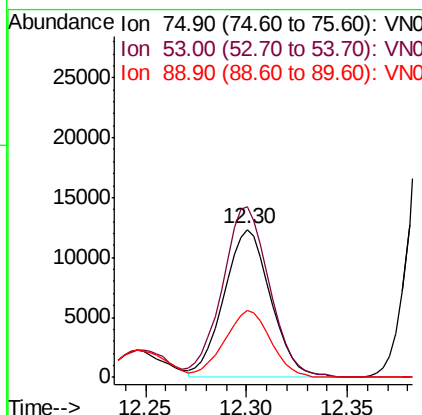
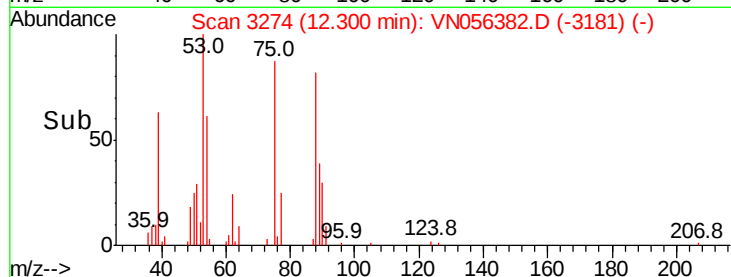
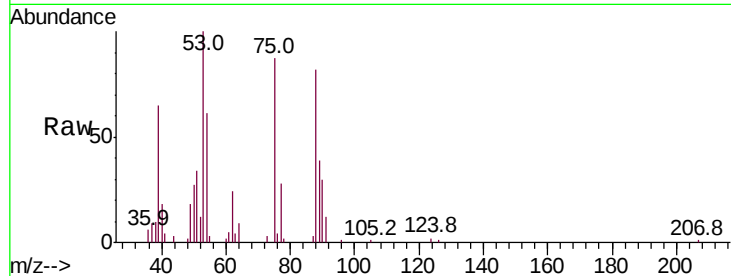
#81
trans-1,4-Dichloro-2-butene
Concen: 18.830 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.8	83.9	125.9
89	44.8	35.0	52.6

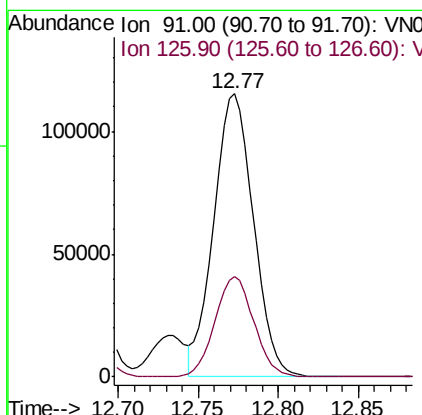
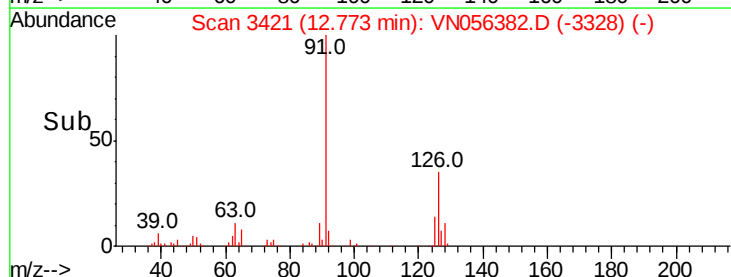
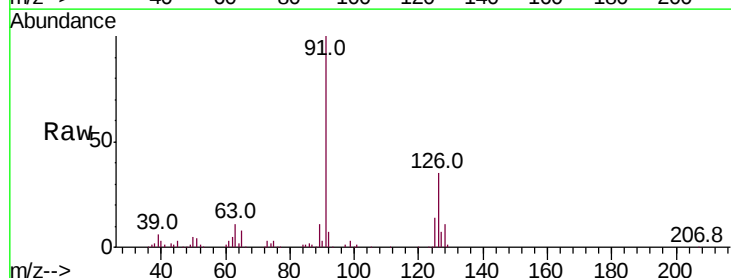
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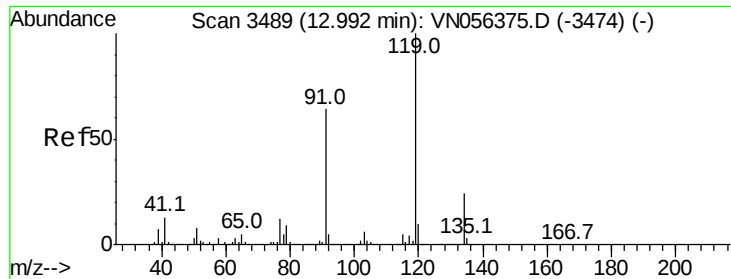
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#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0





