

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056384.D
 Acq On : 19 Jun 2019 14:09
 Operator : JC/SP
 Sample : VN0619WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 1:01:43 AM

Quant Time: Jun 21 13:54:00 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	366136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	572959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	211622	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.59	113	180975	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.09	98	699021	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	219039	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64303	20.741	ug/l	98
3) Chloromethane	2.06	50	84909	20.114	ug/l	99
4) Vinyl Chloride	2.18	62	84454	20.714	ug/l	98
5) Bromomethane	2.53	94	50057	20.942	ug/l	97
6) Chloroethane	2.68	64	48528	20.553	ug/l	99
7) Trichlorofluoromethane	3.00	101	107037	20.295	ug/l	100
8) Diethyl Ether	3.41	74	45945	20.584	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66971	19.912	ug/l	98
10) Methyl Iodide	3.95	142	87358	19.218	ug/l	99
11) Tert butyl alcohol	4.79	59	80456	117.719	ug/l	98
12) 1,1-Dichloroethene	3.73	96	65955	20.392	ug/l	95
13) Acrolein	3.61	56	56499	98.084	ug/l	97
14) Allyl chloride	4.32	41	108069	20.072	ug/l	99
15) Acrylonitrile	4.99	53	194307	102.765	ug/l	99
16) Acetone	3.82	43	183517	90.266	ug/l	99
17) Carbon Disulfide	4.05	76	139967	19.026	ug/l	98
18) Methyl Acetate	4.33	43	84065	20.601	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	218242	20.392	ug/l	99
20) Methylene Chloride	4.55	84	79803	20.293	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	70780	20.297	ug/l	98
22) Diisopropyl ether	5.95	45	229709	20.315	ug/l	98
23) Vinyl Acetate	5.90	43	935600	104.907	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130655	20.129	ug/l	98
25) 2-Butanone	6.84	43	264582	98.329	ug/l	99
26) 2,2-Dichloropropane	6.82	77	84328	18.680	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	84747	20.772	ug/l	100
28) Bromochloromethane	7.19	49	69175	21.547	ug/l	99
29) Tetrahydrofuran	7.21	42	175269	106.589	ug/l	98
30) Chloroform	7.37	83	130786	20.420	ug/l	99
31) Cyclohexane	7.65	56	126762	20.229	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	102814	20.252	ug/l	99
36) 1,1-Dichloropropene	7.79	75	98072	19.447	ug/l	99
37) Ethyl Acetate	6.93	43	103843	20.953	ug/l	98
38) Carbon Tetrachloride	7.77	117	83917	19.029	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116915	18.788	ug/l	97
40) Benzene	8.04	78	307793	19.842	ug/l	100
41) Methacrylonitrile	7.18	41	39852m	18.210	ug/l	
42) 1,2-Dichloroethane	8.12	62	100652	19.661	ug/l	99
43) Isopropyl Acetate	8.17	43	149255	19.531	ug/l	93
44) Trichloroethene	8.84	130	82664	19.782	ug/l	100
45) 1,2-Dichloropropane	9.12	63	82942	19.993	ug/l	100
46) Dibromomethane	9.21	93	52749	20.323	ug/l	99
47) Bromodichloromethane	9.40	83	90248	19.605	ug/l	100
48) Methyl methacrylate	9.20	41	72855	19.024	ug/l	98
49) 1,4-Dioxane	9.20	88	31350	394.476	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	496076	100.574	ug/l	100
52) Toluene	10.16	92	188445	19.870	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88728	18.483	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	110259	19.890	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	75988	19.933	ug/l	98
56) Ethyl methacrylate	10.43	69	110478	19.830	ug/l	99
57) 1,3-Dichloropropane	10.71	76	129821	20.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	182806	91.336	ug/l	100
59) 2-Hexanone	10.75	43	349322	96.359	ug/l	100
60) Dibromochloromethane	10.90	129	67923	18.890	ug/l	99
61) 1,2-Dibromoethane	11.00	107	77808	19.984	ug/l	99
64) Tetrachloroethene	10.63	164	78588	19.993	ug/l	98
65) Chlorobenzene	11.43	112	198853	19.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	69008	20.472	ug/l	100
67) Ethyl Benzene	11.51	91	348567	19.904	ug/l	100
68) m/p-Xylenes	11.62	106	254522	39.658	ug/l	98
69) o-Xylene	11.95	106	127560	20.090	ug/l	99
70) Styrene	11.96	104	202016	19.905	ug/l	98
71) Bromoform	12.13	173	45008	18.653	ug/l #	98
73) Isopropylbenzene	12.25	105	339728	23.133	ug/l	100
74) N-amyl acetate	12.07	43	118104	20.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106348	23.204	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	85996m	22.536	ug/l	
77) Bromobenzene	12.53	156	84296	20.485	ug/l	98
78) n-propylbenzene	12.59	91	345173	20.481	ug/l	99
79) 2-Chlorotoluene	12.67	91	219362	22.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	269654	22.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20749	19.325	ug/l	95
82) 4-Chlorotoluene	12.77	91	198290	19.927	ug/l	99
83) tert-Butylbenzene	12.99	119	241396	22.395	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	258045	20.828	ug/l	100
85) sec-Butylbenzene	13.17	105	306893	20.718	ug/l	99
86) p-Isopropyltoluene	13.29	119	261755	20.590	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	123945	19.875	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	117250	19.414	ug/l	99
89) n-Butylbenzene	13.61	91	178449	18.543	ug/l	100
90) Hexachloroethane	13.87	117	38862	19.608	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	128123	20.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13709	20.132	ug/l	97

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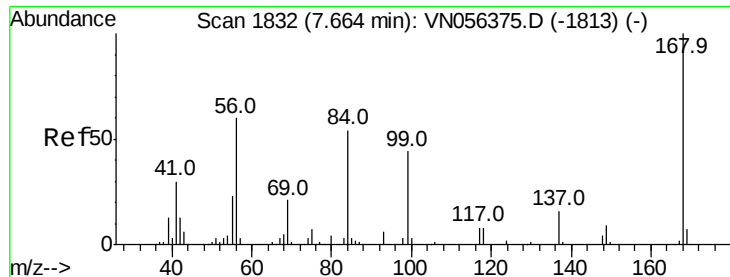
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42360	17.285	ug/l	99
94) Hexachlorobutadiene	15.01	225	46084	20.885	ug/l	99
95) Naphthalene	15.13	128	120731	18.078	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50604	18.280	ug/l	100

(#) = 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: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion:168 Resp: 366136

Ion Ratio Lower Upper

168 100

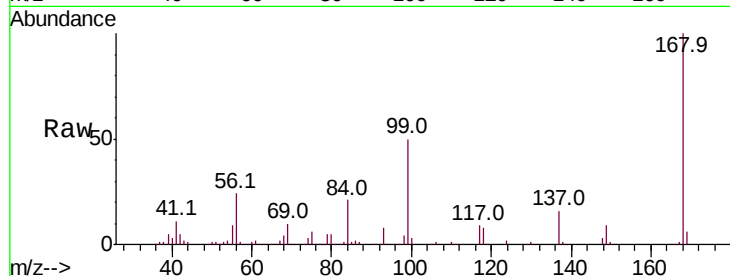
99 49.3 40.6 61.0

Manual Integrations

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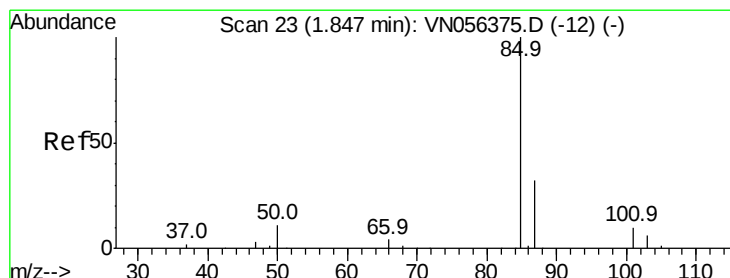
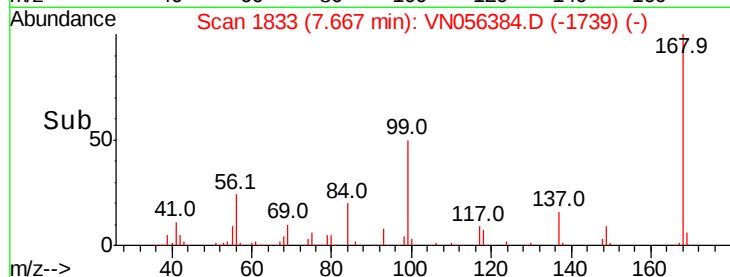
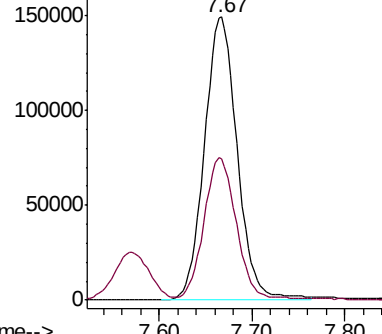
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.741 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056384.D

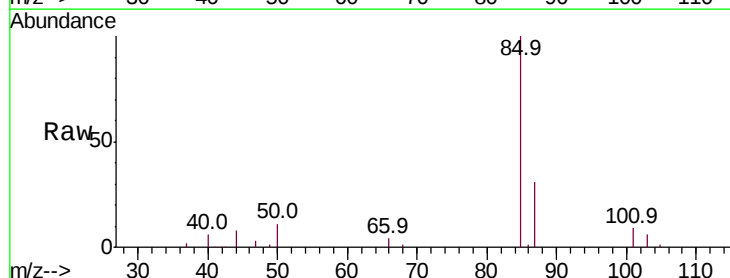
Acq: 19 Jun 2019 14:09

Tgt Ion: 85 Resp: 64303

Ion Ratio Lower Upper

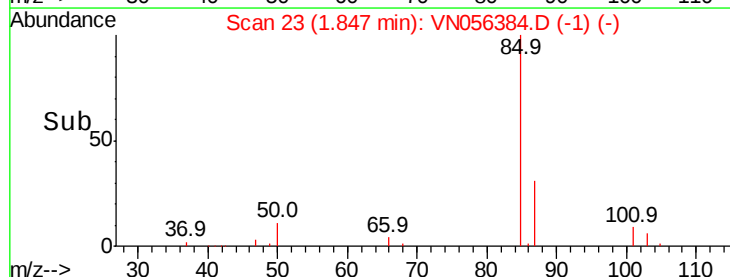
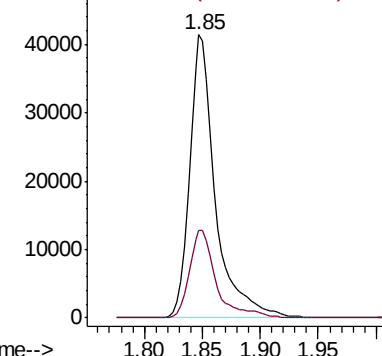
85 100

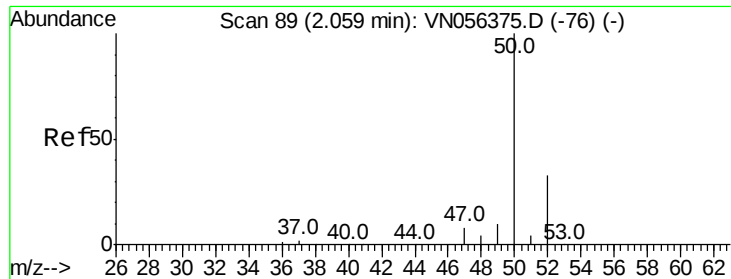
87 31.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





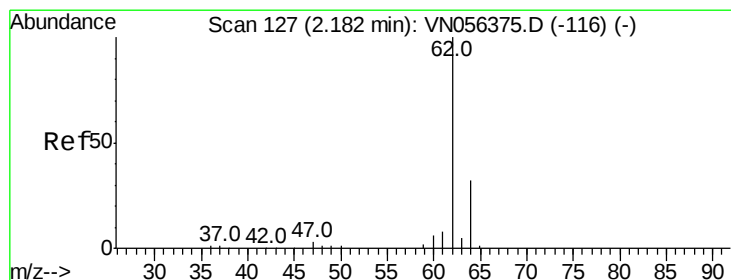
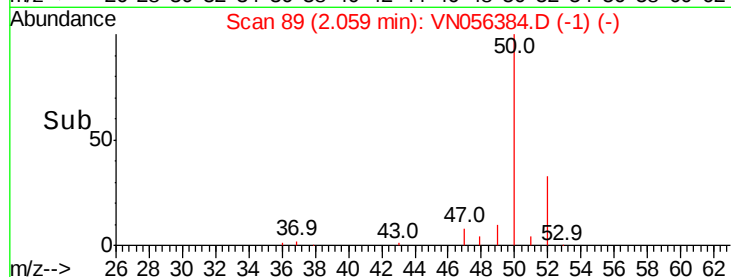
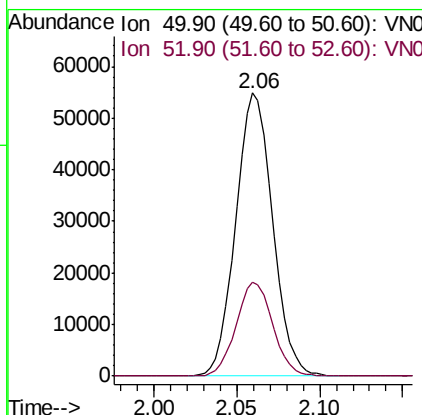
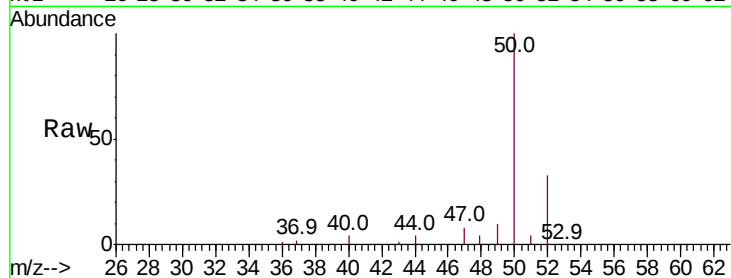
#3
Chloromethane
Concen: 20.114 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 50 Resp: 84909
Ion Ratio Lower Upper
50 100
52 33.4 26.5 39.7

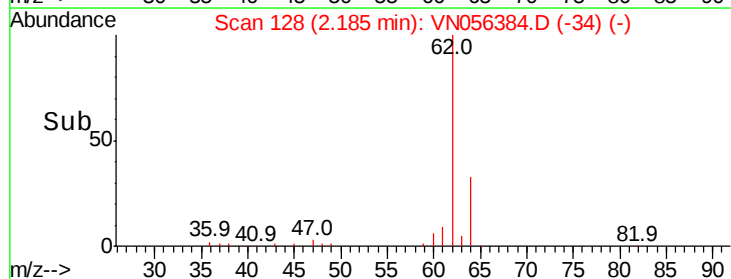
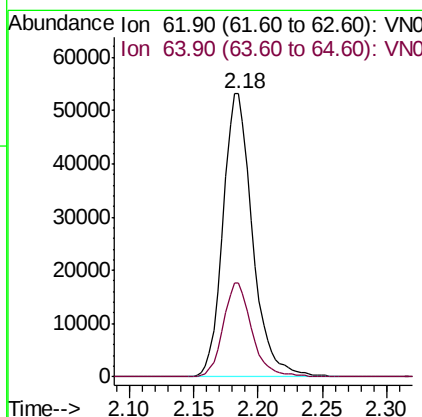
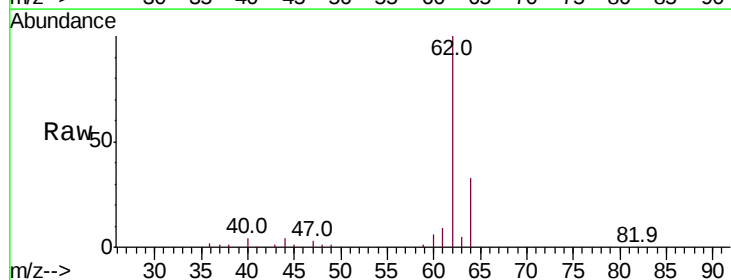
Manual Integrations
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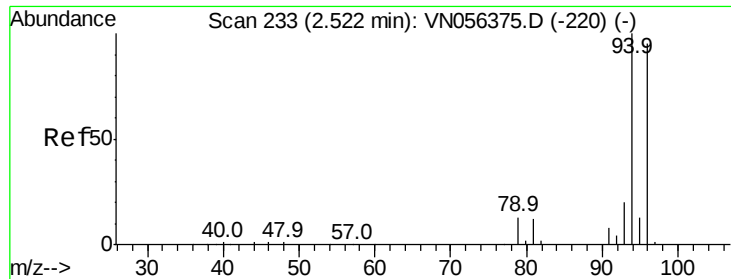
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#4
Vinyl Chloride
Concen: 20.714 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 62 Resp: 84454
Ion Ratio Lower Upper
62 100
64 33.3 25.7 38.5





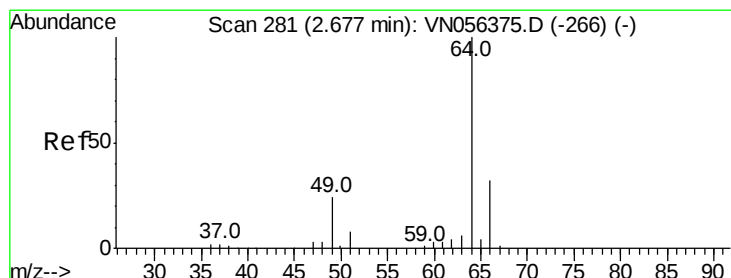
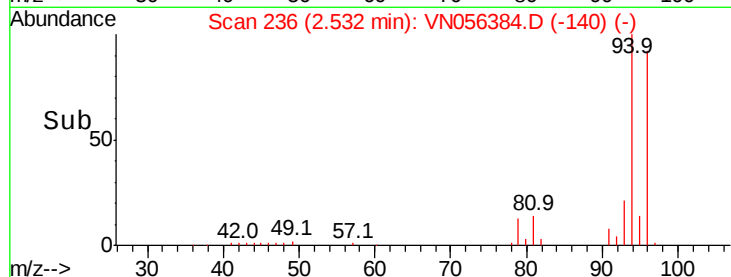
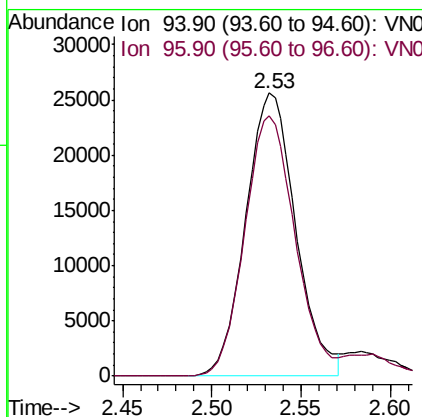
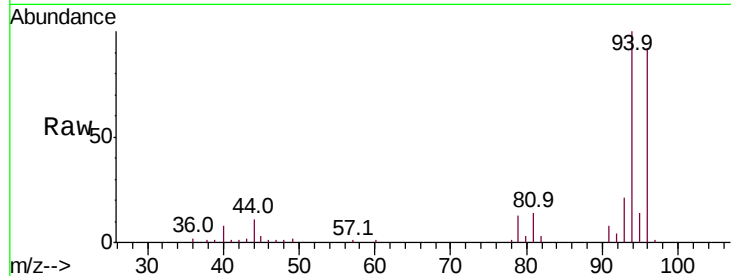
#5
Bromomethane
Concen: 20.942 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.01 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 50057
Ion Ratio Lower Upper
94 100
96 92.1 76.0 114.0

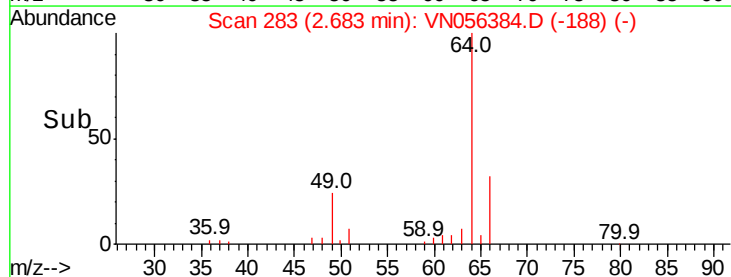
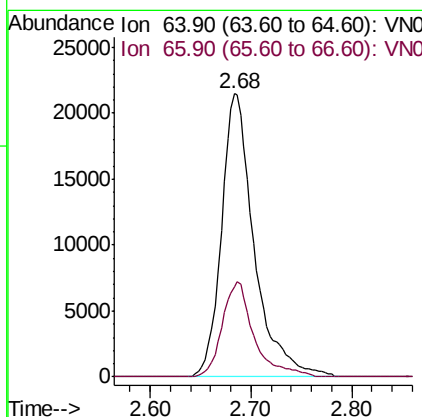
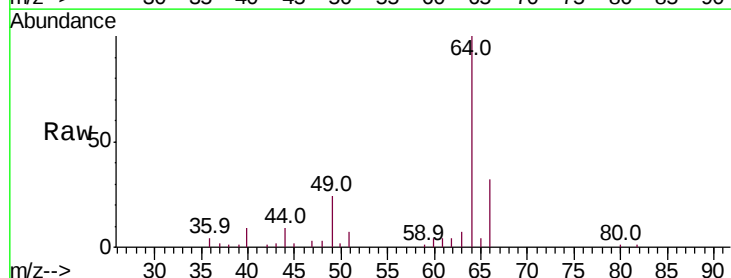
Manual Integrations
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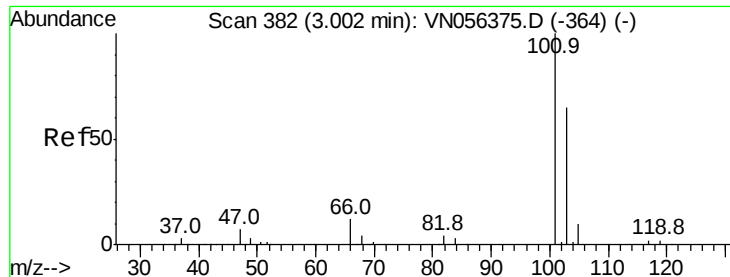
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#6
Chloroethane
Concen: 20.553 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.01 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 64 Resp: 48528
Ion Ratio Lower Upper
64 100
66 31.8 25.8 38.8





#7

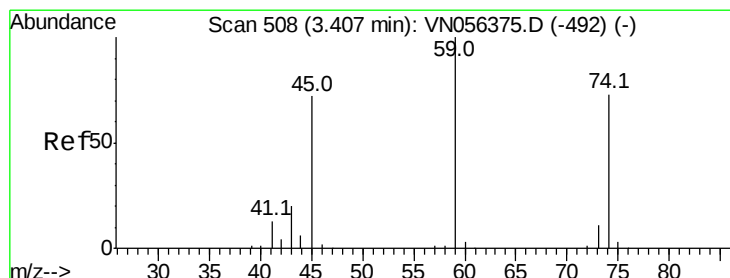
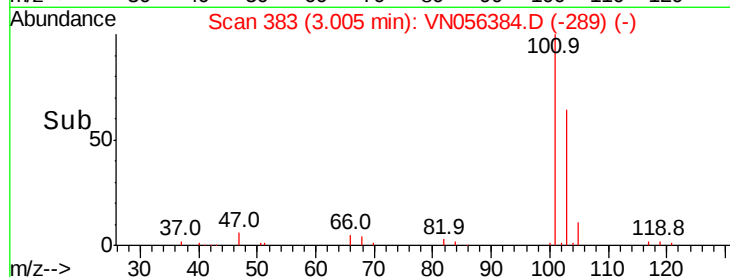
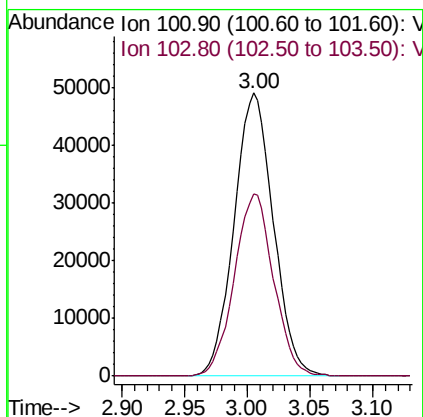
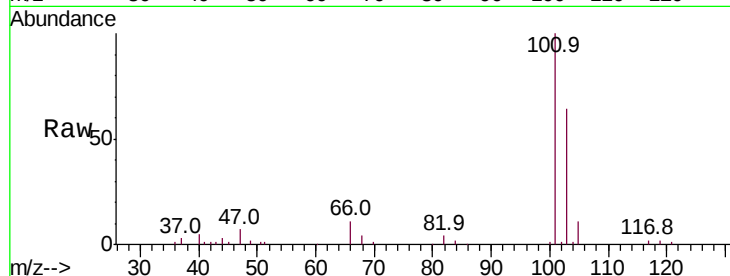
Trichlorofluoromethane
 Concen: 20.295 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
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 ClientSampleId :
 VN0619WBSD01

Tot Ion:101 Resp: 107037
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5

Manual Integrations
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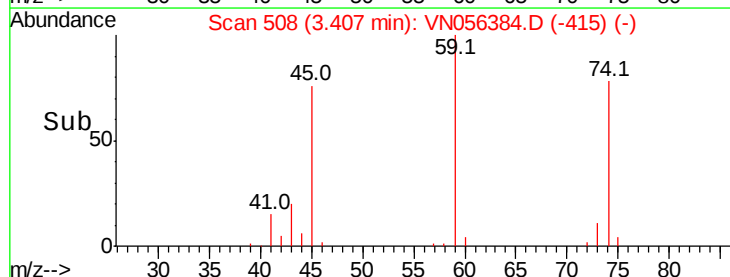
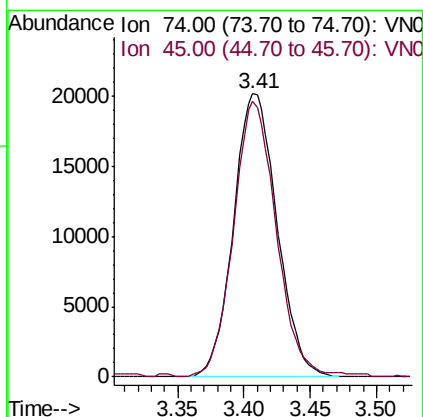
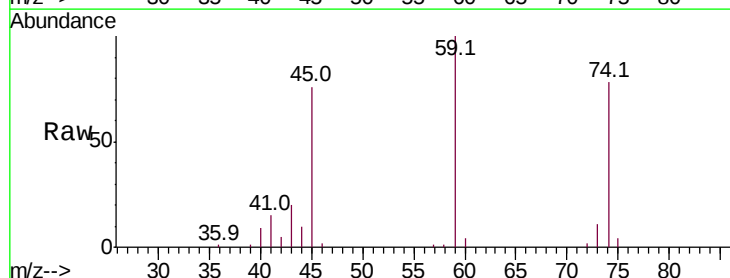
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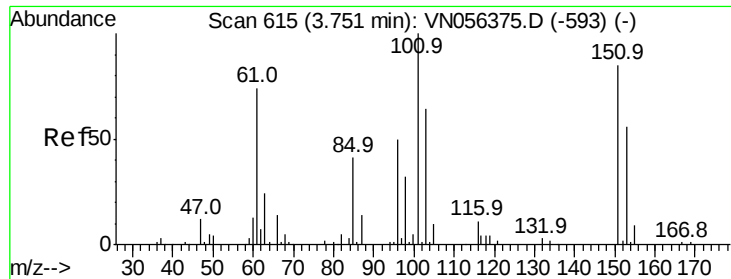


#8

Diethyl Ether
 Concen: 20.584 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 74 Resp: 45945
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.912 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

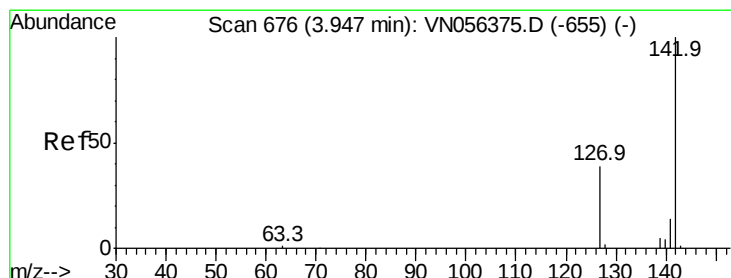
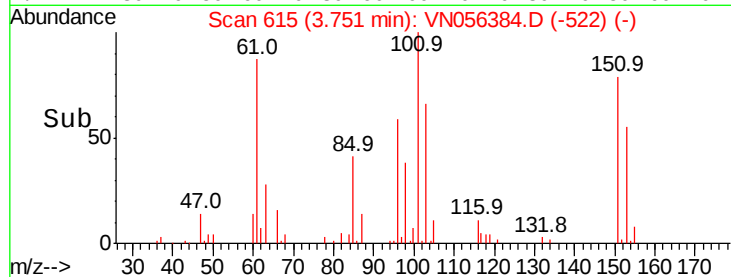
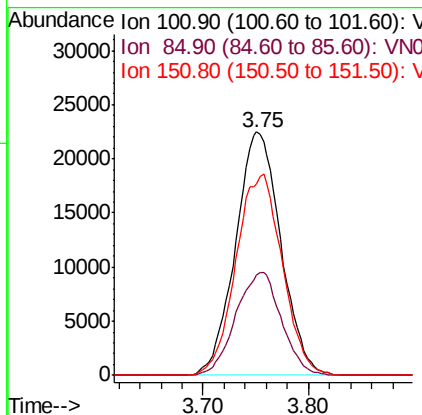
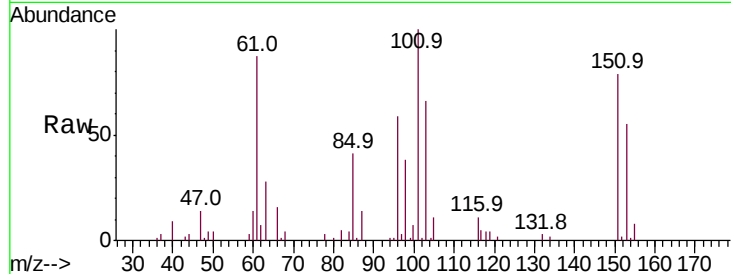
ClientSampleId :

VN0619WBSD01

Tot Ion:	101	Resp:	66971
Ion Ratio	Lower	Upper	
101	100		
85	42.5	32.7	49.1
151	84.6	66.8	100.2

Manual Integrations
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6/25/2019 1:01:43 AM



#10

Methyl Iodide

Concen: 19.218 ug/l

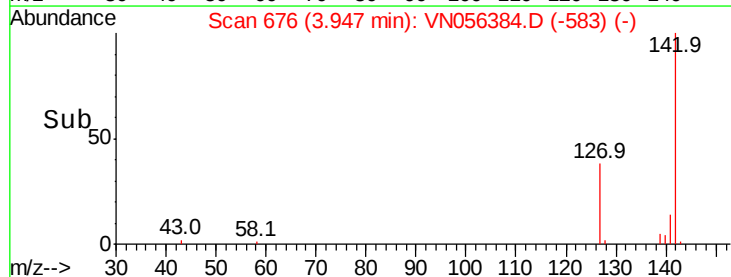
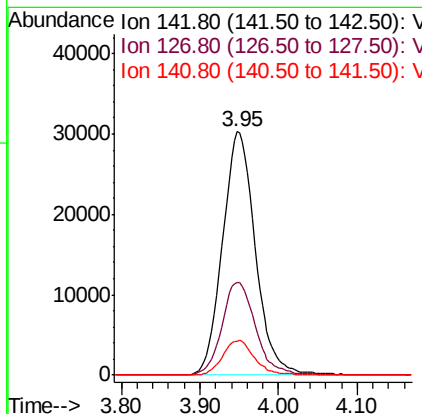
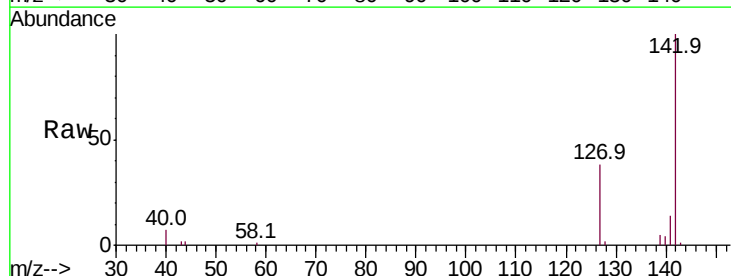
RT: 3.95 min Scan# 676

