

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056150.D
 Acq On : 8 Jun 2019 13:42
 Operator : JC/SP
 Sample : K3225-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Quant Time: Jun 10 01:25:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	276678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	415213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	375588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	154288	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
35) Dibromofluoromethane	7.59	113	139725	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
50) Toluene-d8	10.09	98	524745	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.40	95	180805	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	148589	48.893	ug/l	100
3) Chloromethane	2.06	50	166487	55.510	ug/l	98
4) Vinyl Chloride	2.18	62	160879	53.475	ug/l	100
5) Bromomethane	2.53	94	91875	48.344	ug/l	99
6) Chloroethane	2.68	64	92324	52.929	ug/l	100
7) Trichlorofluoromethane	3.00	101	193313	50.333	ug/l	100
8) Diethyl Ether	3.40	74	79790	50.519	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	116479	49.926	ug/l	99
10) Methyl Iodide	3.94	142	177303	47.823	ug/l	99
11) Tert butyl alcohol	4.82	59	111786	233.828	ug/l	99
12) 1,1-Dichloroethene	3.72	96	120687	51.960	ug/l	98
13) Acrolein	3.60	56	32636	236.701	ug/l	98
14) Allyl chloride	4.31	41	175675	47.899	ug/l	97
15) Acrylonitrile	4.99	53	342933	294.678	ug/l	99
16) Acetone	3.82	43	277542	211.237	ug/l	100
17) Carbon Disulfide	4.04	76	259519	46.665	ug/l	99
18) Methyl Acetate	4.33	43	115703	44.771	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	393406	53.137	ug/l	100
20) Methylene Chloride	4.54	84	144882	53.523	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	131328	52.771	ug/l	96
22) Diisopropyl ether	5.95	45	408556	53.888	ug/l	97
23) Vinyl Acetate	5.90	43	1057437	177.112	ug/l	99
24) 1,1-Dichloroethane	5.84	63	235792	53.916	ug/l	99
25) 2-Butanone	6.84	43	435066	262.079	ug/l	100
26) 2,2-Dichloropropane	6.82	77	68797	20.160	ug/l	88
27) cis-1,2-Dichloroethene	6.83	96	158689	54.246	ug/l	92
28) Bromochloromethane	7.19	49	115615	55.903	ug/l	99
29) Tetrahydrofuran	7.22	42	294261	286.763	ug/l	100
30) Chloroform	7.37	83	238321	54.171	ug/l	99
31) Cyclohexane	7.65	56	208198	47.761	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	191972	52.255	ug/l	99
36) 1,1-Dichloropropene	7.79	75	171278	47.974	ug/l	99
37) Ethyl Acetate	6.93	43	130471	41.072	ug/l	98
38) Carbon Tetrachloride	7.77	117	161398	49.034	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198040	44.528	ug/l	98
40) Benzene	8.04	78	558404	51.496	ug/l	99
41) Methacrylonitrile	7.17	41	85004	58.160	ug/l	97
42) 1,2-Dichloroethane	8.12	62	177698	50.945	ug/l	99
43) Isopropyl Acetate	8.17	43	216558	42.069	ug/l #	93
44) Trichloroethene	8.83	130	157990	50.704	ug/l	98
45) 1,2-Dichloropropane	9.12	63	147808	53.216	ug/l	99
46) Dibromomethane	9.21	93	95117	52.369	ug/l	98
47) Bromodichloromethane	9.40	83	169170	51.390	ug/l	99
48) Methyl methacrylate	9.20	41	137719	54.685	ug/l	96
49) 1,4-Dioxane	9.20	88	55516	1021.096	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	891169	276.838	ug/l	100
52) Toluene	10.15	92	352589	52.254	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	154900	40.608	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	183200	46.299	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	143355	53.634	ug/l	99
56) Ethyl methacrylate	10.43	69	212854	54.587	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231500	53.279	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.73	63	536	15.201	ug/l #	46
59) 2-Hexanone	10.75	43	620881	266.115	ug/l	100
60) Dibromochloromethane	10.90	129	138323	47.074	ug/l	99
61) 1,2-Dibromoethane	11.00	107	147261	53.894	ug/l	99
64) Tetrachloroethene	10.63	164	147990	45.519	ug/l	97
65) Chlorobenzene	11.43	112	378145	50.588	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134135	51.970	ug/l	100
67) Ethyl Benzene	11.51	91	647479	49.815	ug/l	99
68) m/p-Xylenes	11.62	106	501824	101.067	ug/l	98
69) o-Xylene	11.95	106	248499	50.879	ug/l	98
70) Styrene	11.96	104	411510	53.028	ug/l	99
71) Bromoform	12.13	173	98812	45.842	ug/l #	100
73) Isopropylbenzene	12.25	105	645674	53.858	ug/l	100
74) N-amyl acetate	12.07	43	153413	34.100	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	200625	51.207	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	215601	69.426	ug/l #	100
77) Bromobenzene	12.53	156	176408	48.821	ug/l	95
78) n-propylbenzene	12.59	91	683096	47.843	ug/l	99
79) 2-Chlorotoluene	12.67	91	424613	53.792	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	525115	46.276	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	33299	35.709	ug/l #	87
82) 4-Chlorotoluene	12.77	91	405718	48.570	ug/l	99
83) tert-Butylbenzene	12.99	119	472534	53.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	521392	48.452	ug/l	99
85) sec-Butylbenzene	13.17	105	596871	47.204	ug/l	100
86) p-Isopropyltoluene	13.29	119	533870	47.177	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	280061	50.078	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	267042	49.639	ug/l	99
89) n-Butylbenzene	13.61	91	388090	46.295	ug/l	100
90) Hexachloroethane	13.87	117	81185	47.571	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	279135	49.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29370	52.411	ug/l	97

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QLast Update : Tue Jun 04 11:02:09 2019
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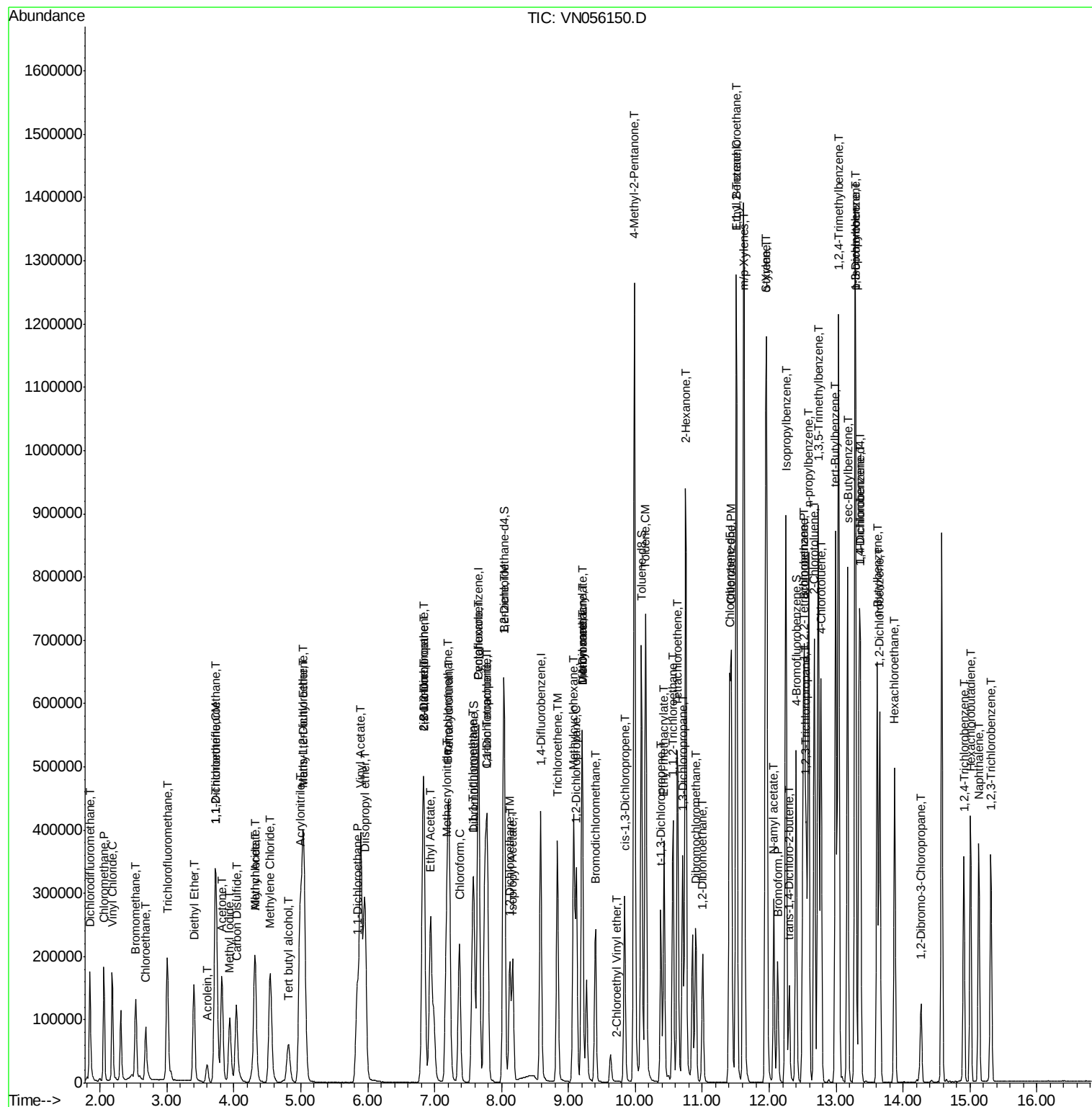
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126645	41.497	ug/l	99
94) Hexachlorobutadiene	15.01	225	94942	48.985	ug/l	99
95) Naphthalene	15.13	128	342071	42.963	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142382	45.212	ug/l	99

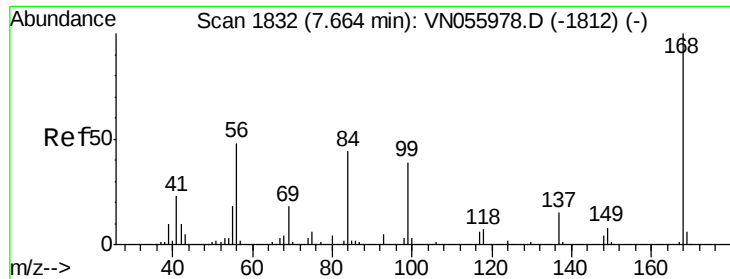
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

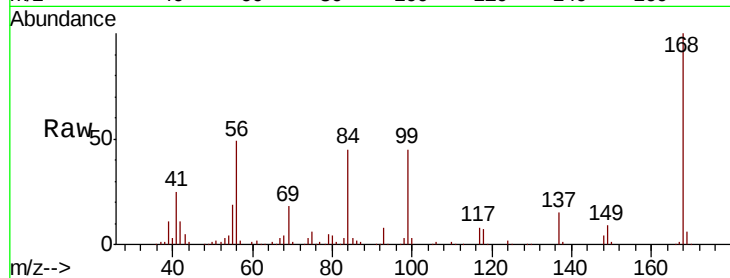
SP19-MMW-3414MS

Tot Ion:168 Resp: 276678

Ion Ratio Lower Upper

168 100

99 44.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

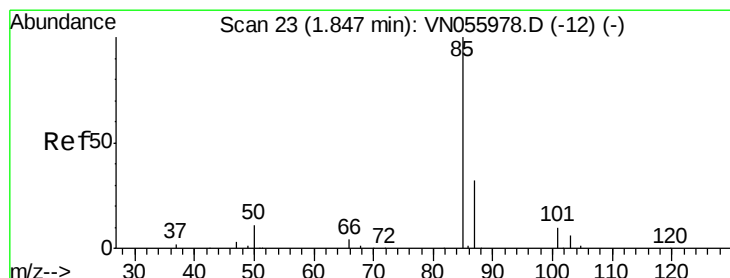
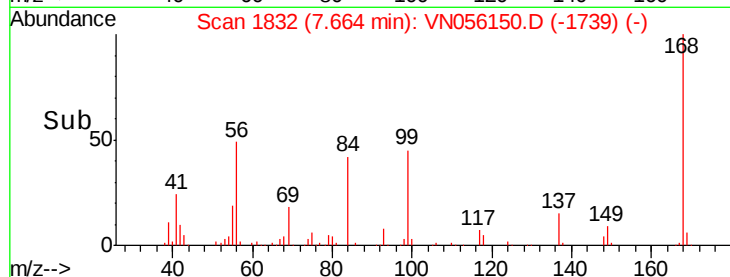
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.893 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056150.D

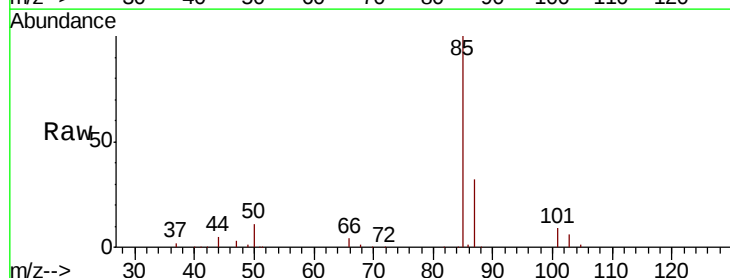
Acq: 8 Jun 2019 13:42

Tgt Ion: 85 Resp: 148589

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

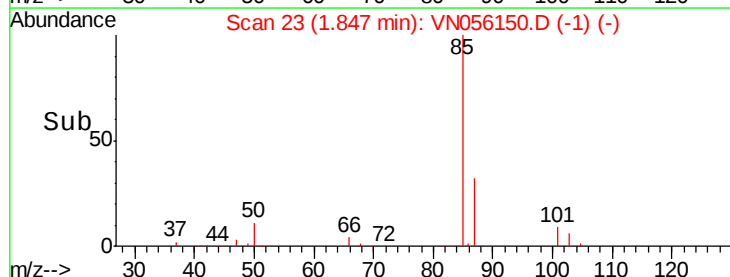
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Time-->

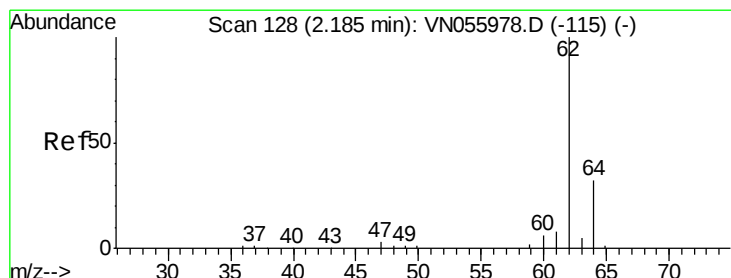
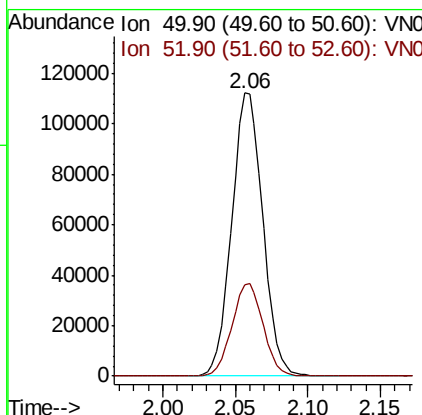
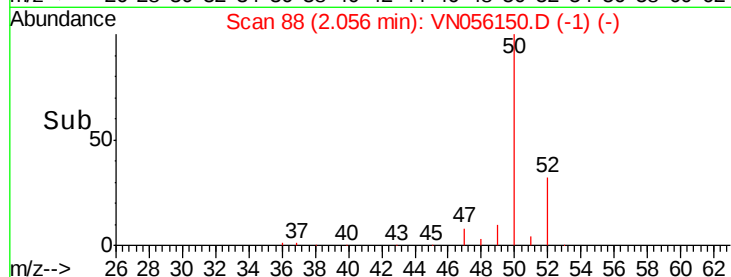
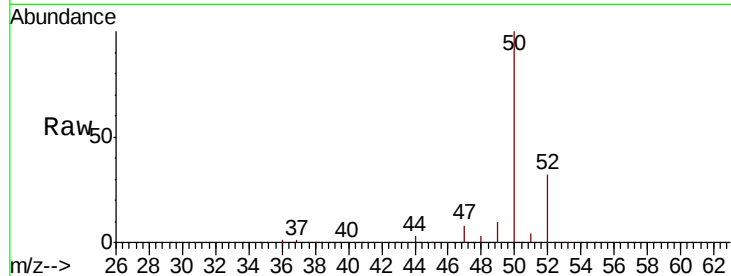




#3
 Chloromethane
 Concen: 55.510 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN056150.D
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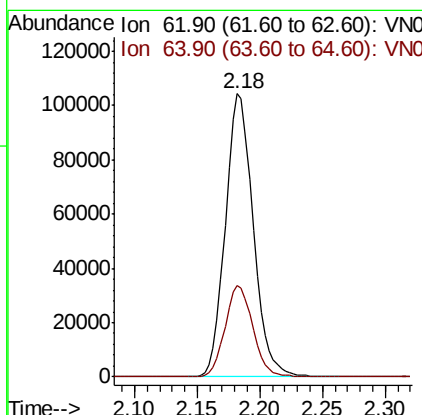
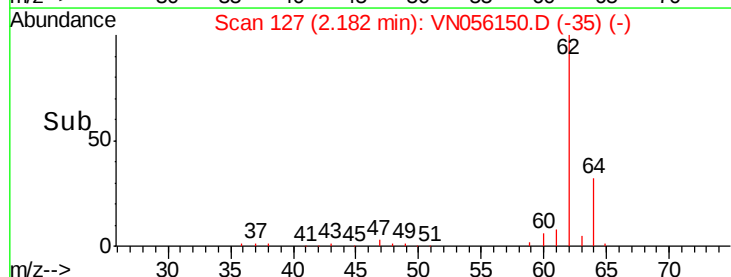
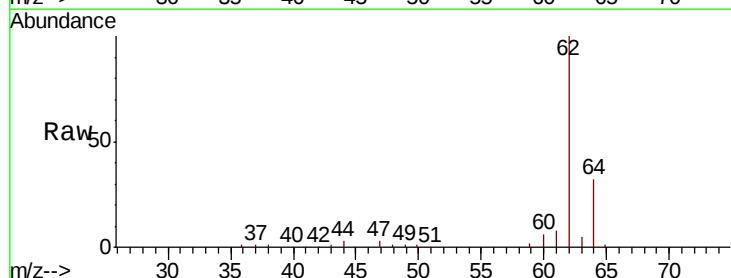
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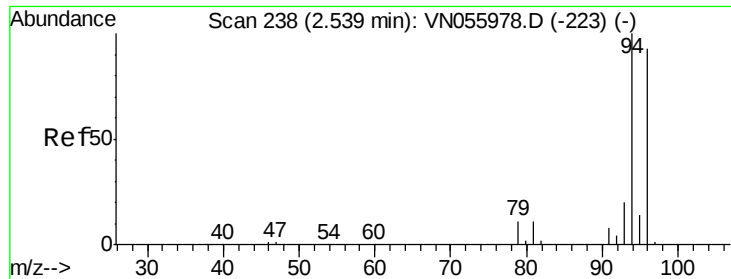
Tot Ion: 50 Resp: 166487
 Ion Ratio Lower Upper
 50 100
 52 32.4 26.6 40.0