#83

tert-Butylbenzene

Concen: 22.508 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

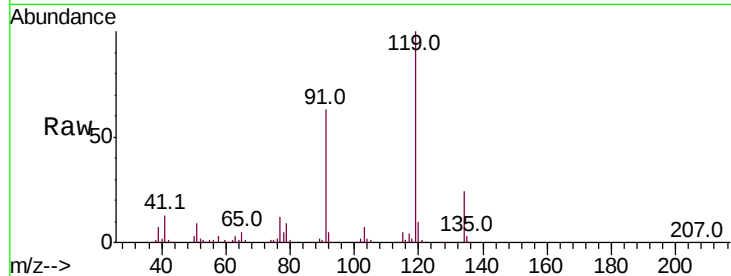
ClientSampled :

VN0619WBS01

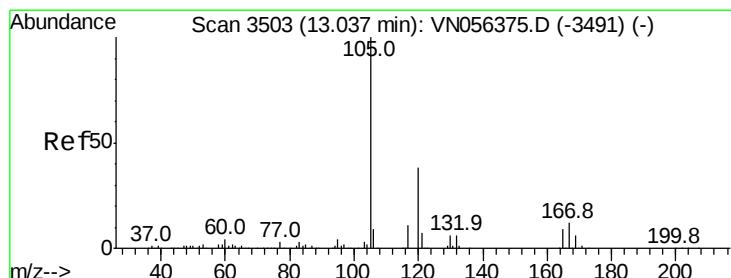
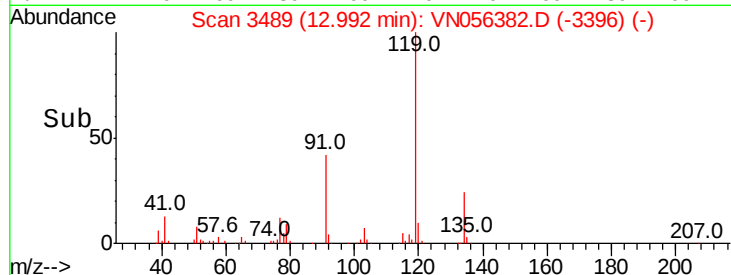
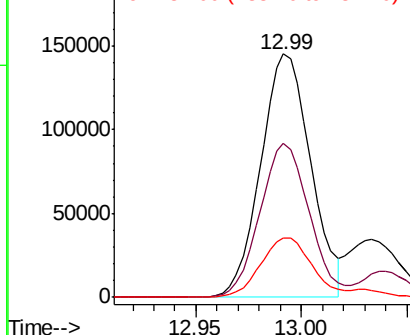
Tot Ion:	119	Resp:	239918
Ion Ratio	Lower	Upper	
119	100		
91	62.3	31.6	94.7
134	25.0	13.2	39.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.827 ug/l

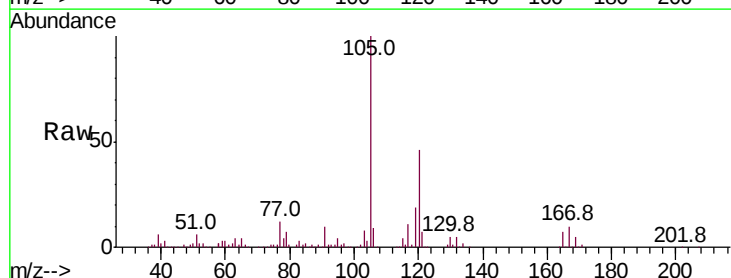
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

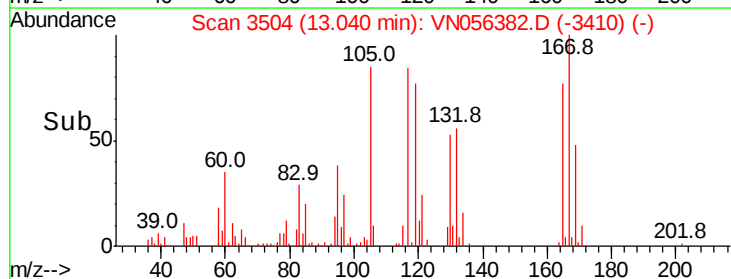
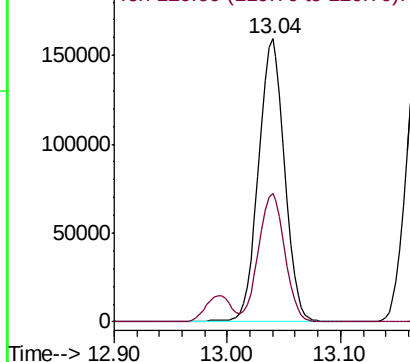
Lab File: VN056382.D