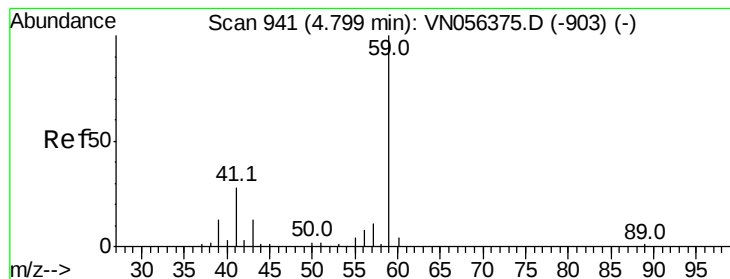
Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion:	142	Resp:	87358
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.6	46.0
141	13.7	11.4	17.2





#11

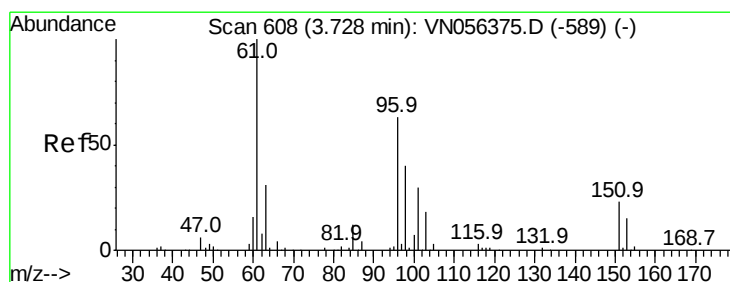
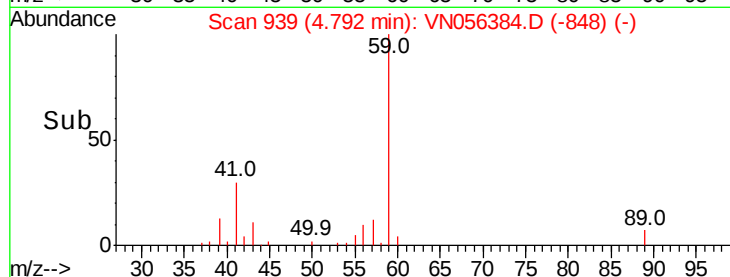
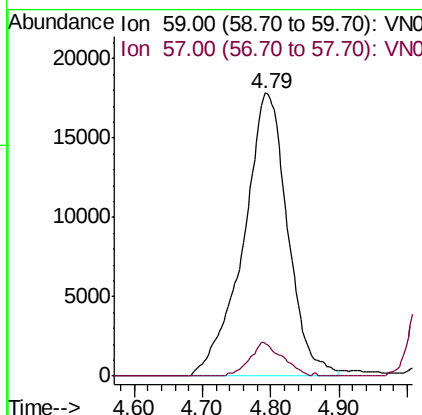
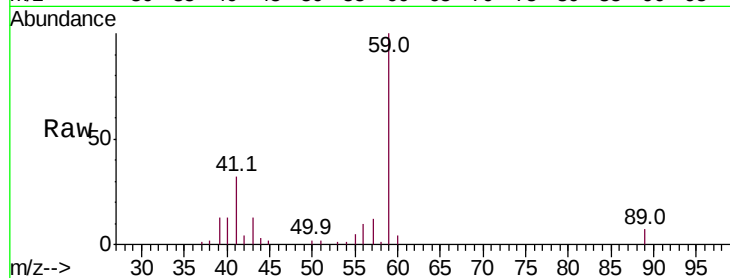
Tert butyl alcohol
Concen: 117.719 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.01 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.6	11.4

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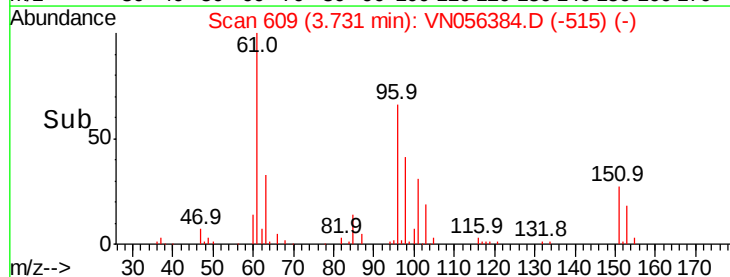
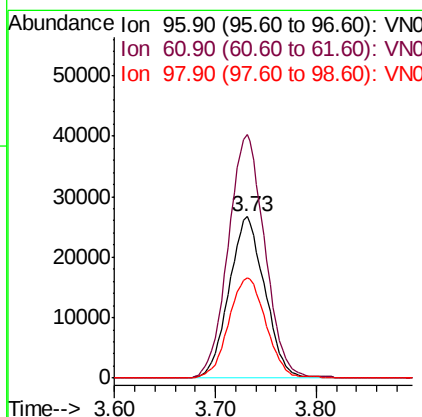
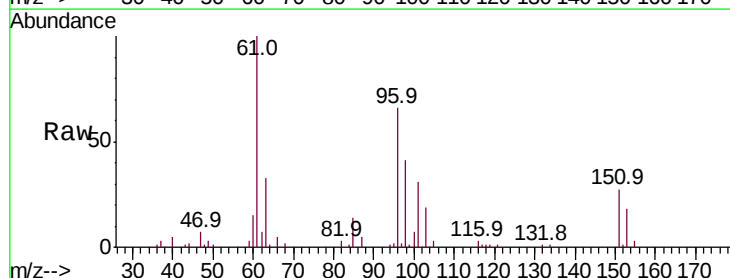
MMDadoda
6/25/2019 1:01:43 AM

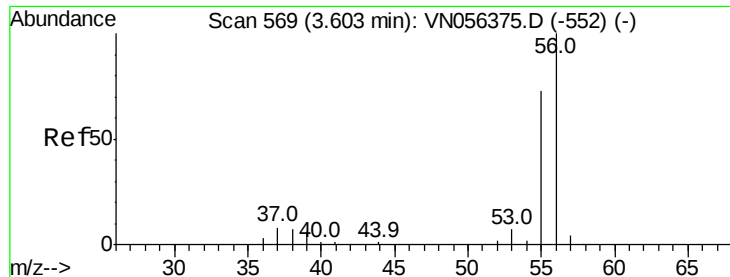


#12

1,1-Dichloroethene
Concen: 20.392 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	126.6	190.0
98	62.1	51.1	76.7





#13

Acrolein

Concen: 98.084 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 56 Resp: 56499

Ion Ratio Lower Upper

56 100

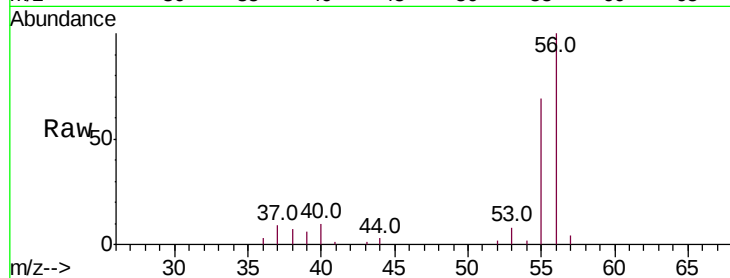
55 69.2 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

5000

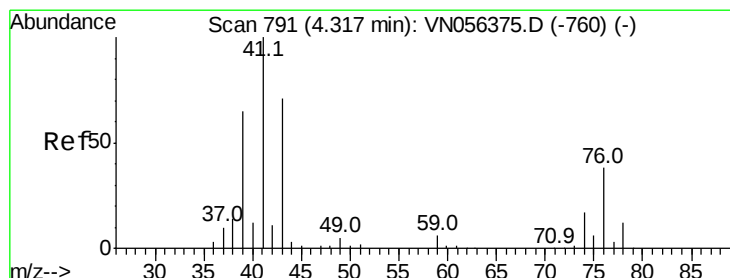
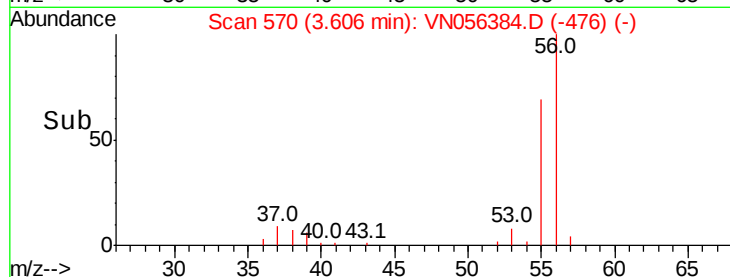
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 20.072 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

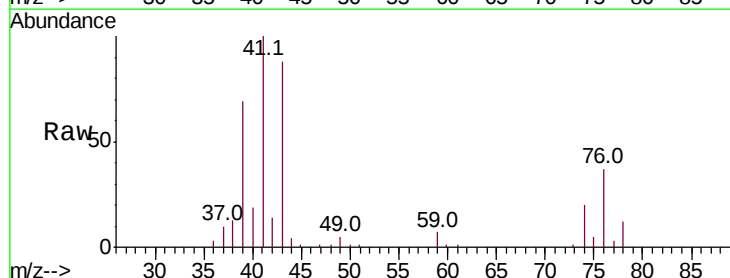
Tgt Ion: 41 Resp: 108069

Ion Ratio Lower Upper

41 100

39 61.3 48.6 73.0

76 32.8 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

20000

10000

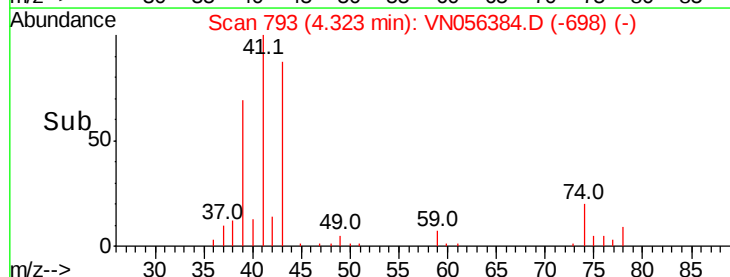
0

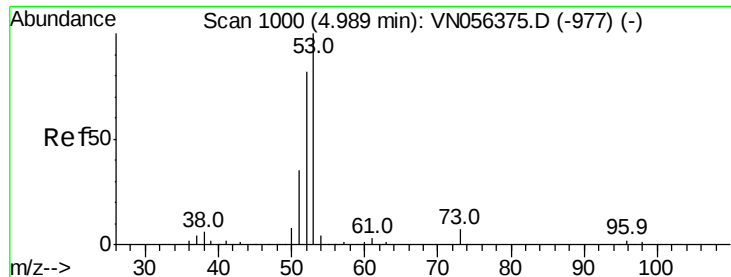
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 102.765 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

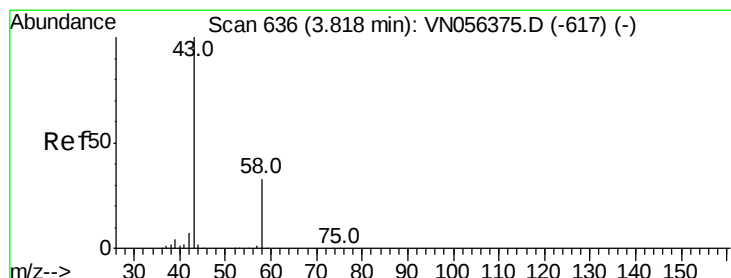
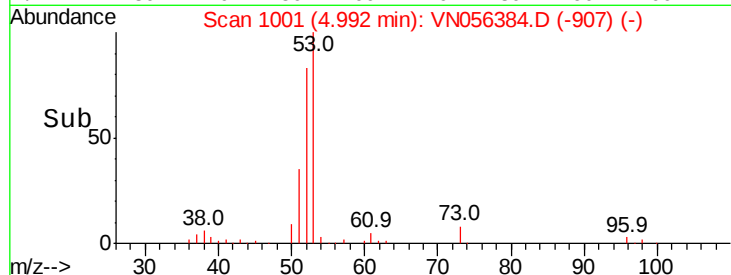
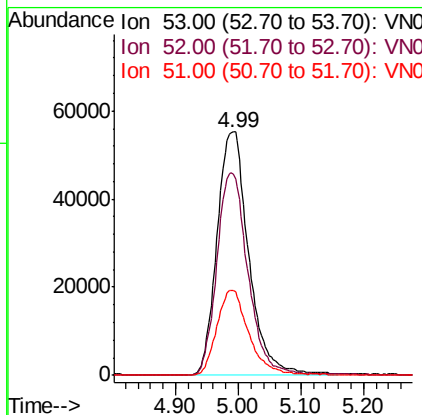
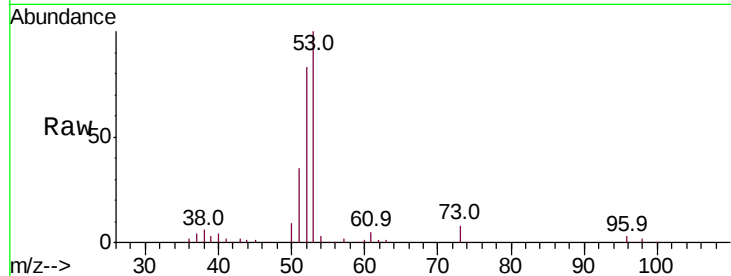
ClientSampleId :

VN0619WBSD01

Tot Ion:	53	Resp:	194307
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.9	98.9
51	34.7	28.3	42.5

Manual Integrations
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6/25/2019 1:01:43 AM



#16

Acetone

Concen: 90.266 ug/l

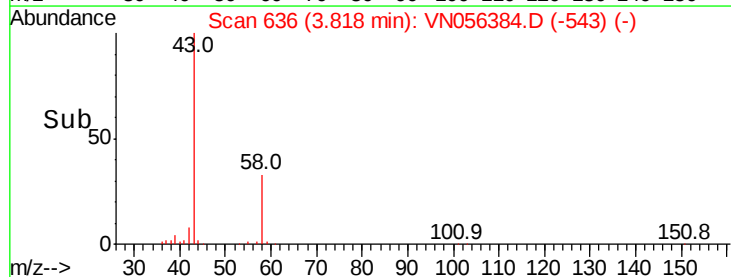
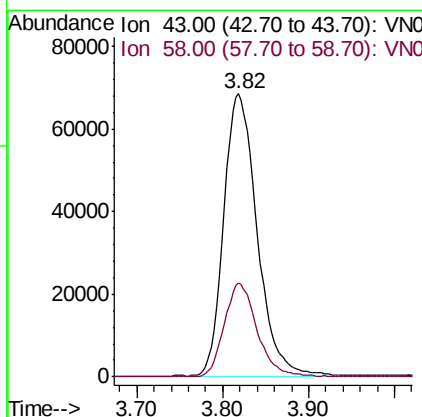
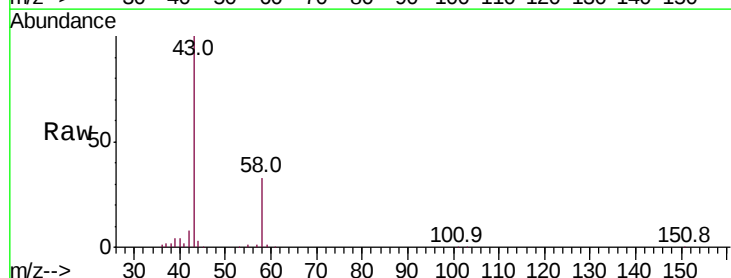
RT: 3.82 min Scan# 636

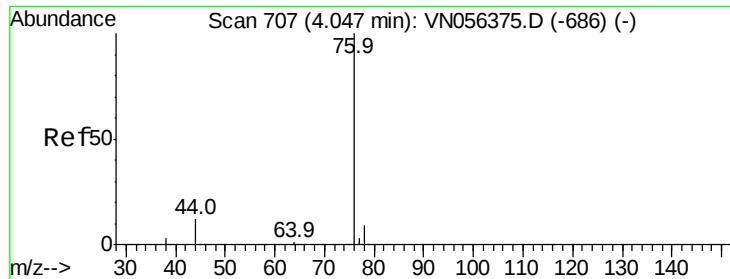
Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion:	43	Resp:	183517
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.4	39.6





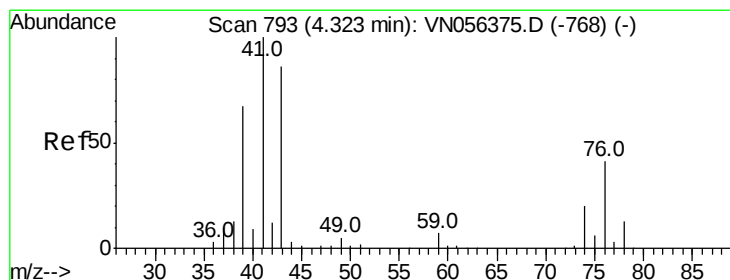
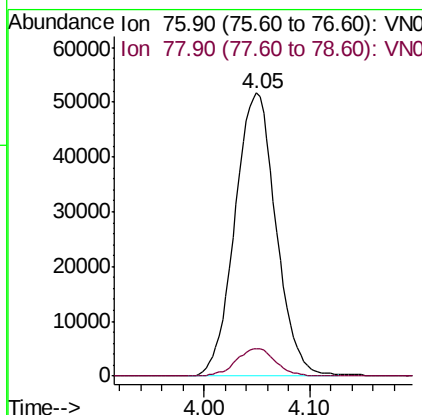
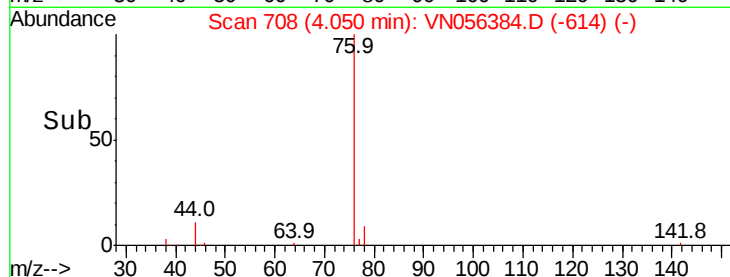
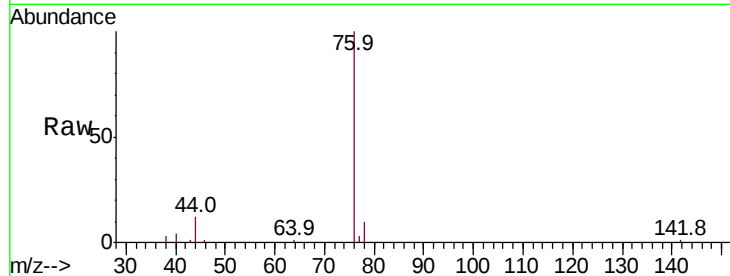
#17
Carbon Disulfide
Concen: 19.026 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 76 Resp: 139967
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

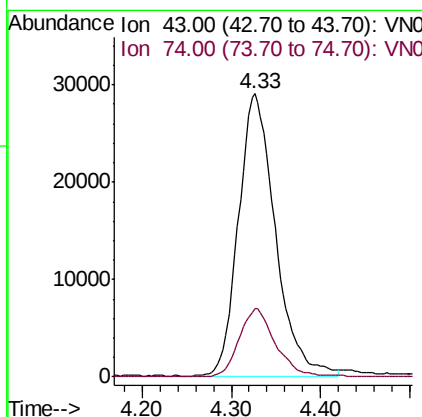
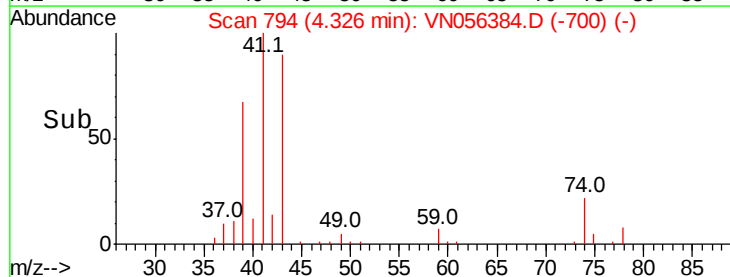
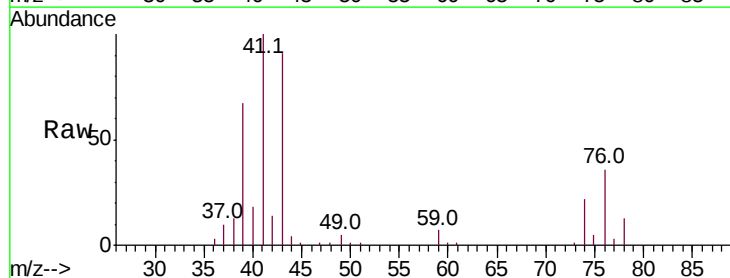
Manual Integrations
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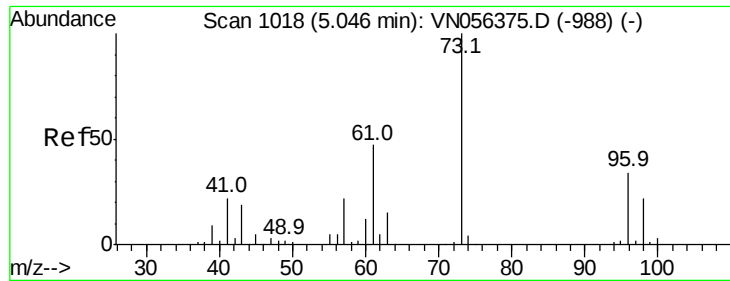
MMDadoda
6/25/2019 1:01:43 AM



#18
Methyl Acetate
Concen: 20.601 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 43 Resp: 84065
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8





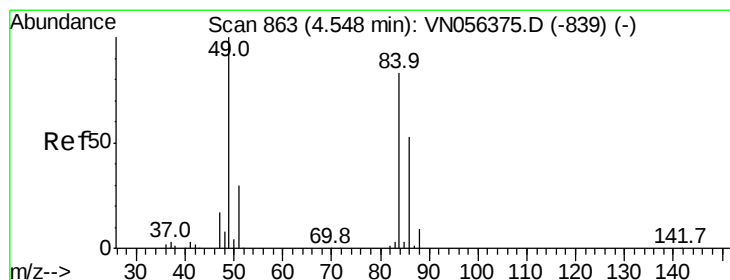
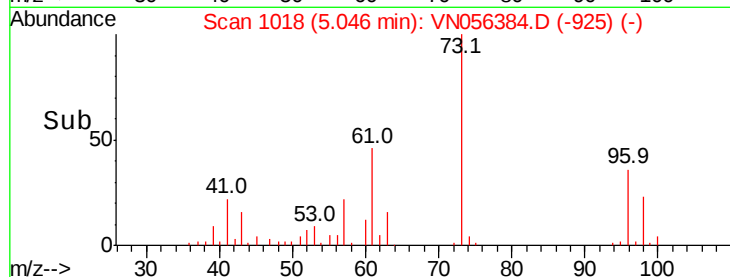
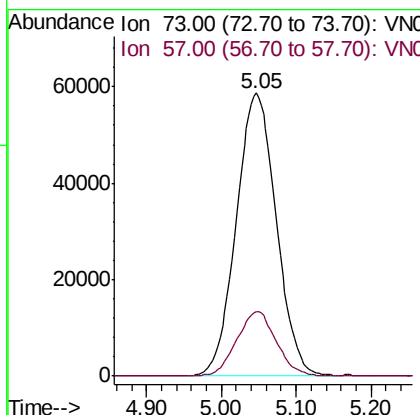
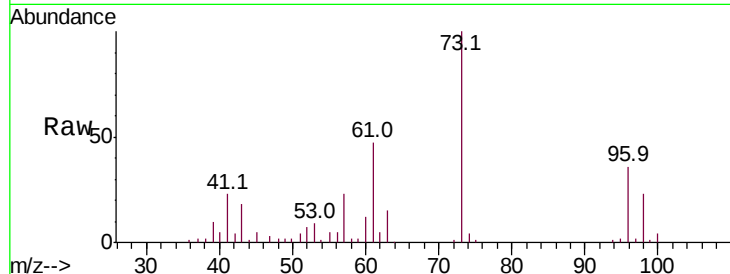
#19
Methvl tert-butvl Ether
Concen: 20.392 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 73 Resp: 218242
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

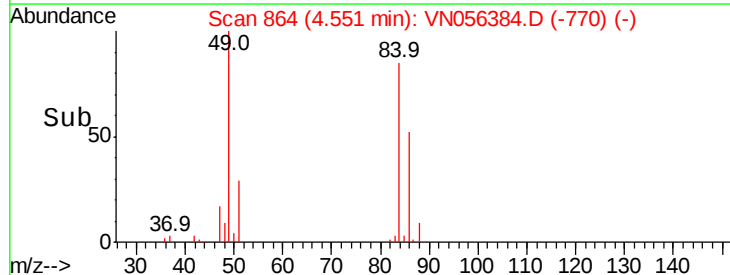
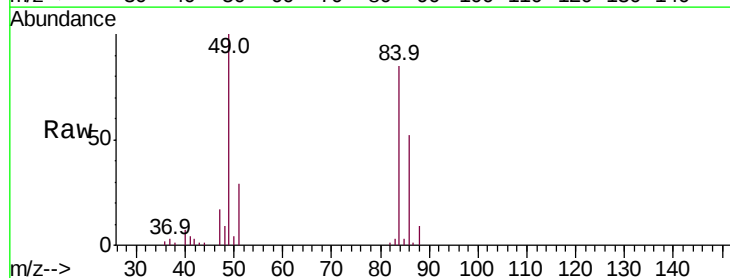
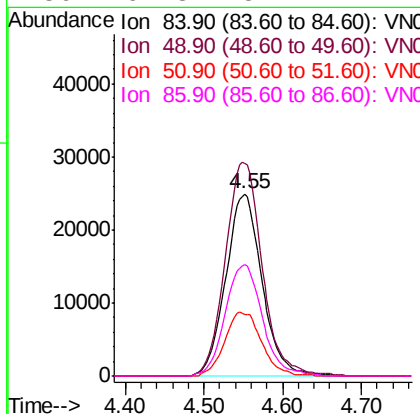
Manual Integrations
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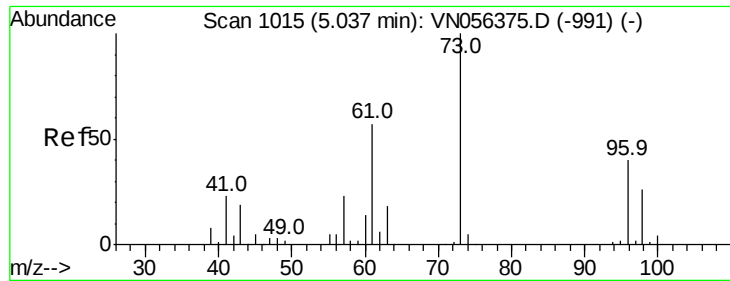
MMDadoda
6/25/2019 1:01:43 AM



#20
Methylene Chloride
Concen: 20.293 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 84 Resp: 79803
Ion Ratio Lower Upper
84 100
49 117.2 96.4 144.6
51 34.0 28.6 43.0
86 61.3 51.4 77.2





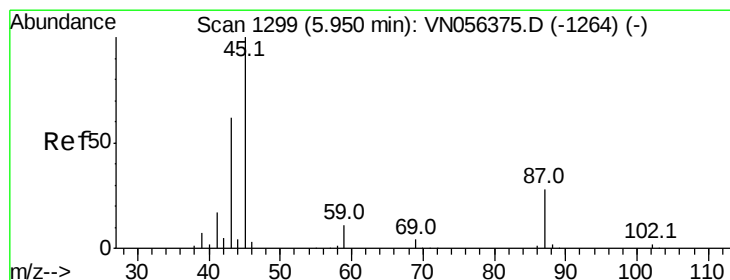
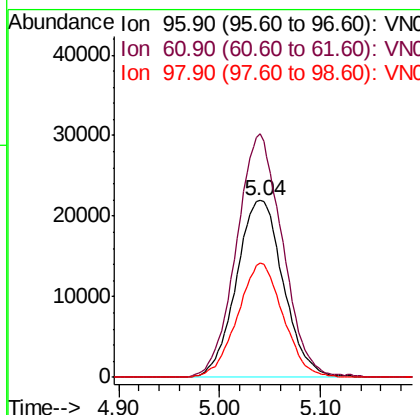
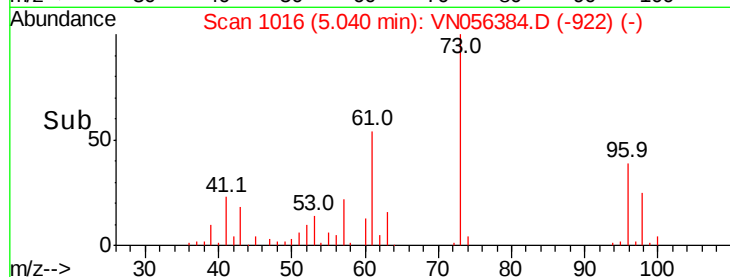
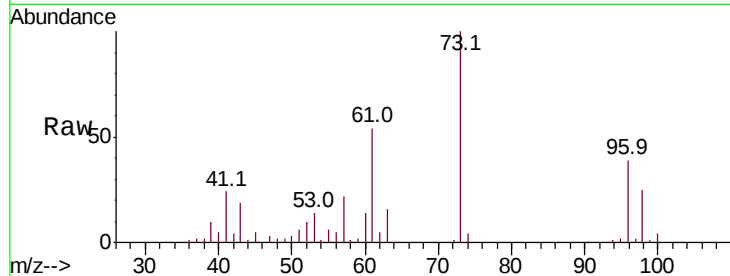
#21
trans-1,2-Dichloroethene
Concen: 20.297 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 96 Resp: 70780
Ion Ratio Lower Upper
96 100
61 137.9 113.0 169.6
98 64.8 52.2 78.2

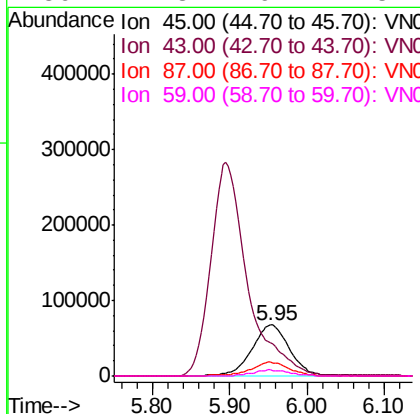
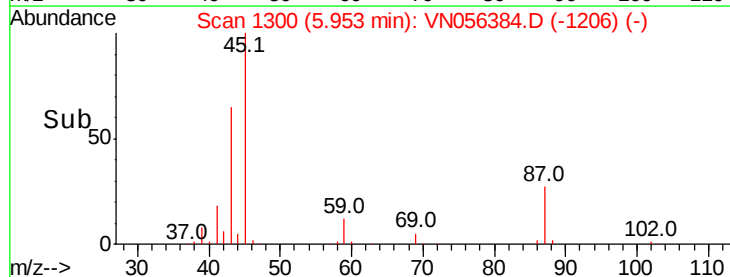
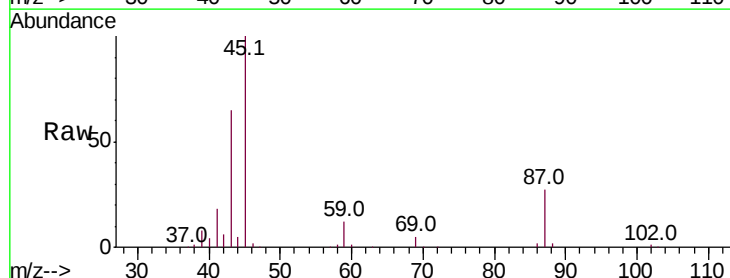
Manual Integrations
APPROVED

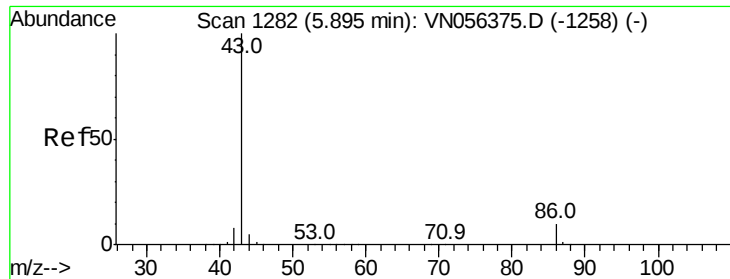
MMDadoda
6/25/2019 1:01:43 AM



#22
Diisopropyl ether
Concen: 20.315 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 45 Resp: 229709
Ion Ratio Lower Upper
45 100
43 62.0 50.4 75.6
87 26.2 23.0 34.4
59 11.3 9.1 13.7