#4
 Vinyl Chloride
 Concen: 53.475 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 62 Resp: 160879
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.6 38.4

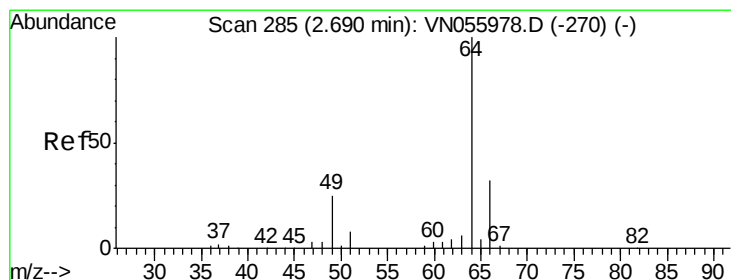
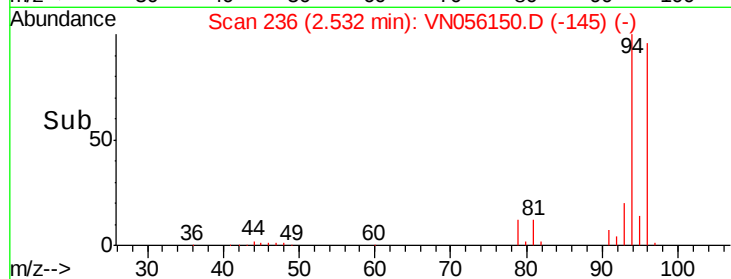
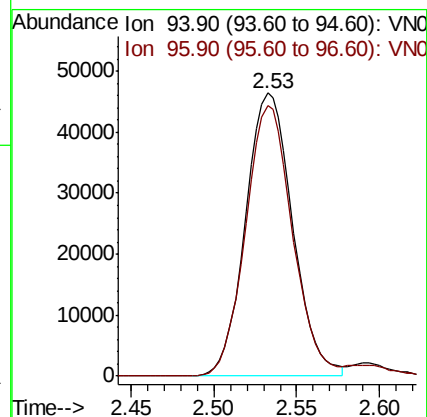
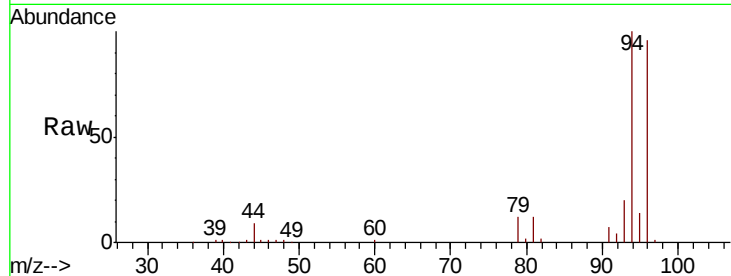




#5
Bromomethane
Concen: 48.344 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

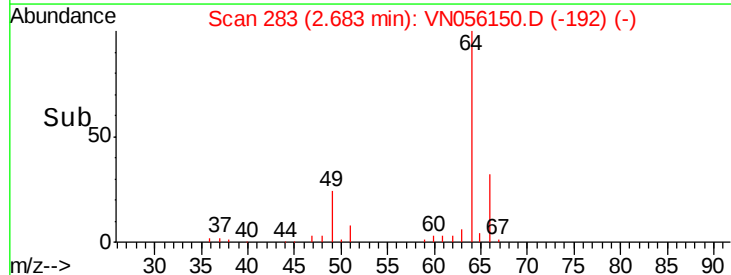
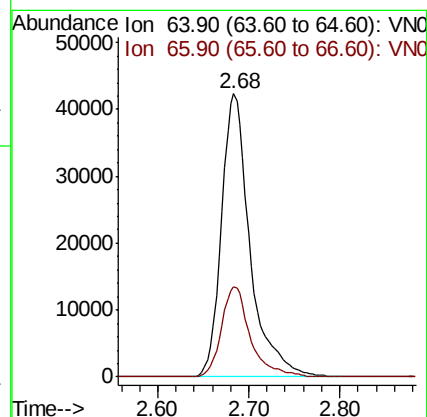
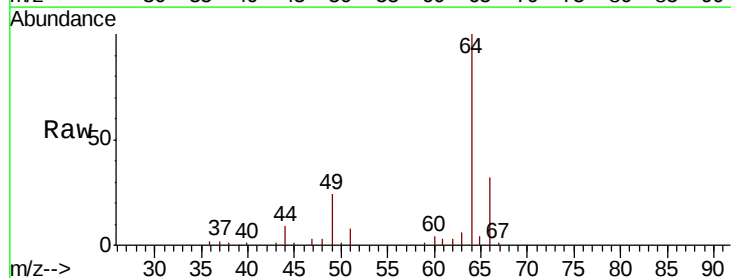
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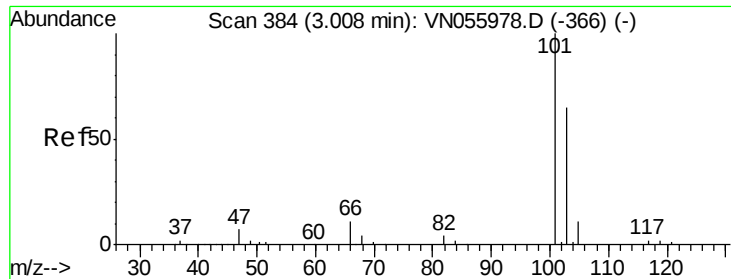
Tot Ion: 94 Resp: 91875
Ion Ratio Lower Upper
94 100
96 95.7 75.5 113.3



#6
Chloroethane
Concen: 52.929 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 64 Resp: 92324
Ion Ratio Lower Upper
64 100
66 31.6 25.4 38.0



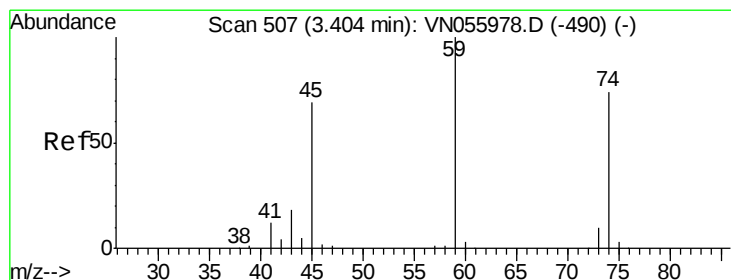
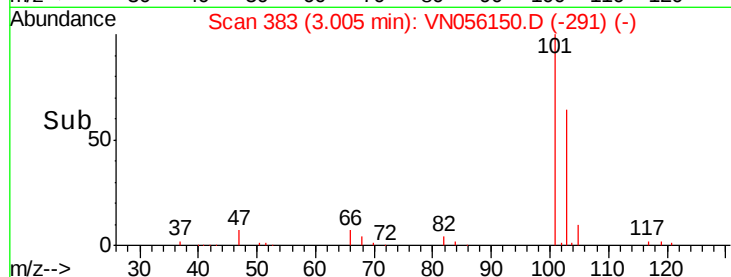
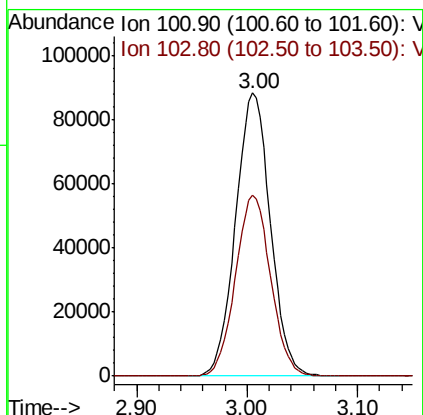
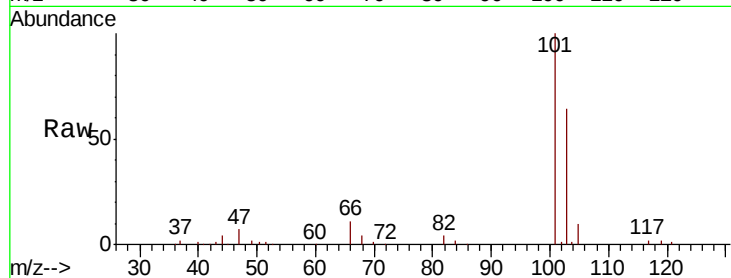


#7

Trichlorofluoromethane
 Concen: 50.333 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056150.D
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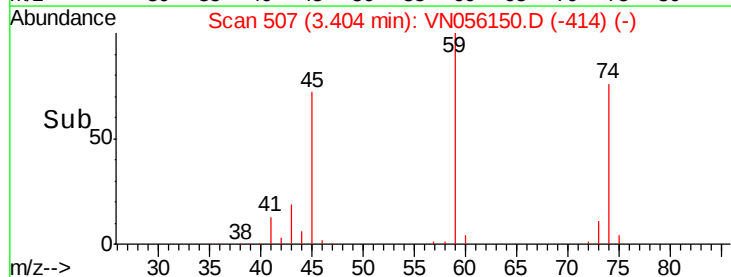
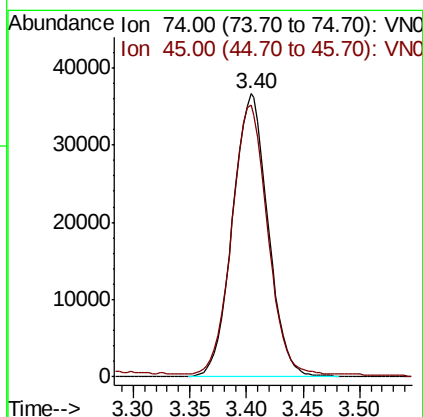
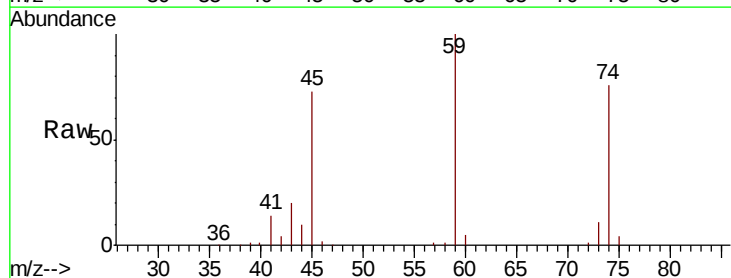
Tot Ion:101 Resp: 193313
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8



#8

Diethyl Ether
 Concen: 50.519 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 74 Resp: 79790
 Ion Ratio Lower Upper
 74 100
 45 94.7 48.6 145.9

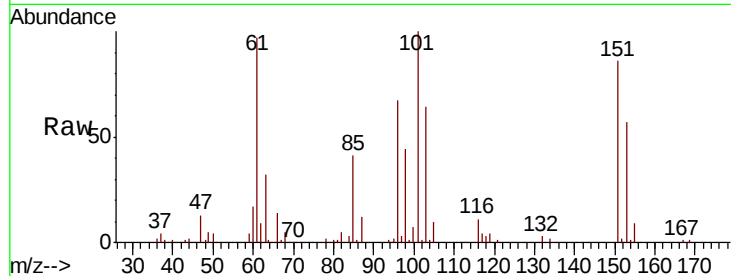




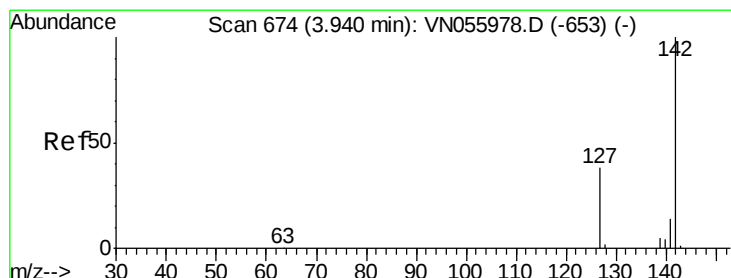
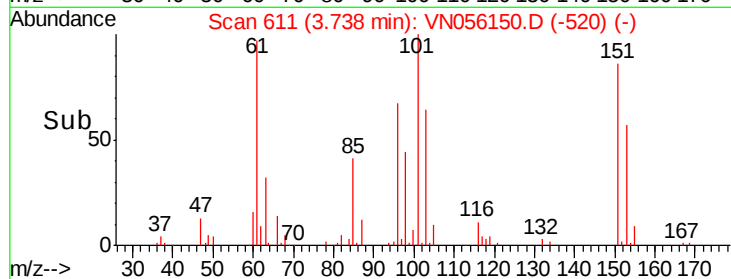
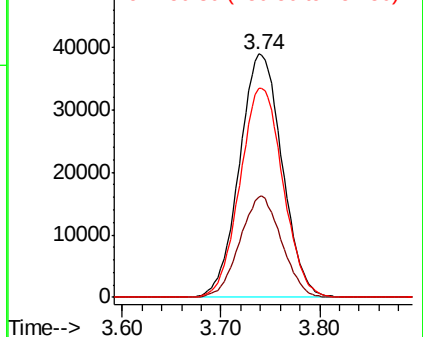
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.926 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN056150.D
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Tot Ion:101 Resp: 116479
 Ion Ratio Lower Upper
 101 100
 85 40.6 33.4 50.2
 151 86.6 69.4 104.2

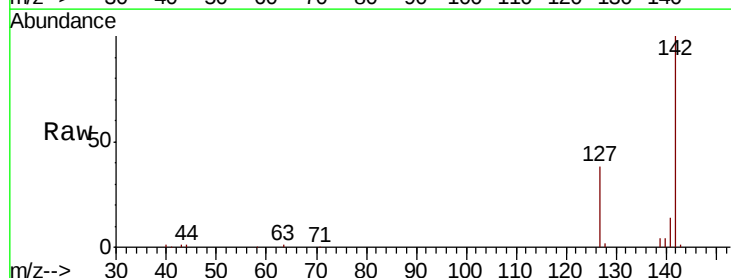


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

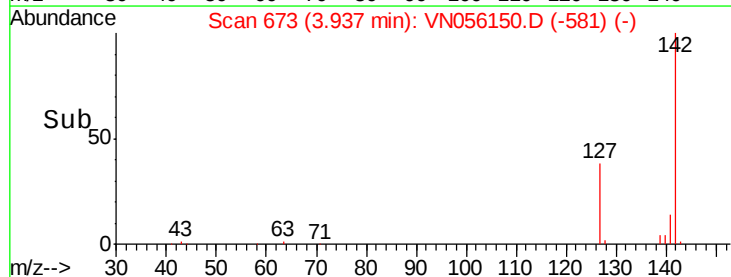
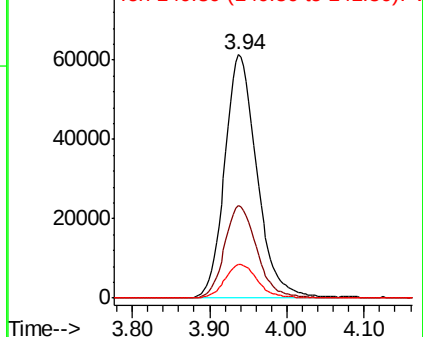


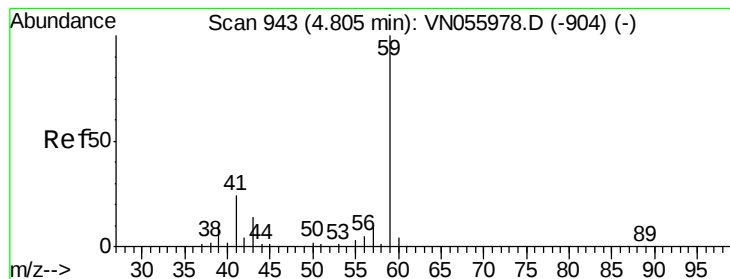
#10
 Methyl Iodide
 Concen: 47.823 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion:142 Resp: 177303
 Ion Ratio Lower Upper
 142 100
 127 38.1 31.0 46.4
 141 14.0 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