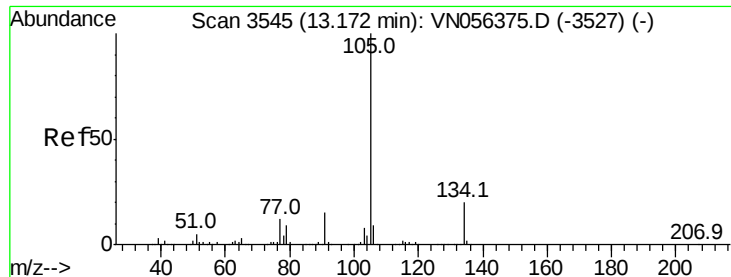
Acq: 19 Jun 2019 13:22

Tgt Ion:	105	Resp:	255316
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





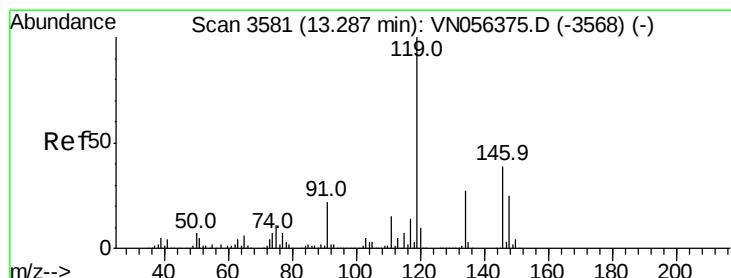
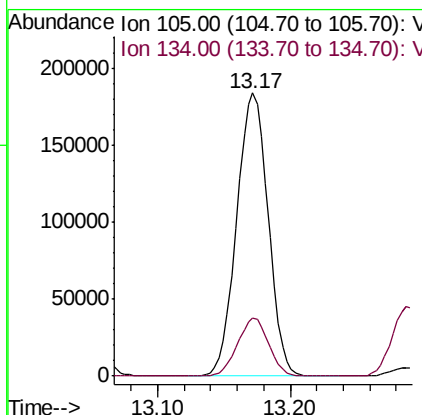
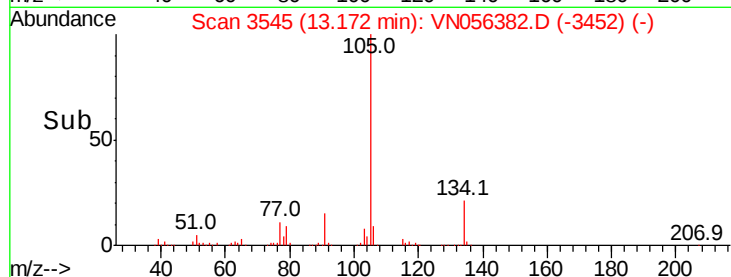
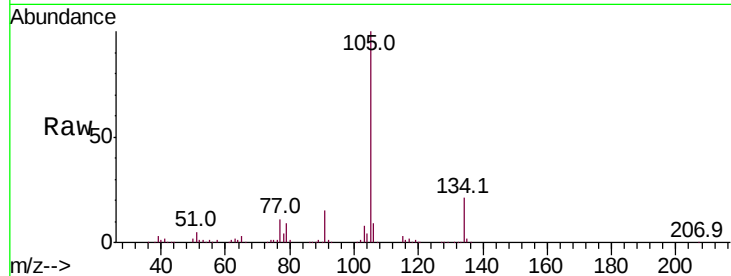
#85
 sec-Butylbenzene
 Concen: 20.704 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

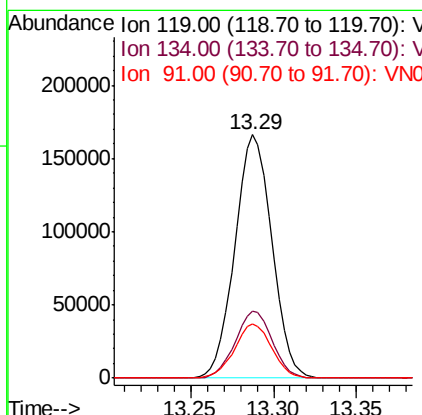
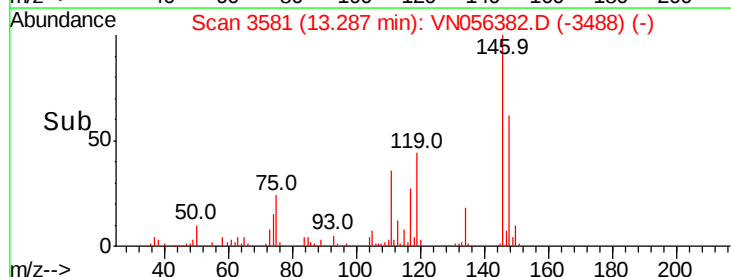
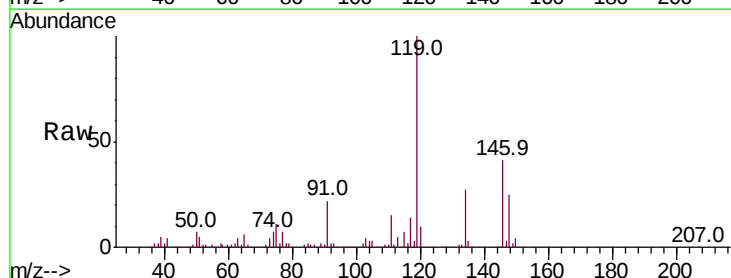
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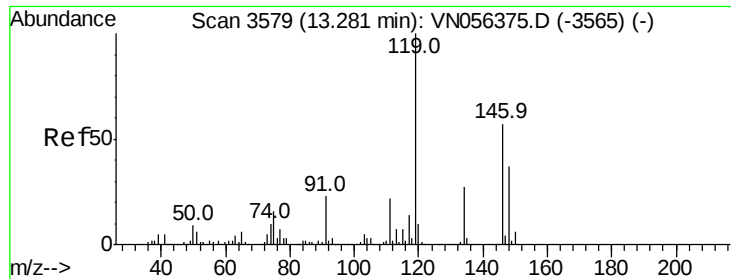
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#86
 p-Isopropyltoluene
 Concen: 20.561 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.4
91	22.3	11.2	33.5