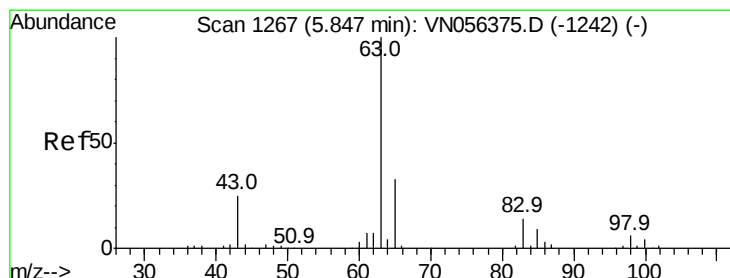
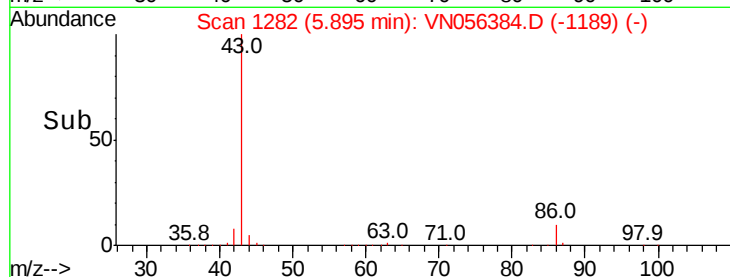
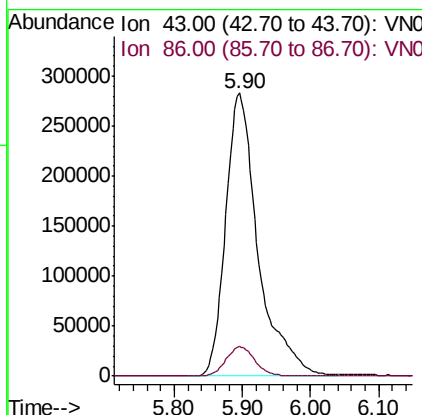
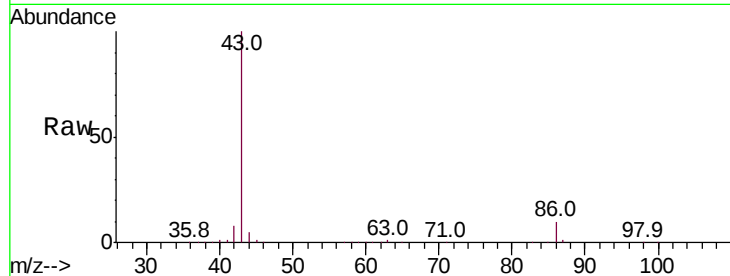
#23
 Vinyl Acetate
 Concen: 104.907 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

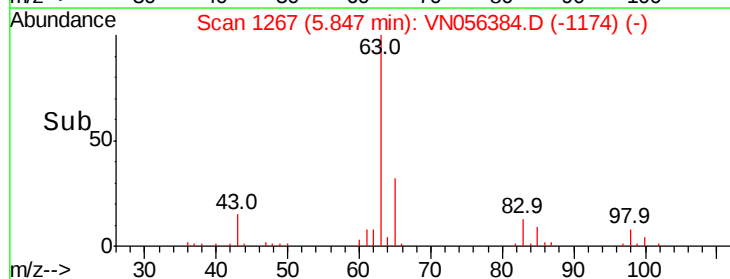
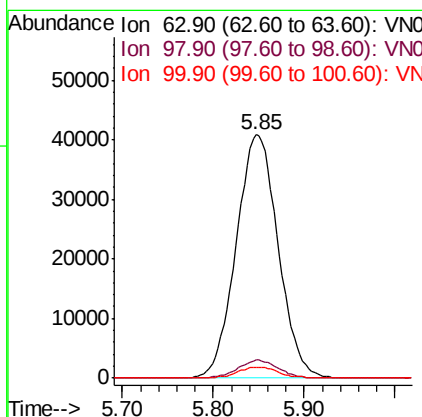
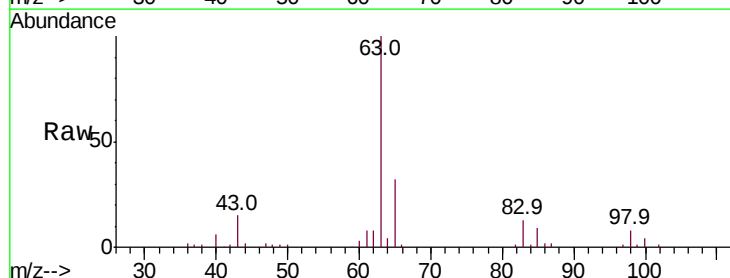
Manual Integrations
 APPROVED

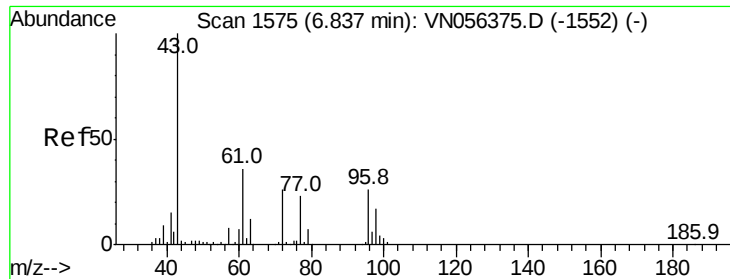
MMDadoda
 6/25/2019 1:01:43 AM



#24
 1,1-Dichloroethane
 Concen: 20.129 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.2	9.6
100	4.3	2.1	6.5





#25

2-Butanone

Concen: 98.329 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 43 Resp: 264582

Ion Ratio Lower Upper

43 100

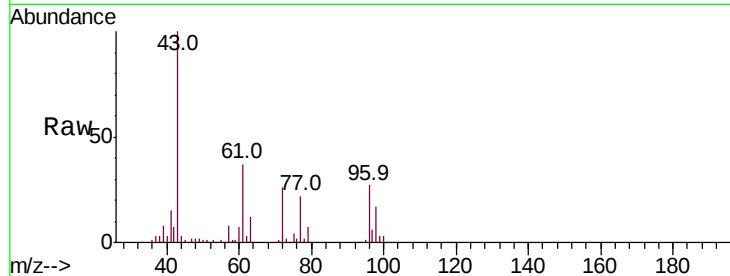
72 26.2 20.6 31.0

Manual Integrations

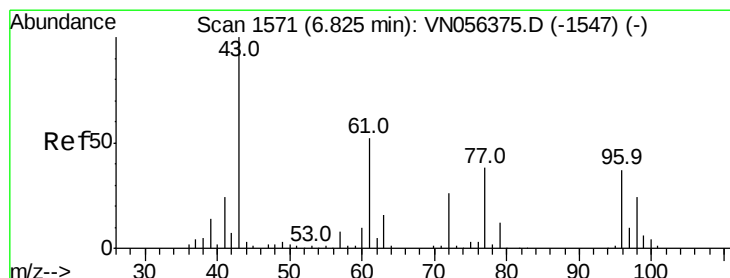
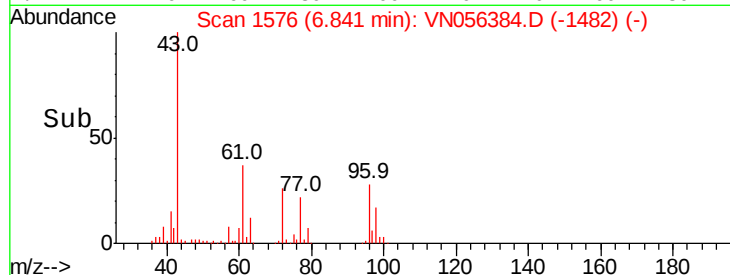
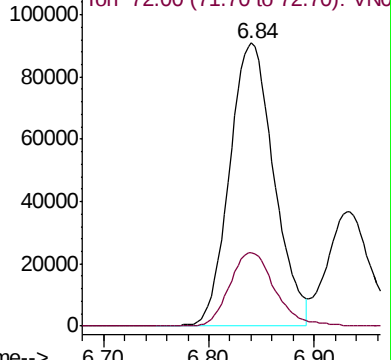
APPROVED

MMDadoda

6/25/2019 1:01:43 AM



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



#26

2,2-Dichloropropane

Concen: 18.680 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056384.D

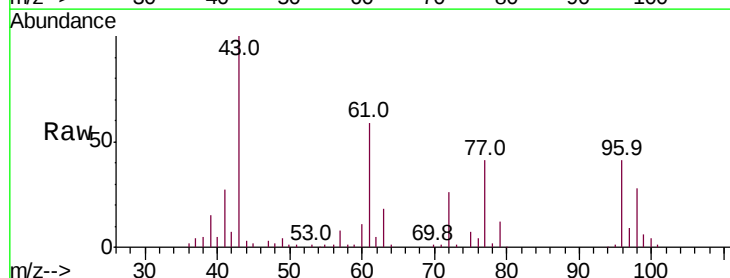
Acq: 19 Jun 2019 14:09

Tgt Ion: 77 Resp: 84328

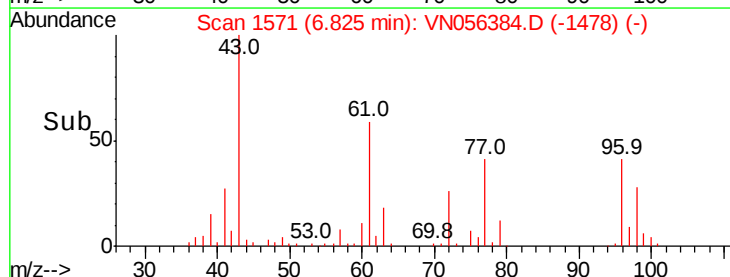
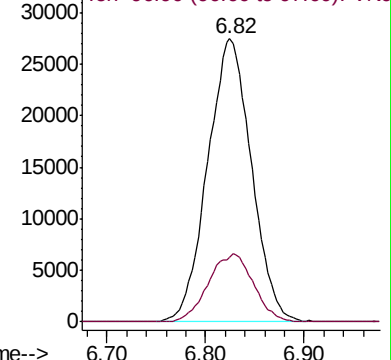
Ion Ratio Lower Upper

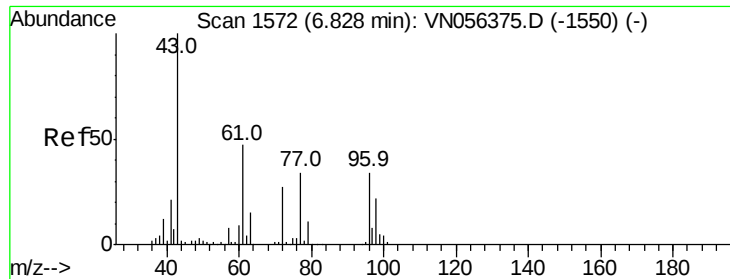
77 100

97 24.8 11.9 35.5



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





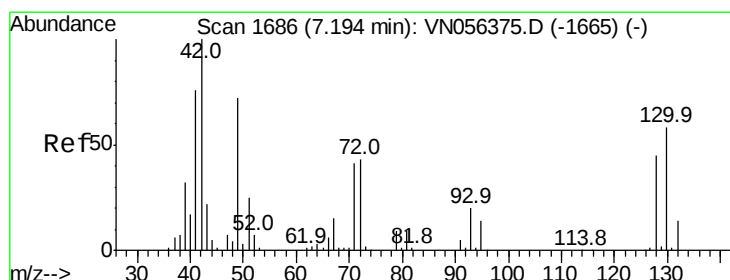
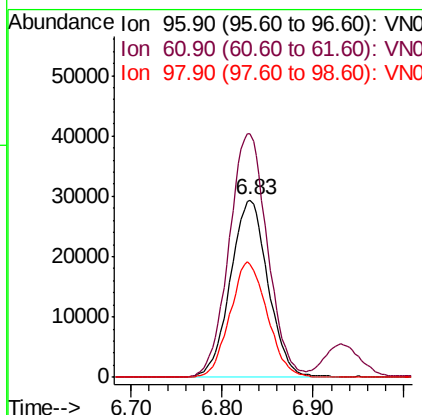
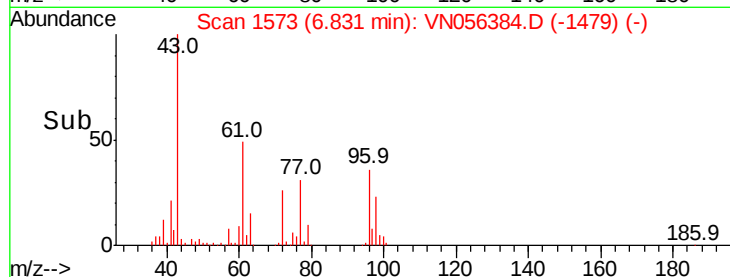
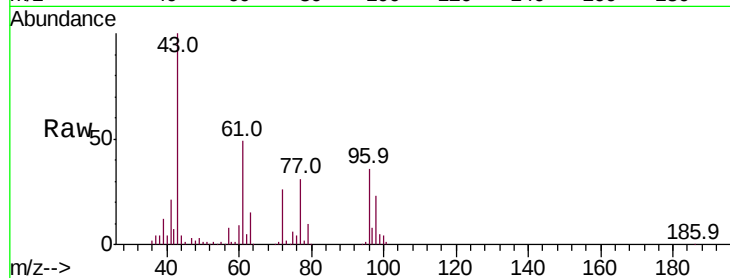
#27
 cis-1,2-Dichloroethene
 Concen: 20.772 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	279.8
98	64.3	0.0	130.0

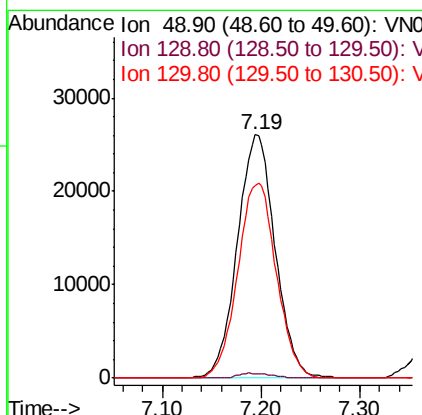
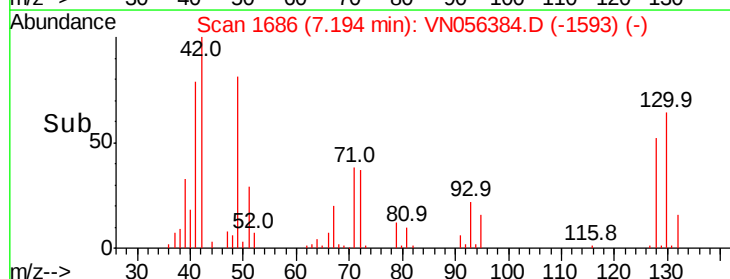
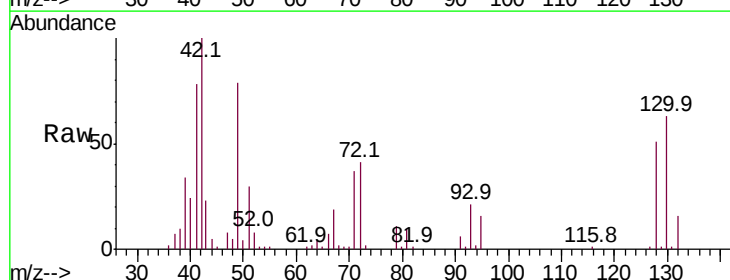
Manual Integrations
 APPROVED

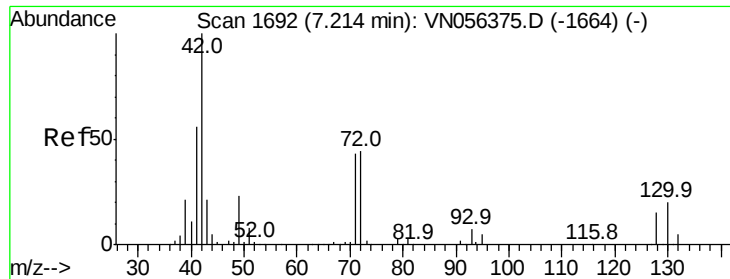
MMDadoda
 6/25/2019 1:01:43 AM



#28
 Bromochloromethane
 Concen: 21.547 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.2
130	81.6	64.9	97.3





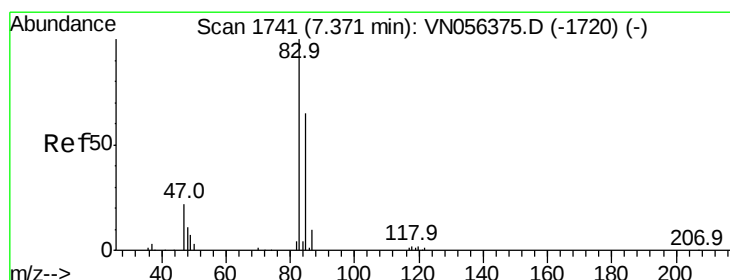
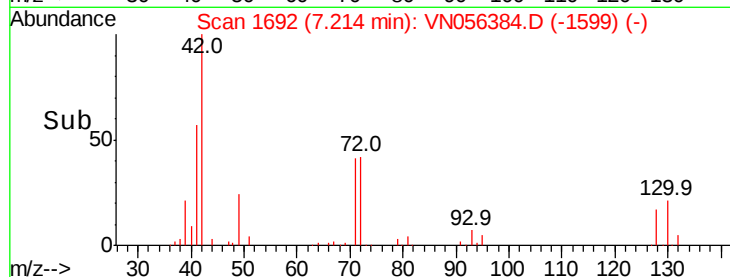
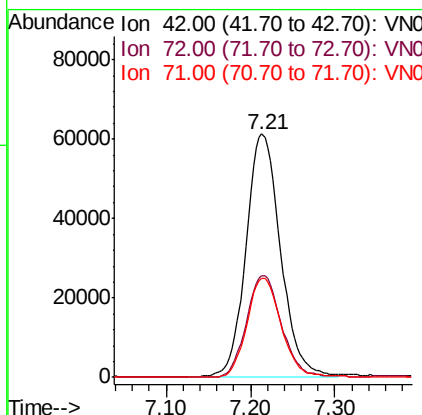
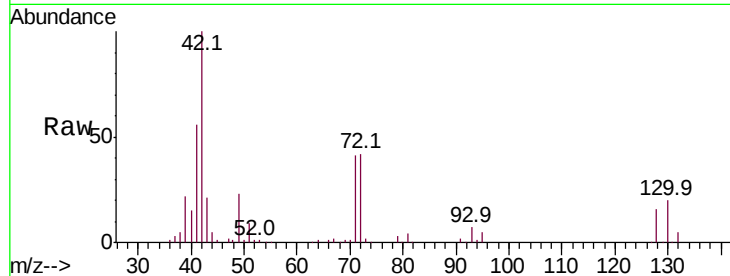
#29
Tetrahydrofuran
Concen: 106.589 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.7	52.1
71	40.1	33.0	49.6

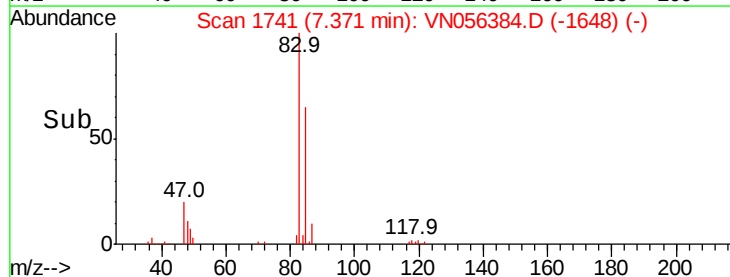
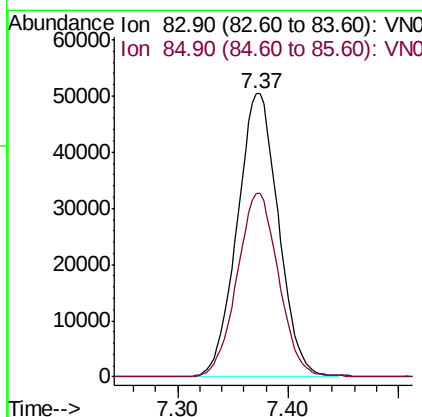
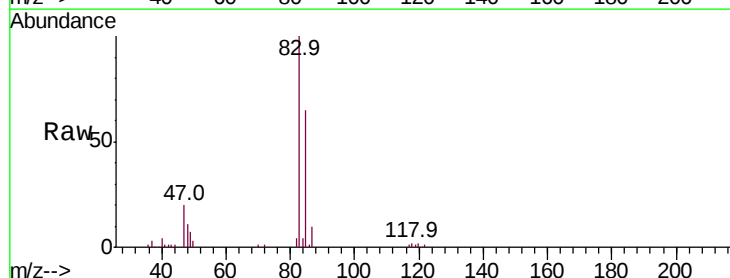
Manual Integrations
APPROVED

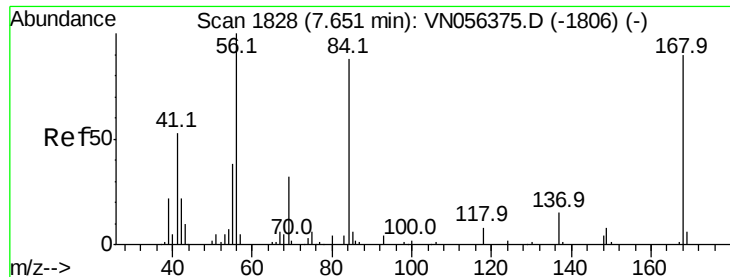
MMDadoda
6/25/2019 1:01:43 AM



#30
Chloroform
Concen: 20.420 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





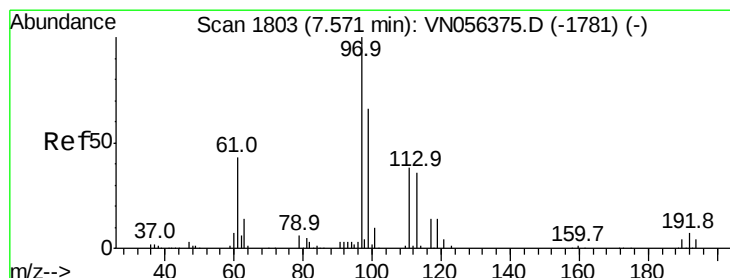
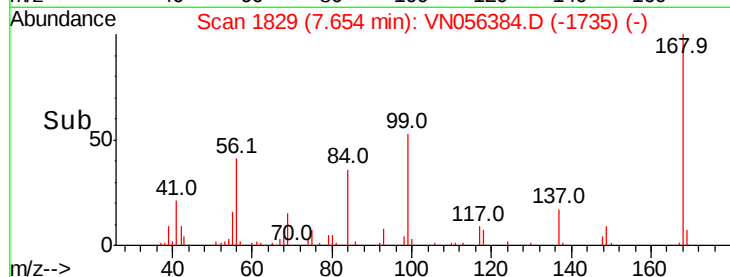
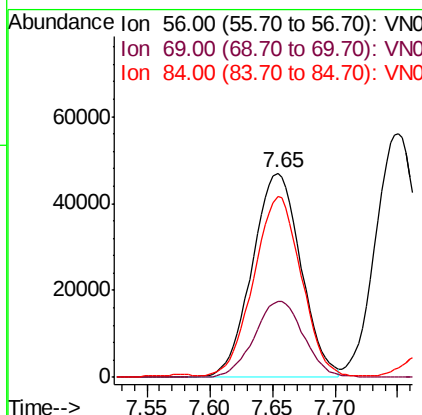
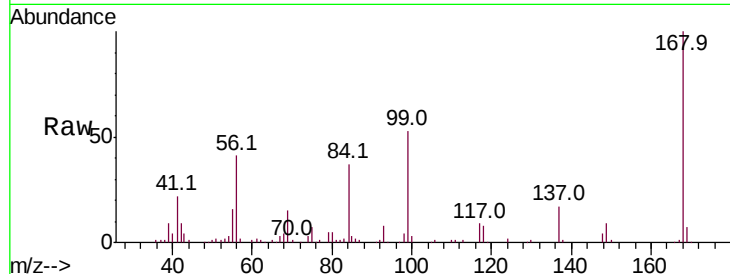
#31
Cyclohexane
Concen: 20.229 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	25.8	38.6
84	87.6	69.4	104.0

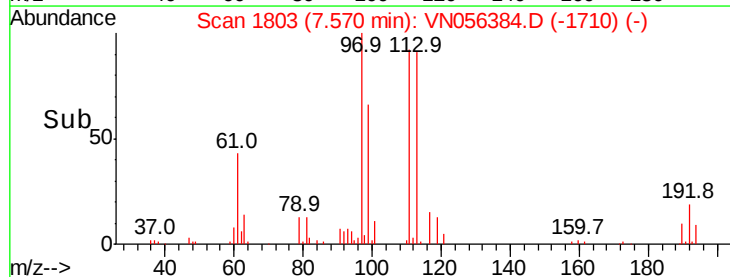
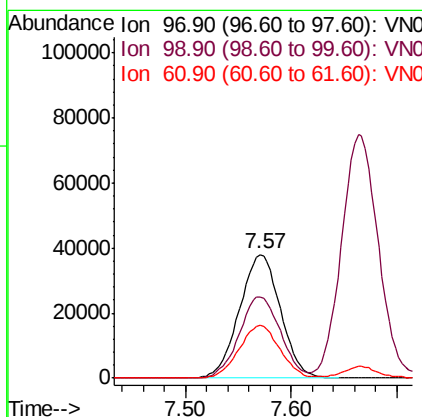
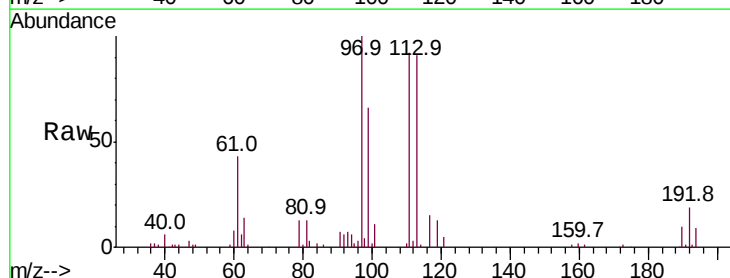
Manual Integrations
APPROVED

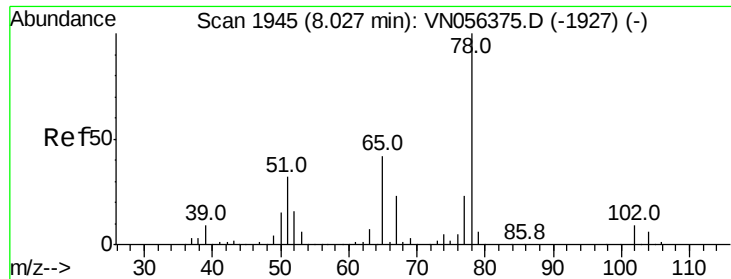
MMDadoda
6/25/2019 1:01:43 AM



#32
1,1,1-Trichloroethane
Concen: 20.252 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.8	77.6
61	42.2	33.9	50.9





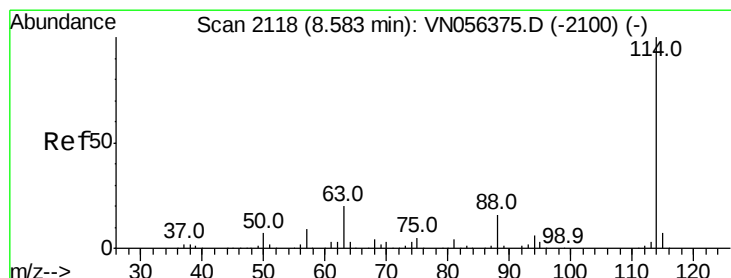
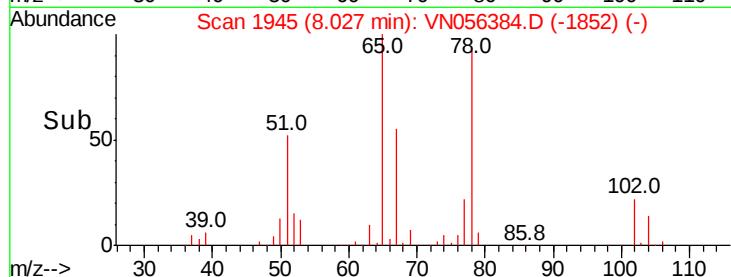
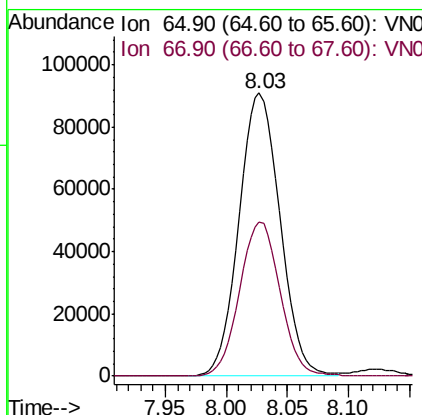
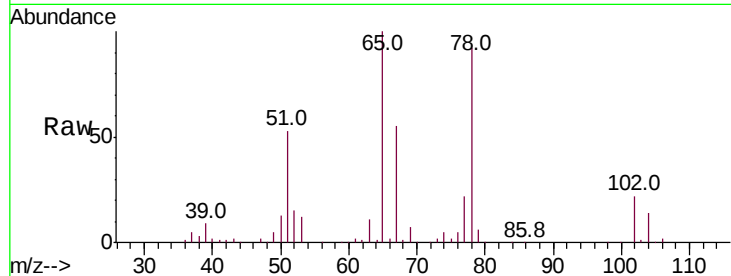
#33
 1,2-Dichloroethane-d4
 Concen: 52.150 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211622		
67	54.0	0.0	109.0	

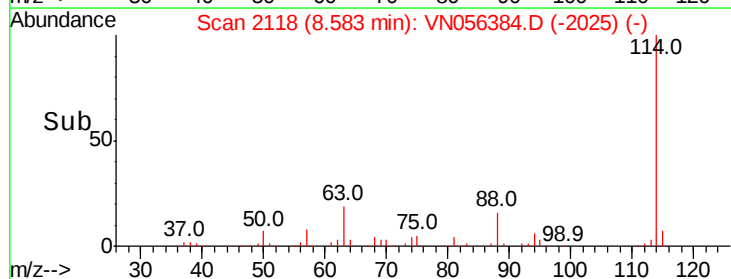
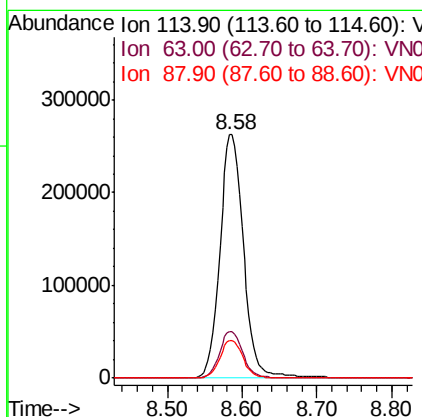
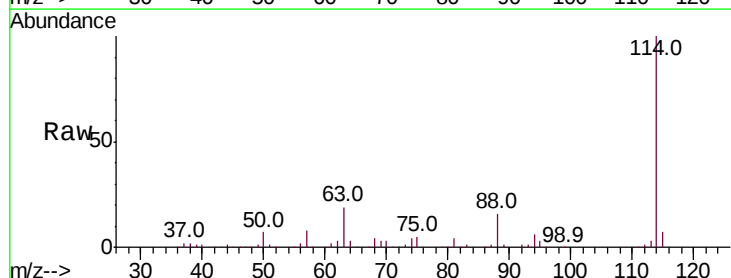
Manual Integrations
 APPROVED

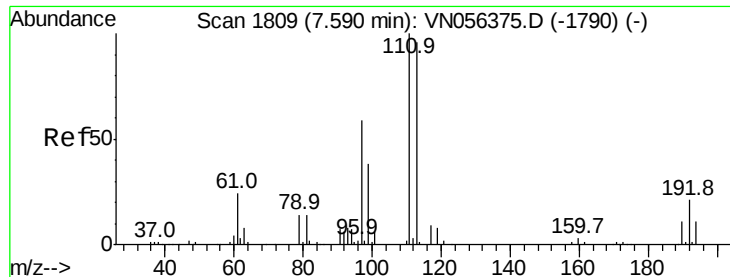
MMDadoda
 6/25/2019 1:01:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	572959		
63	19.3	0.0	39.2	
88	15.5	0.0	31.4	