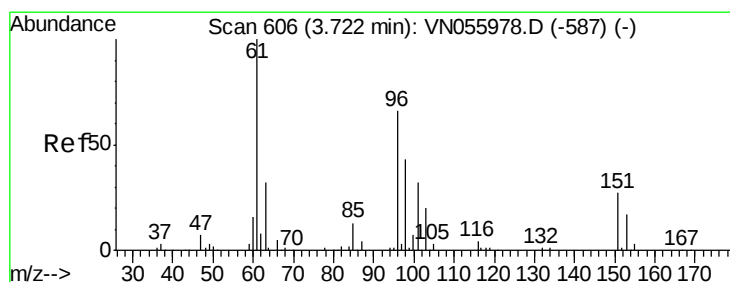
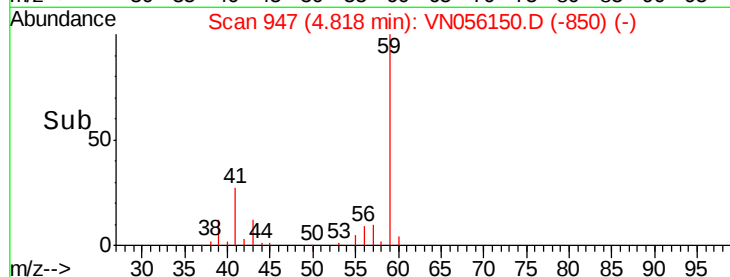
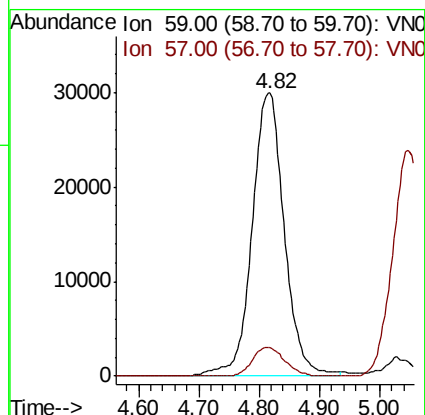
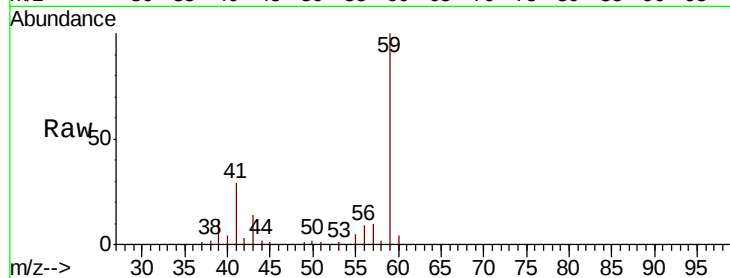


#11

Tert butyl alcohol
 Concen: 233.828 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

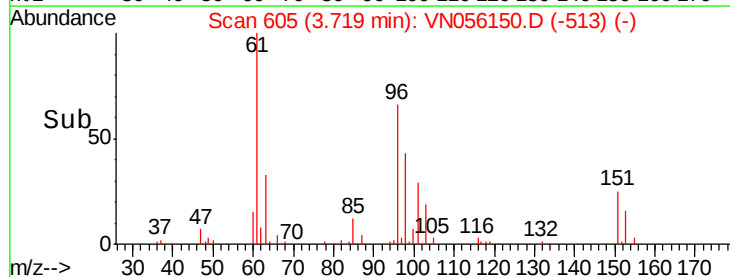
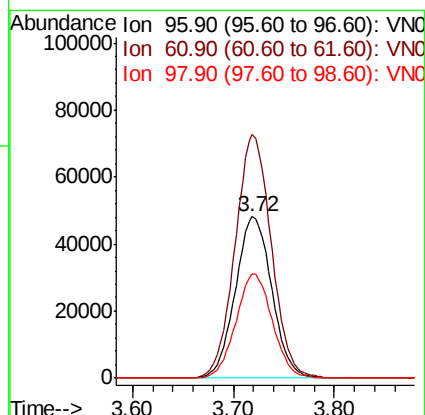
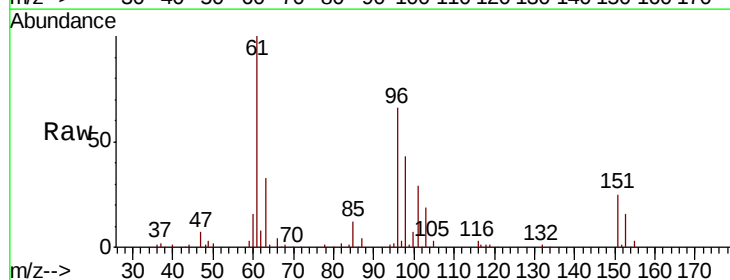
Tot Ion: 59 Resp: 111786
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.8 11.6

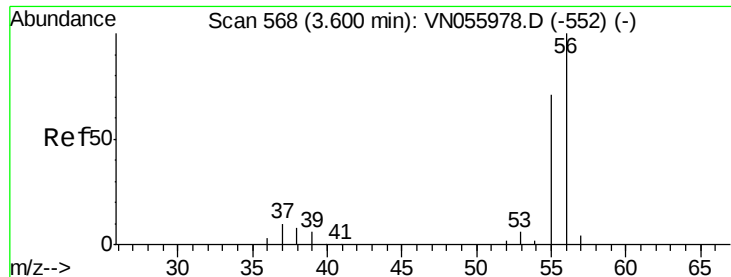


#12

1,1-Dichloroethene
 Concen: 51.960 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 96 Resp: 120687
 Ion Ratio Lower Upper
 96 100
 61 151.0 123.2 184.8
 98 64.5 50.4 75.6





#13

Acrolein

Concen: 236.701 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

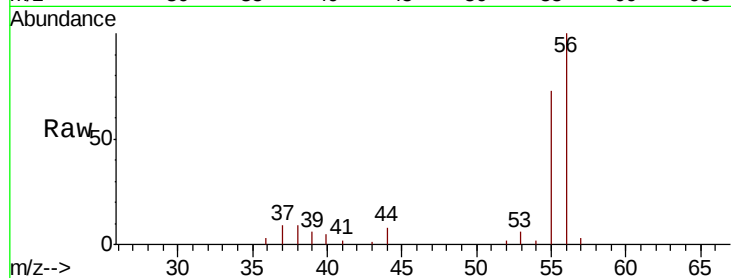
SP19-MMW-3414MS

Tot Ion: 56 Resp: 32636

Ion Ratio Lower Upper

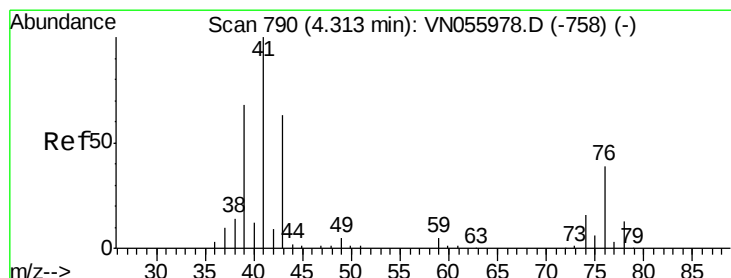
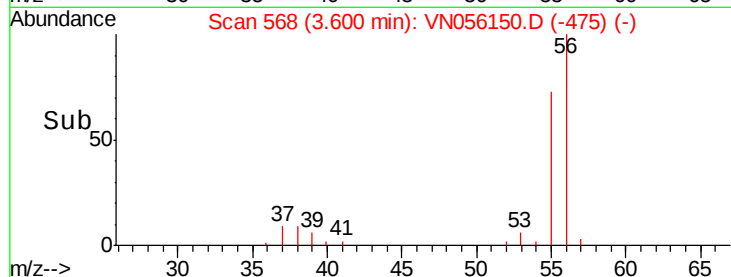
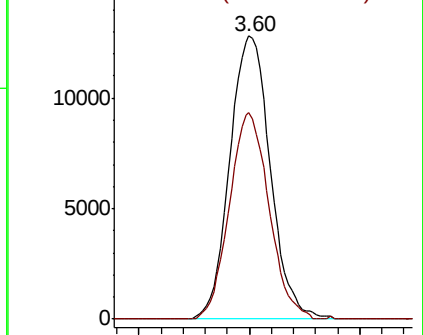
56 100

55 71.1 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.899 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

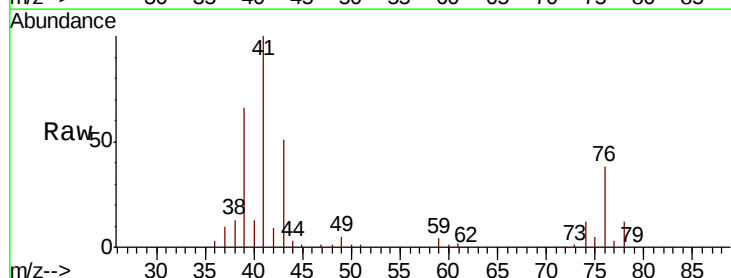
Tgt Ion: 41 Resp: 175675

Ion Ratio Lower Upper

41 100

39 60.4 50.0 75.0

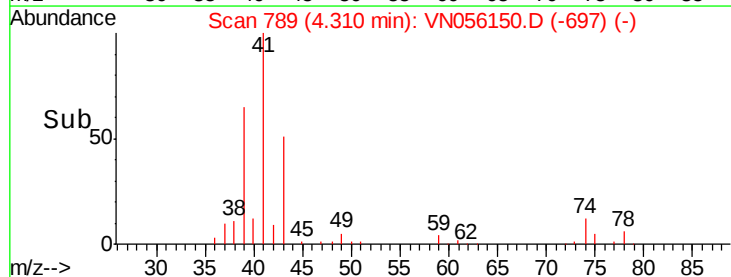
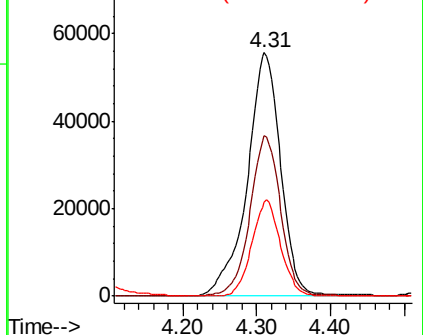
76 33.8 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 294.678 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

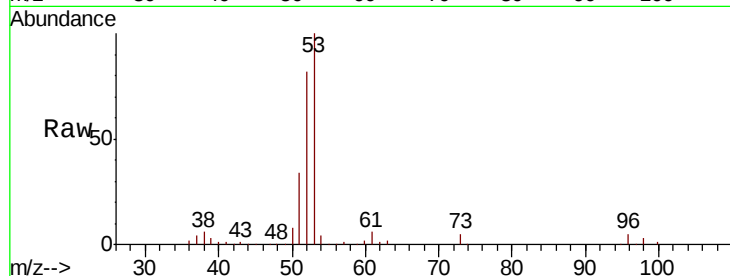
Tot Ion: 53 Resp: 342933

Ion Ratio Lower Upper

53 100

52 81.1 65.8 98.8

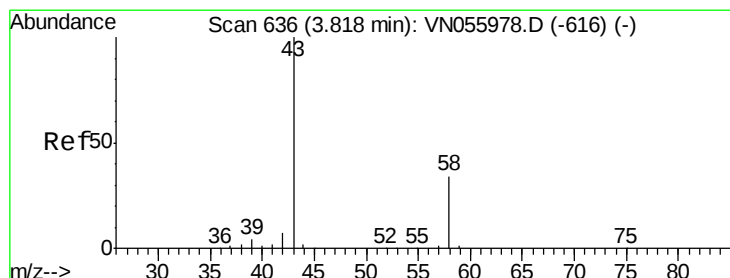
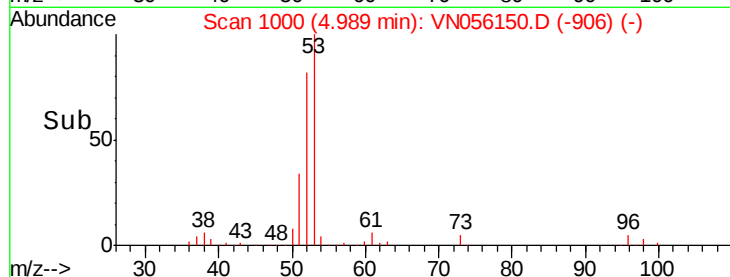
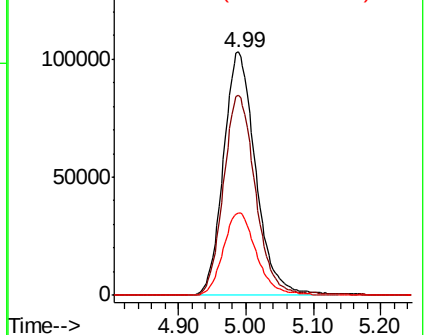
51 34.9 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 211.237 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056150.D

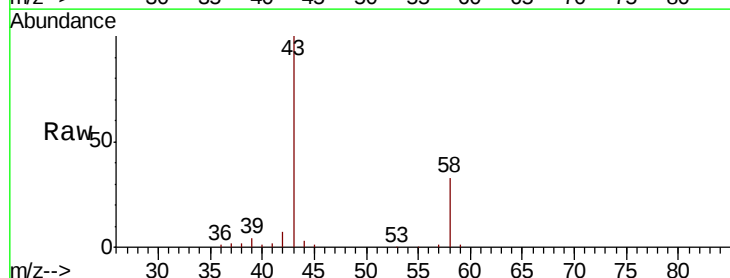
Acq: 8 Jun 2019 13:42

Tgt Ion: 43 Resp: 277542

Ion Ratio Lower Upper

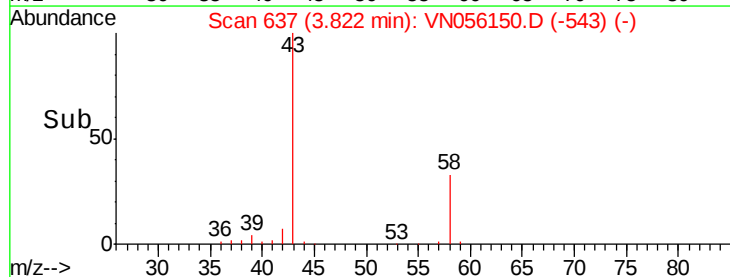
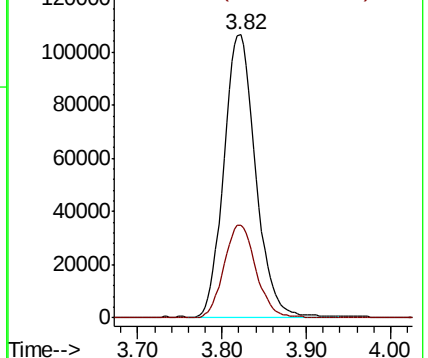
43 100

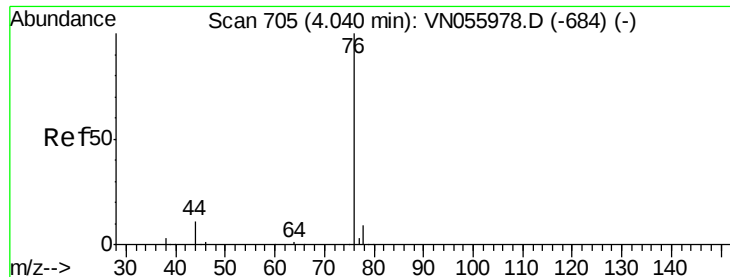
58 33.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

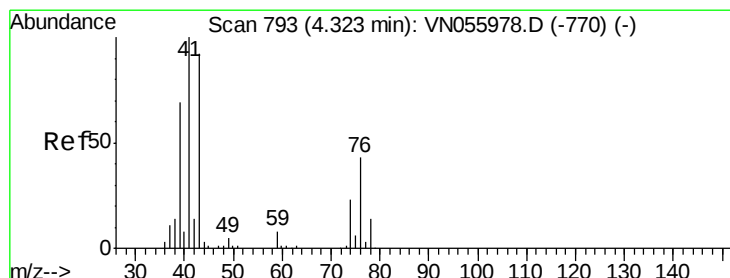
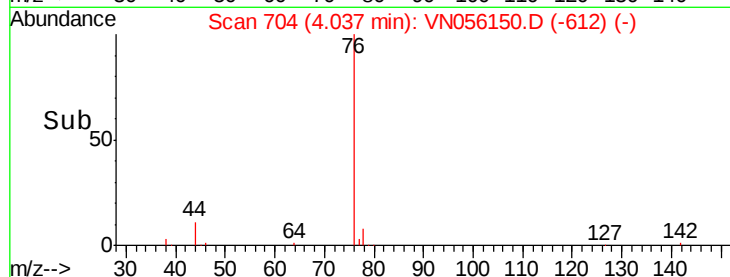
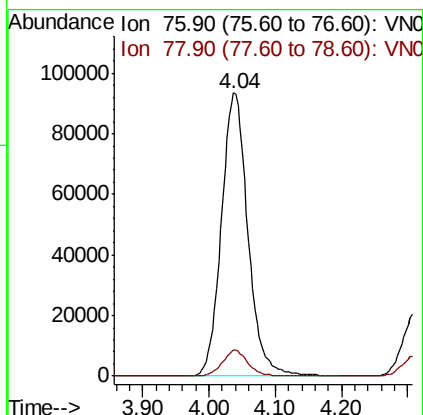
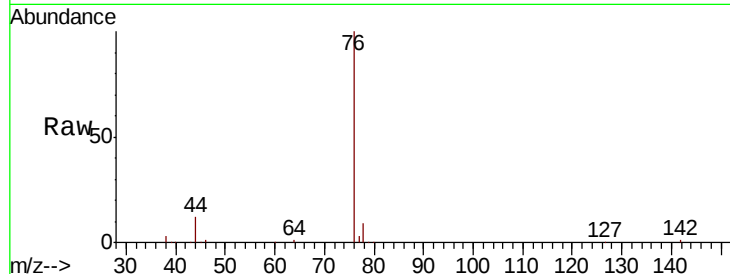




#17
Carbon Disulfide
Concen: 46.665 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