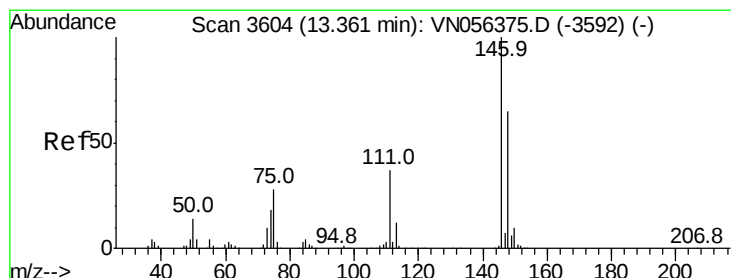
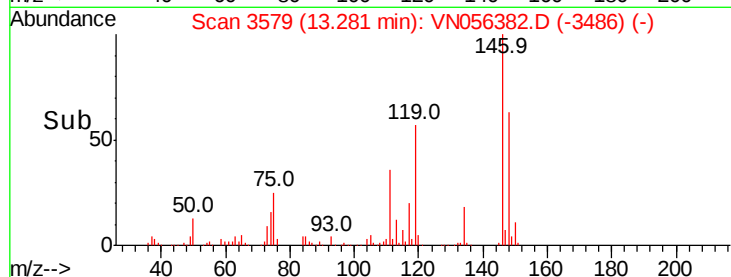
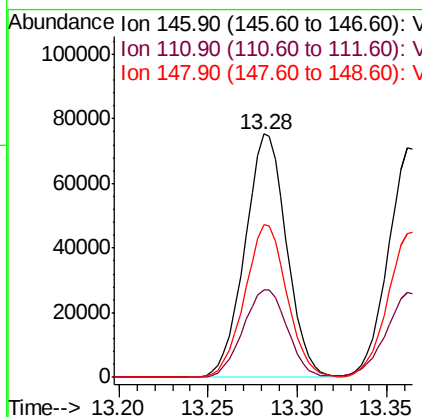
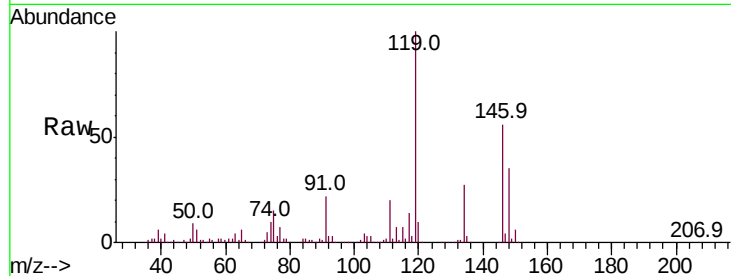
#87
 1,3-Dichlorobenzene
 Concen: 19.930 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122981		
111	38.0	18.9	56.9	
148	63.4	32.1	96.5	

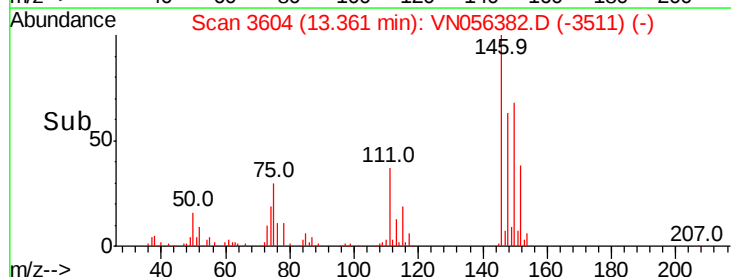
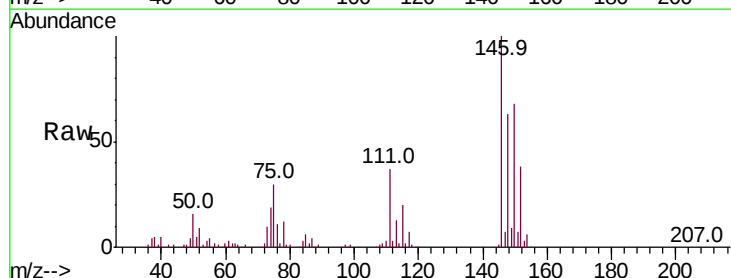
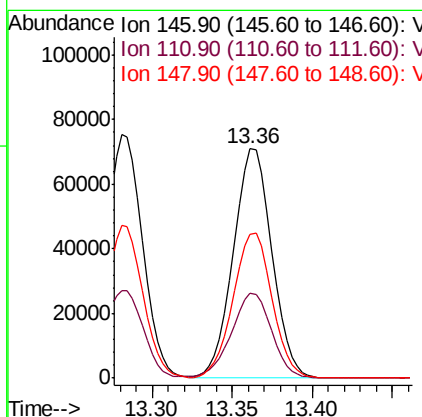
Manual Integrations
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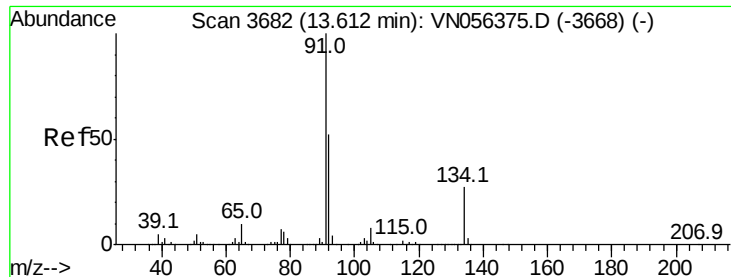
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#88
 1,4-Dichlorobenzene
 Concen: 19.547 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	116811		
111	38.5	18.4	55.4	
148	64.0	32.4	97.0	