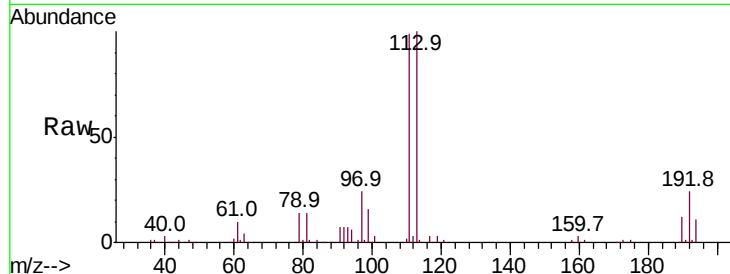
#35
 Dibromofluoromethane
 Concen: 50.632 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180975		
111	102.7		82.9	124.3
192	22.1		17.7	26.5

Manual Integrations
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MMDadoda
 6/25/2019 1:01:43 AM

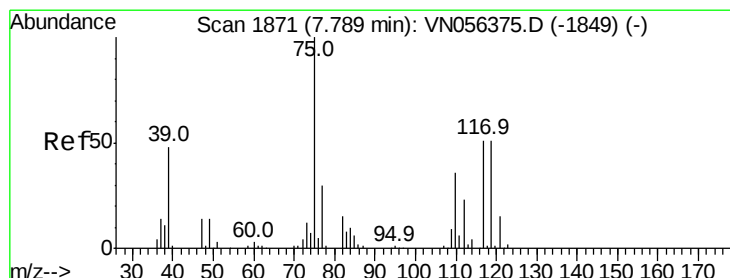
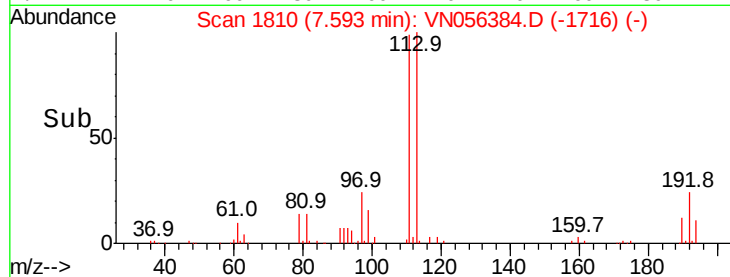
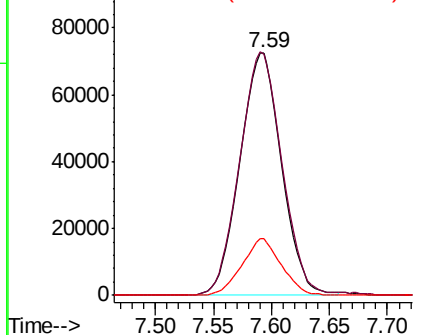


Abundance

Ion 112.80 (112.50 to 113.50): V

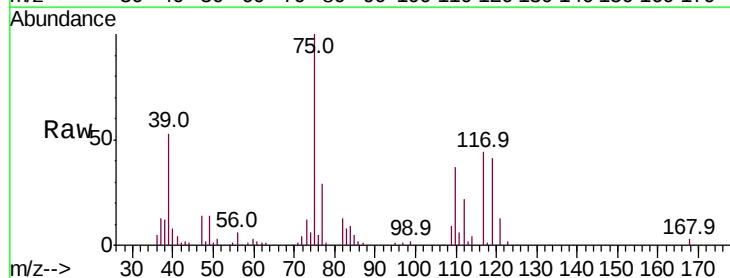
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.447 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98072		
110	35.8		18.1	54.3
77	30.3		24.6	36.8

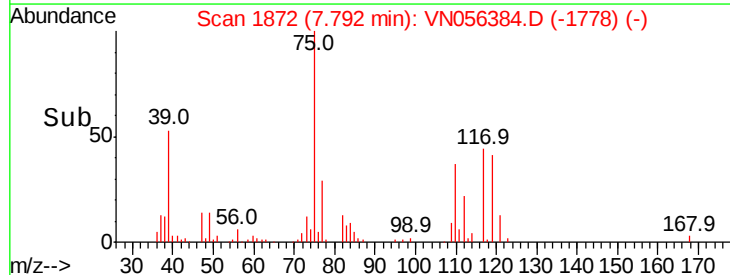
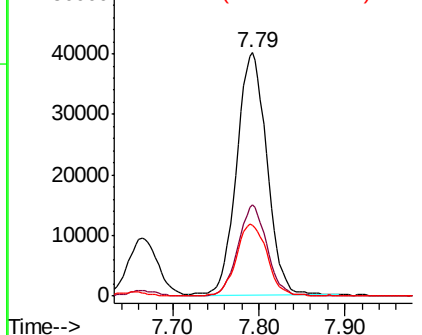


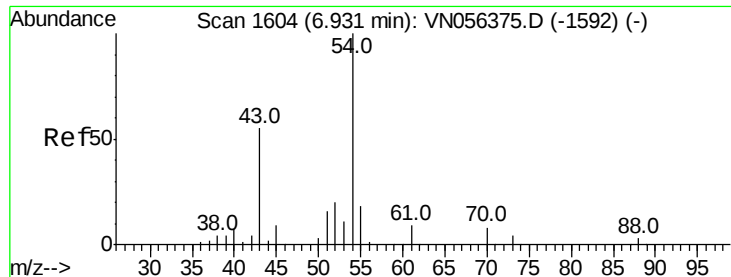
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





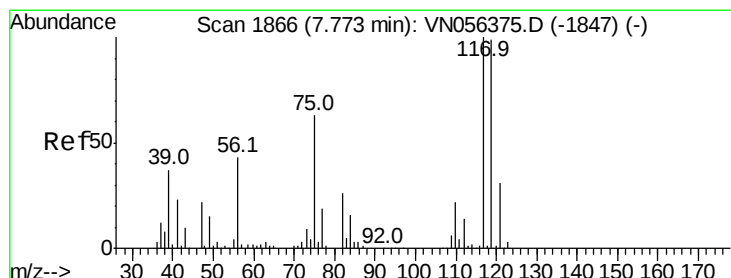
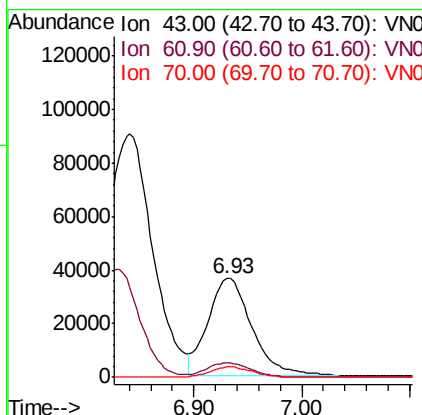
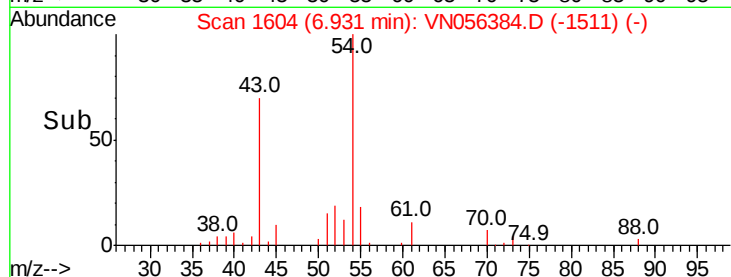
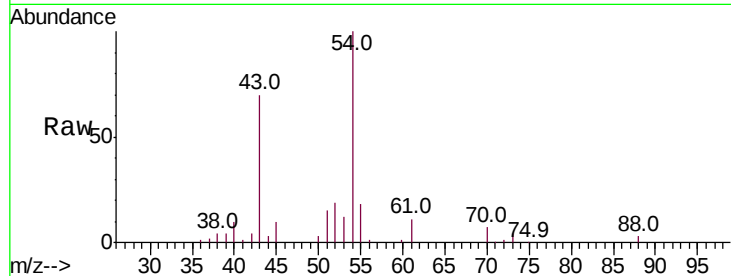
#37
Ethyl Acetate
Concen: 20.953 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.1	16.7
70	10.2	8.3	12.5

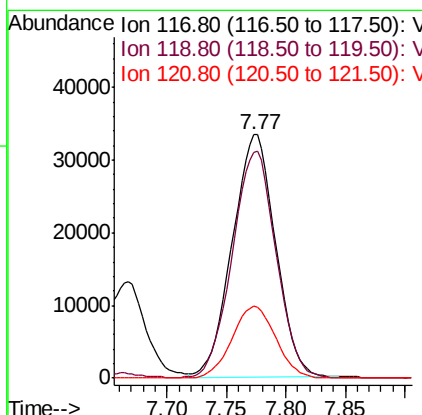
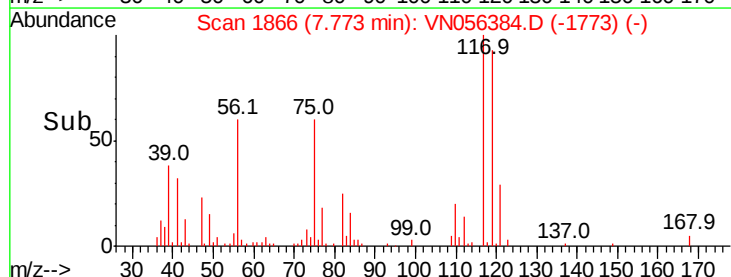
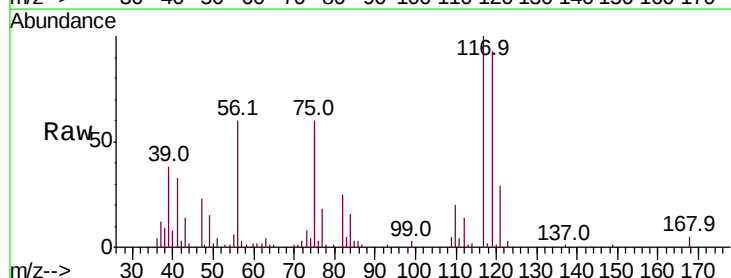
Manual Integrations
APPROVED

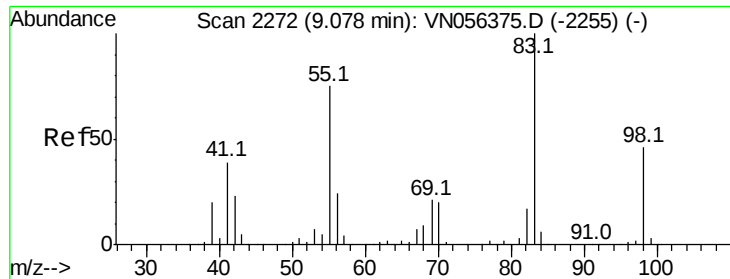
MMDadoda
6/25/2019 1:01:43 AM



#38
Carbon Tetrachloride
Concen: 19.029 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	79.1	118.7
121	29.6	24.8	37.2





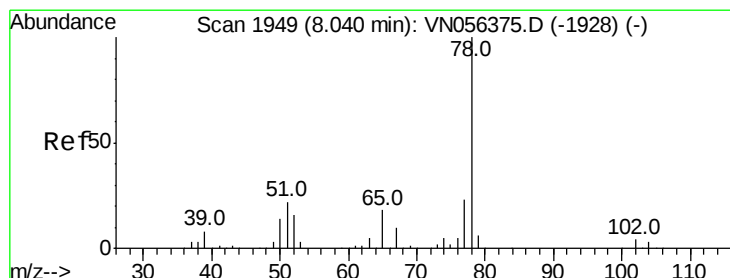
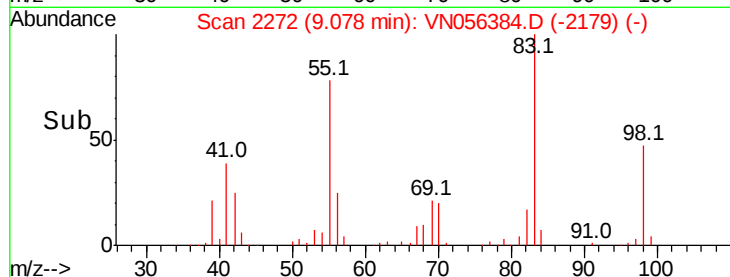
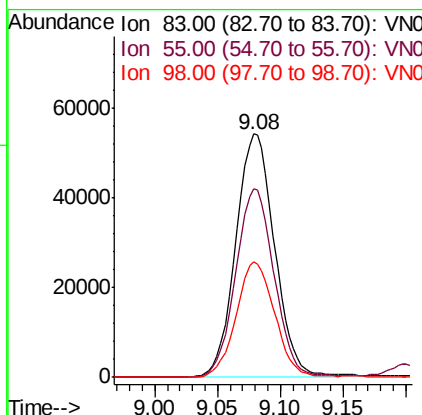
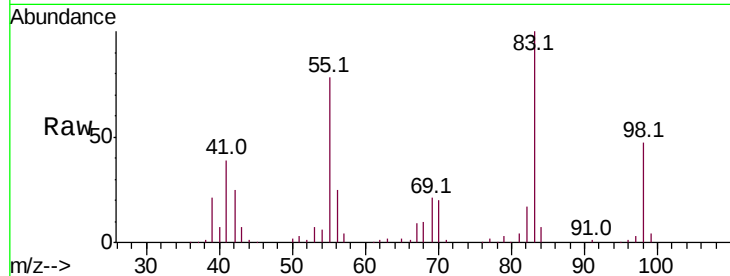
#39
Methvlcvclohexane
Concen: 18.788 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	60.0	90.0
98	47.5	36.6	54.8

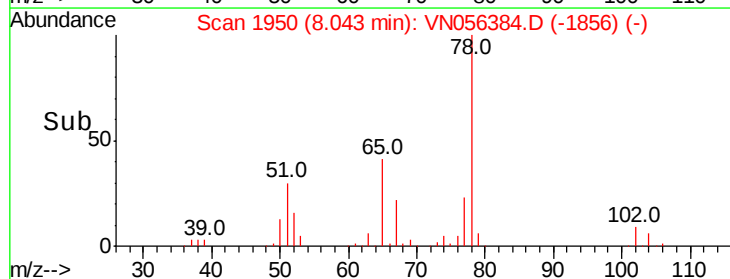
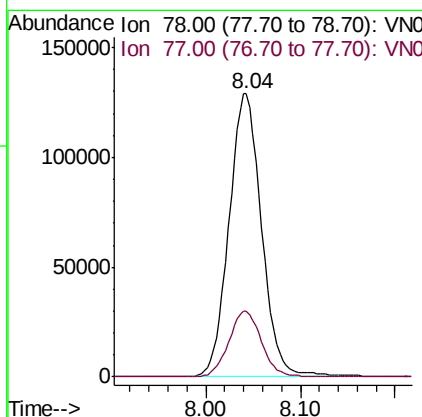
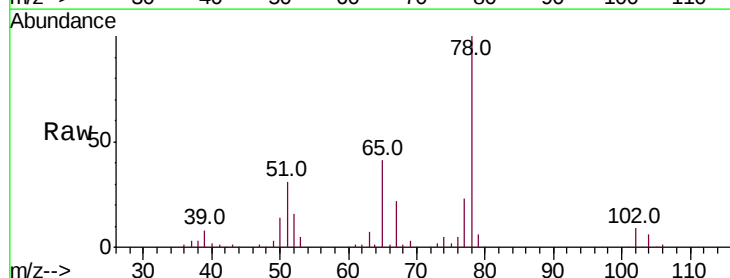
Manual Integrations
APPROVED

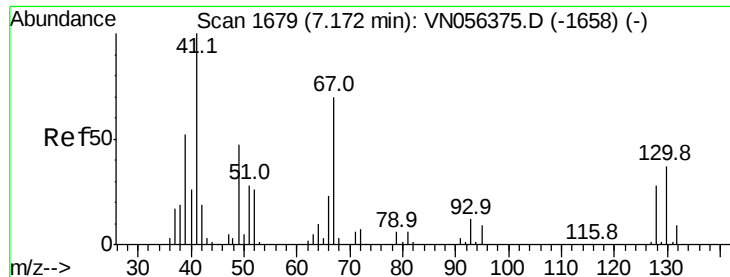
MMDadoda
6/25/2019 1:01:43 AM



#40
Benzene
Concen: 19.842 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.3	27.5





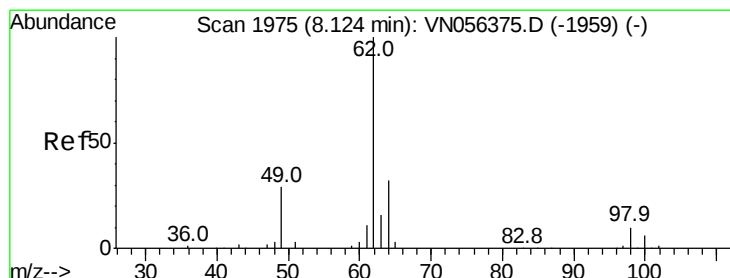
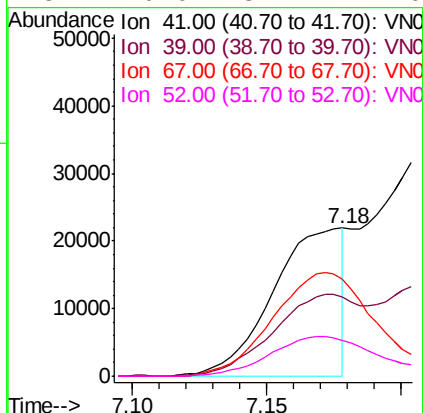
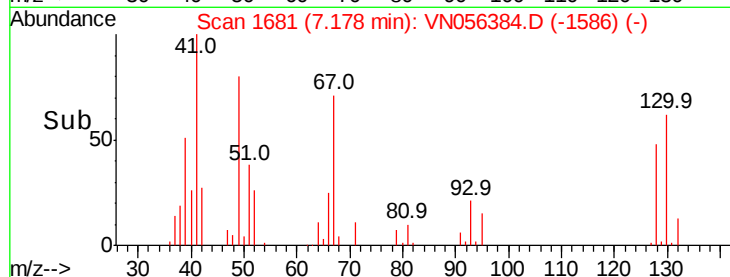
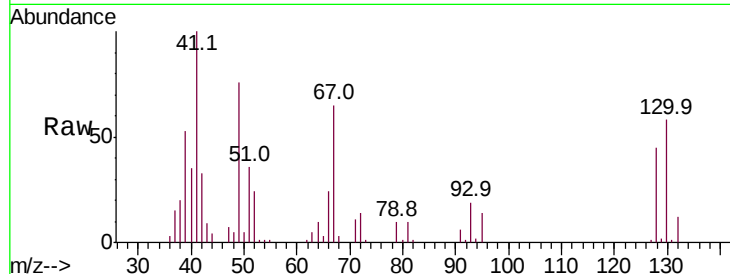
#41
Methacrylonitrile
Concen: 18.210 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

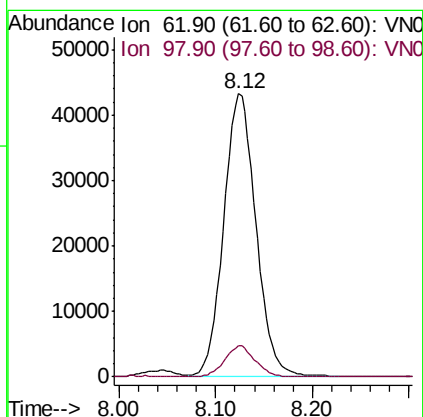
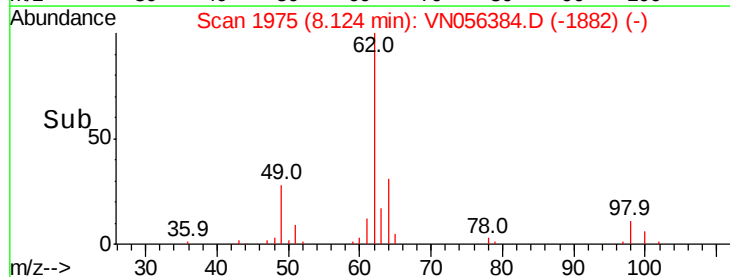
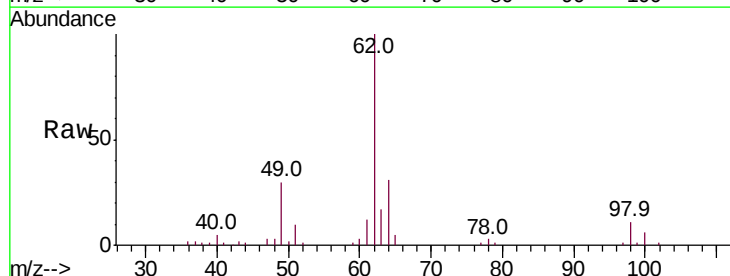
Manual Integrations
APPROVED

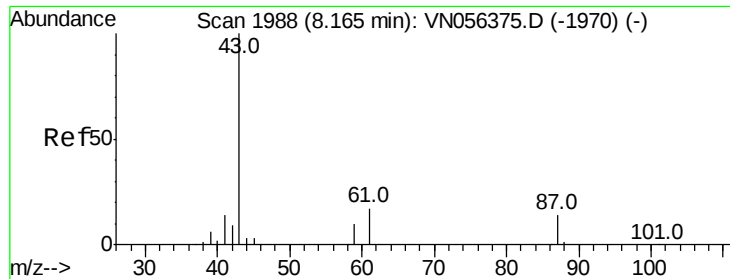
MMDadoda
6/25/2019 1:01:43 AM



#42
1,2-Dichloroethane
Concen: 19.661 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.531 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

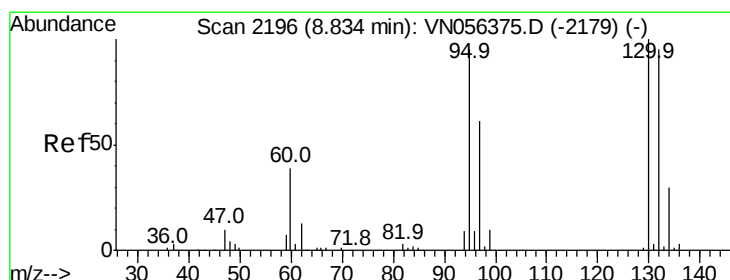
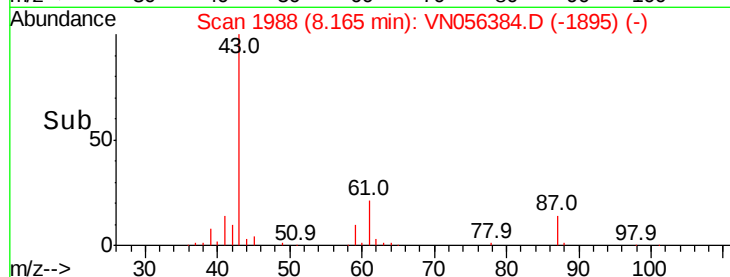
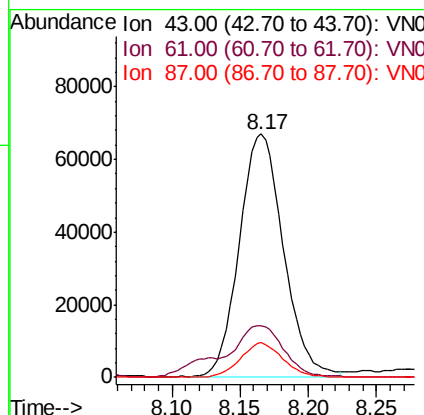
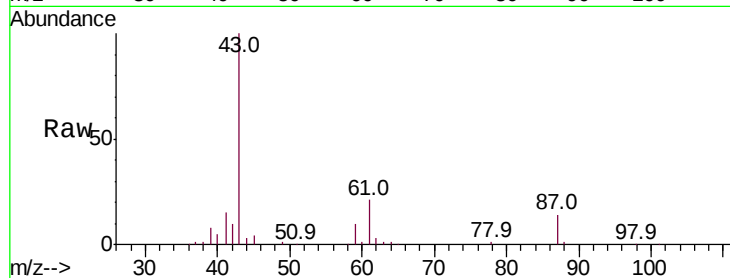
ClientSampleId :

VN0619WBSD01

Tot Ion:	43	Resp:	149255
Ion	Ratio	Lower	Upper
43	100		
61	22.1	22.0	33.0
87	13.8	11.0	16.4

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#44

Trichloroethene

Concen: 19.782 ug/l

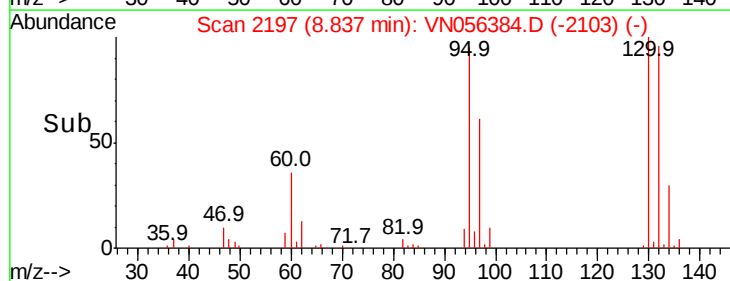
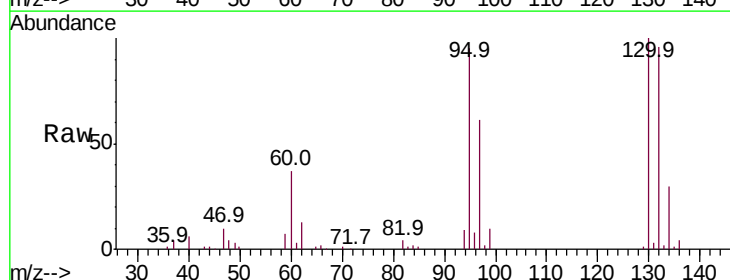
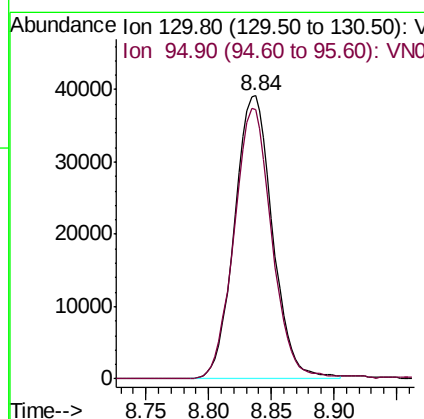
RT: 8.84 min Scan# 2197

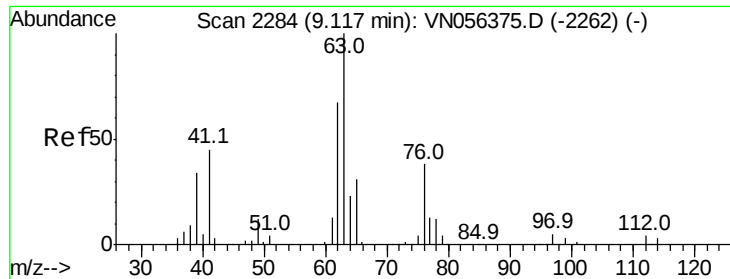
Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion:	130	Resp:	82664
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	191.0





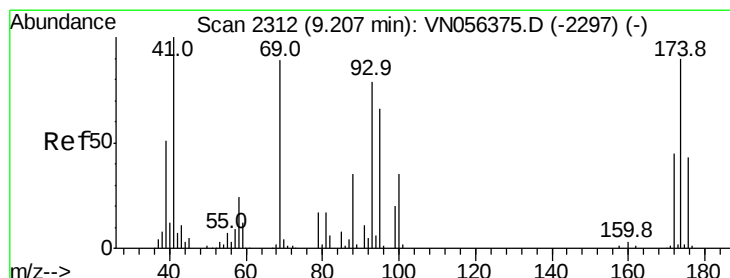
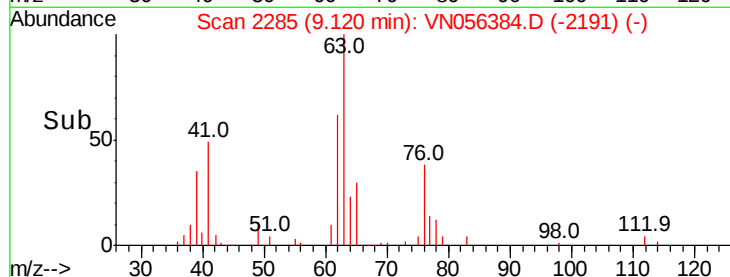
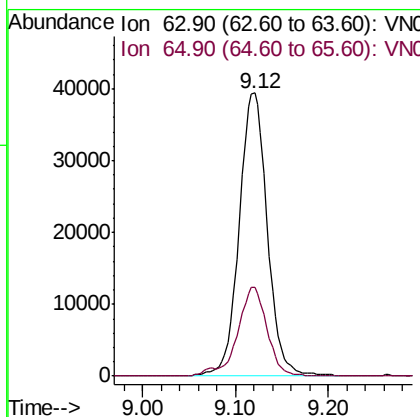
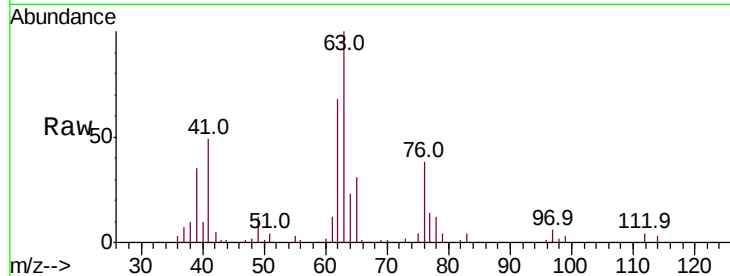
#45
 1,2-Dichloropropane
 Concen: 19.993 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion: 63 Resp: 82942
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

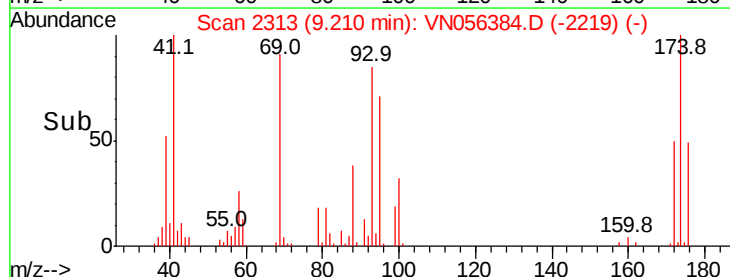
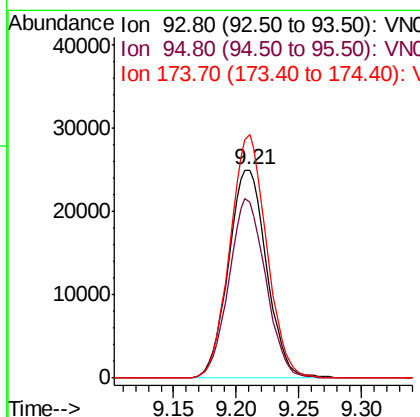
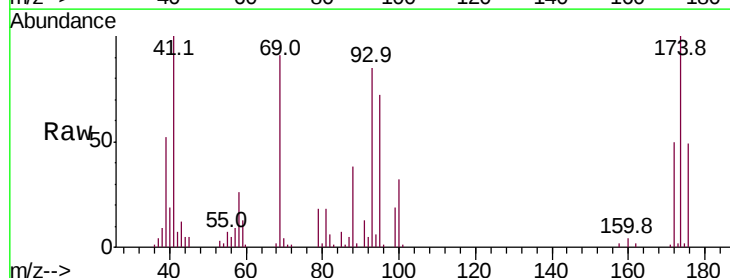
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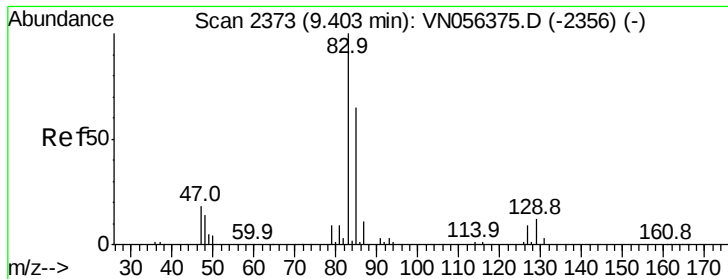
MMDadoda
 6/25/2019 1:01:43 AM



#46
 Dibromomethane
 Concen: 20.323 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 93 Resp: 52749
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.2
 174 112.5 90.8 136.2