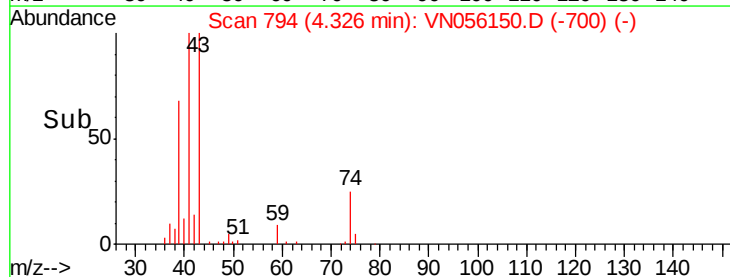
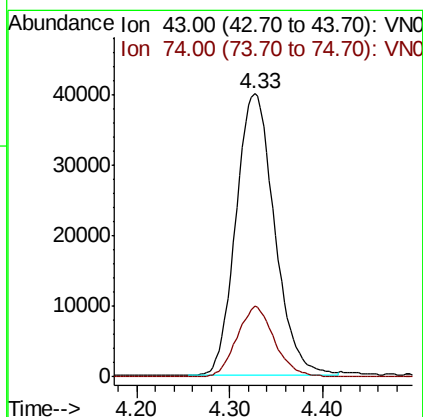
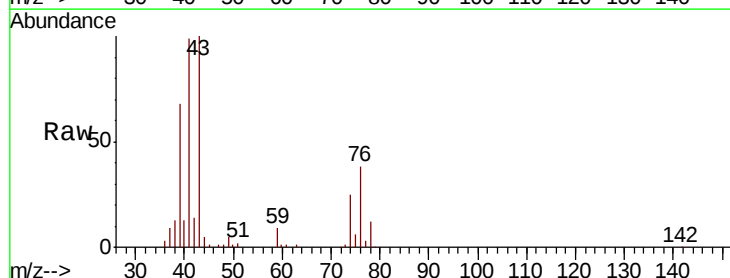
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 76 Resp: 259519
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 44.771 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 43 Resp: 115703
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9

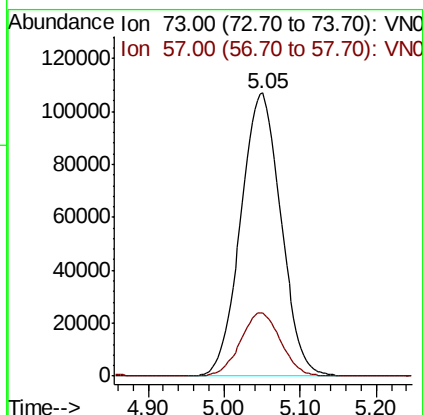
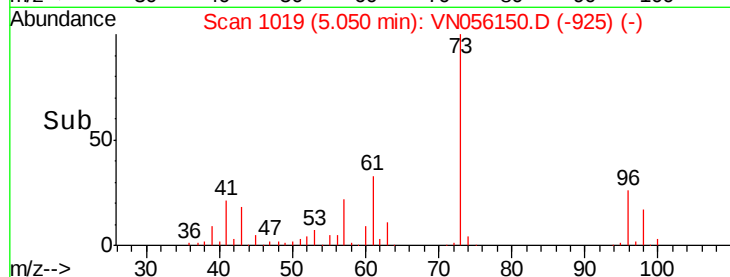
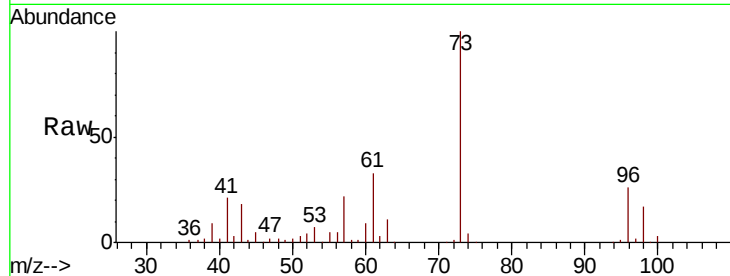




#19
Methvl tert-butvl Ether
Concen: 53.137 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

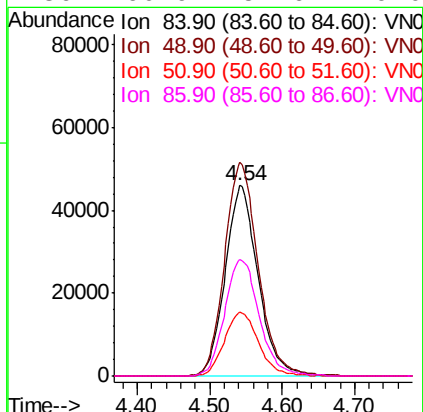
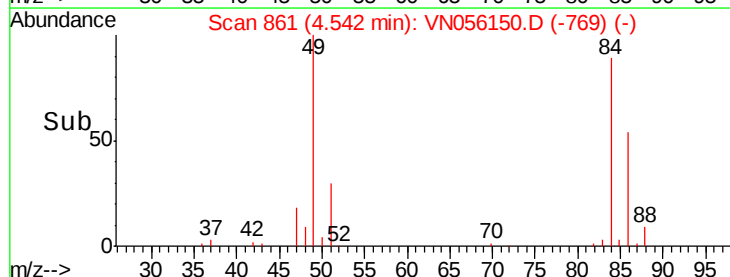
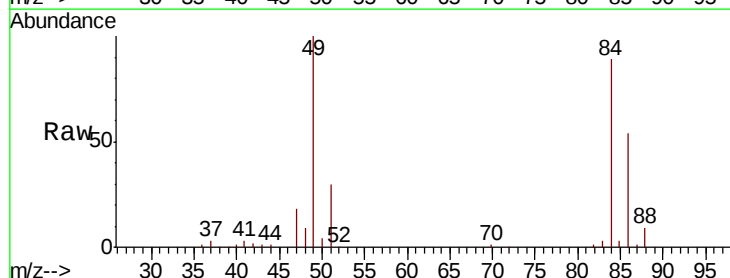
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

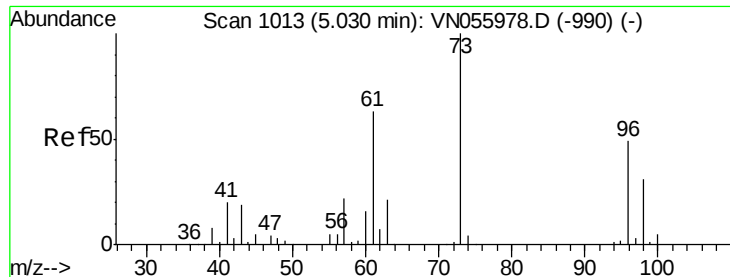
Tot Ion: 73 Resp: 393406
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8



#20
Methylene Chloride
Concen: 53.523 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 84 Resp: 144882
Ion Ratio Lower Upper
84 100
49 112.2 93.5 140.3
51 33.5 28.6 43.0
86 60.9 52.6 79.0

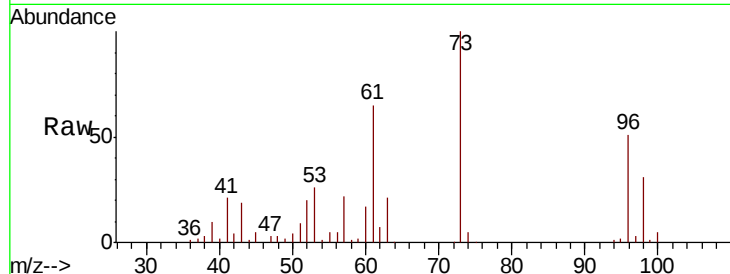




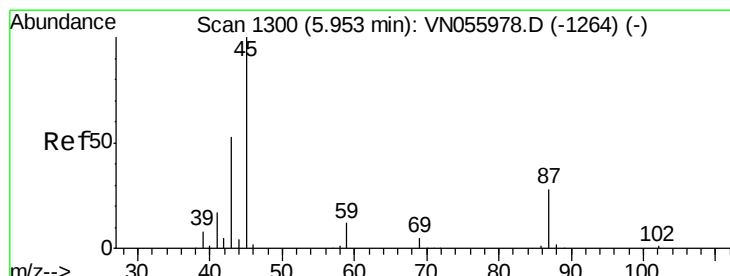
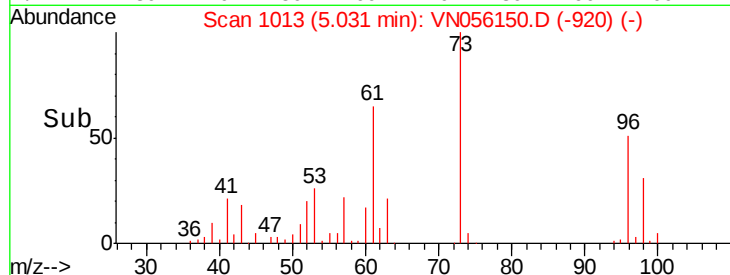
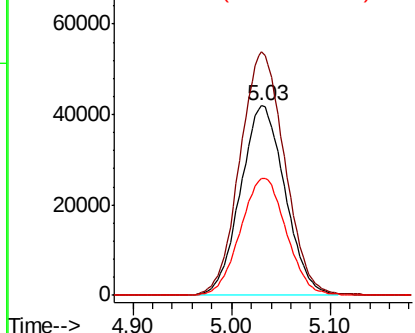
#21
trans-1,2-Dichloroethene
Concen: 52.771 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 96 Resp: 131328
Ion Ratio Lower Upper
96 100
61 128.6 107.8 161.8
98 61.6 49.8 74.8

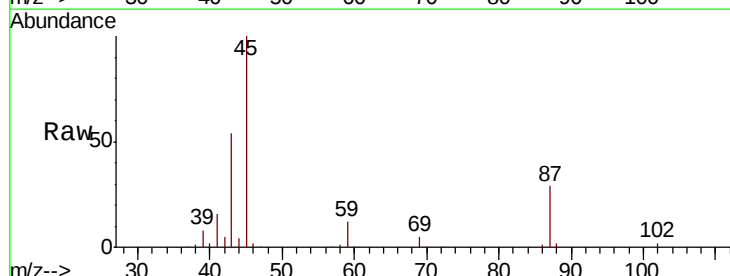


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

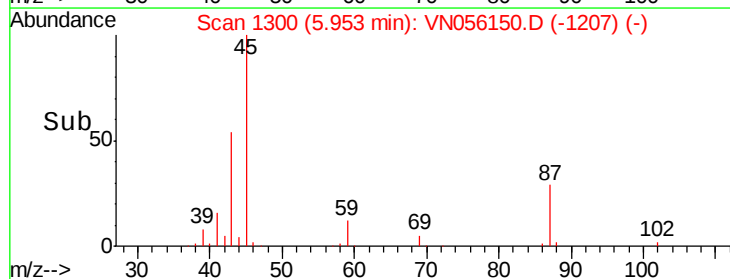
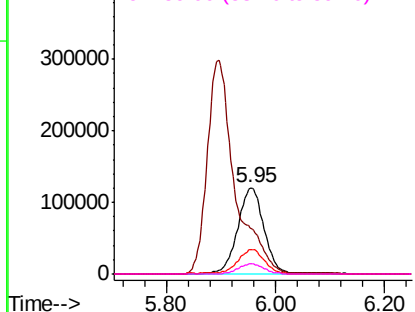


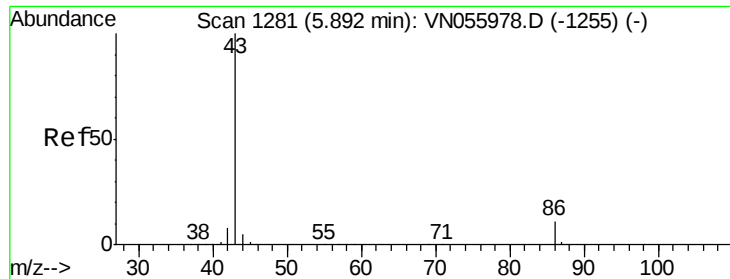
#22
Diisopropyl ether
Concen: 53.888 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 45 Resp: 408556
Ion Ratio Lower Upper
45 100
43 53.6 45.0 67.6
87 28.6 22.2 33.4
59 12.0 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 177.112 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

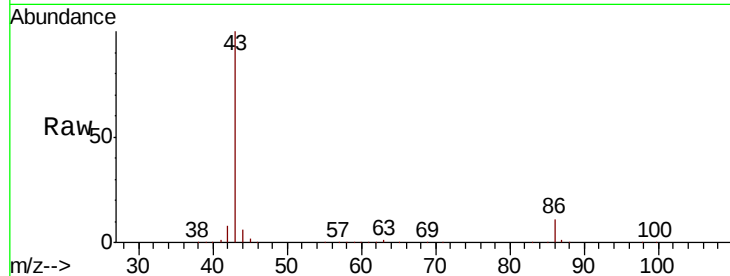
SP19-MMW-3414MS

Tot Ion: 43 Resp: 1057437

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN056150.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN056150.D (-1188) (-)

5.90

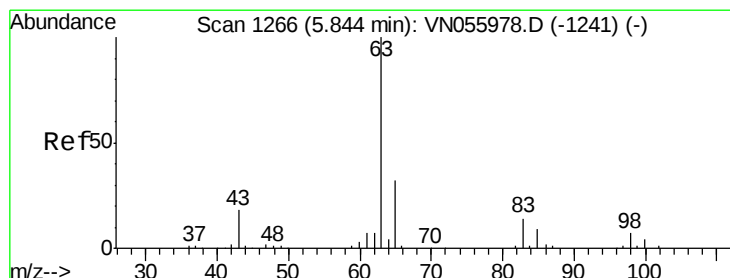
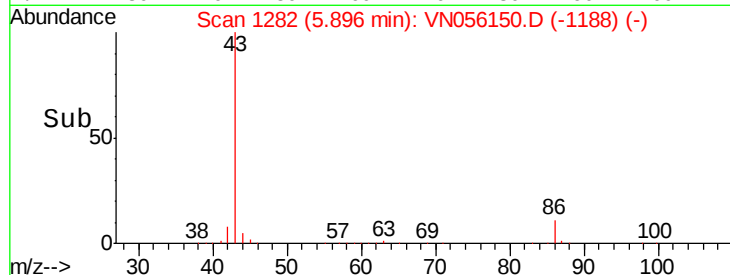
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 53.916 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

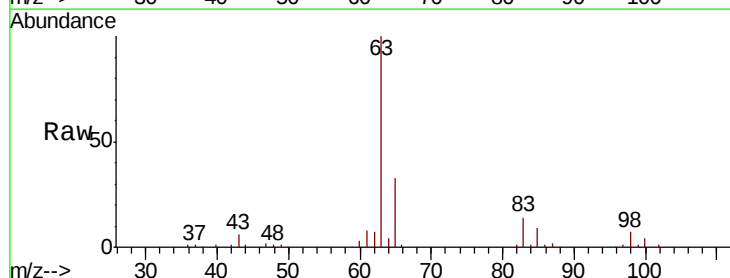
Tgt Ion: 63 Resp: 235792

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN056150.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN056150.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN056150.D (-1173) (-)

5.84

100000

80000

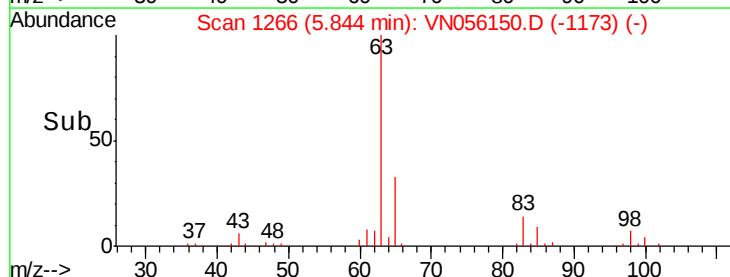
60000

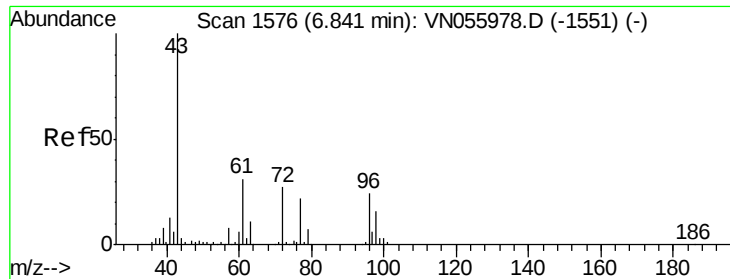
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

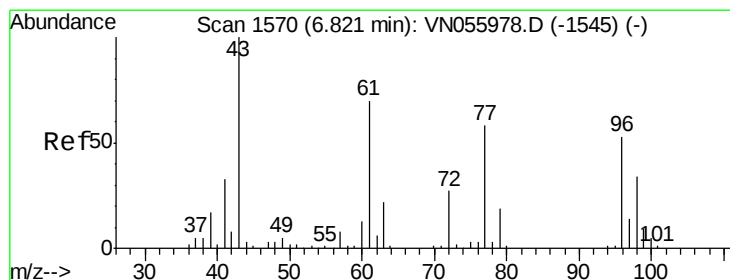
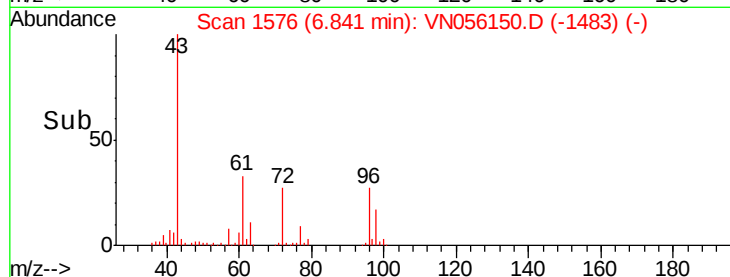
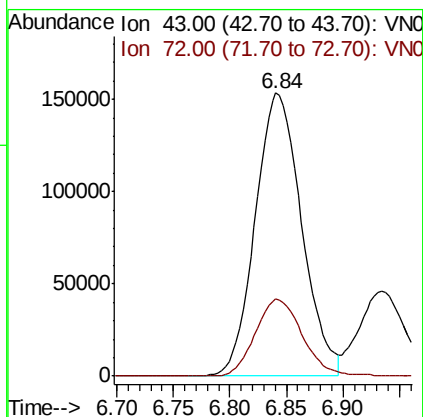
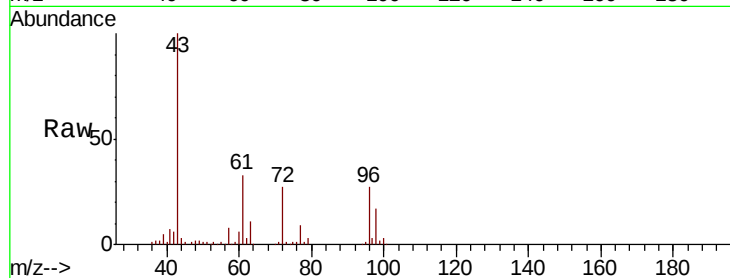