#89

n-Butylbenzene

Concen: 18.410 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

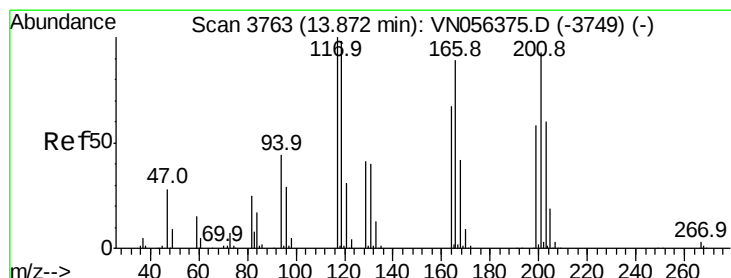
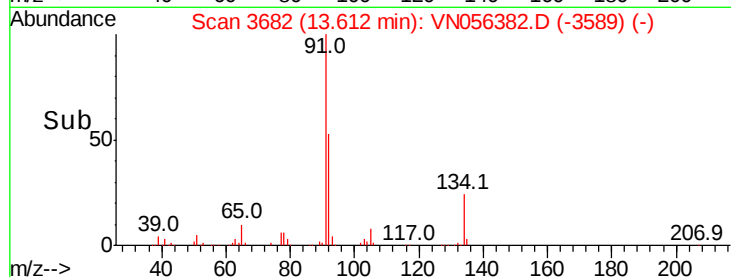
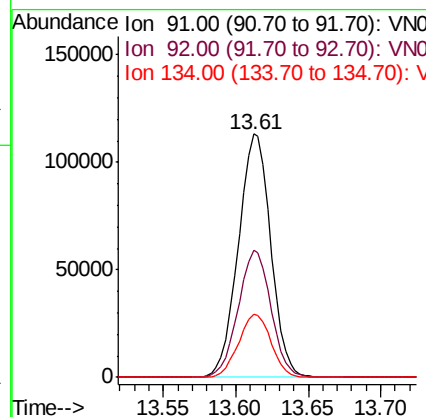
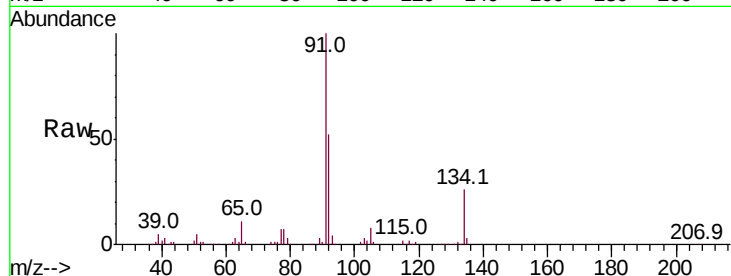
ClientSampleId :

VN0619WBS01

Tot Ion:	91	Resp:	175310
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.2	78.5
134	26.0	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 19.908 ug/l

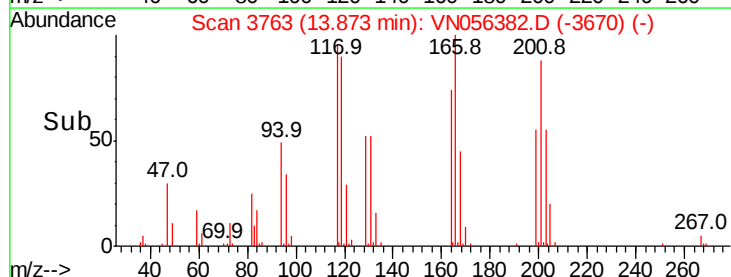
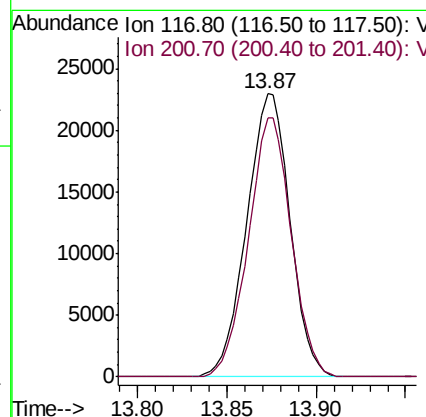
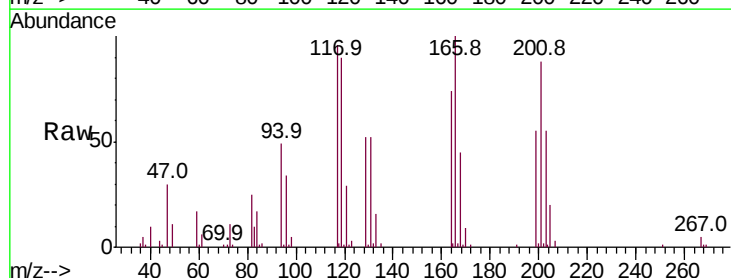
RT: 13.87 min Scan# 3763