#47

Bromodichloromethane

Concen: 19.605 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

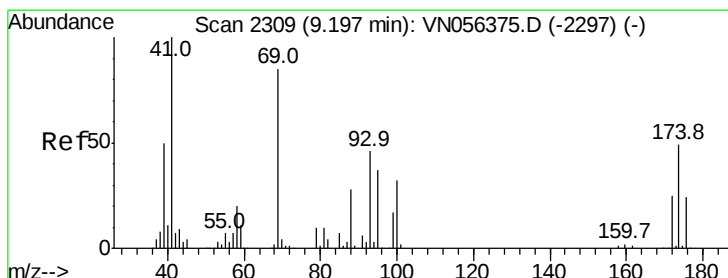
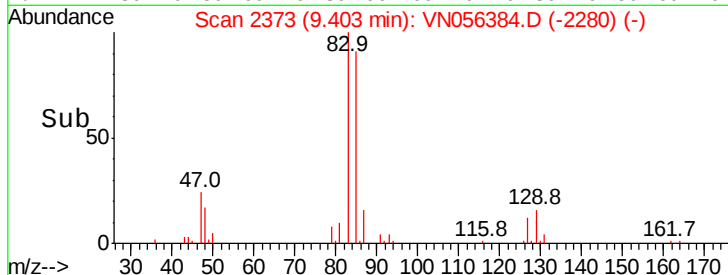
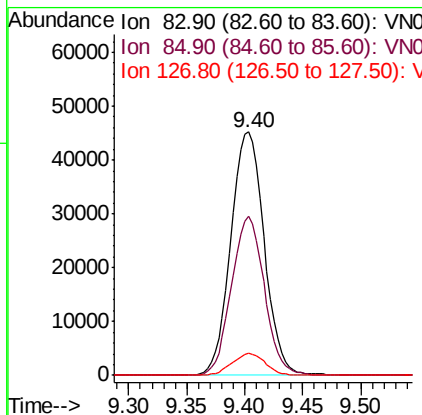
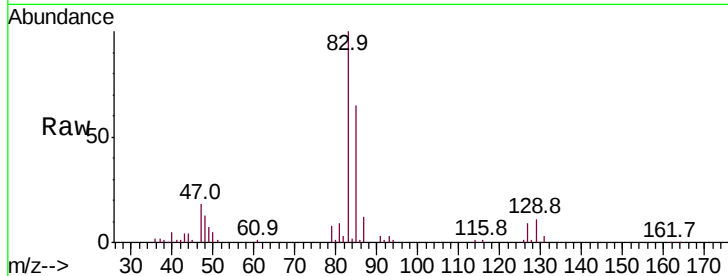
ClientSampleId :

VN0619WBSD01

Tot Ion:	83	Resp:	90248
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.2	78.4
127	8.9	7.3	10.9

Manual Integrations
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MMDadoda
6/25/2019 1:01:43 AM



#48

Methyl methacrylate

Concen: 19.024 ug/l

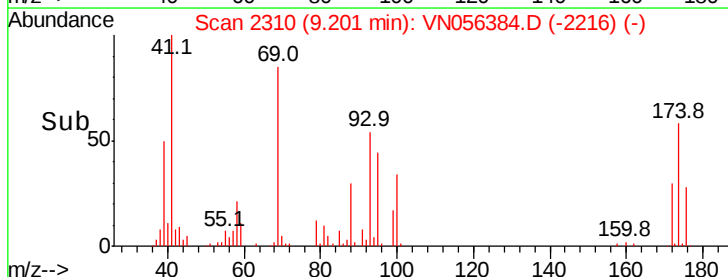
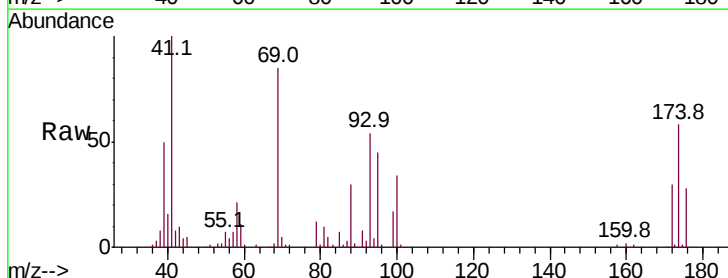
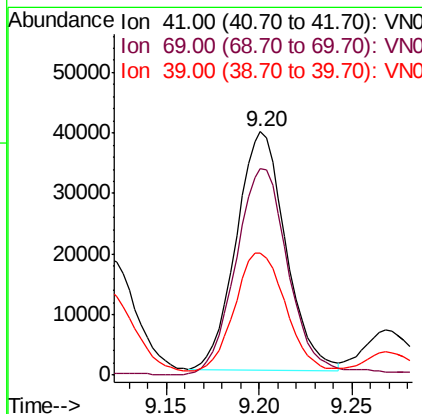
RT: 9.20 min Scan# 2310

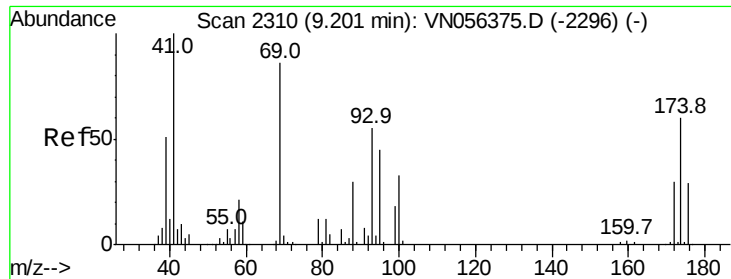
Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion:	41	Resp:	72855
Ion Ratio	Lower	Upper	
41	100		
69	93.5	72.6	109.0
39	53.9	42.6	63.8





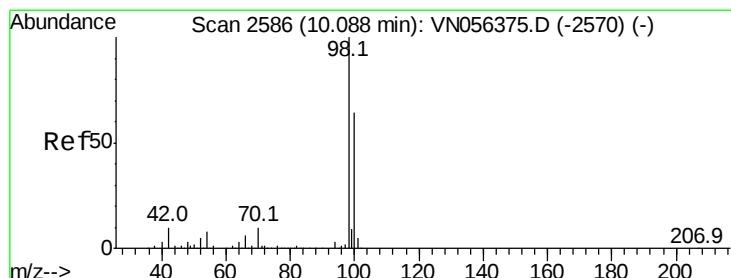
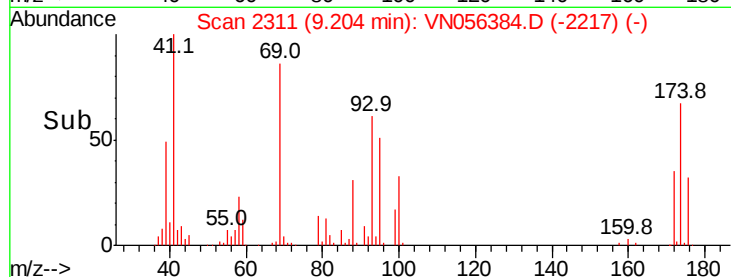
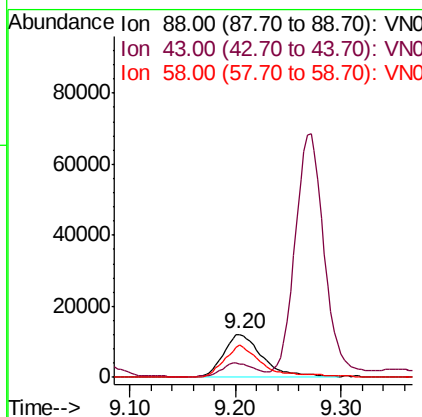
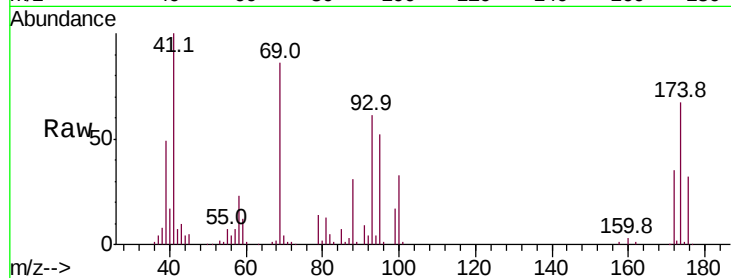
#49
1,4-Dioxane
Concen: 394.476 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	22.0	33.0
58	73.2	51.8	77.8

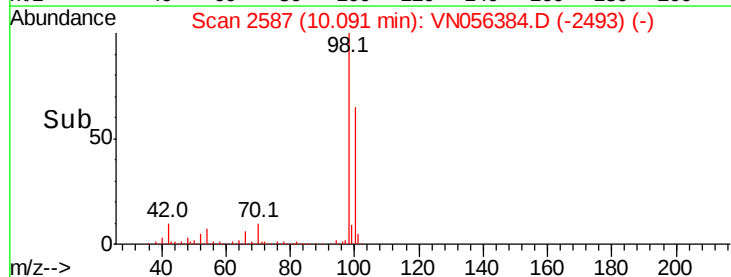
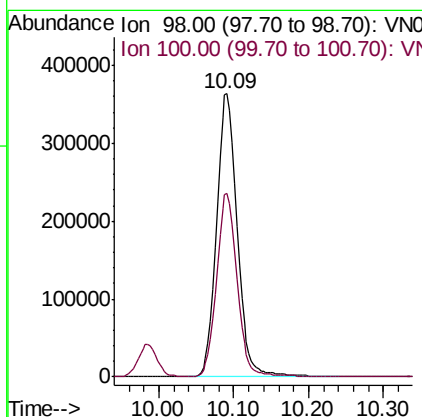
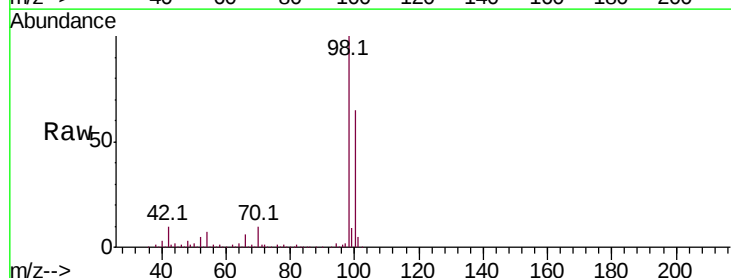
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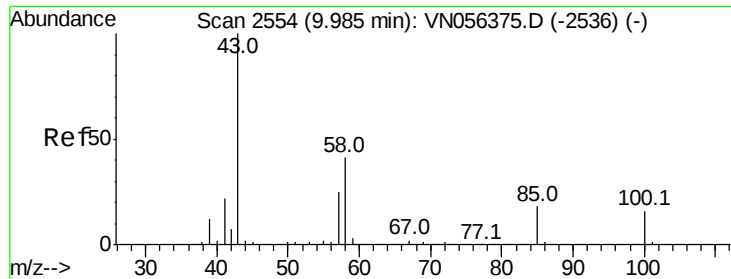
MMDadoda
6/25/2019 1:01:43 AM



#50
Toluene-d8
Concen: 50.260 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 100.574 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 43 Resp: 496076

Ion Ratio Lower Upper

43 100

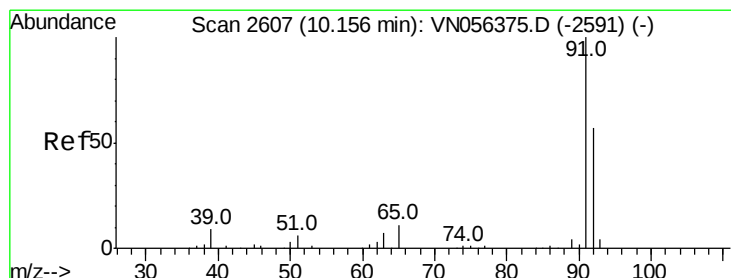
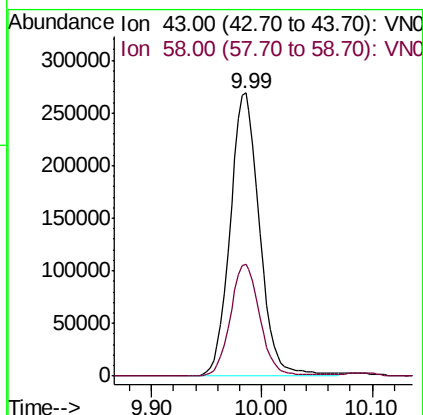
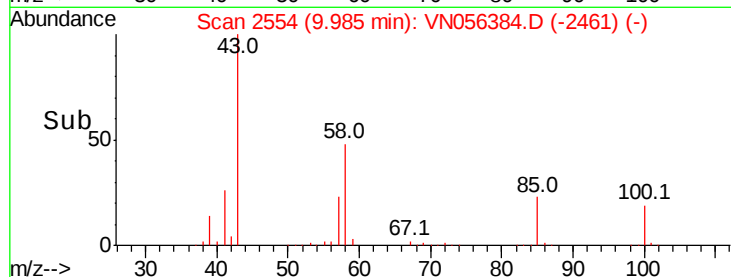
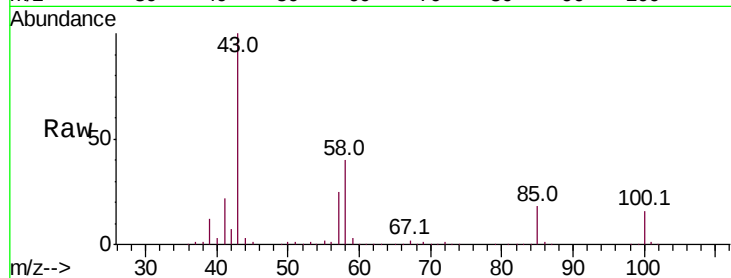
58 39.8 31.8 47.8

Manual Integrations

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6/25/2019 1:01:43 AM



#52

Toluene

Concen: 19.870 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056384.D

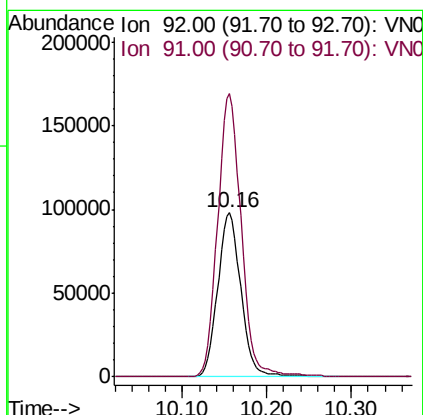
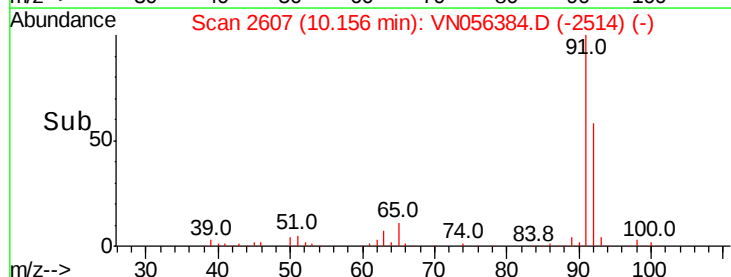
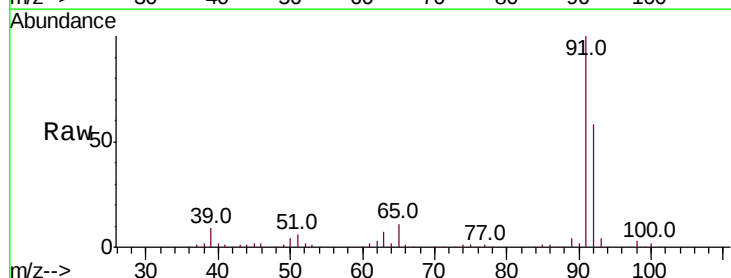
Acq: 19 Jun 2019 14:09

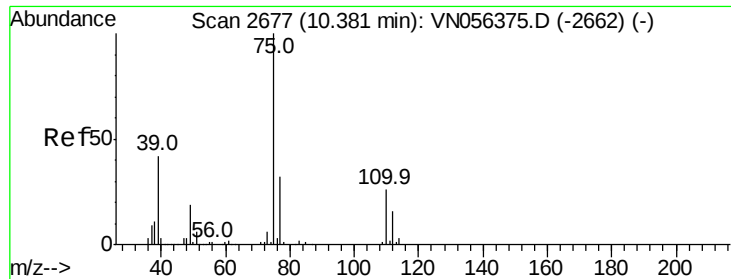
Tgt Ion: 92 Resp: 188445

Ion Ratio Lower Upper

92 100

91 174.2 140.6 211.0





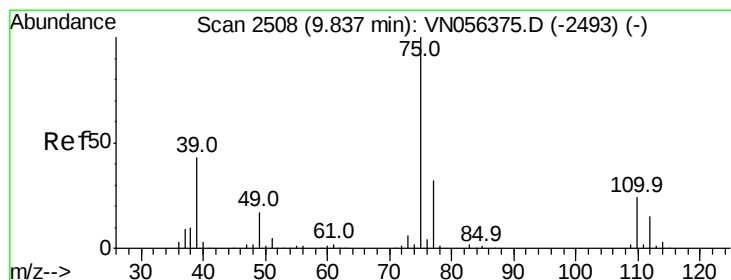
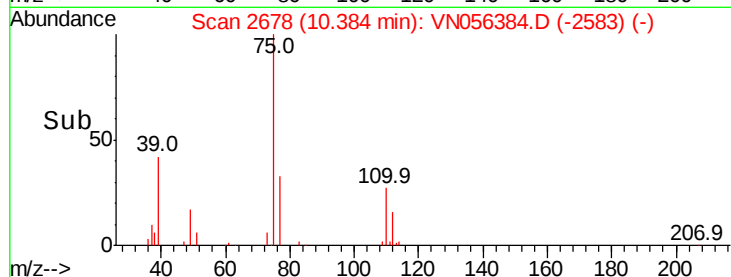
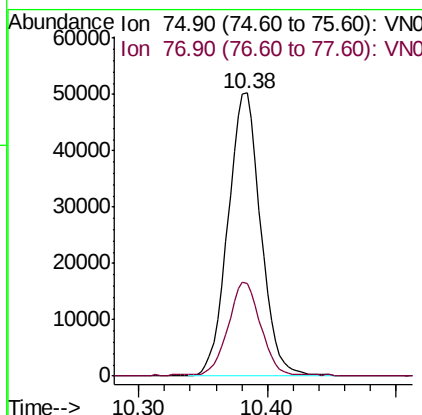
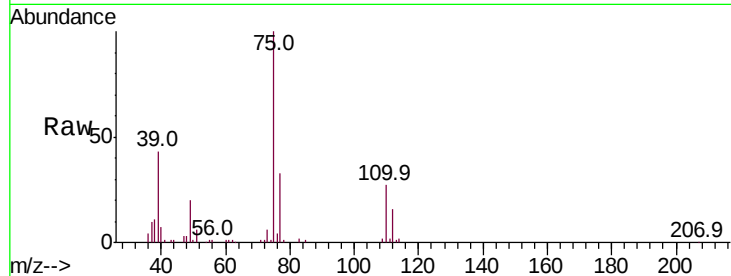
#53
t-1,3-Dichloropropene
Concen: 18.483 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 75 Resp: 88728
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

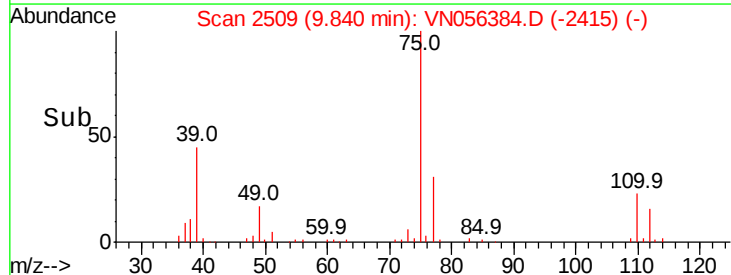
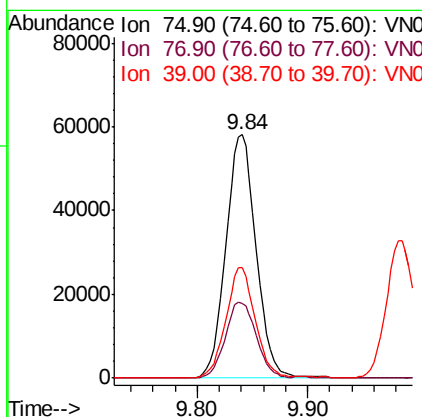
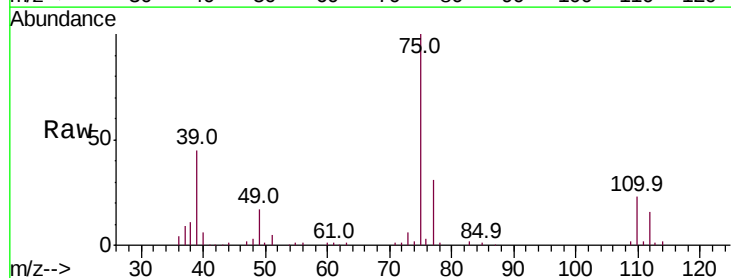
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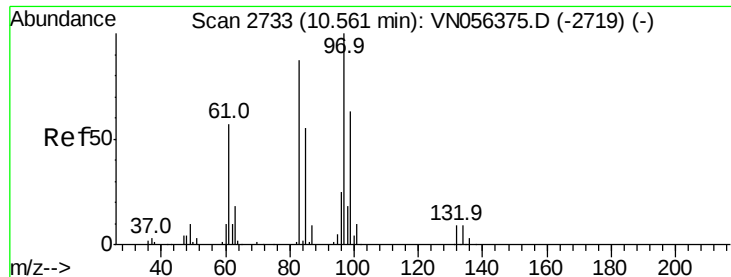
MMDadoda
6/25/2019 1:01:43 AM



#54
cis-1,3-Dichloropropene
Concen: 19.890 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 75 Resp: 110259
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 45.3 34.2 51.4





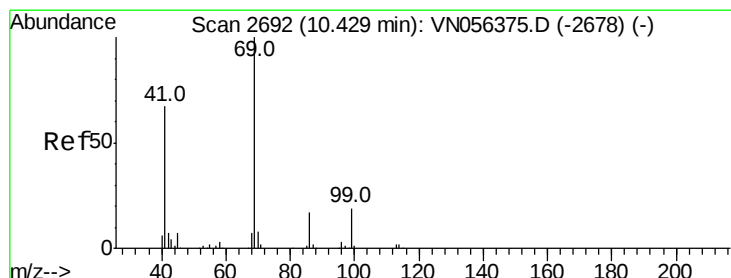
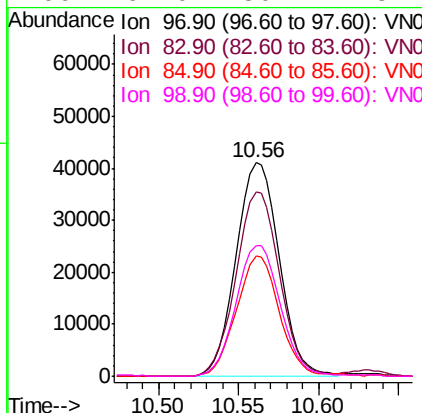
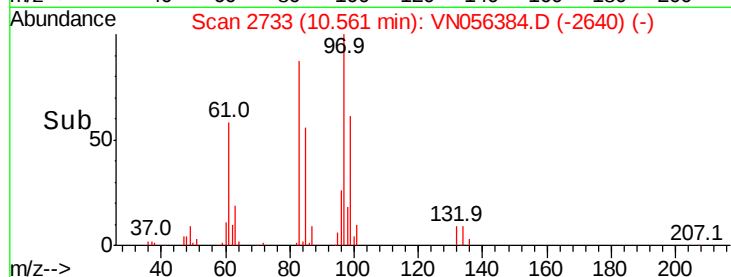
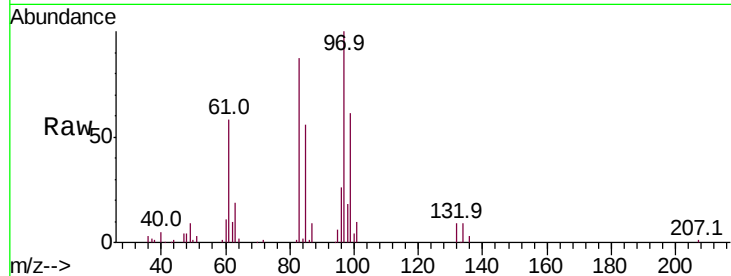
#55
 1,1,2-Trichloroethane
 Concen: 19.933 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion:	97	Resp:	75988
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.8	104.6
85	56.3	43.8	65.8
99	61.0	50.2	75.2

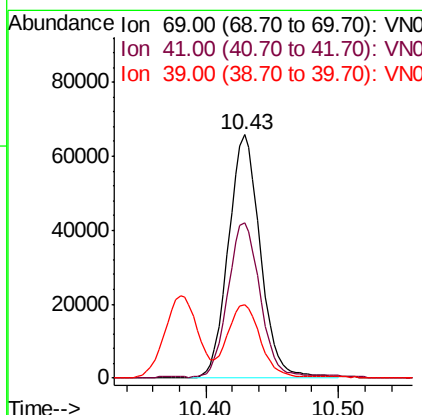
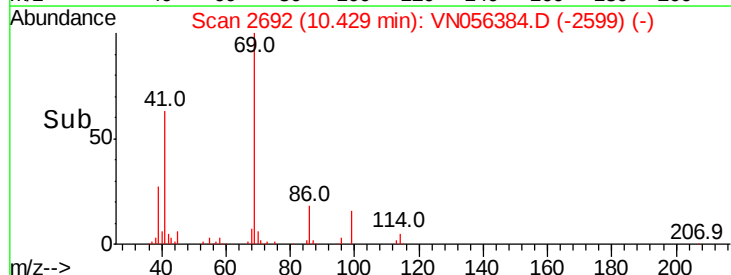
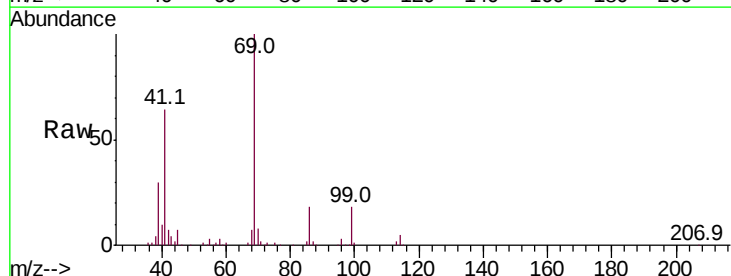
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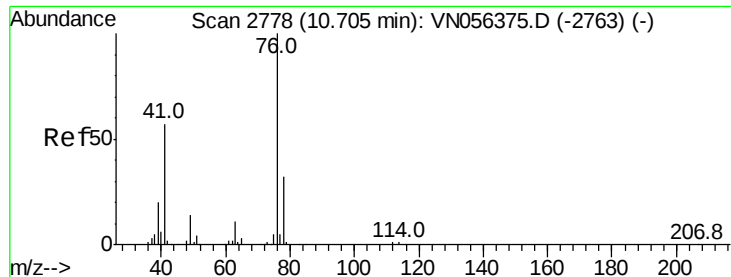
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 6/25/2019 1:01:43 AM



#56
 Ethyl methacrylate
 Concen: 19.830 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion:	69	Resp:	110478
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.4	77.2
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.271 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 76 Resp: 129821

Ion Ratio Lower Upper

76 100

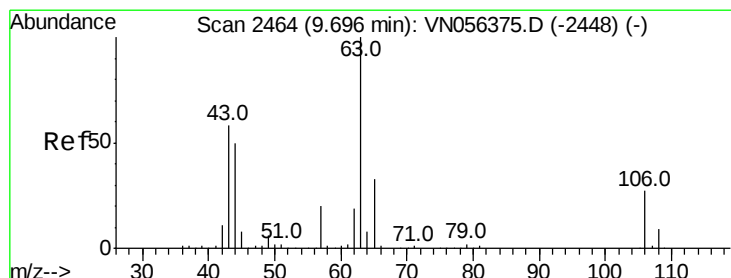
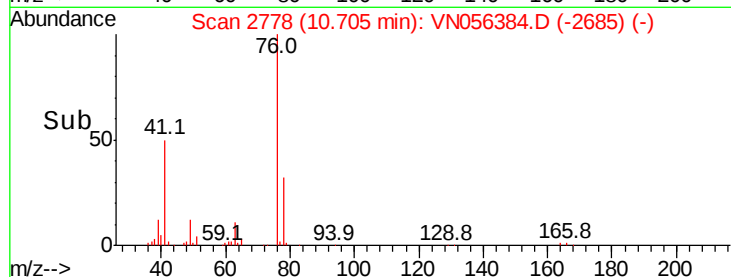
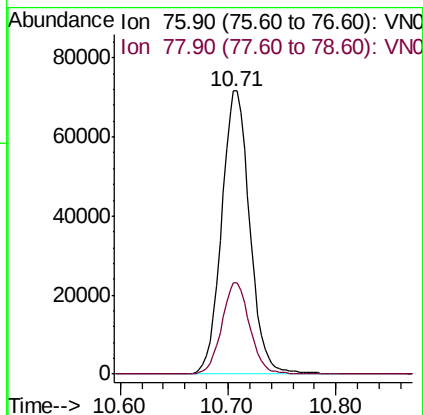
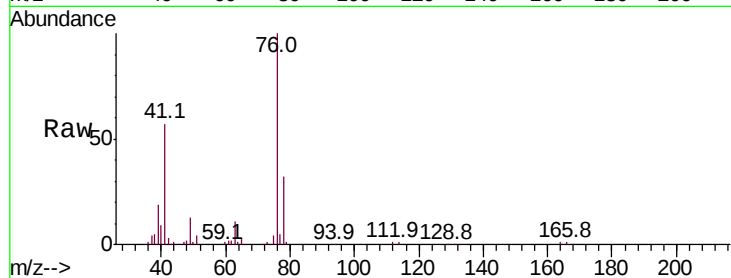
78 31.9 25.9 38.9

Manual Integrations

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MMDadoda

6/25/2019 1:01:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 91.336 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN056384.D

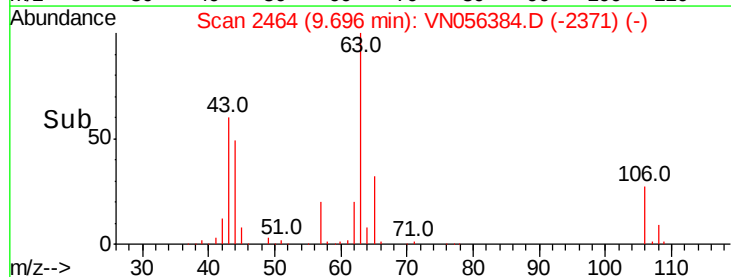
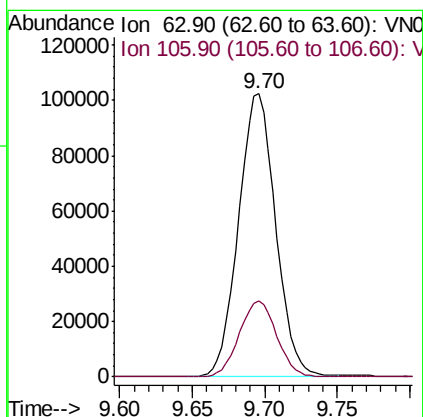
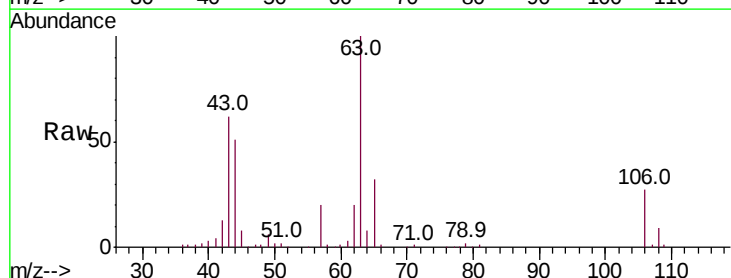
Acq: 19 Jun 2019 14:09