#25
2-Butanone
Concen: 262.079 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

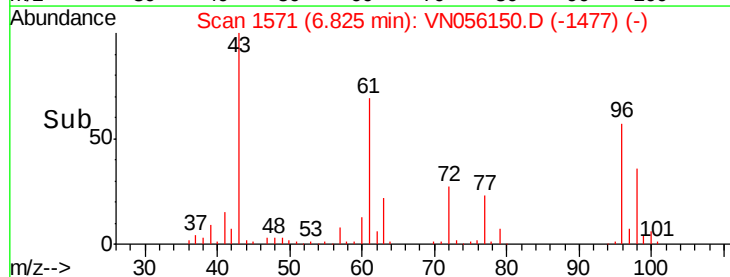
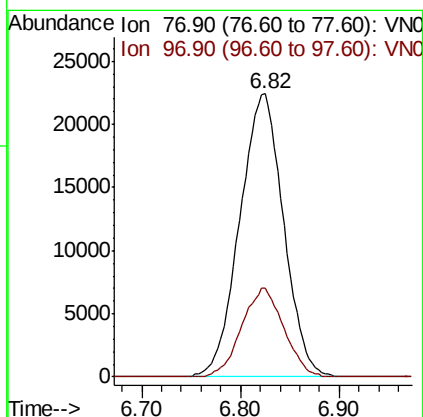
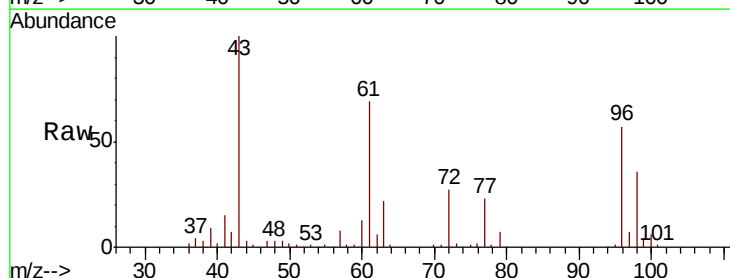
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 43 Resp: 435066
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9



#26
2,2-Dichloropropane
Concen: 20.160 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 77 Resp: 68797
Ion Ratio Lower Upper
77 100
97 30.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 54.246 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

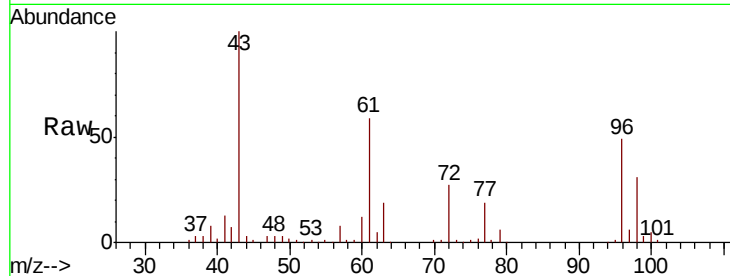
Tot Ion: 96 Resp: 158689

Ion Ratio Lower Upper

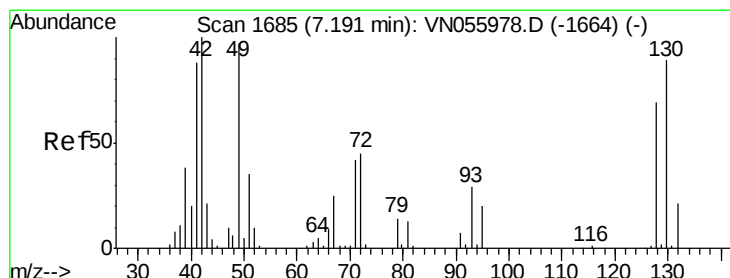
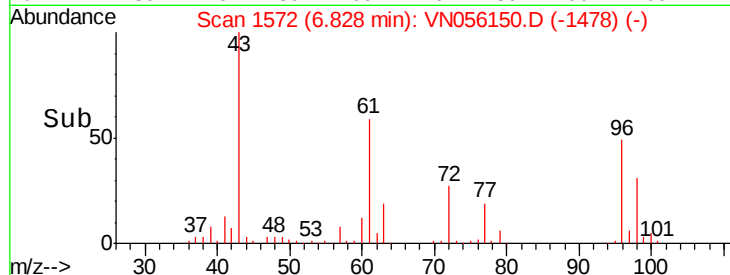
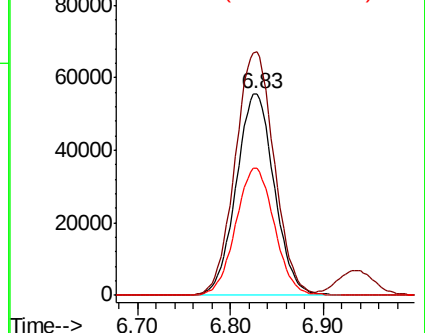
96 100

61 123.8 0.0 275.8

98 63.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 55.903 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

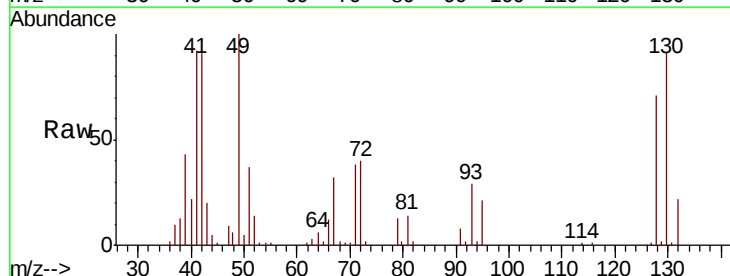
Tgt Ion: 49 Resp: 115615

Ion Ratio Lower Upper

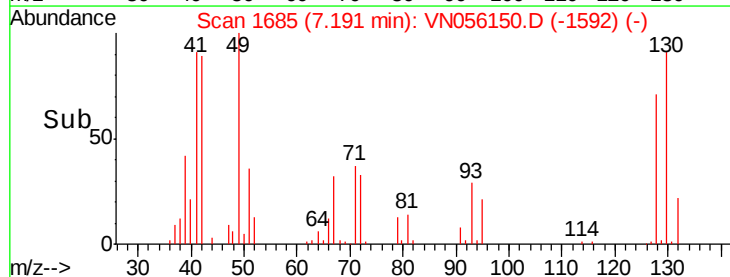
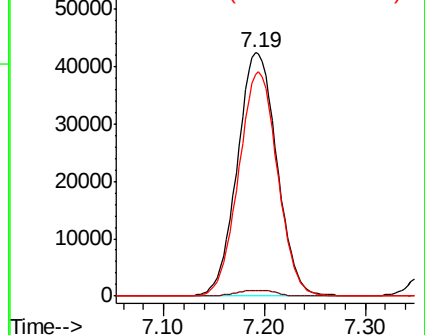
49 100

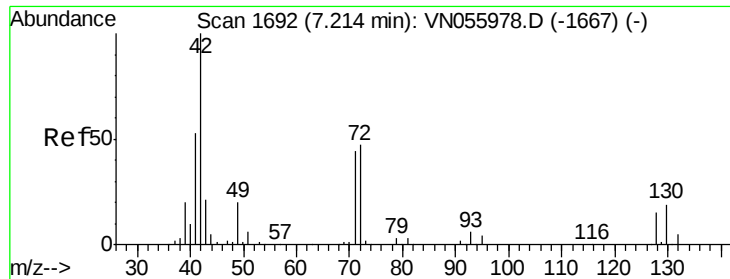
129 2.3 0.0 4.4

130 90.3 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

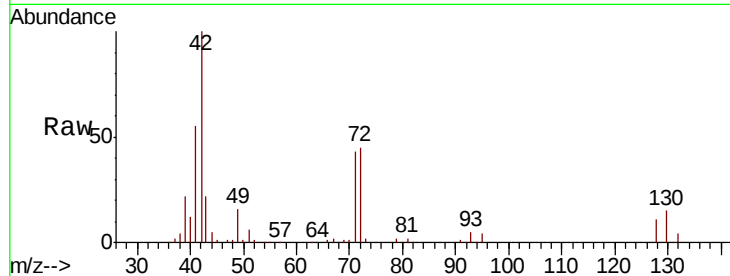




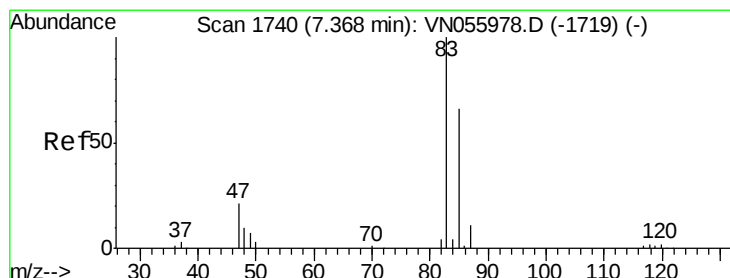
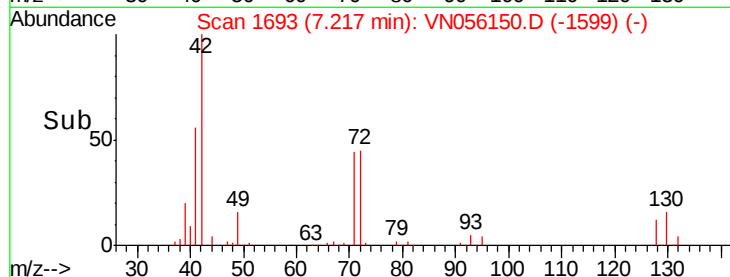
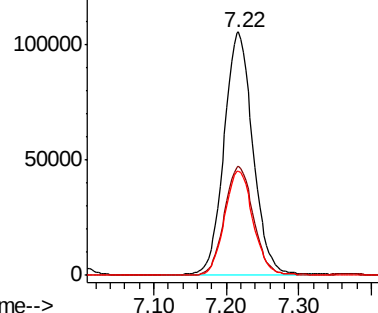
#29
Tetrahydrofuran
Concen: 286.763 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 42 Resp: 294261
Ion Ratio Lower Upper
42 100
72 44.8 35.9 53.9
71 42.2 34.0 51.0

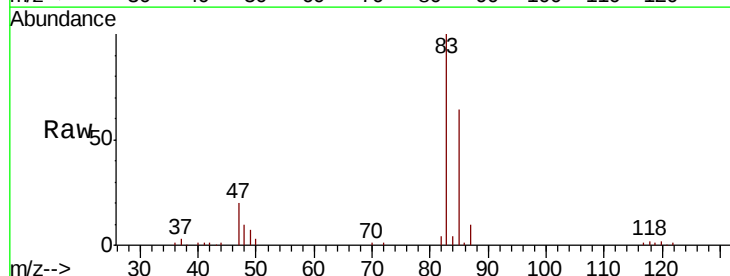


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

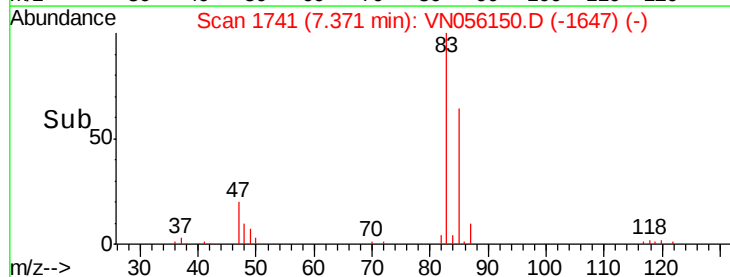
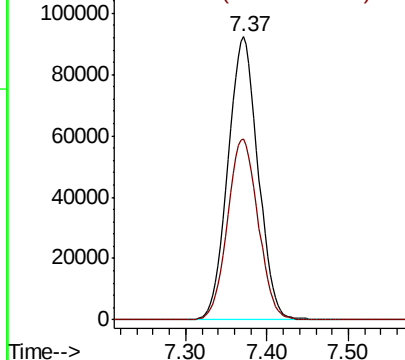


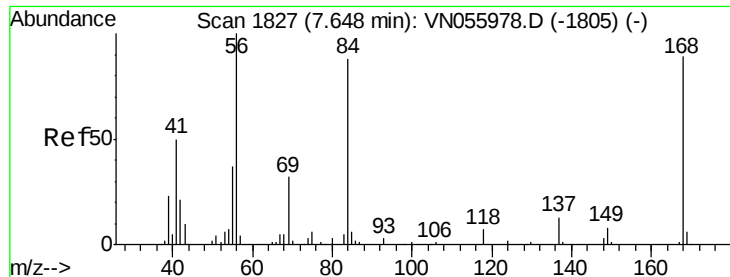
#30
Chloroform
Concen: 54.171 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 83 Resp: 238321
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

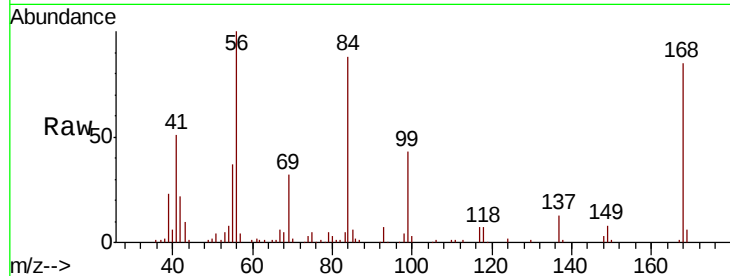




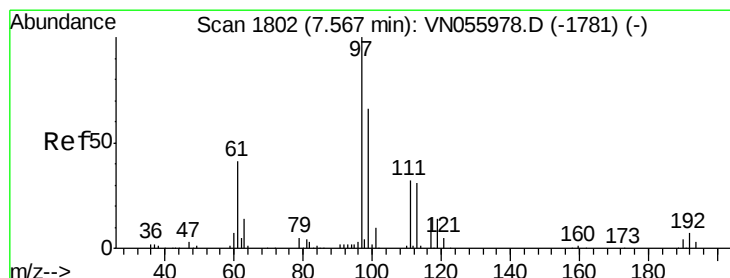
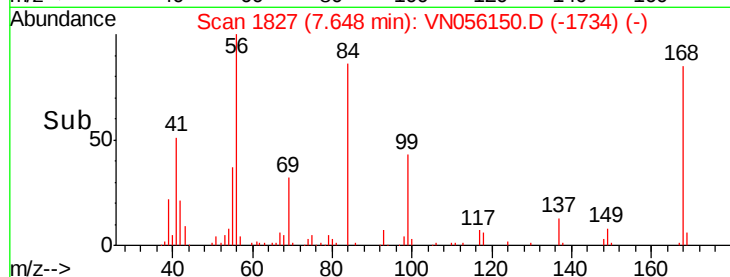
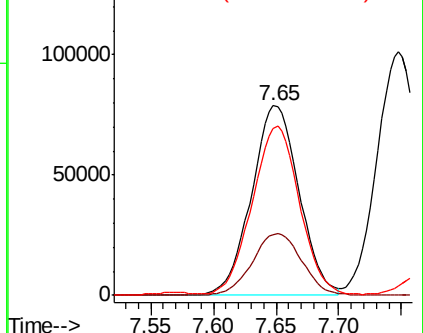
#31
Cyclohexane
Concen: 47.761 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 56 Resp: 208198
Ion Ratio Lower Upper
56 100
69 32.2 25.6 38.4
84 87.0 67.4 101.0

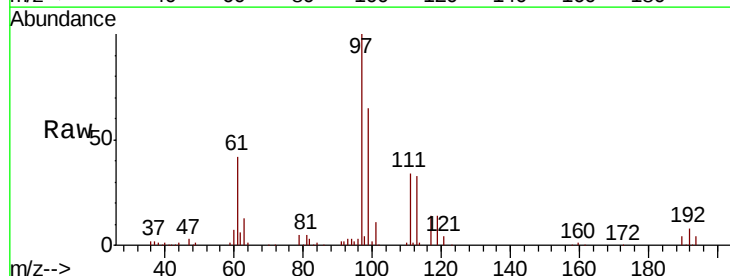


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

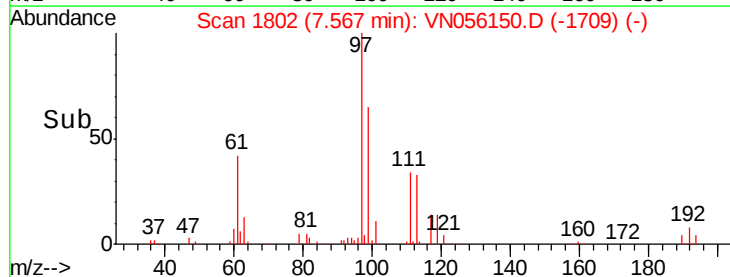
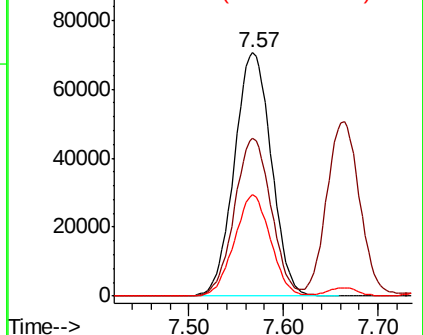


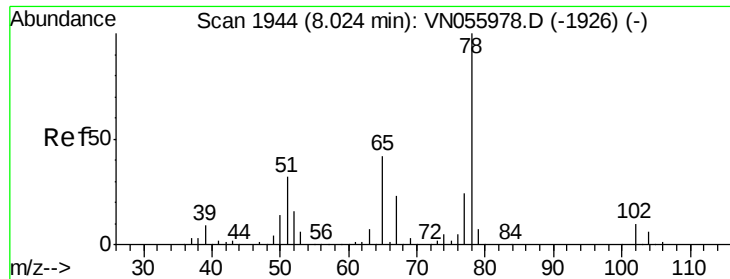
#32
1,1,1-Trichloroethane
Concen: 52.255 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 97 Resp: 191972
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 40.8 32.9 49.3