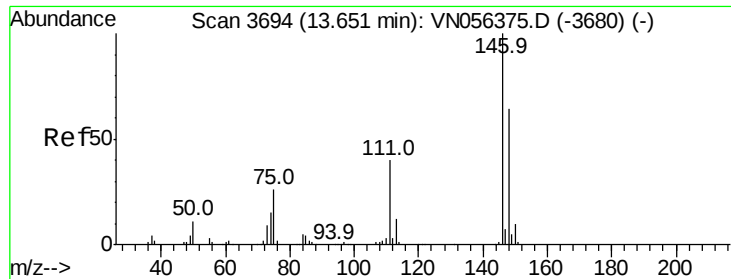
Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion:	117	Resp:	39042
Ion Ratio	Lower	Upper	
117	100		
201	90.5	45.9	137.6





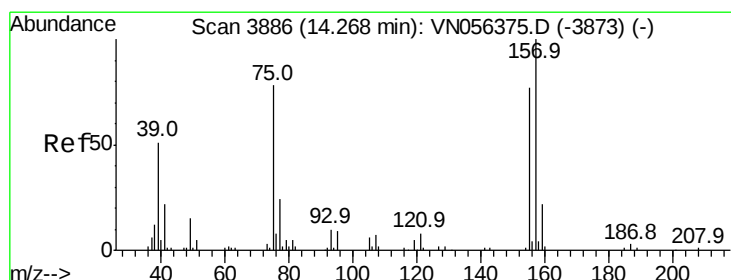
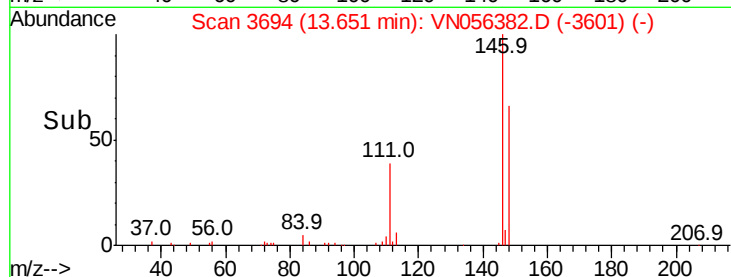
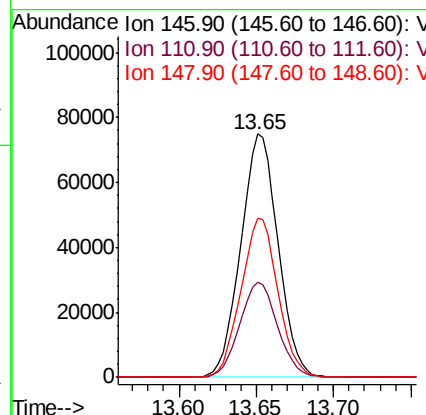
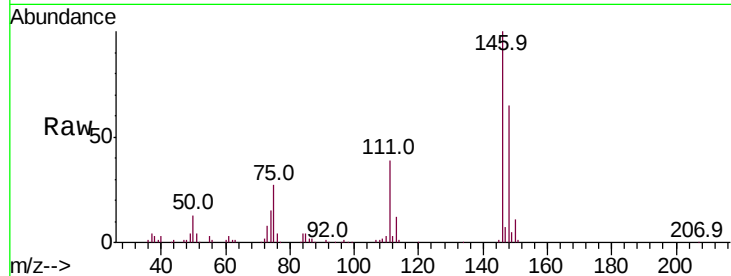
#91
 1,2-Dichlorobenzene
 Concen: 20.467 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	64.7	32.0	96.0