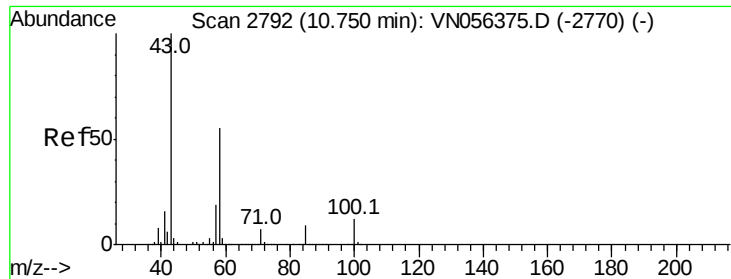
Tgt Ion: 63 Resp: 182806

Ion Ratio Lower Upper

63 100

106 27.0 21.6 32.4





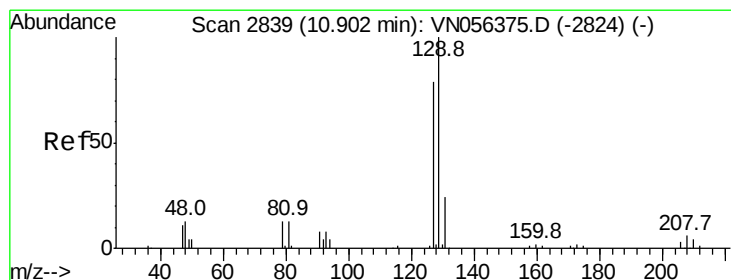
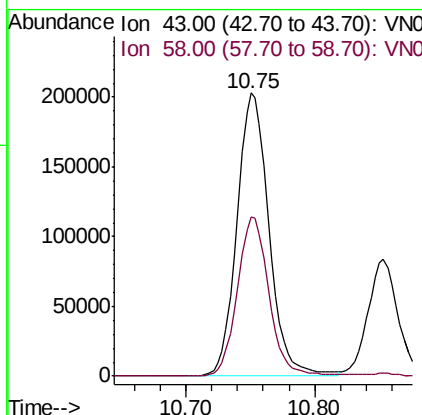
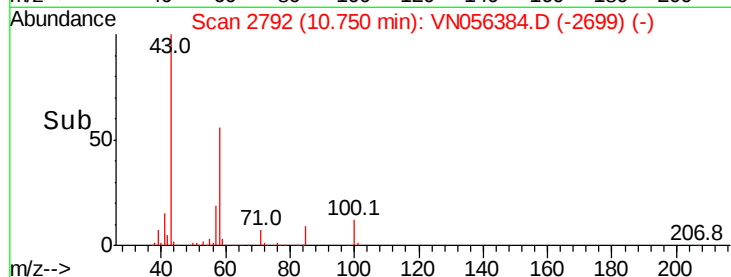
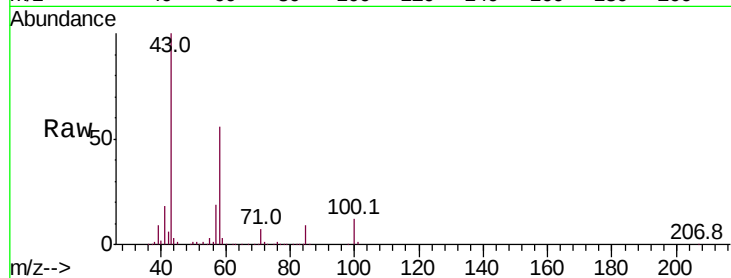
#59
2-Hexanone
Concen: 96.359 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 43 Resp: 349322
Ion Ratio Lower Upper
43 100
58 55.8 27.8 83.4

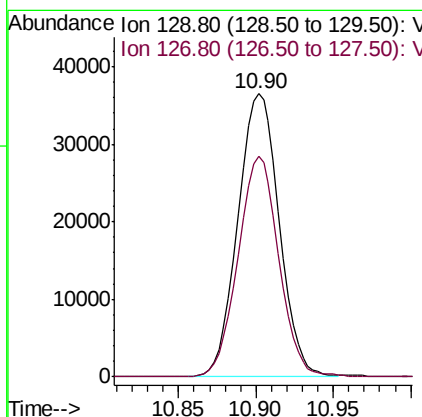
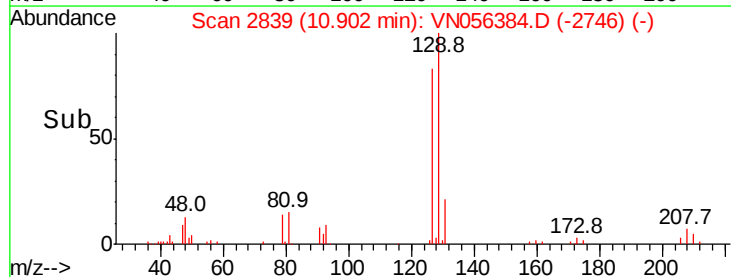
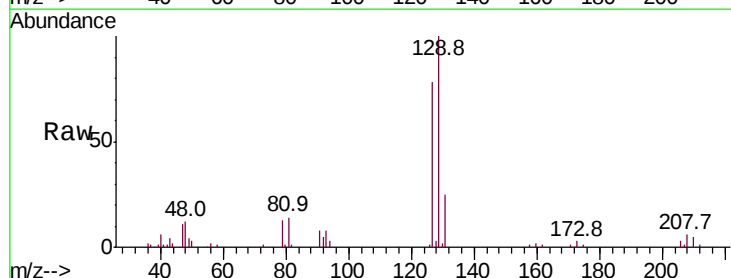
Manual Integrations
APPROVED

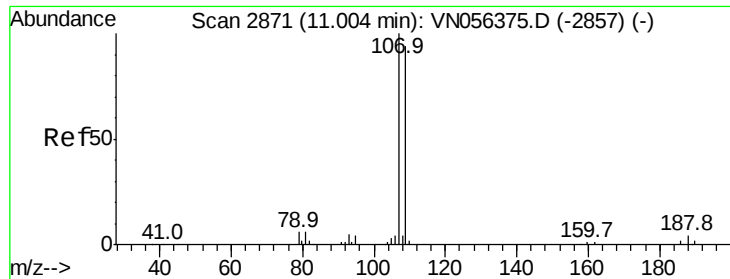
MMDadoda
6/25/2019 1:01:43 AM



#60
Dibromochloromethane
Concen: 18.890 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 129 Resp: 67923
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





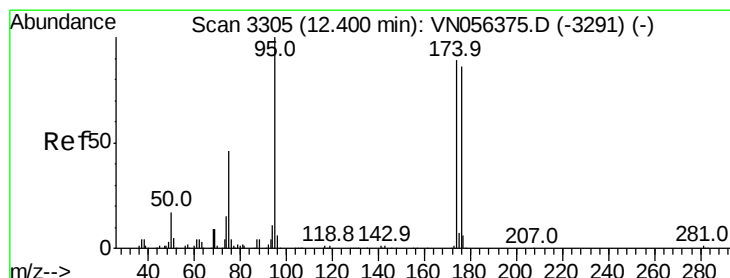
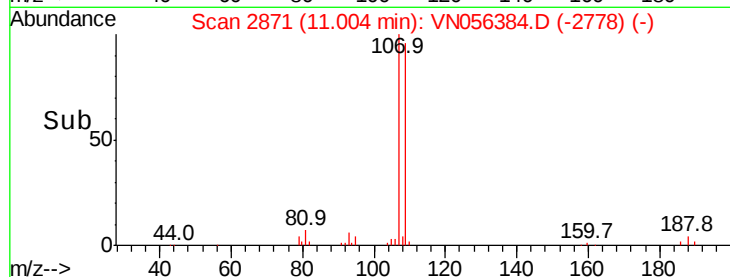
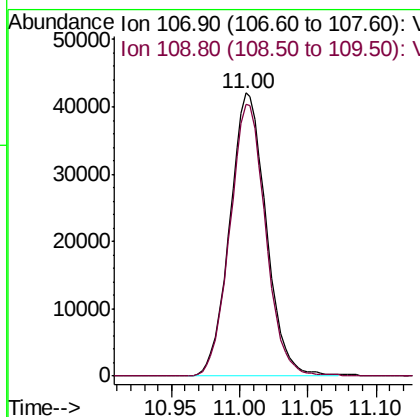
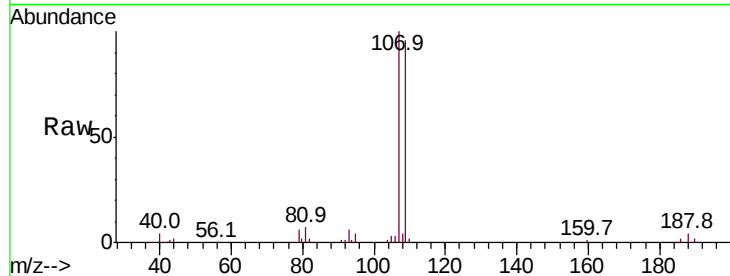
#61
 1,2-Dibromoethane
 Concen: 19.984 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

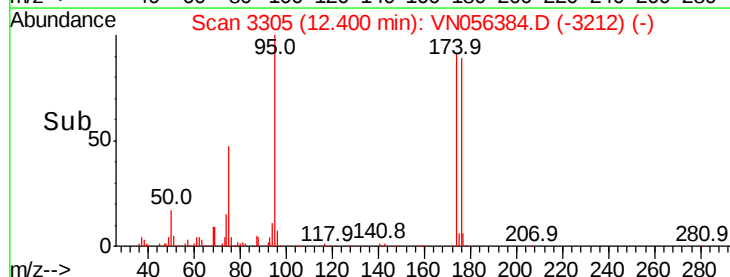
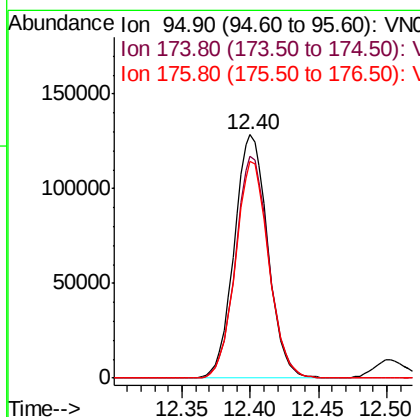
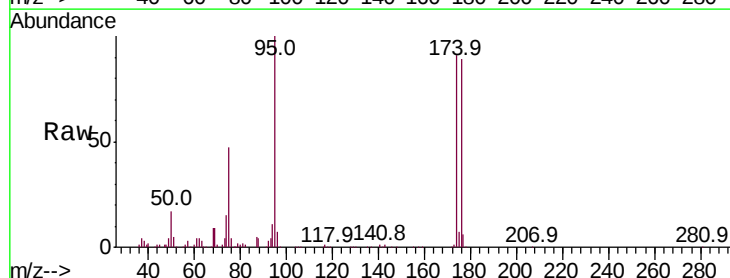
Manual Integrations
 APPROVED

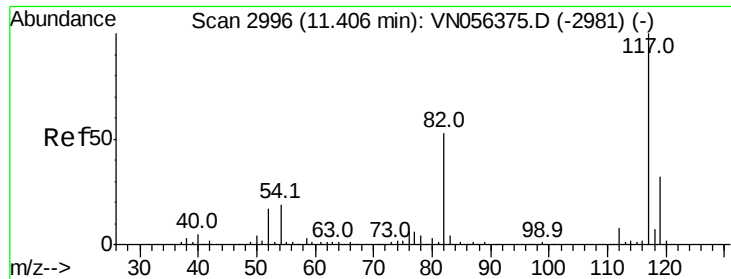
MMDadoda
 6/25/2019 1:01:43 AM



#62
 4-Bromofluorobenzene
 Concen: 47.244 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	179.4
176	88.4	0.0	173.4





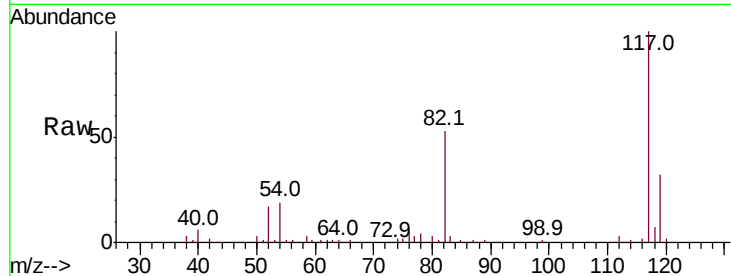
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.0	63.0
119	32.4	25.3	37.9

Manual Integrations
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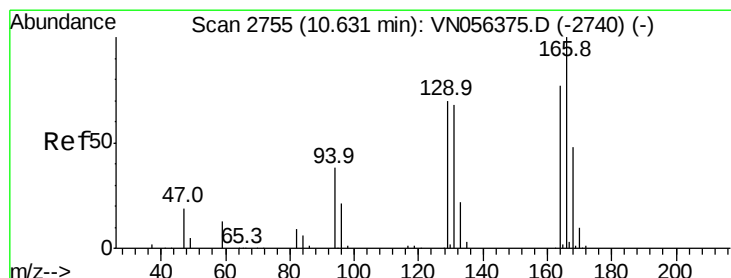
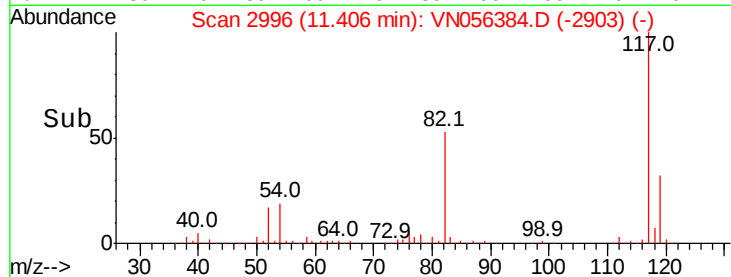
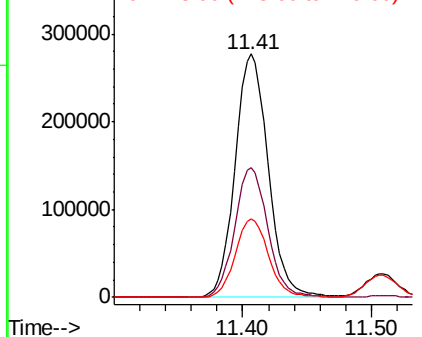


Abundance

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: 19.993 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	103.4	155.0
129	90.6	72.0	108.0
131	86.2	70.2	105.2

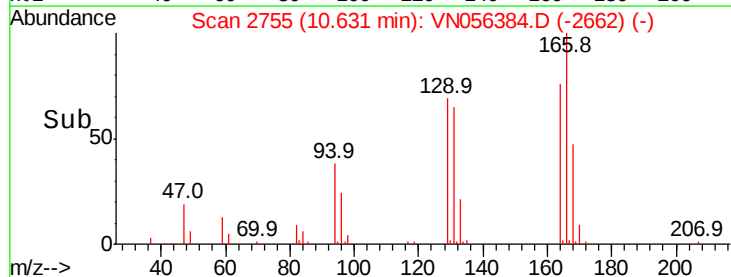
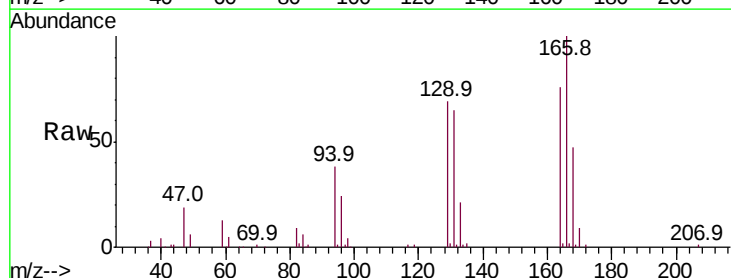
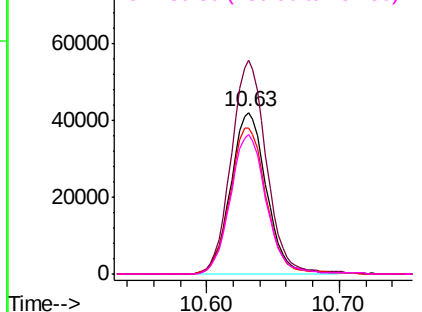
Abundance

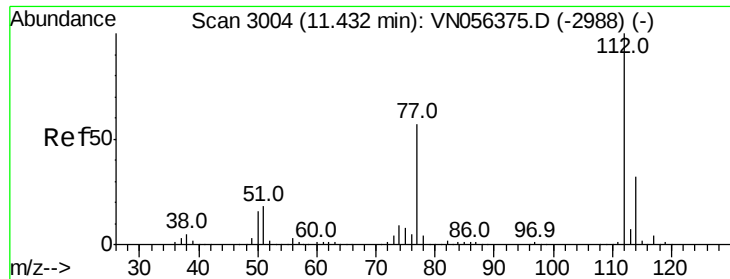
Ion 163.80 (163.50 to 164.50): V

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





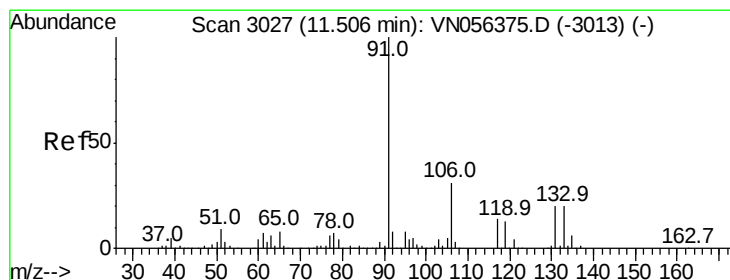
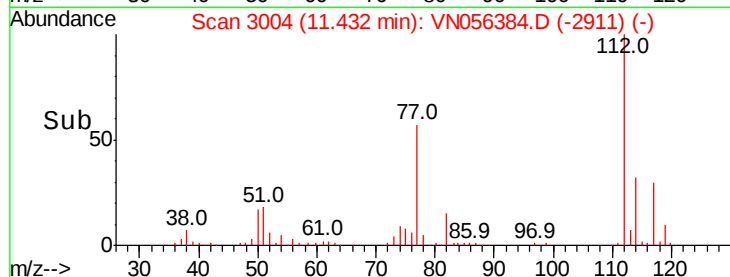
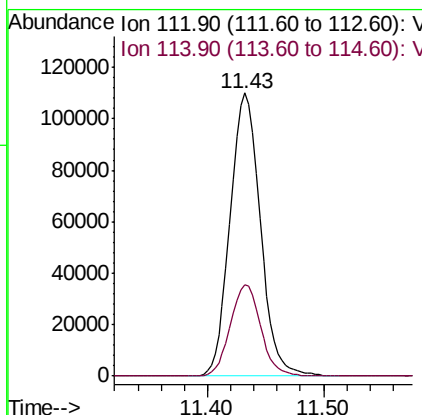
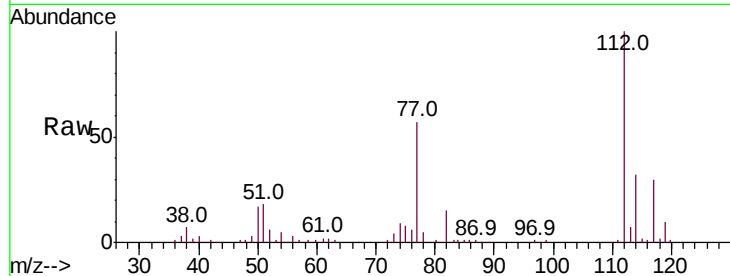
#65
Chlorobenzene
Concen: 19.938 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion:112 Resp: 198853
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2

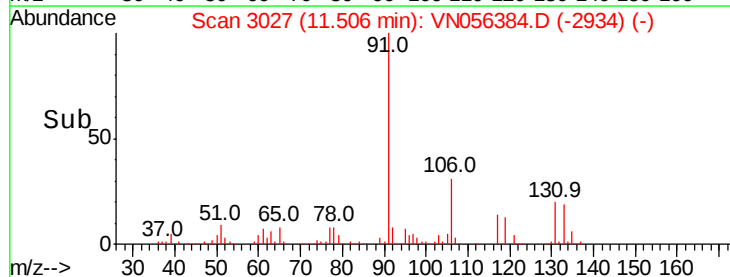
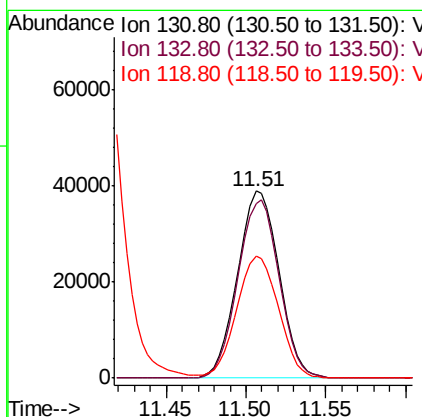
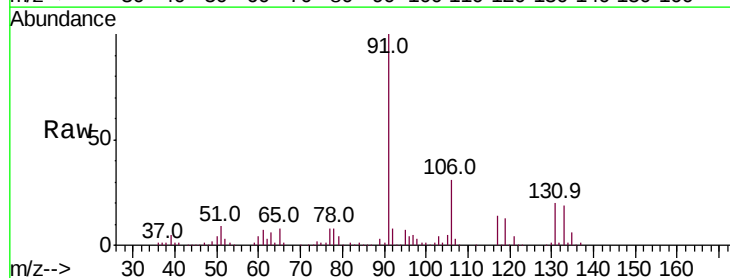
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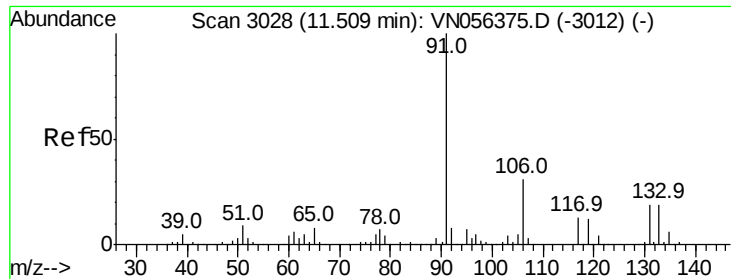
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.472 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion:131 Resp: 69008
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 66.1 32.8 98.4





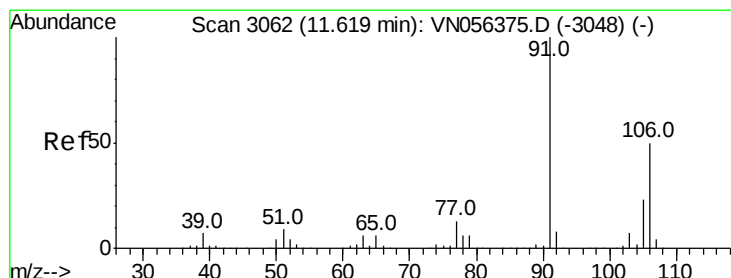
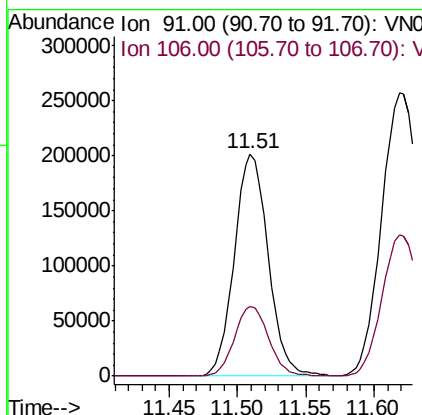
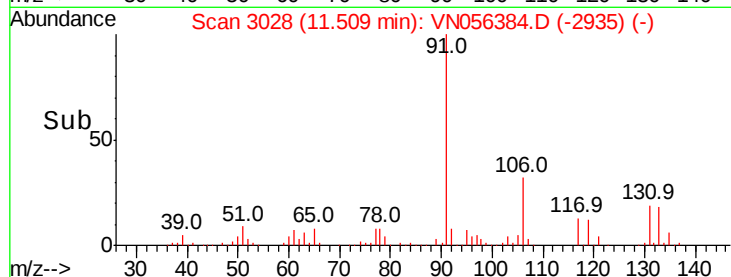
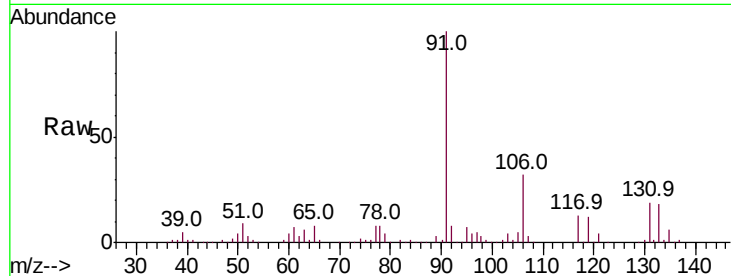
#67
Ethyl Benzene
Concen: 19.904 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 91 Resp: 348567
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

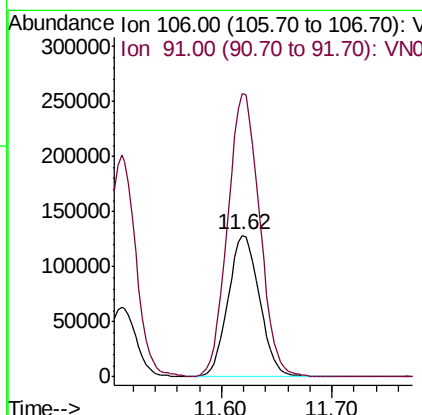
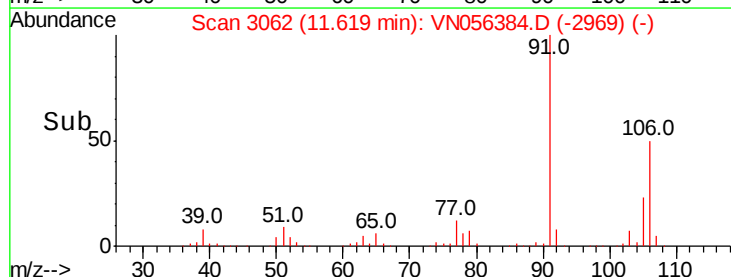
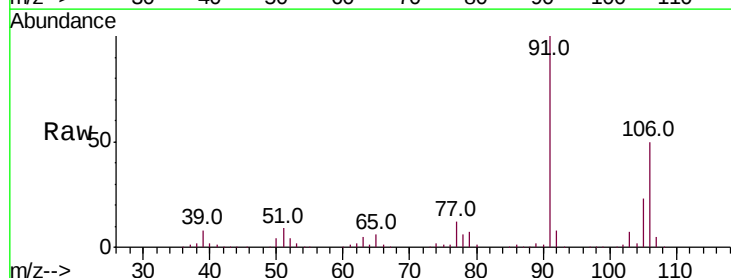
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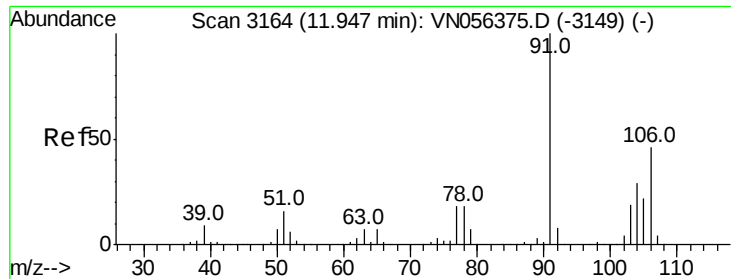
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#68
m/p-Xylenes
Concen: 39.658 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 106 Resp: 254522
Ion Ratio Lower Upper
106 100
91 203.4 160.1 240.1





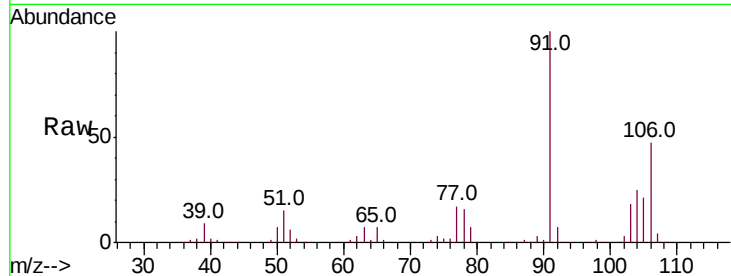
#69
o-Xylene
Concen: 20.090 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

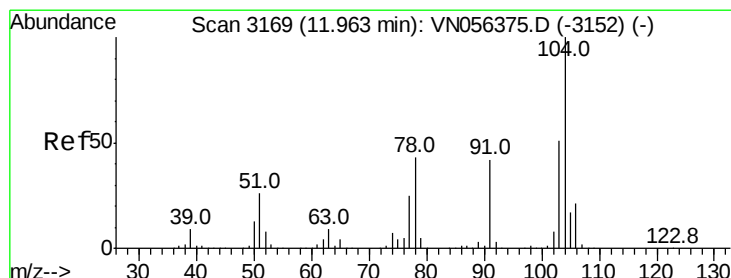
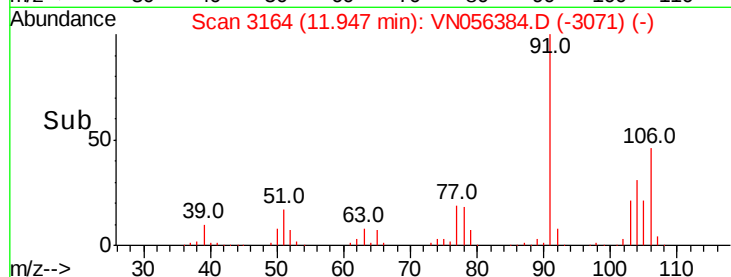
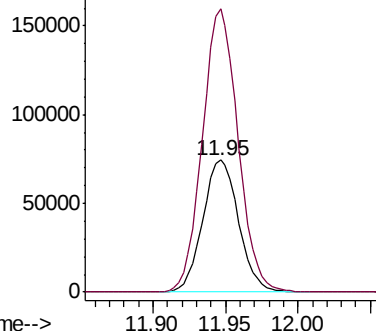
Tot Ion:106 Resp: 127560
Ion Ratio Lower Upper
106 100
91 213.3 107.1 321.3

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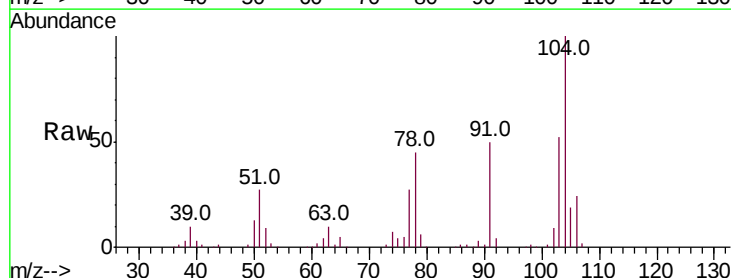


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

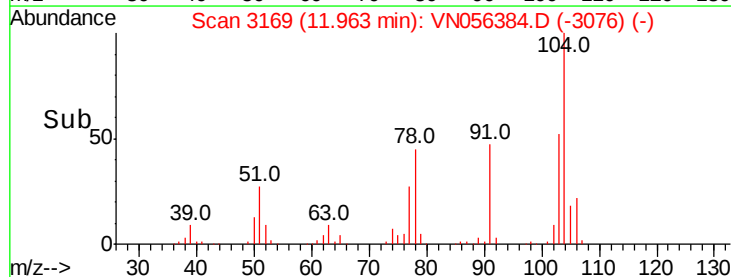
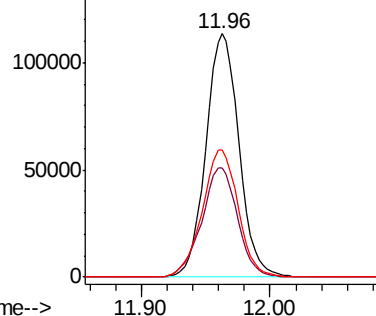


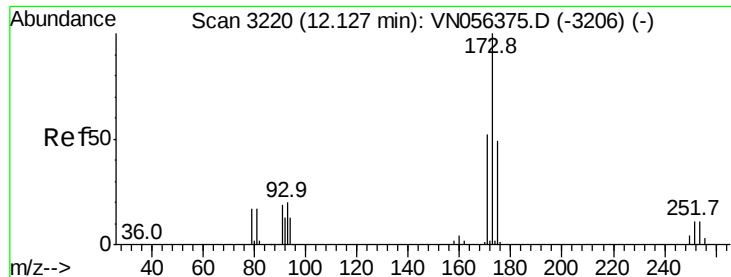
#70
Styrene
Concen: 19.905 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion:104 Resp: 202016
Ion Ratio Lower Upper
104 100
78 48.6 38.6 57.8
103 56.6 43.9 65.9



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





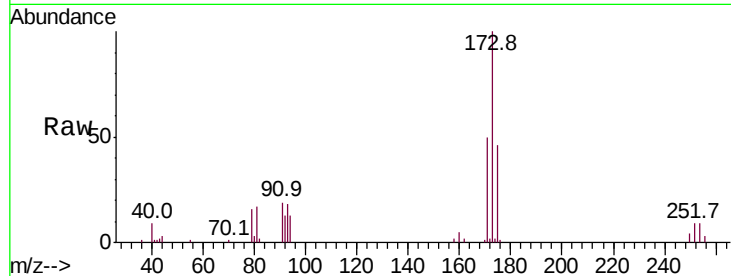
#71
Bromoform
Concen: 18.653 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