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

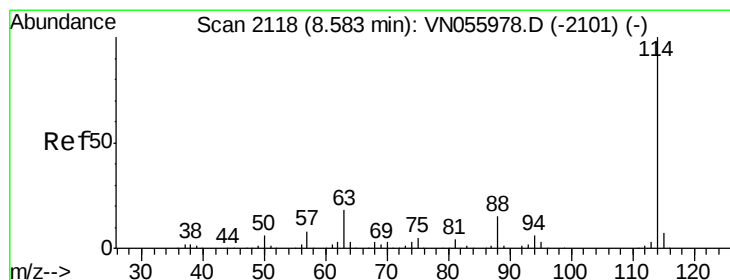
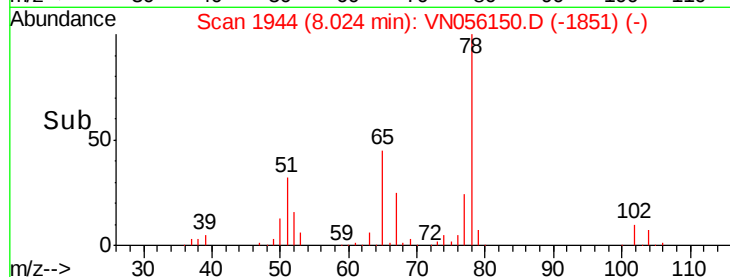
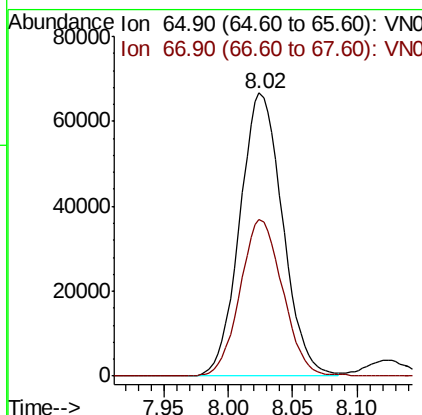
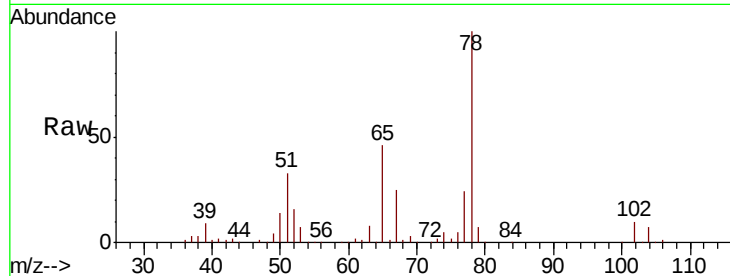




#33
 1,2-Dichloroethane-d4
 Concen: 56.162 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

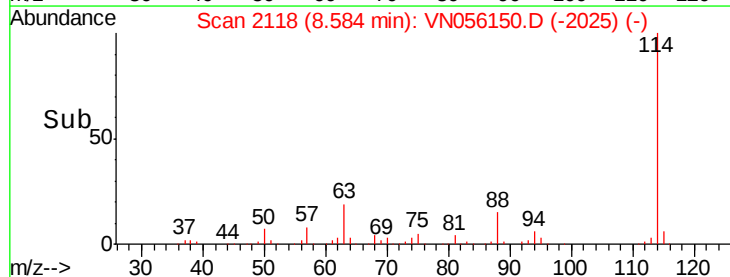
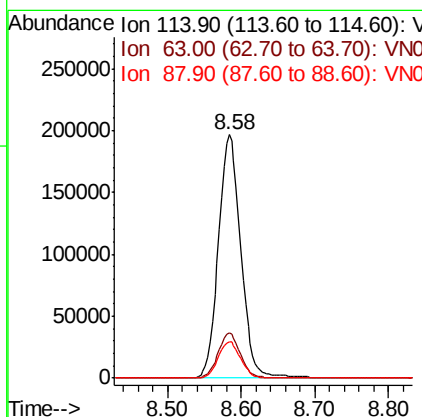
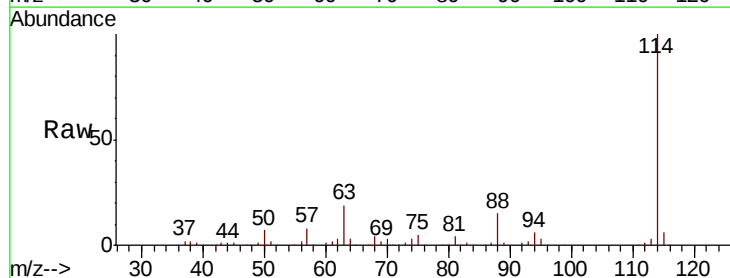
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

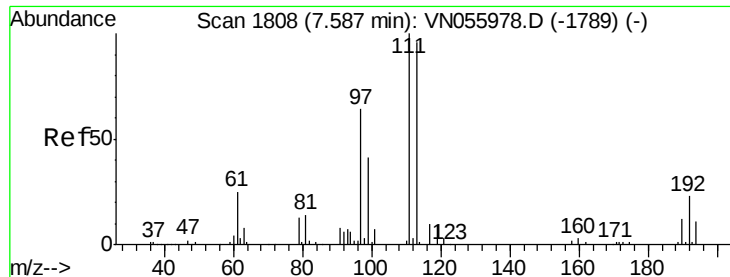
Tot Ion: 65 Resp: 154288
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 114 Resp: 415213
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.0 0.0 31.0

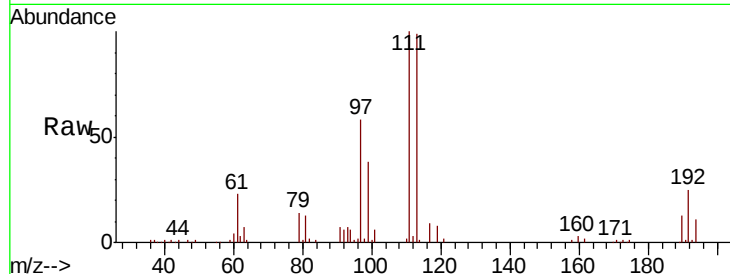




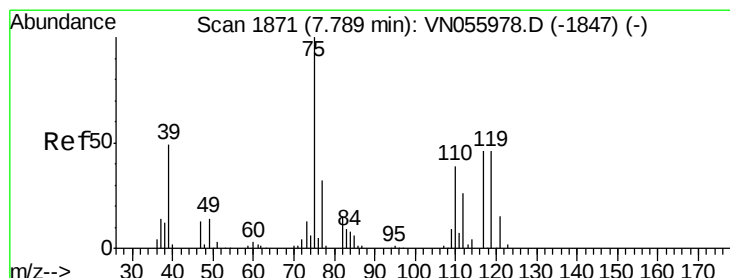
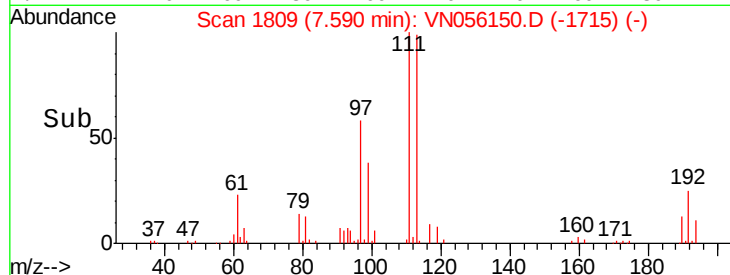
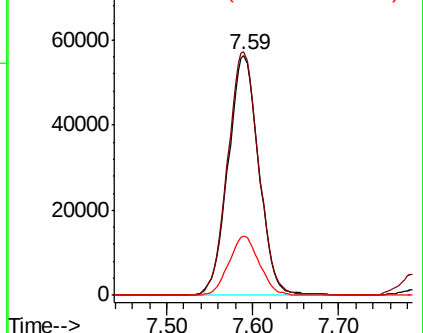
#35
 Dibromofluoromethane
 Concen: 54.849 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	24.5	19.5	29.3

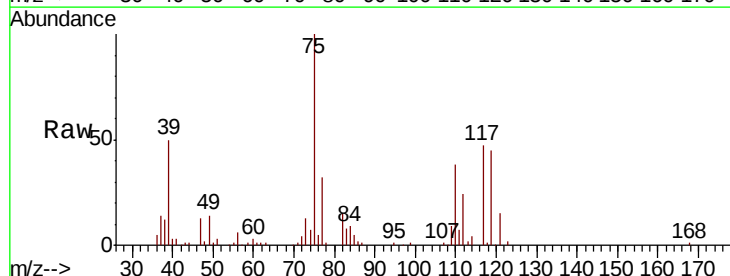


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

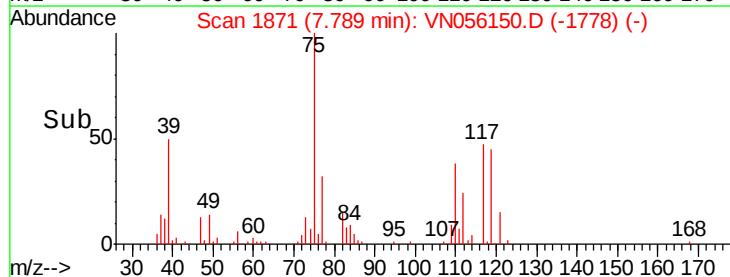
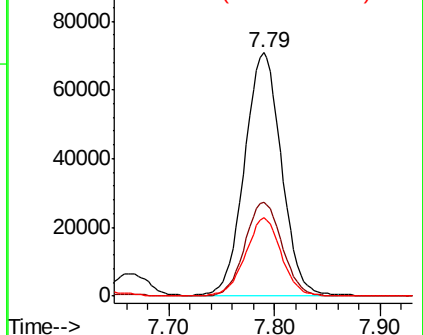


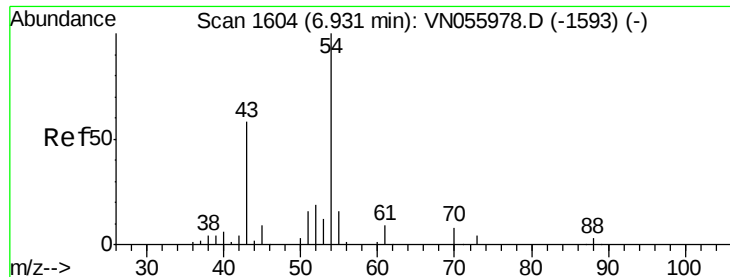
#36
 1,1-Dichloropropene
 Concen: 47.974 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.0	57.0
77	31.6	25.1	37.7



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

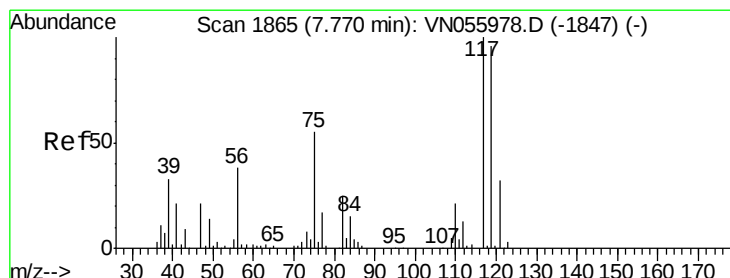
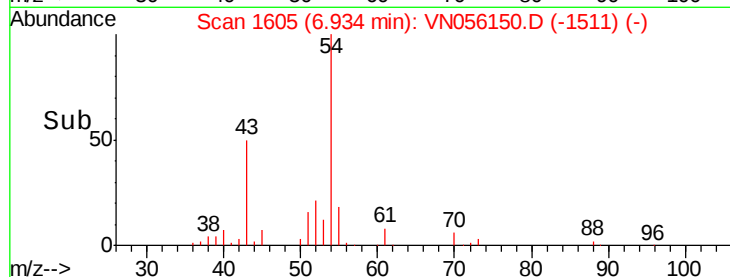
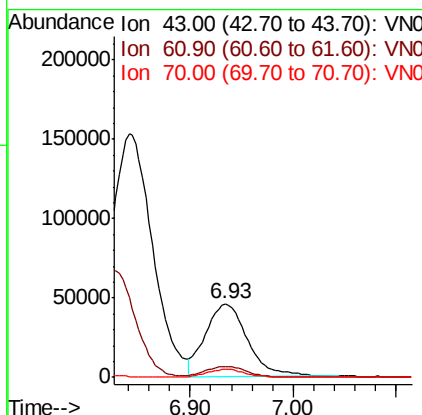
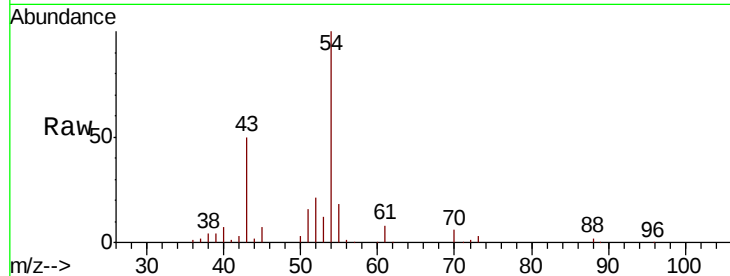




#37
Ethyl Acetate
Concen: 41.072 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

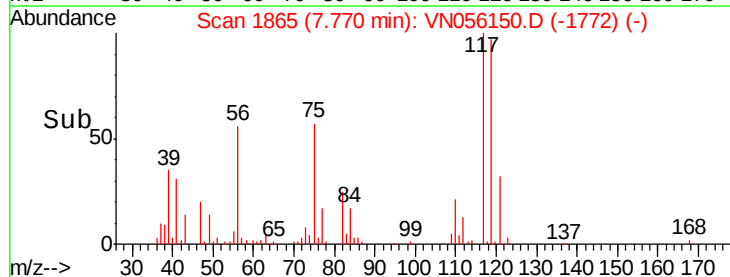
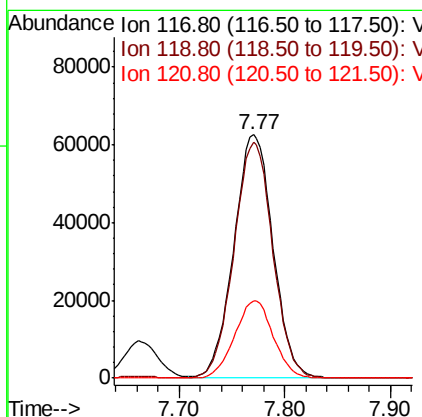
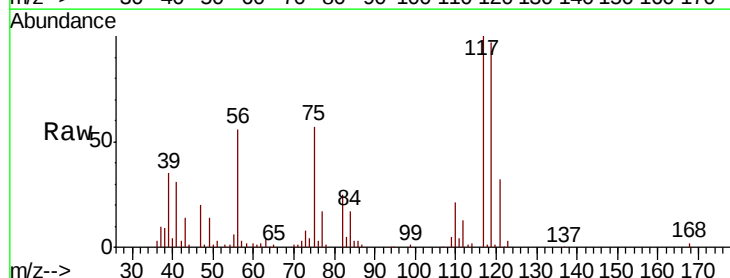
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

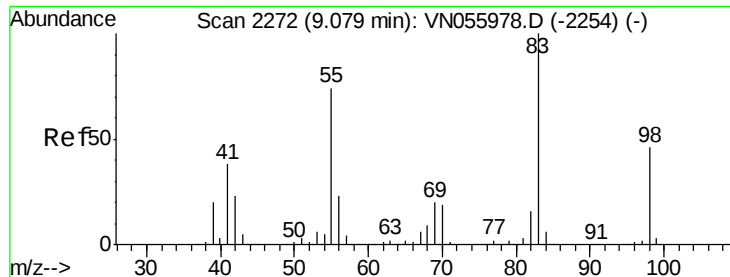
Tot Ion: 43 Resp: 130471
Ion Ratio Lower Upper
43 100
61 14.5 12.2 18.2
70 10.4 8.9 13.3



#38
Carbon Tetrachloride
Concen: 49.034 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 117 Resp: 161398
Ion Ratio Lower Upper
117 100
119 96.8 79.0 118.6
121 31.7 24.7 37.1

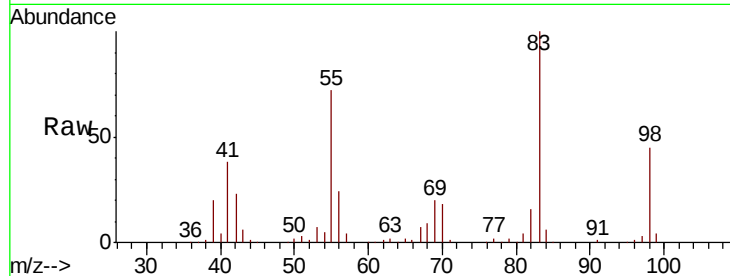




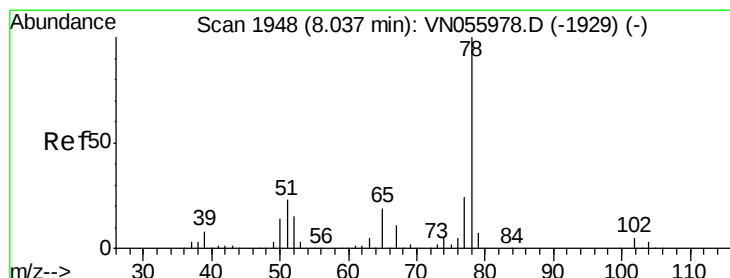
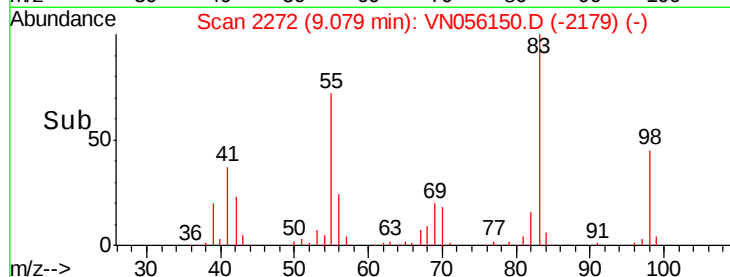
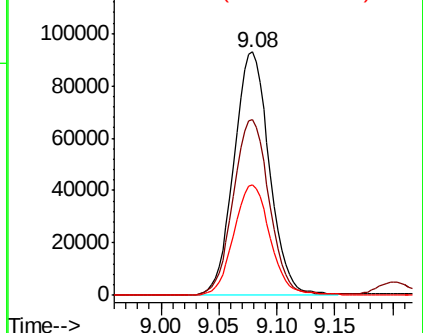
#39
Methvlcvclohexane
Concen: 44.528 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 83 Resp: 198040
Ion Ratio Lower Upper
83 100
55 72.0 59.3 88.9
98 45.5 36.6 54.8