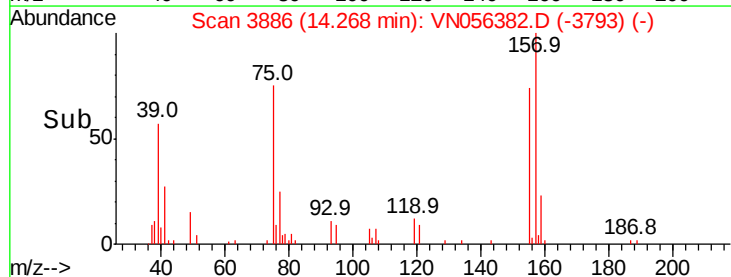
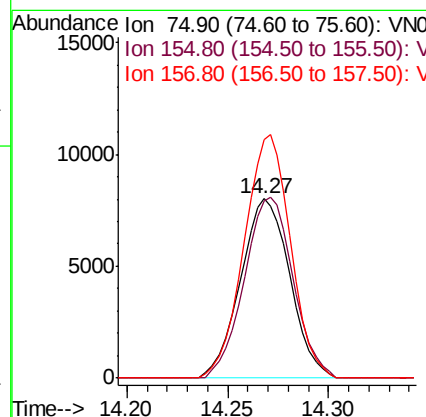
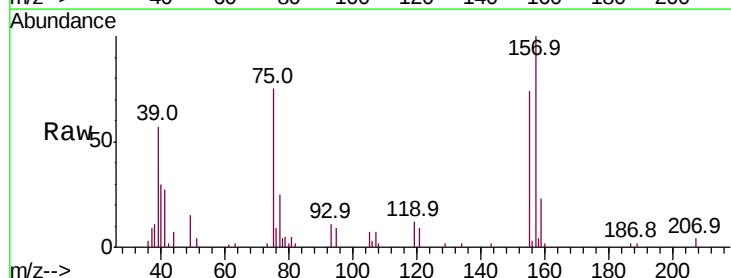
Manual Integrations
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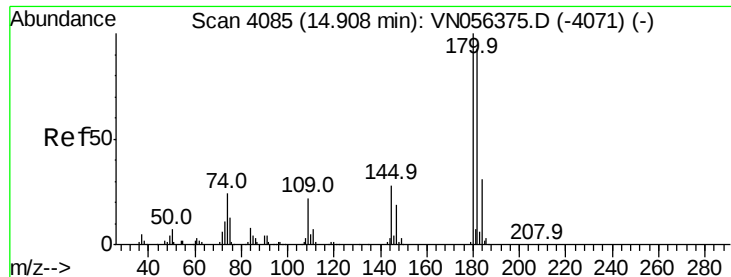
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.391 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	48.9	146.8
157	127.5	62.9	188.8





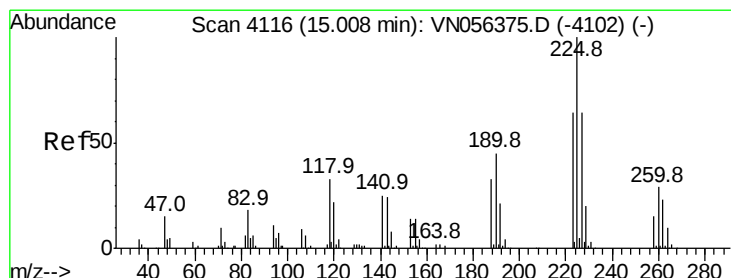
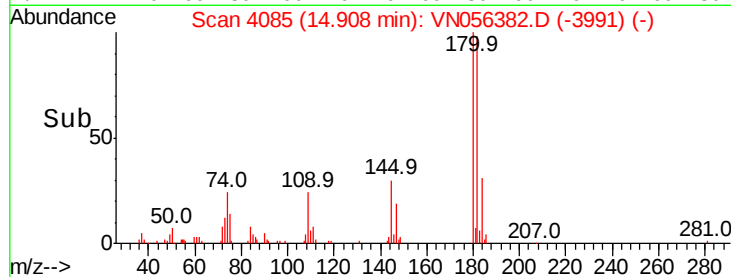
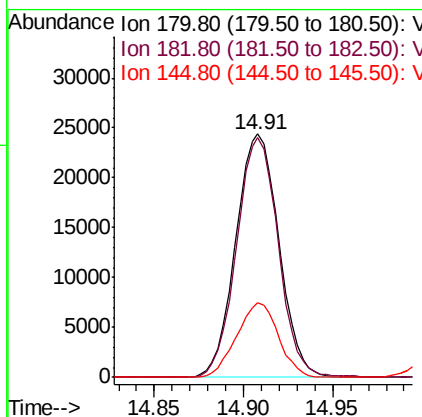
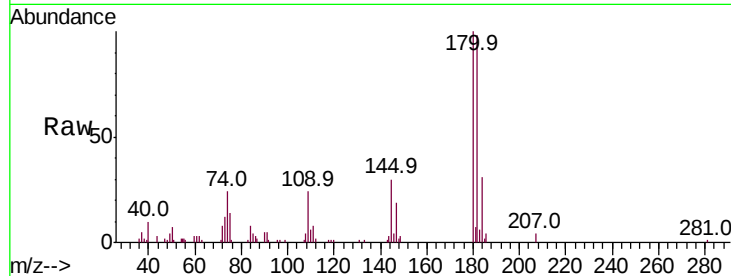
#93
 1,2,4-Trichlorobenzene
 Concen: 17.033 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.6
145	29.6	14.4	43.0