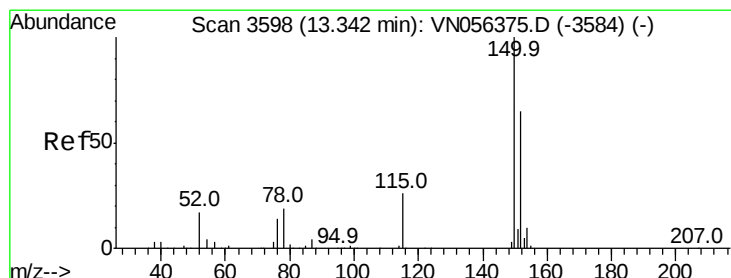
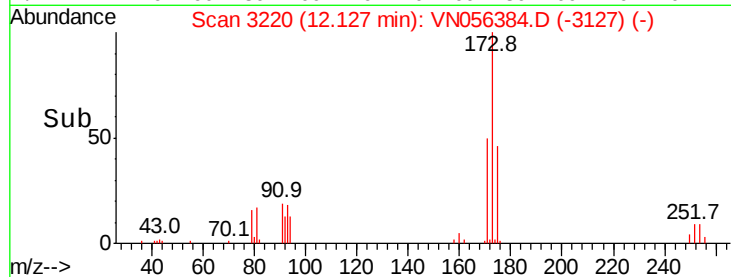
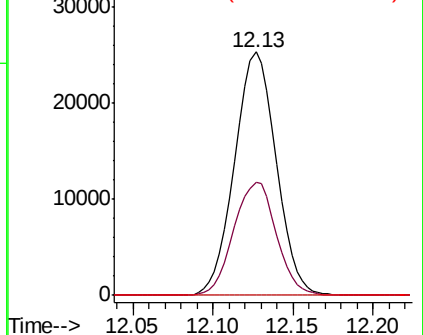
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.4	73.4
254	0.0	0.0	0.0

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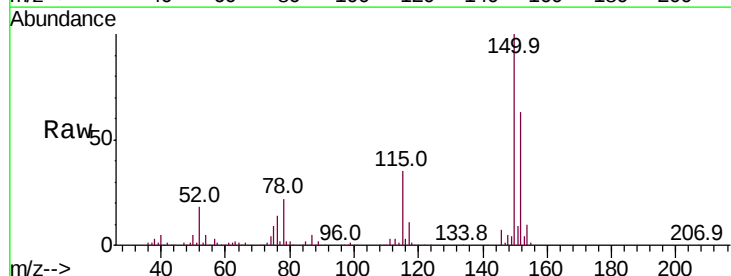


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

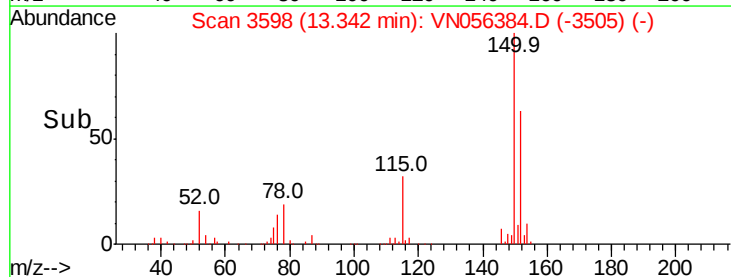
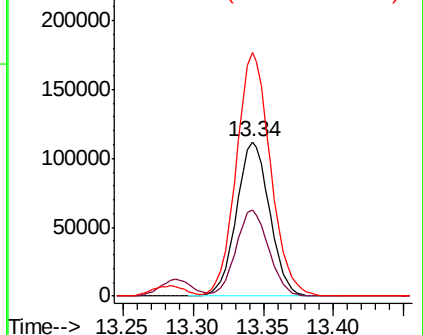


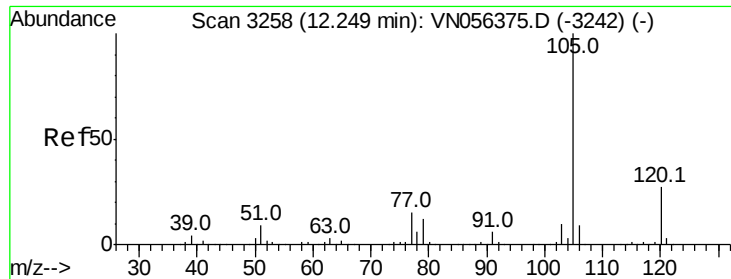
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	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: 23.133 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion:105 Resp: 339728

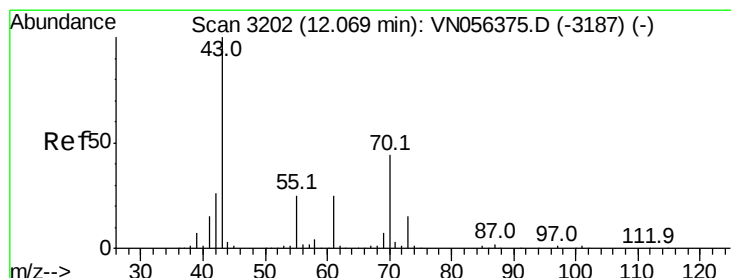
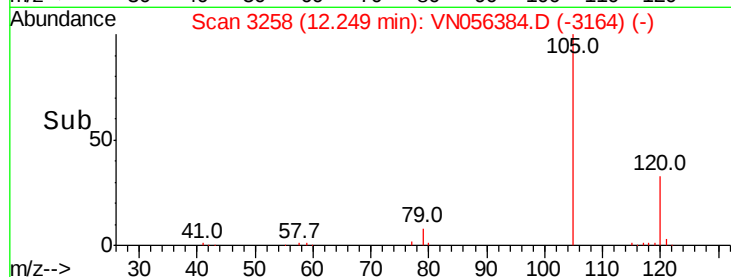
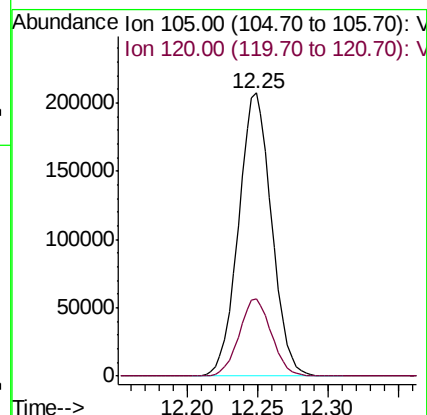
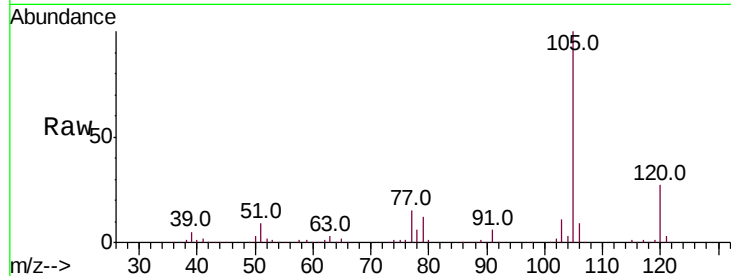
Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2

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#74

N-ethyl acetate

Concen: 20.164 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion: 43 Resp: 118104

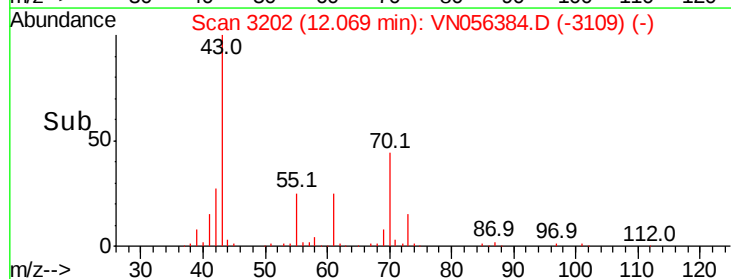
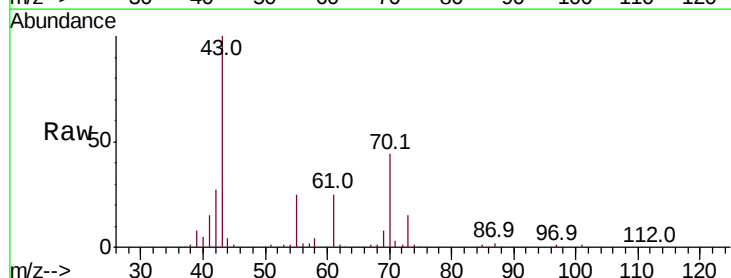
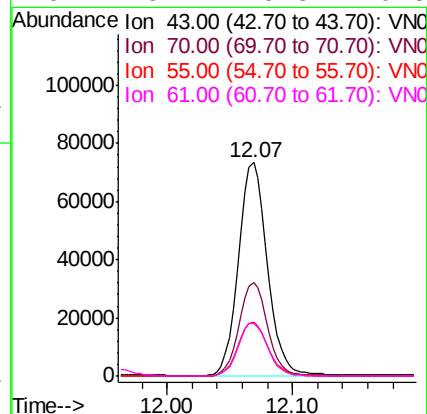
Ion Ratio Lower Upper

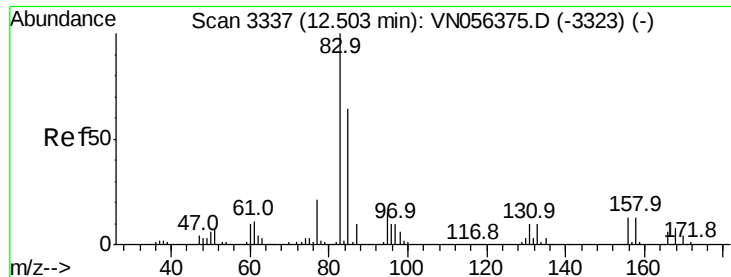
43 100

70 43.0 34.9 52.3

55 25.9 20.4 30.6

61 25.1 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.204 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

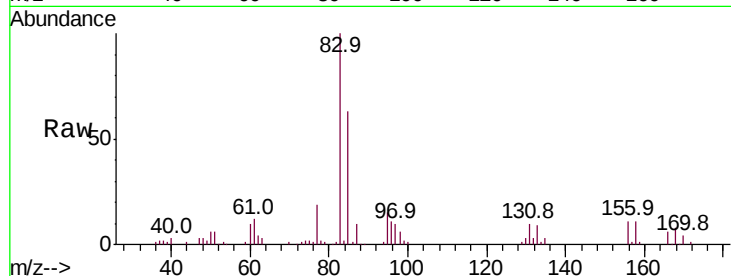
ClientSampleId :

VN0619WBSD01

Tot Ion:	83	Resp:	106348
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.3	32.4	97.0

Manual Integrations
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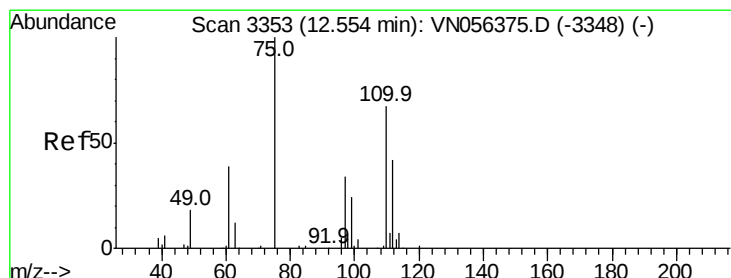
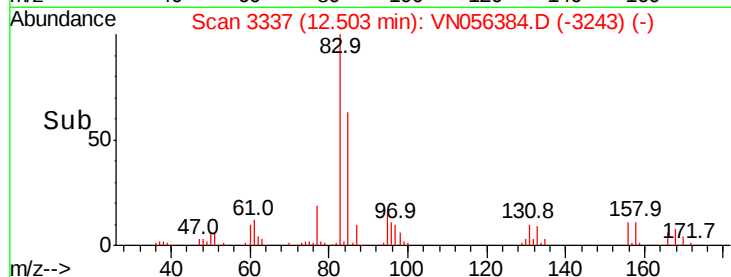
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.536 ug/l m

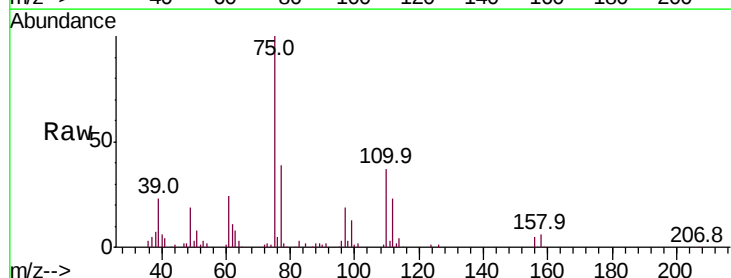
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion:	75	Resp:	85996
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

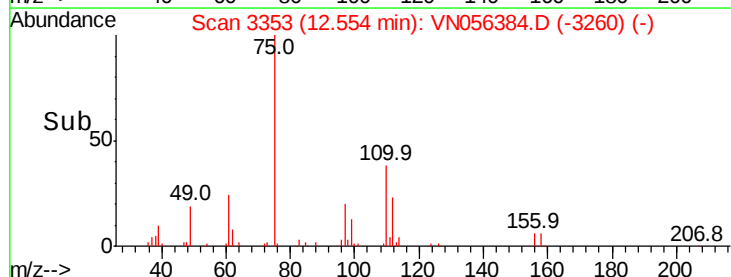


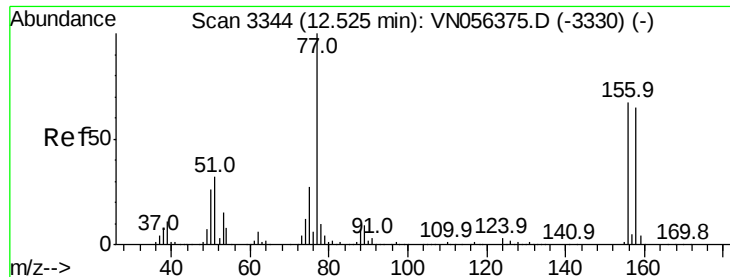
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->





#77

Bromobenzene

Concen: 20.485 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

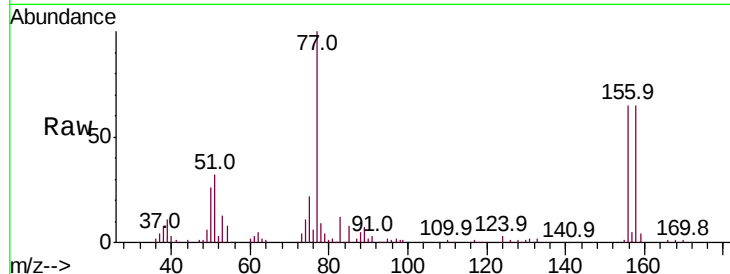
ClientSampleId :

VN0619WBSD01

Tot Ion:	156	Resp:	84296
Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.5	277.3
158	100.1	48.7	146.1

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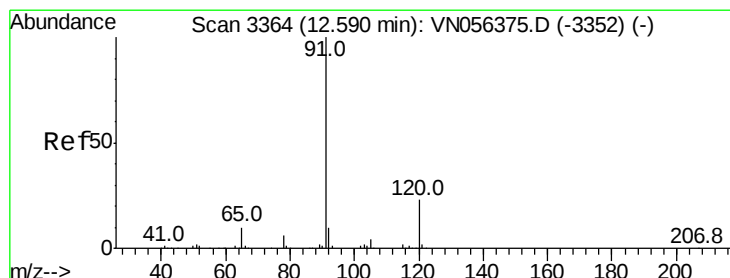
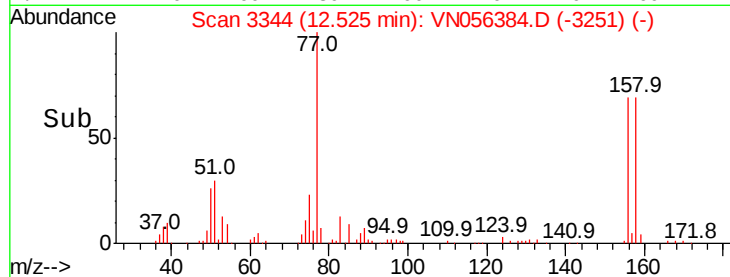
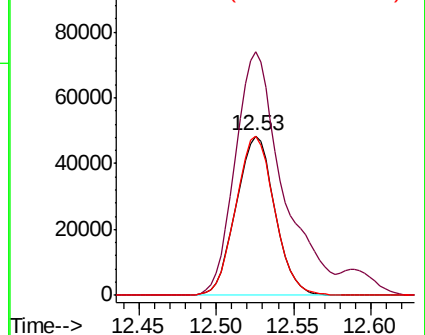
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.481 ug/l

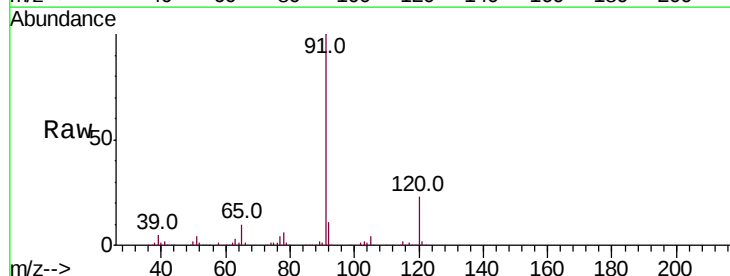
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056384.D

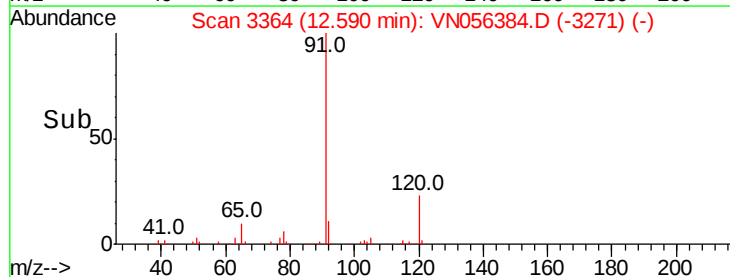
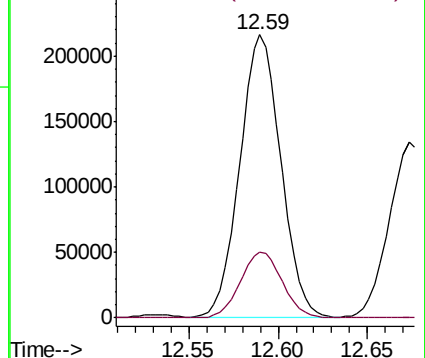
Acq: 19 Jun 2019 14:09

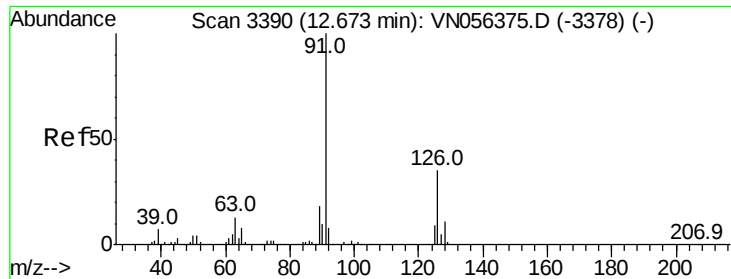
Tgt Ion:	91	Resp:	345173
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.338 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 91 Resp: 219362

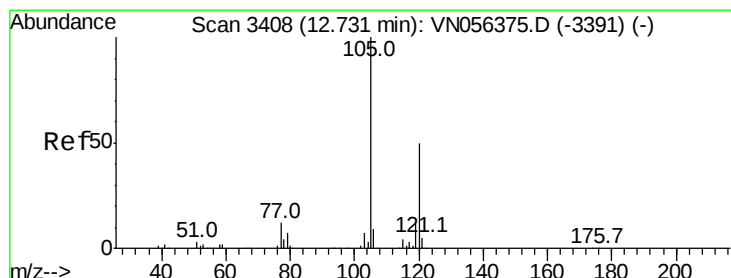
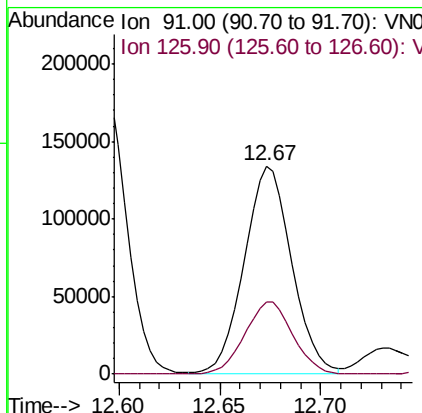
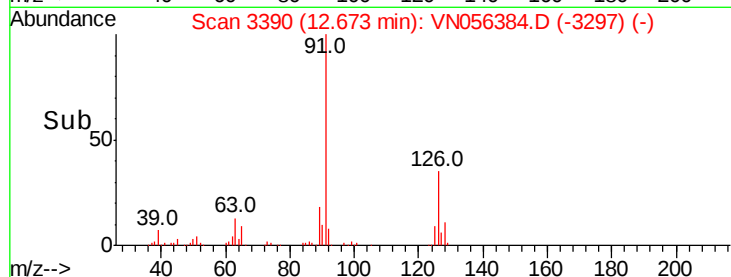
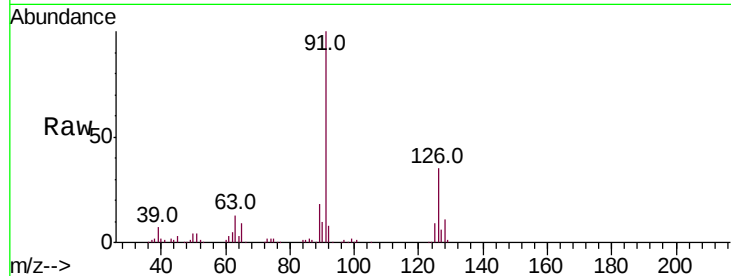
Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.017 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056384.D

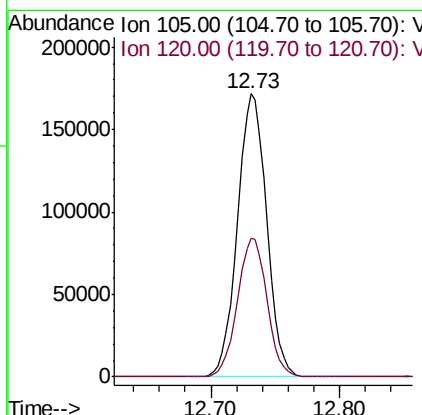
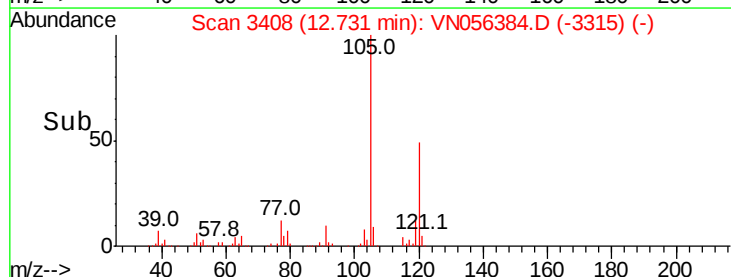
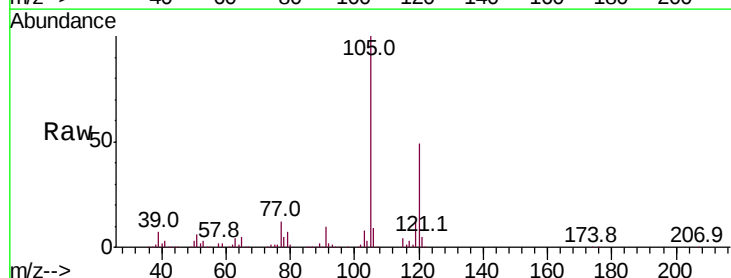
Acq: 19 Jun 2019 14:09

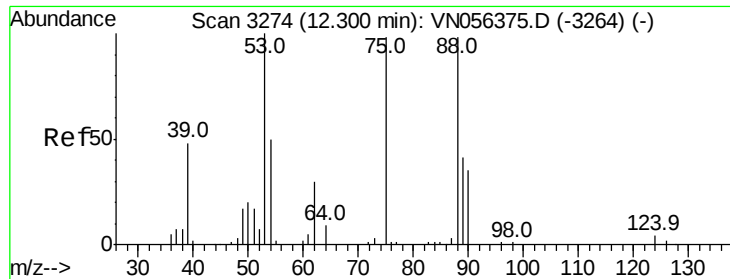
Tgt Ion: 105 Resp: 269654

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





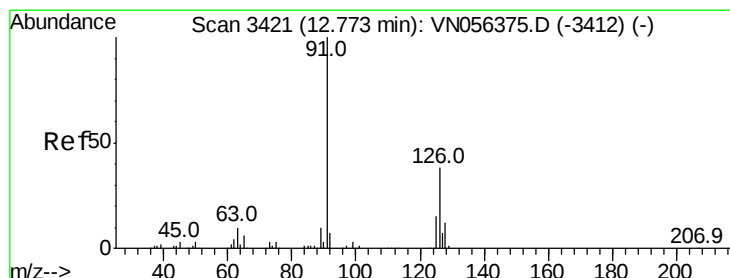
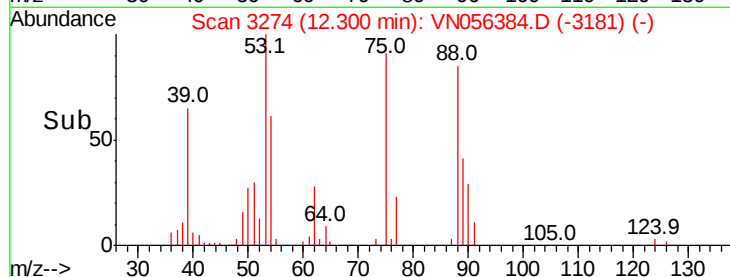
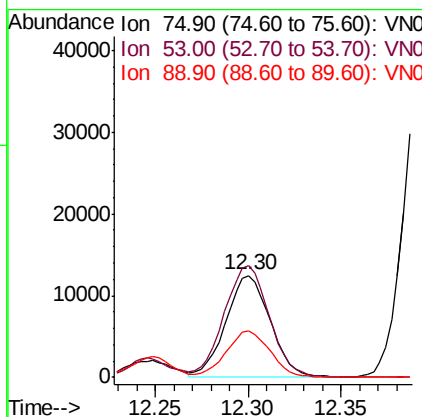
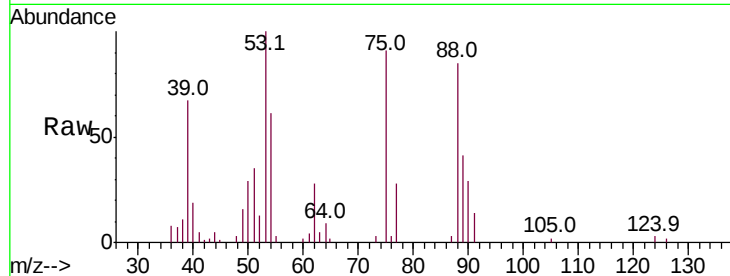
#81
trans-1,4-Dichloro-2-butene
Concen: 19.325 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.7	83.9	125.9
89	44.8	35.0	52.6

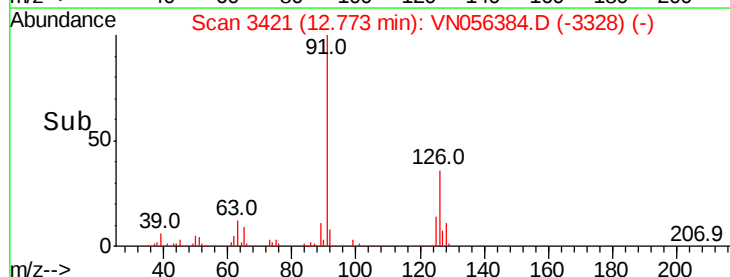
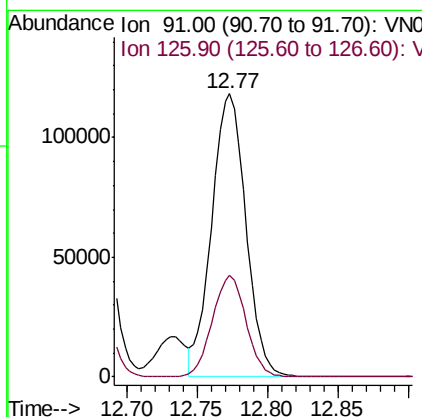
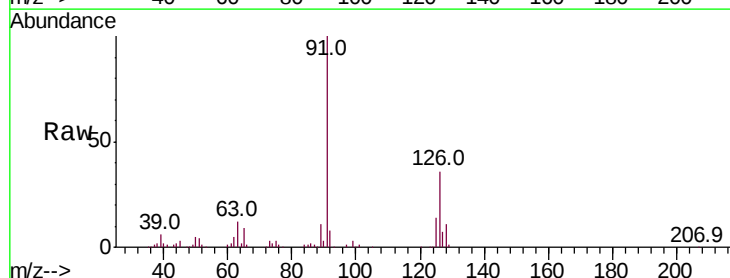
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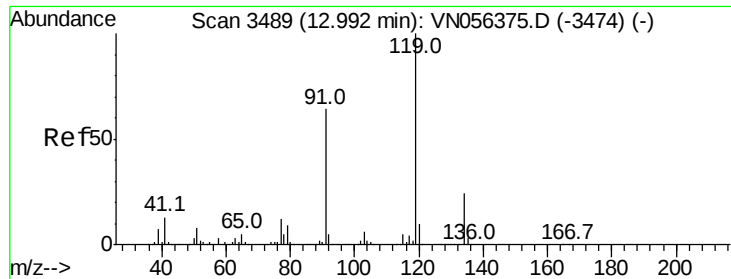
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#82
4-Chlorotoluene
Concen: 19.927 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0





#83

tert-Butylbenzene

Concen: 22.395 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

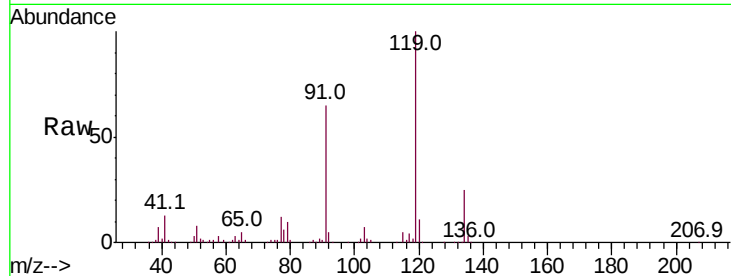
ClientSampled :

VN0619WBSD01

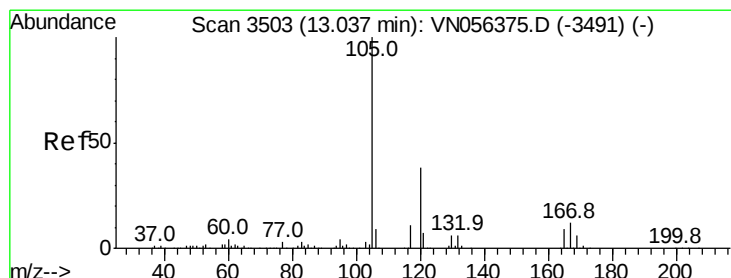
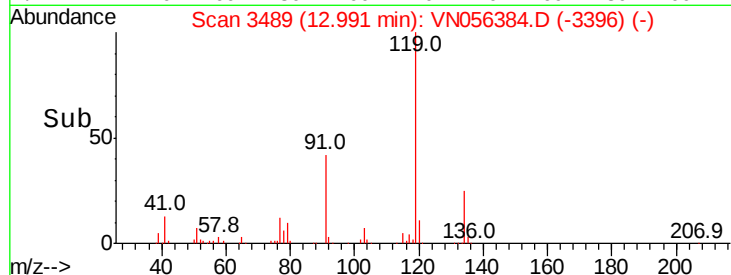
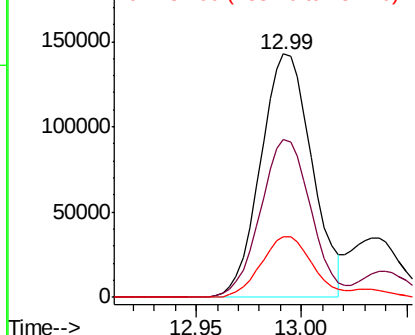
Tot Ion:	119	Resp:	241396
Ion Ratio	Lower	Upper	
119	100		
91	63.6	31.6	94.7
134	24.9	13.2	39.5