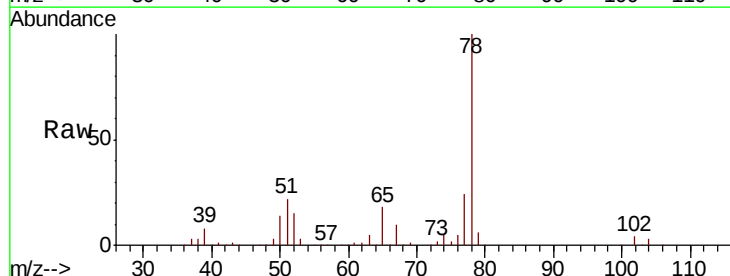


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

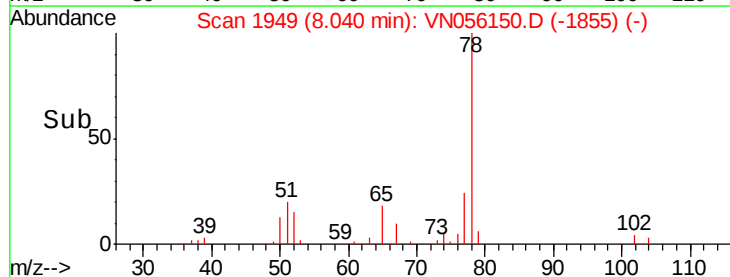
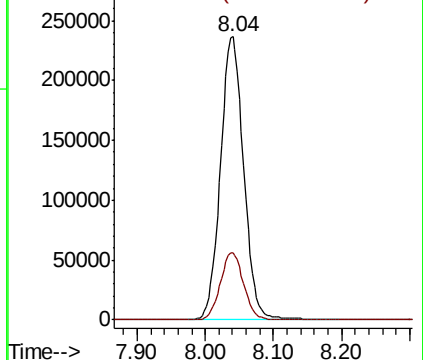


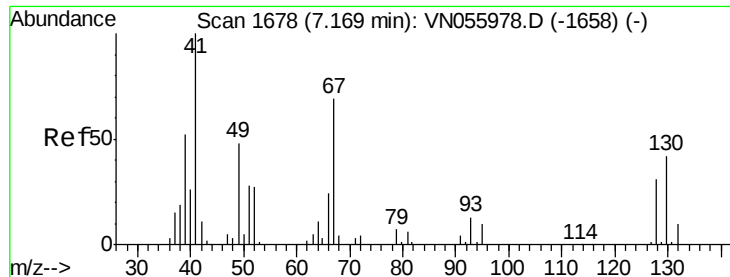
#40
Benzene
Concen: 51.496 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 78 Resp: 558404
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

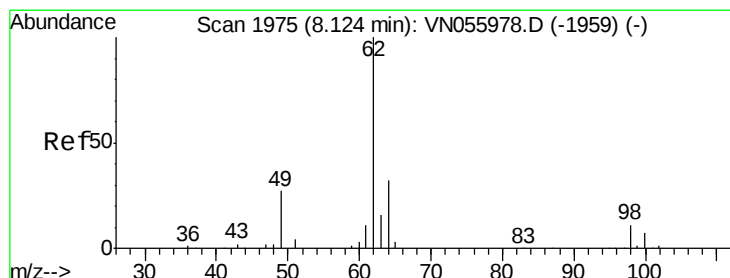
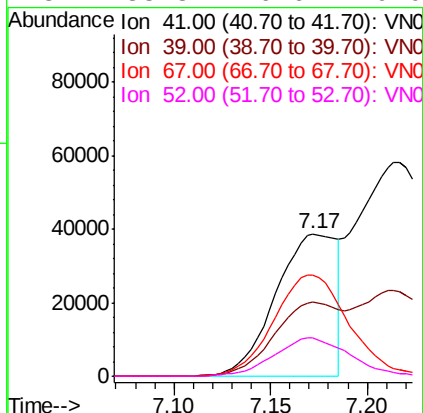
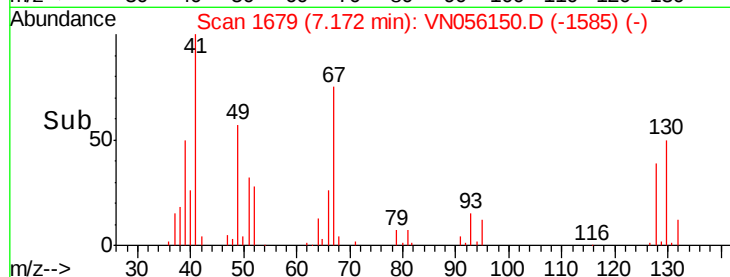
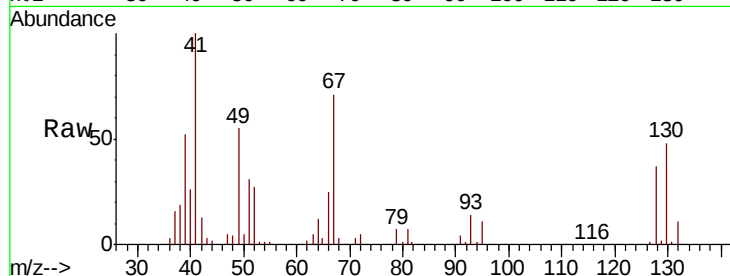




#41
Methacrylonitrile
Concen: 58.160 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

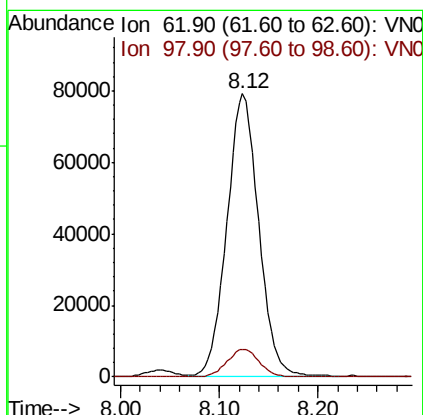
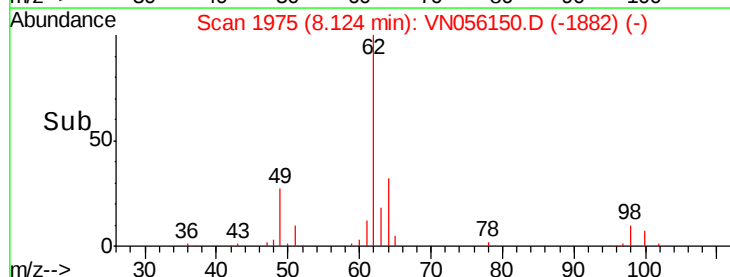
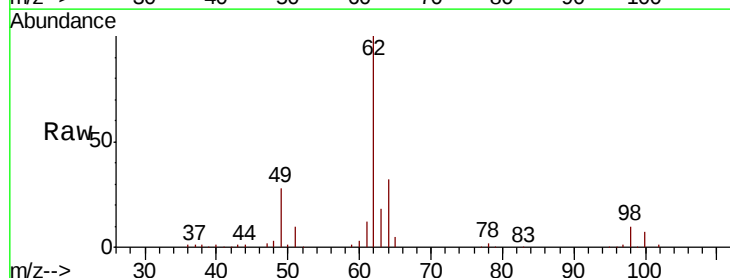
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

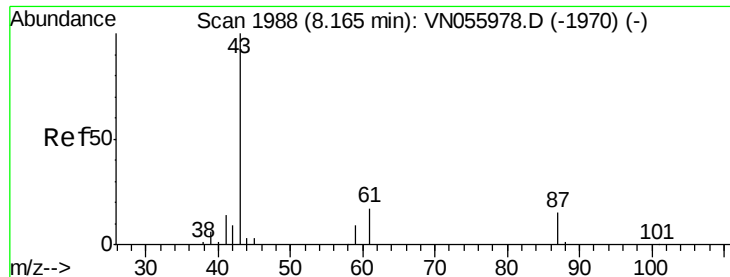
Tot Ion: 41 Resp: 85004
Ion Ratio Lower Upper
41 100
39 56.3 45.6 68.4
67 88.6 67.7 101.5
52 33.8 26.6 40.0



#42
1,2-Dichloroethane
Concen: 50.945 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 62 Resp: 177698
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.2





#43

Isopropyl Acetate

Concen: 42.069 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

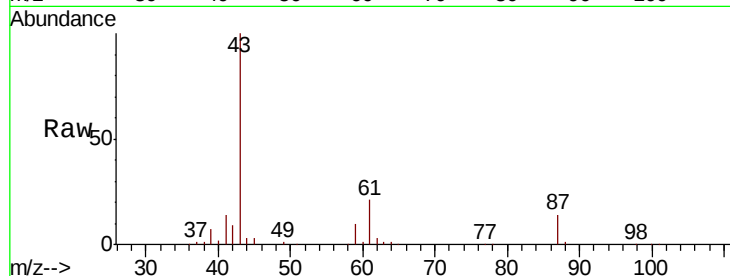
Tot Ion: 43 Resp: 216558

Ion Ratio Lower Upper

43 100

61 22.0 22.2 33.4#

87 14.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN056150.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN056150.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN056150.D (-1895) (-)

8.17

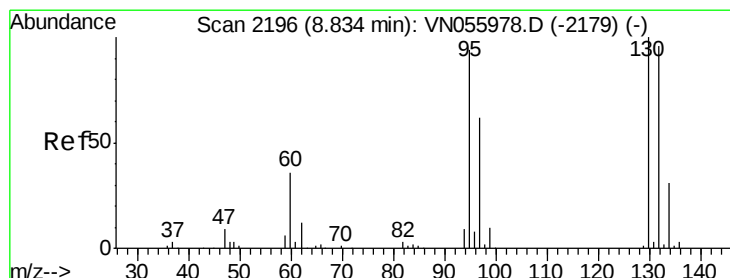
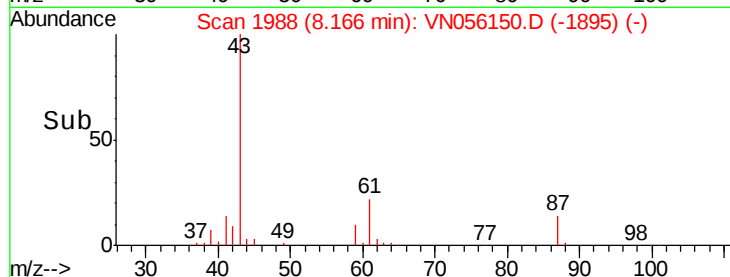
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 50.704 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056150.D

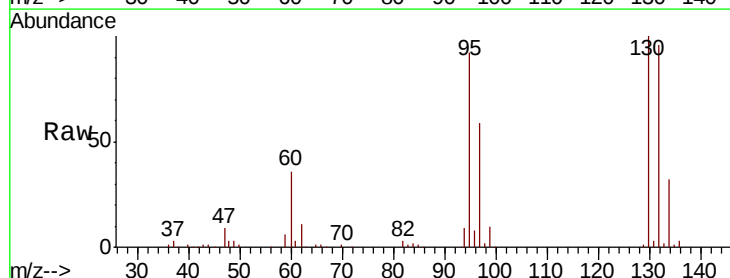
Acq: 8 Jun 2019 13:42

Tgt Ion:130 Resp: 157990

Ion Ratio Lower Upper

130 100

95 92.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN056150.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056150.D (-2103) (-)

8.83

80000

60000

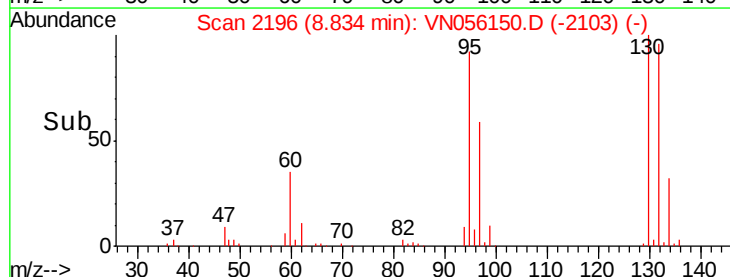
40000

20000

0

8.70 8.80 8.90 9.00

Time-->

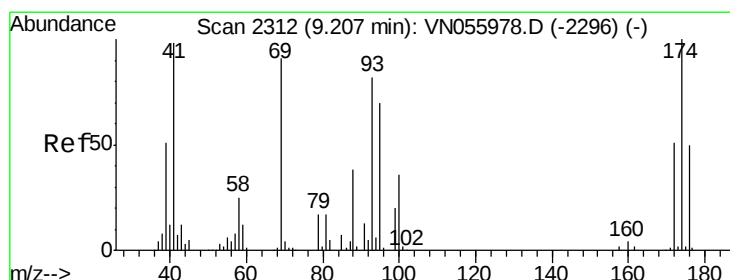
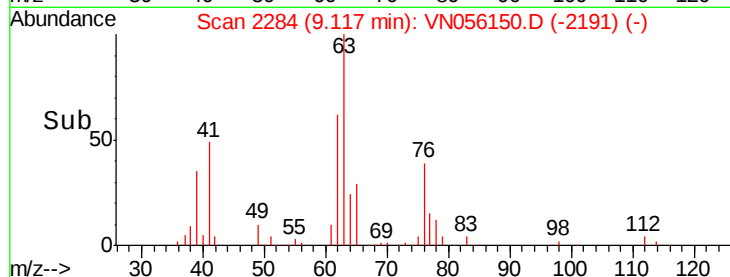
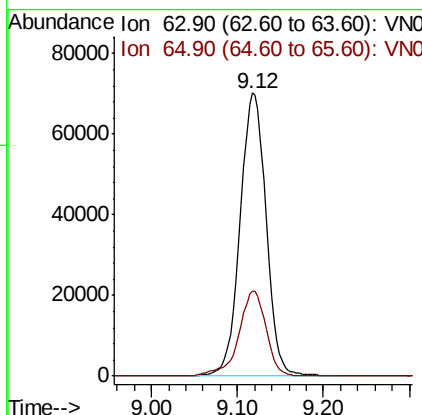
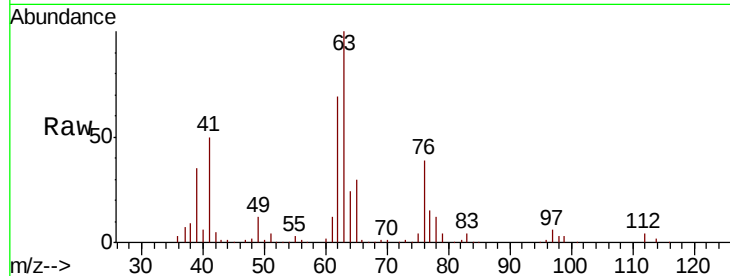




#45
 1,2-Dichloropropane
 Concen: 53.216 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

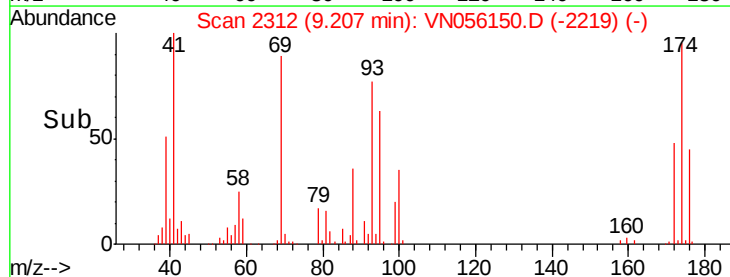
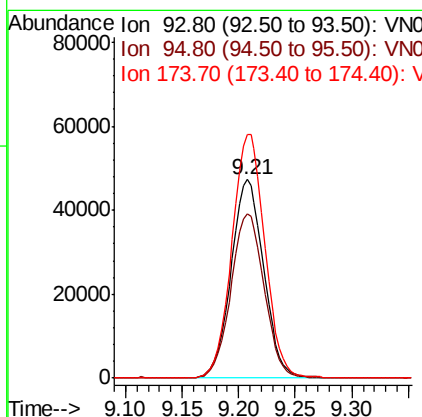
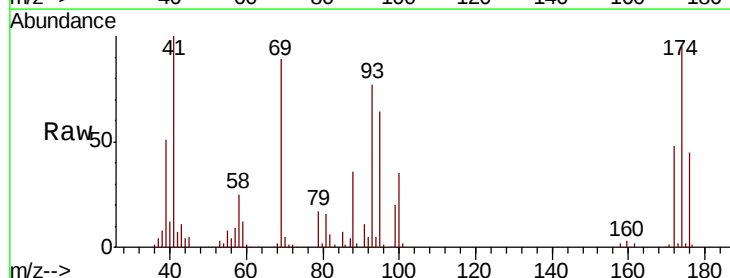
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion: 63 Resp: 147808
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 36.8



#46
 Dibromomethane
 Concen: 52.369 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 93 Resp: 95117
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 123.7 96.4 144.6