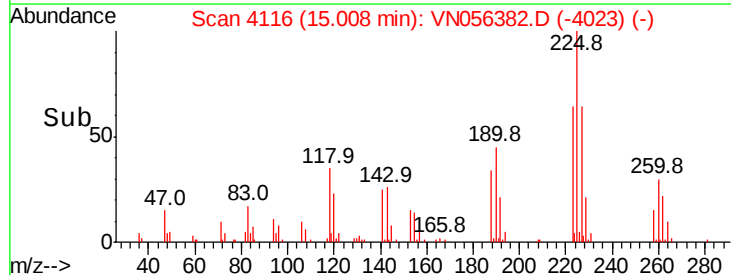
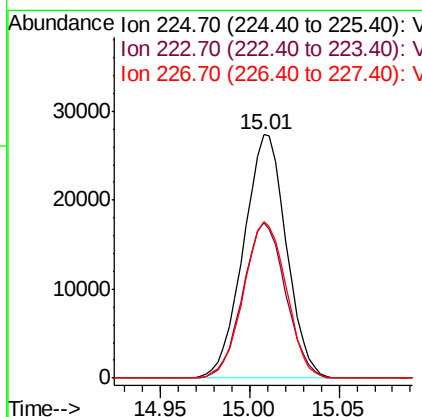
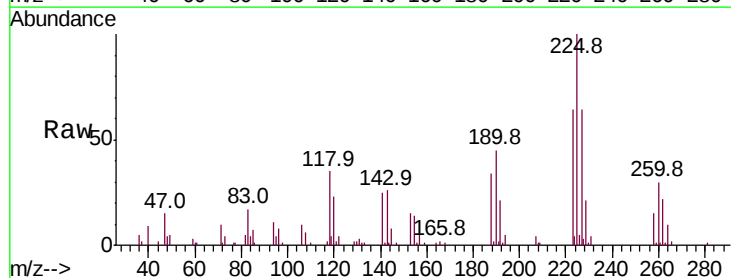
Manual Integrations
 APPROVED

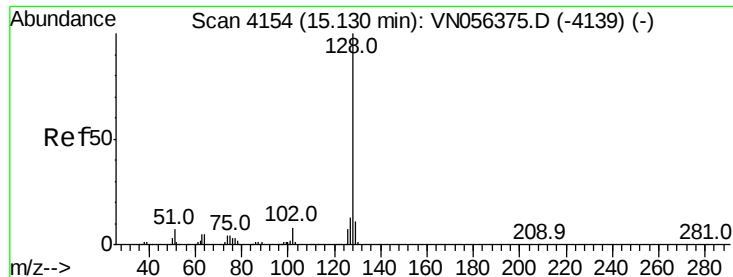
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#94
 Hexachlorobutadiene
 Concen: 21.053 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.3
227	63.9	32.1	96.3





#95

Naphthalene

Concen: 17.953 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

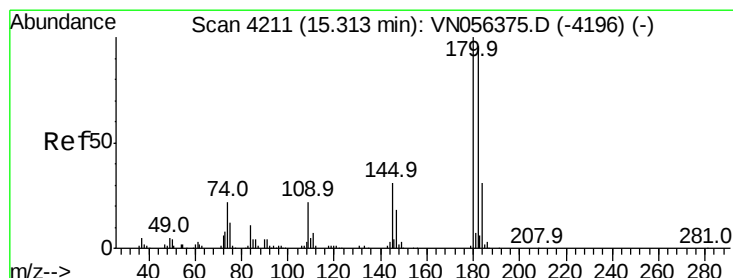
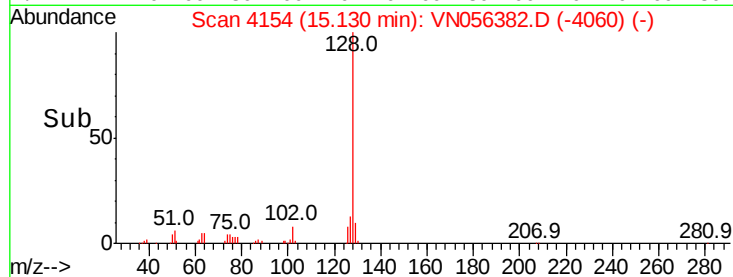
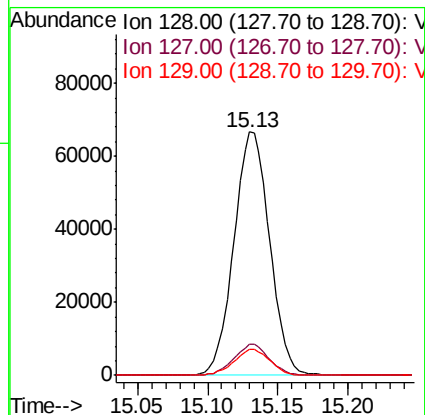
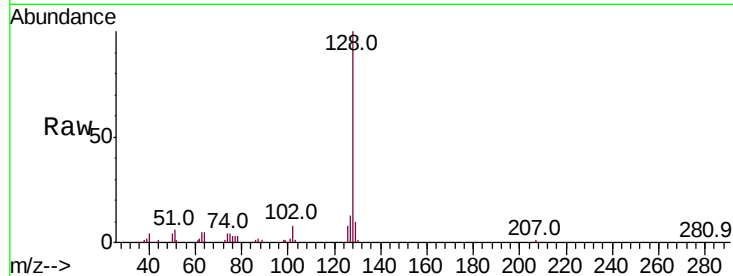
ClientSampleId :

VN0619WBS01

Tot Ion:	128	Resp:	118297
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.573 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion:	180	Resp:	51135
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.3	144.8
145	30.1	15.4	46.1