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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: 20.828 ug/l

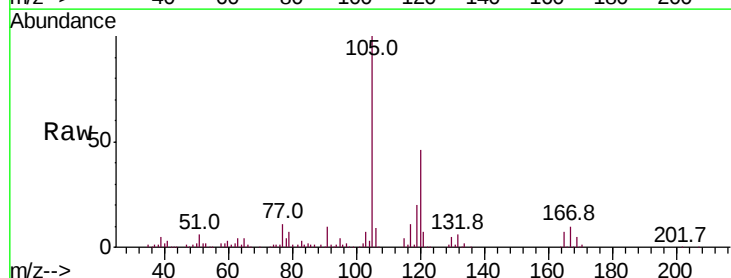
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

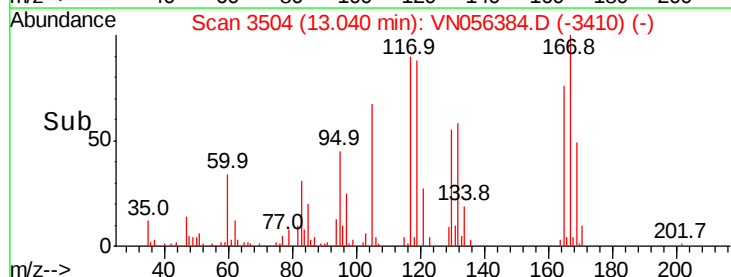
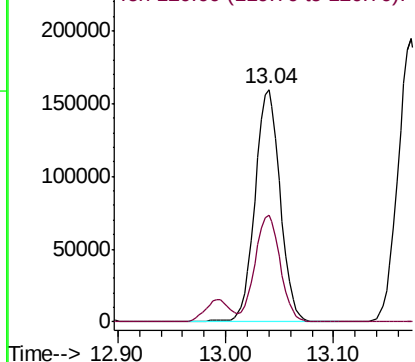
Lab File: VN056384.D

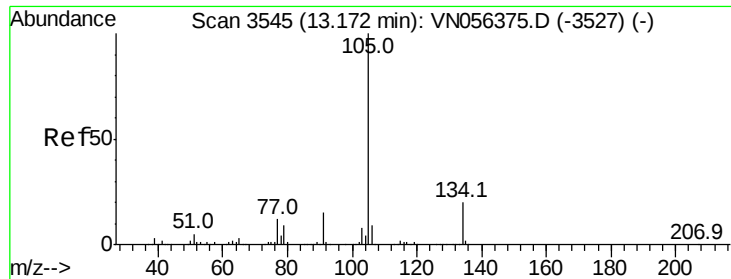
Acq: 19 Jun 2019 14:09

Tgt Ion:	105	Resp:	258045
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.8



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





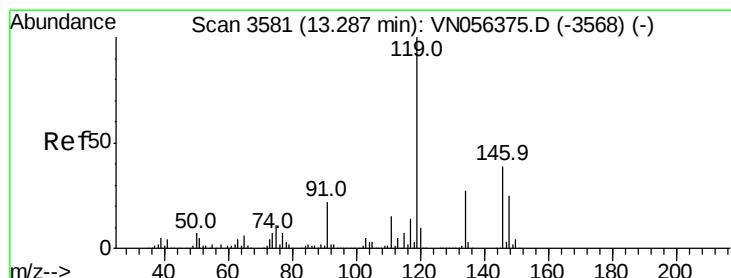
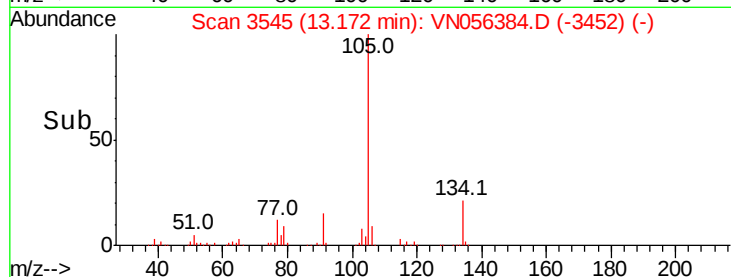
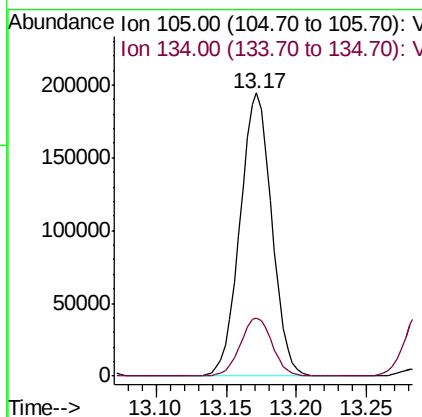
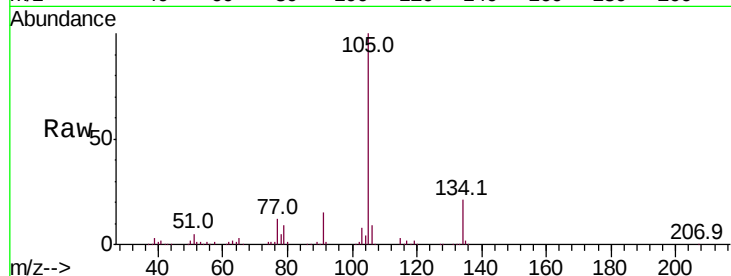
#85
 sec-Butylbenzene
 Concen: 20.718 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.2	30.4

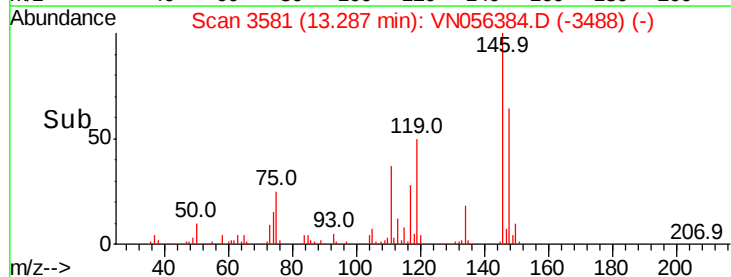
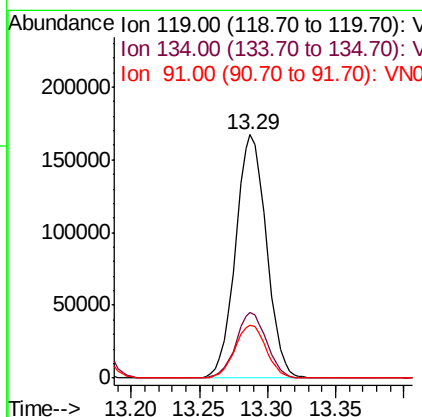
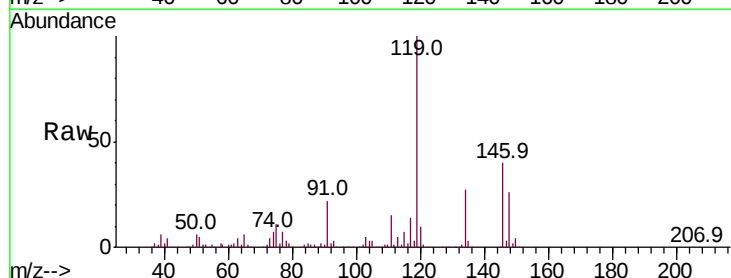
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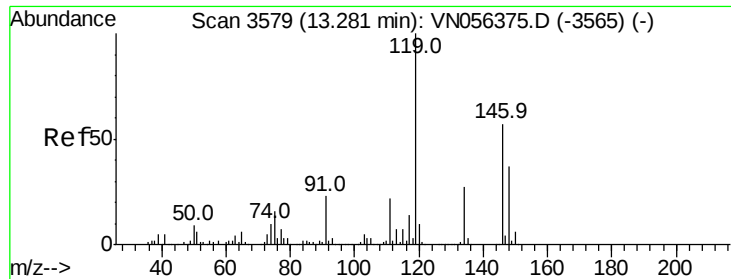
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#86
 p-Isopropyltoluene
 Concen: 20.590 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.2	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 19.875 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056384.D

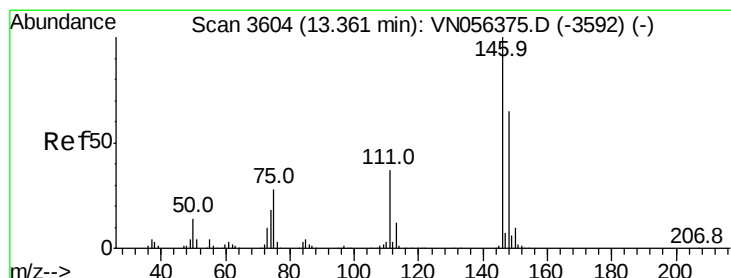
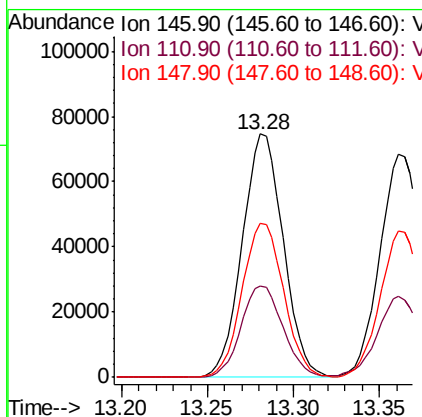
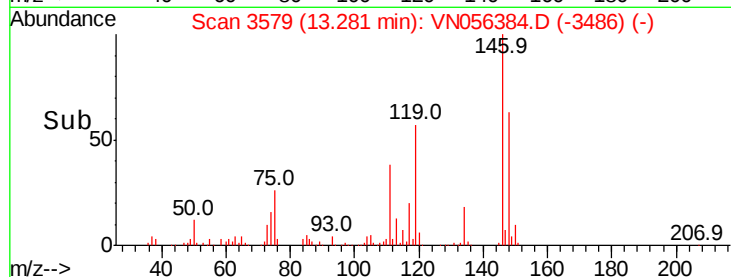
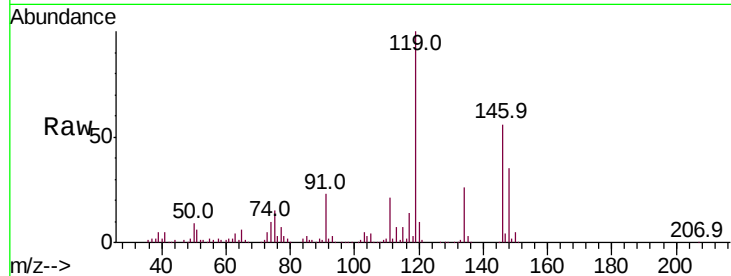
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123945		
111	38.3	18.9	56.9	
148	64.1	32.1	96.5	

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#88

1,4-Dichlorobenzene

Concen: 19.414 ug/l

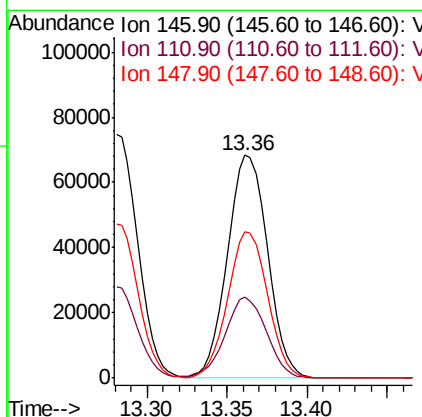
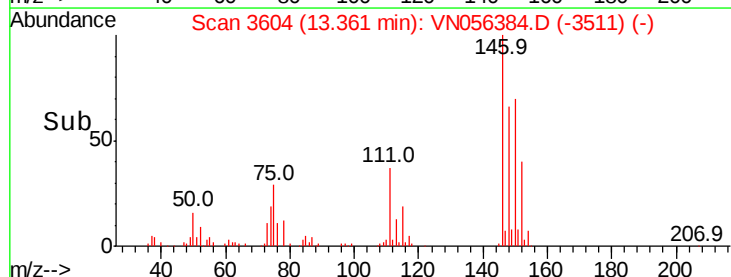
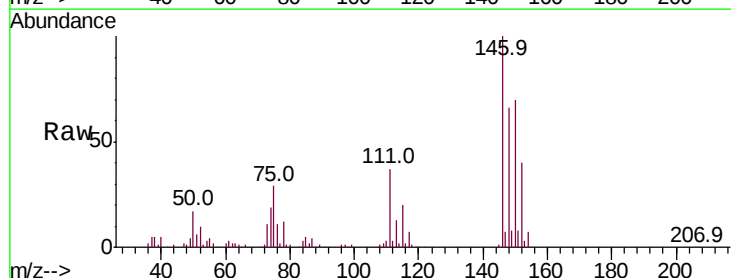
RT: 13.36 min Scan# 3604

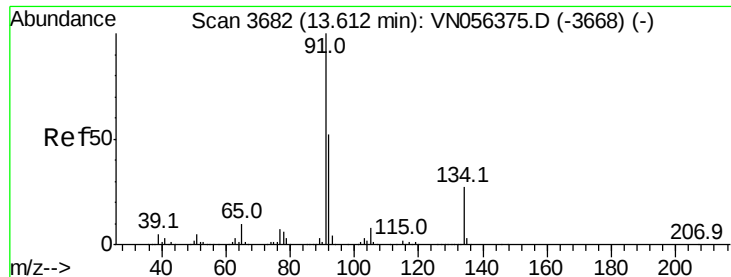
Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	117250		
111	37.5	18.4	55.4	
148	65.3	32.4	97.0	





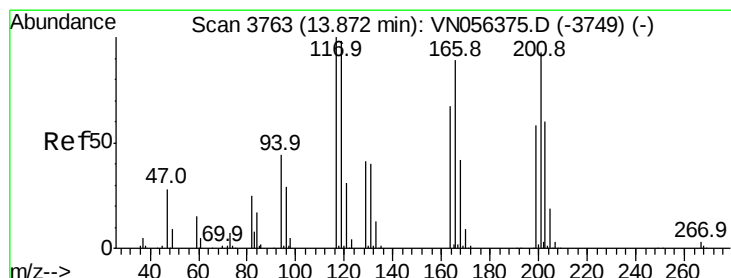
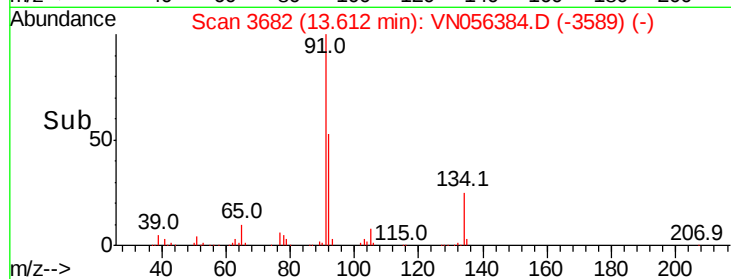
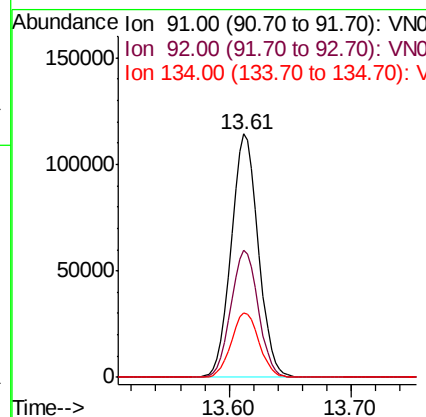
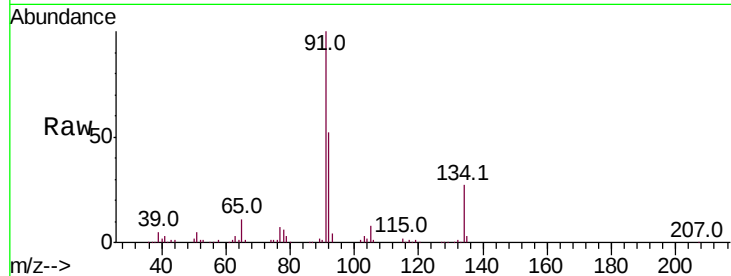
#89
n-Butylbenzene
Concen: 18.543 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	26.9	13.4	40.2

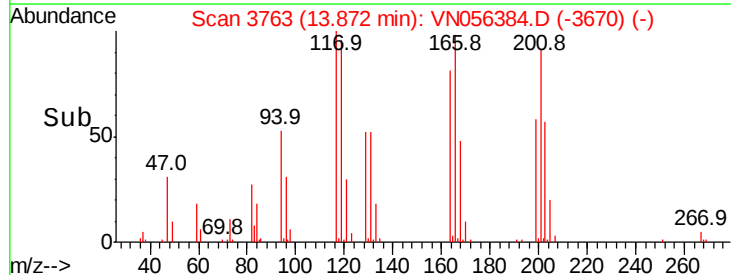
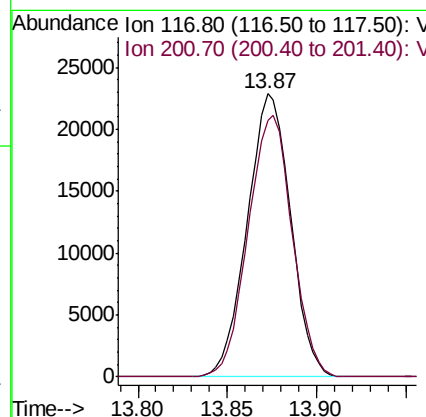
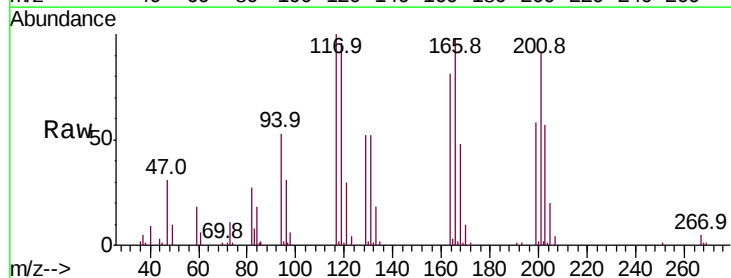
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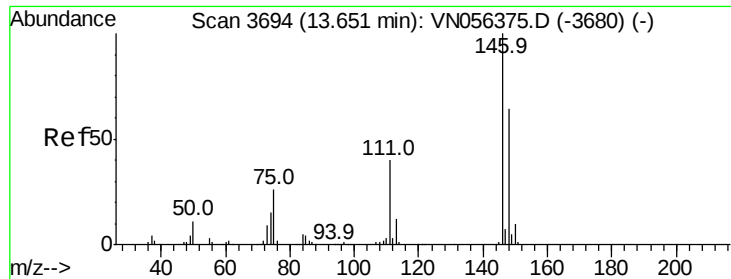
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#90
Hexachloroethane
Concen: 19.608 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	45.9	137.6





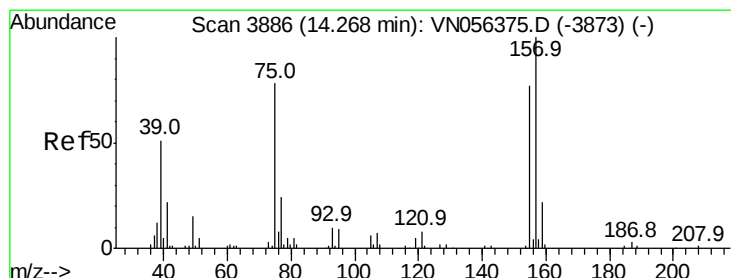
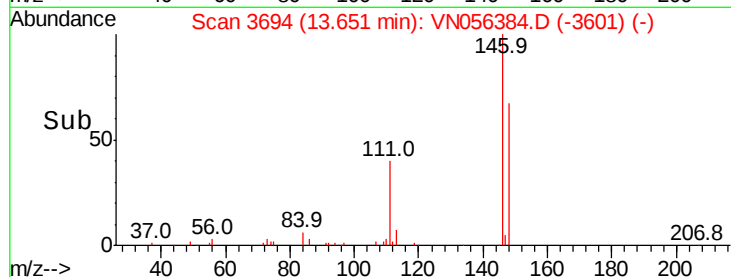
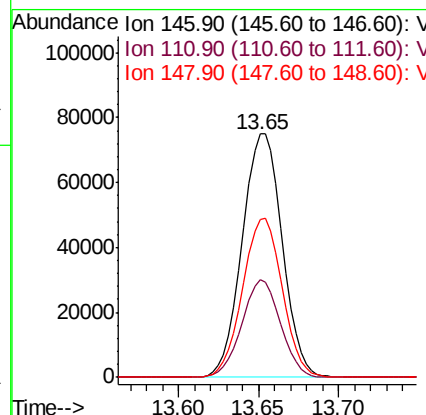
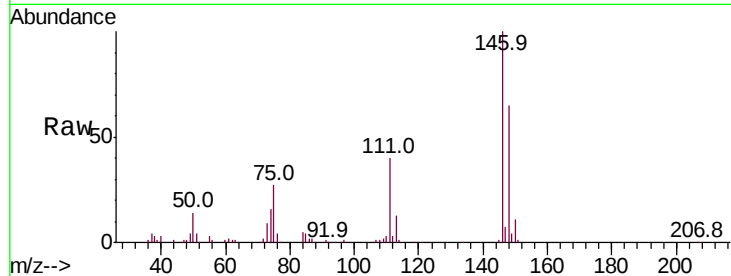
#91
 1,2-Dichlorobenzene
 Concen: 20.708 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	64.6	32.0	96.0

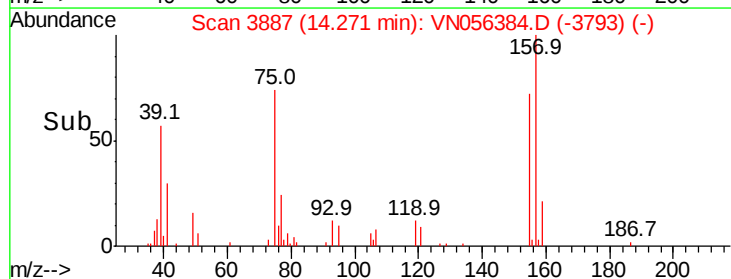
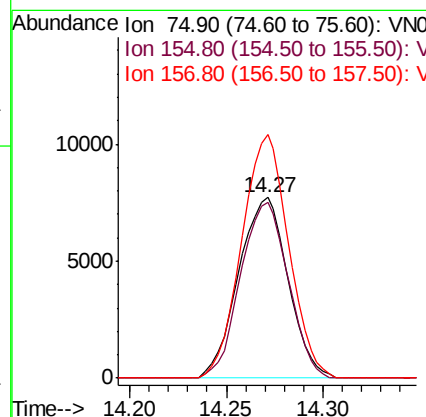
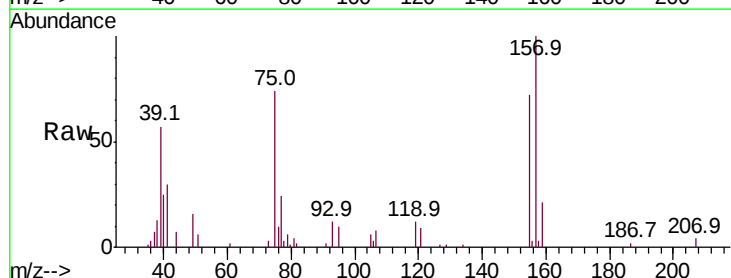
Manual Integrations
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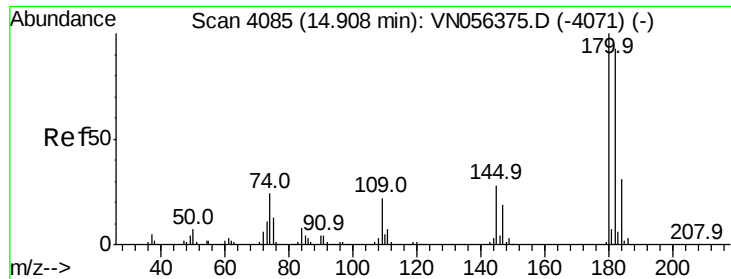
MMDadoda
 6/25/2019 1:01:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.132 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	48.9	146.8
157	128.2	62.9	188.8





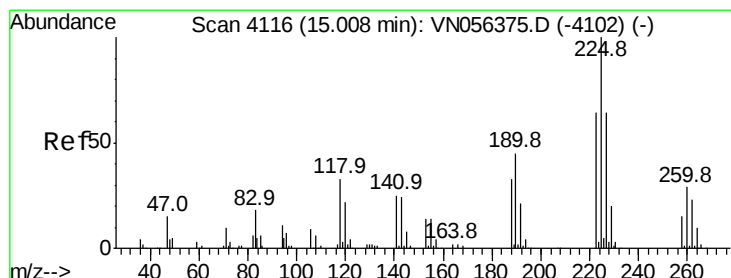
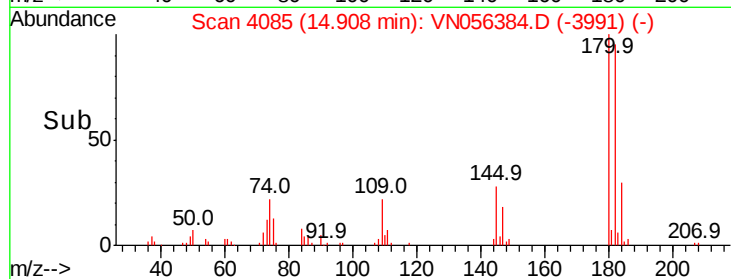
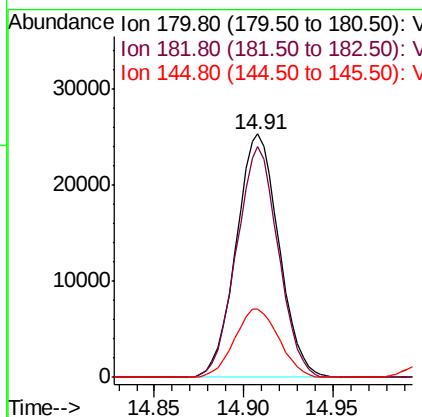
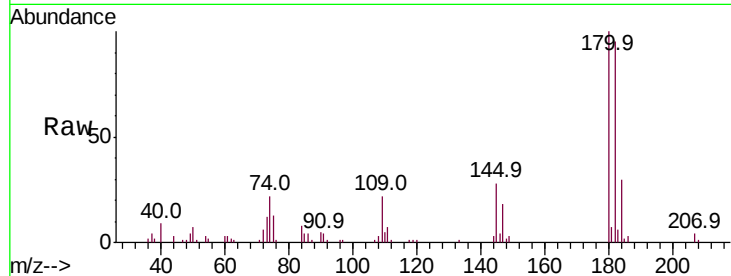
#93
 1,2,4-Trichlorobenzene
 Concen: 17.285 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.9	140.6
145	29.0	14.4	43.0

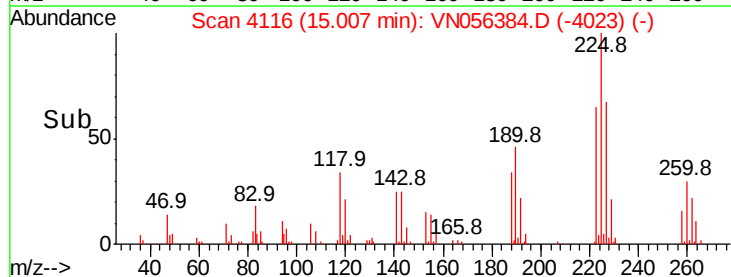
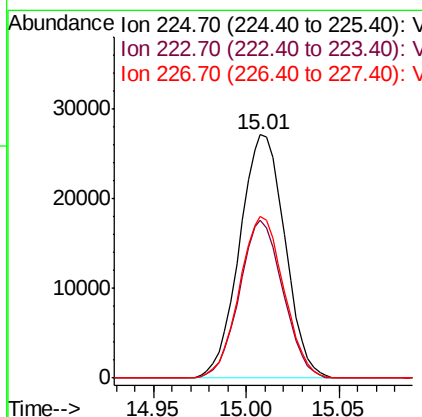
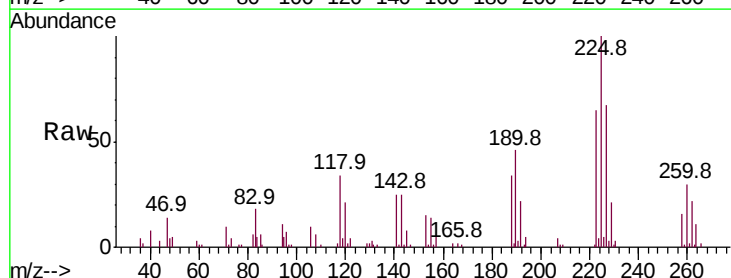
Manual Integrations
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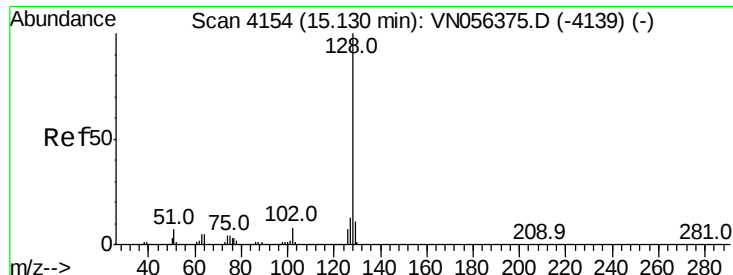
MMDadoda
 6/25/2019 1:01:43 AM



#94
 Hexachlorobutadiene
 Concen: 20.885 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.3
227	65.2	32.1	96.3





#95

Naphthalene

Concen: 18.078 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

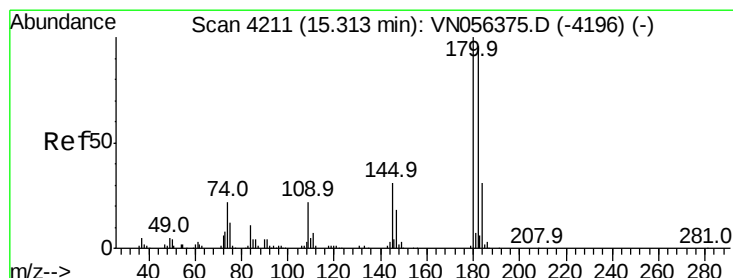
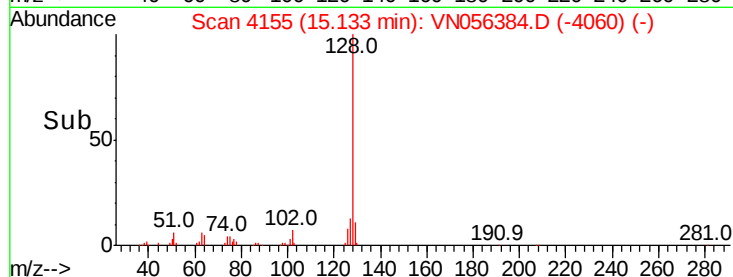
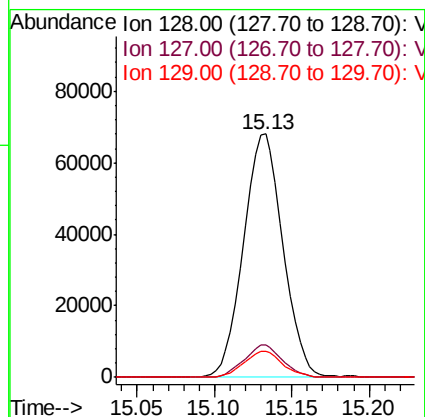
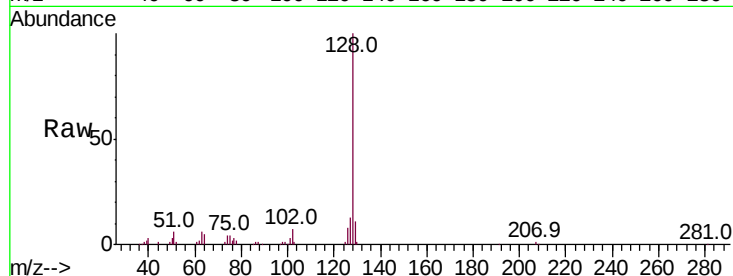
ClientSampleId :

VN0619WBSD01

Tot Ion:	128	Resp:	120731
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.5	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.280 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion:	180	Resp:	50604
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.3	144.8
145	30.1	15.4	46.1