#47

Bromodichloromethane

Concen: 51.390 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

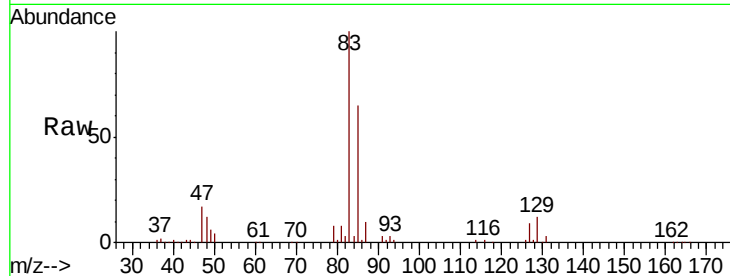
Tot Ion: 83 Resp: 169170

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.2

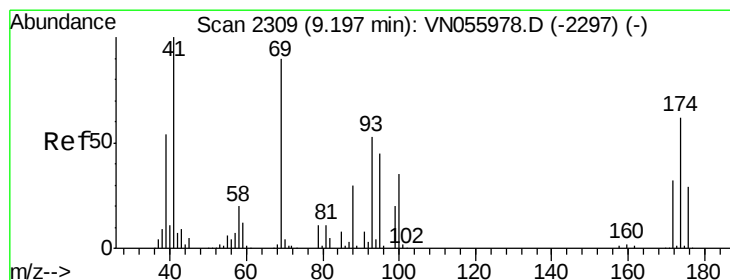
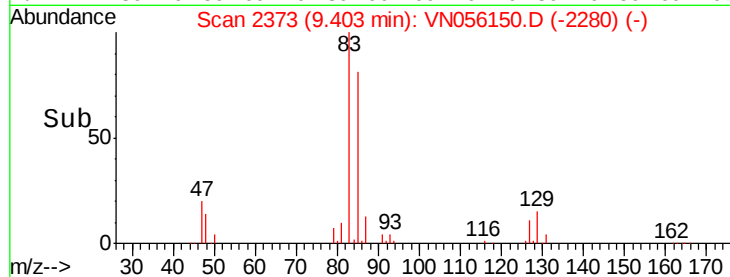
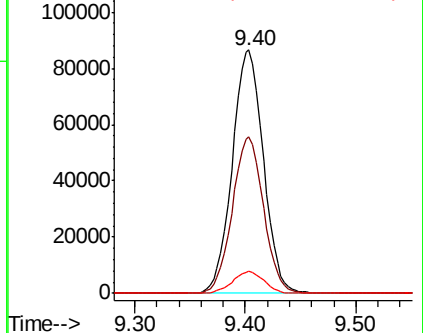
127 9.0 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056150.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056150.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056150.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.685 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

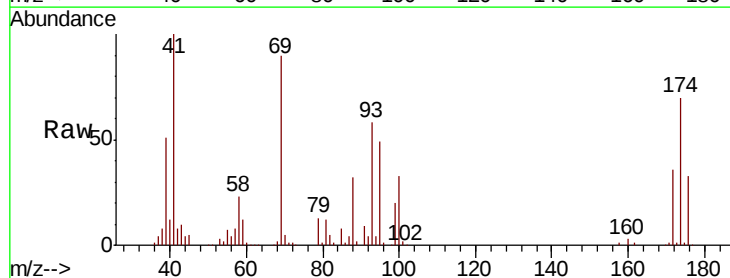
Tgt Ion: 41 Resp: 137719

Ion Ratio Lower Upper

41 100

69 91.2 71.0 106.6

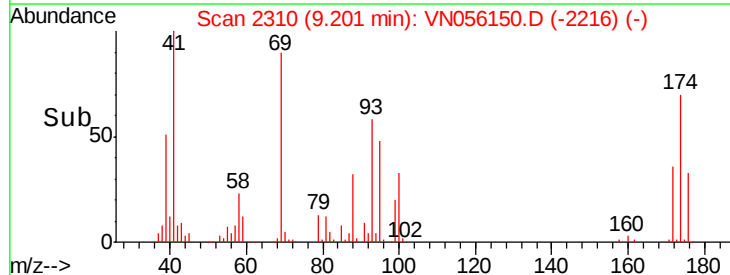
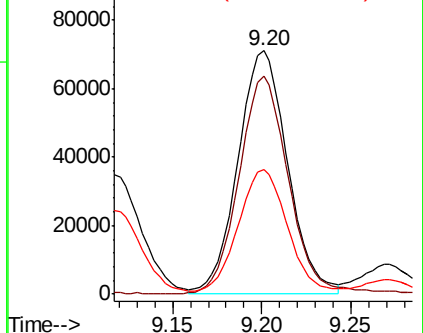
39 51.4 44.2 66.2

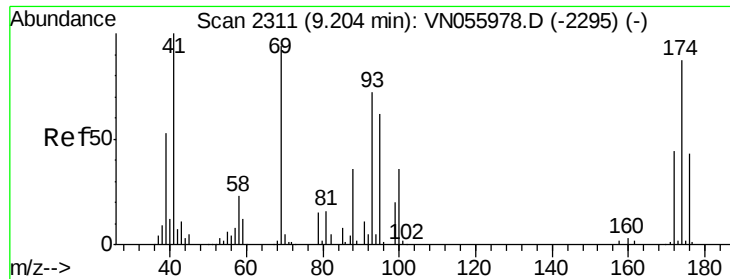


Abundance Ion 41.00 (40.70 to 41.70): VN056150.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056150.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056150.D (-2216) (-)

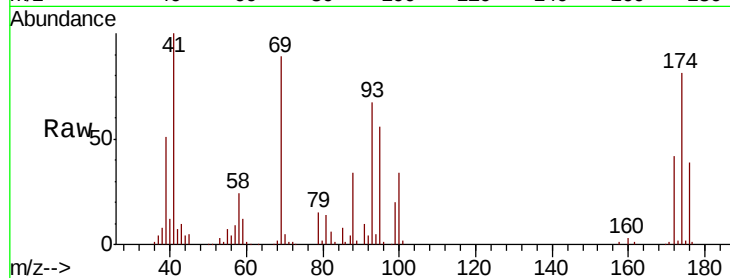




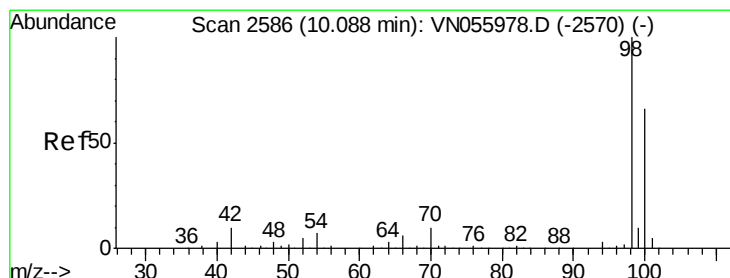
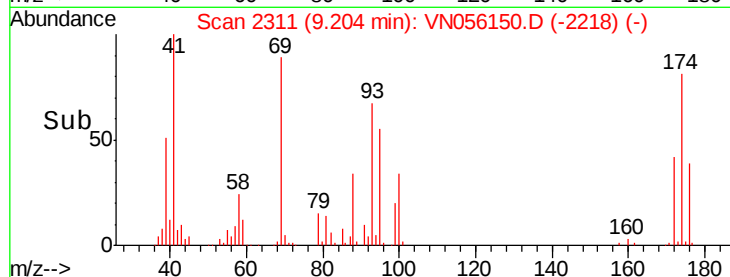
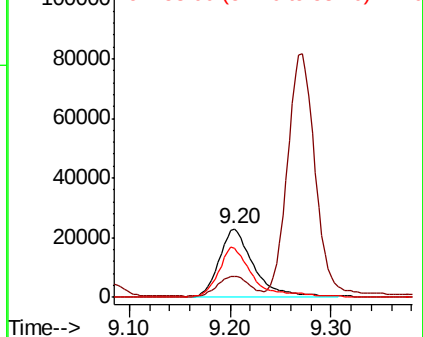
#49
1,4-Dioxane
Concen: 1021.096 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 88 Resp: 55516
Ion Ratio Lower Upper
88 100
43 26.7 20.5 30.7
58 72.8 55.8 83.6

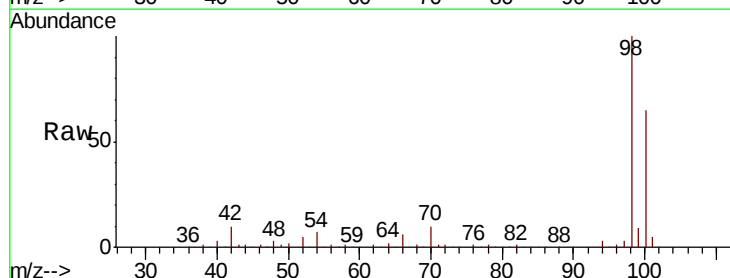


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

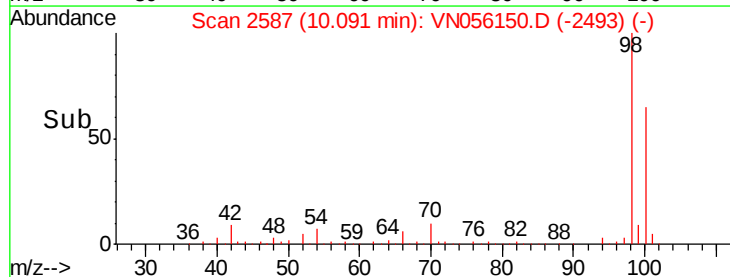
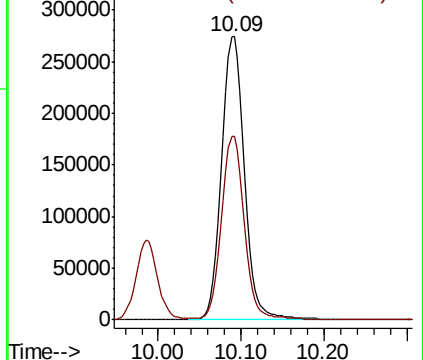


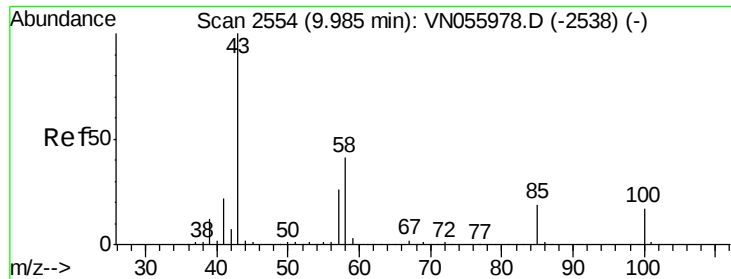
#50
Toluene-d8
Concen: 53.531 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 98 Resp: 524745
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 276.838 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

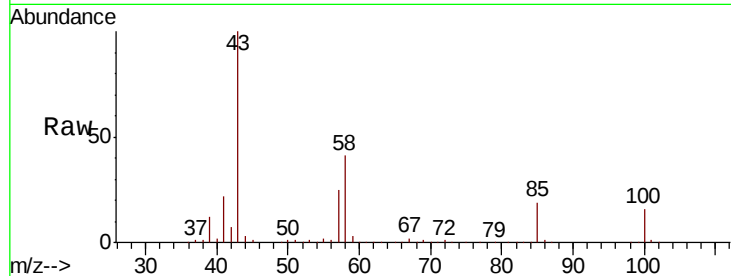
SP19-MMW-3414MS

Tot Ion: 43 Resp: 891169

Ion Ratio Lower Upper

43 100

58 40.3 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

500000

400000

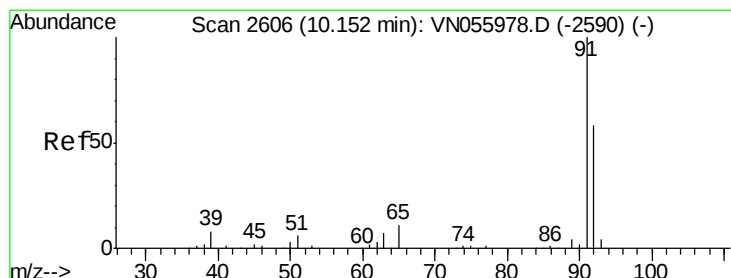
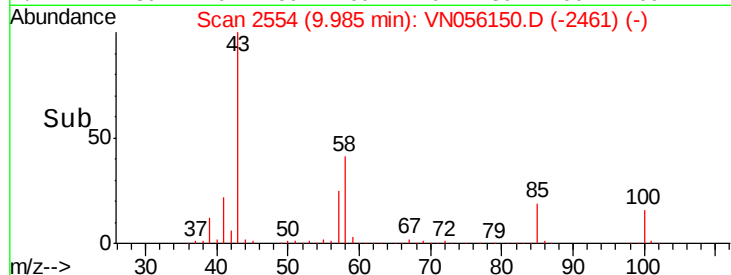
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.254 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056150.D

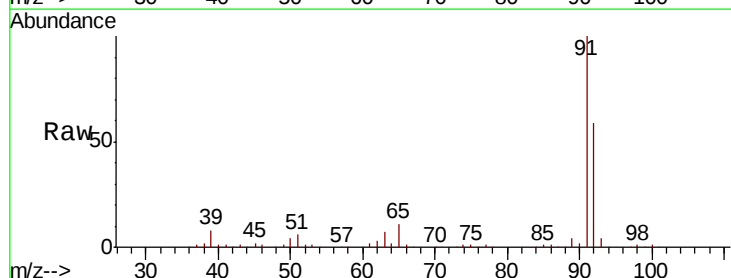
Acq: 8 Jun 2019 13:42

Tgt Ion: 92 Resp: 352589

Ion Ratio Lower Upper

92 100

91 173.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.15

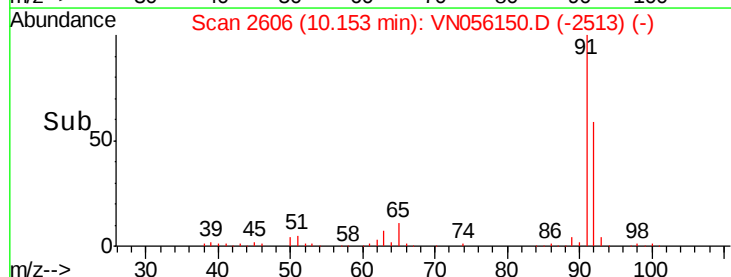
300000

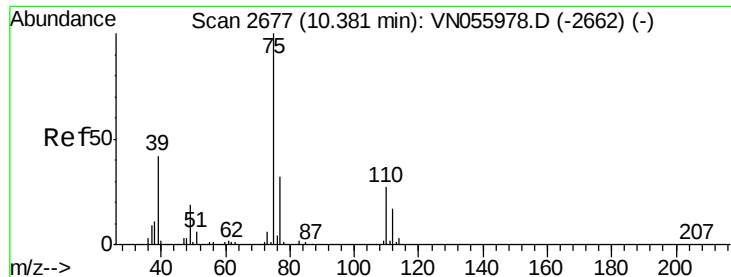
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 40.608 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

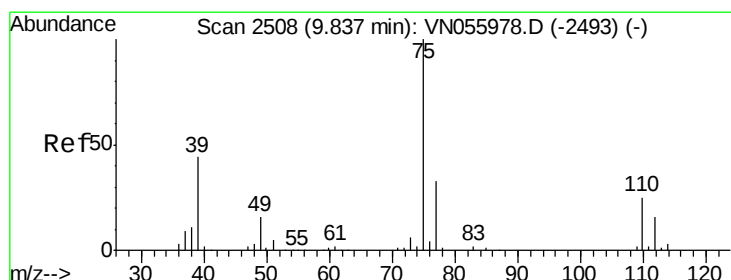
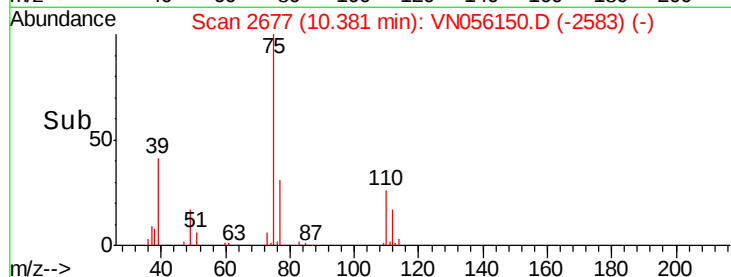
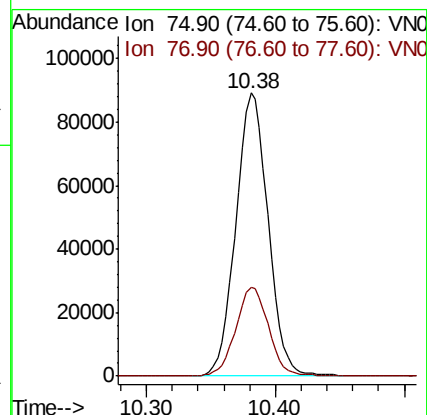
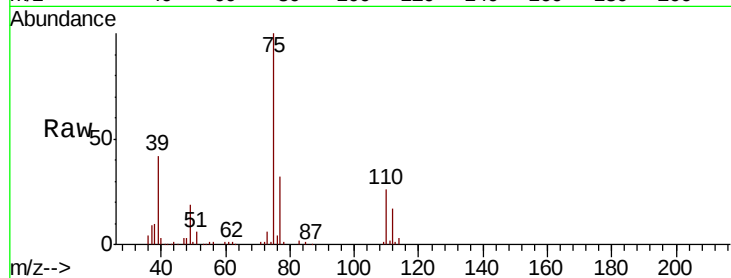
SP19-MMW-3414MS

Tot Ion: 75 Resp: 154900

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 46.299 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

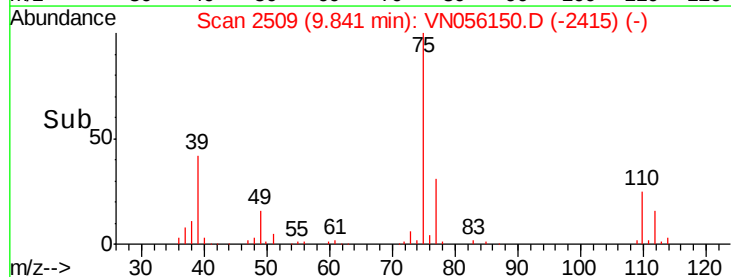
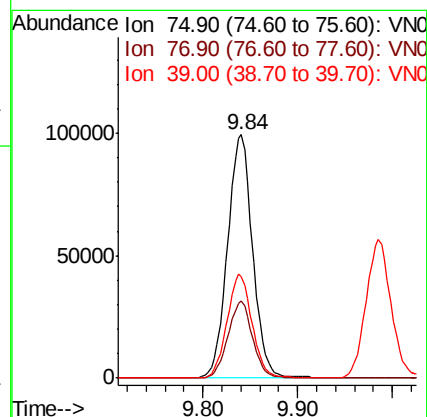
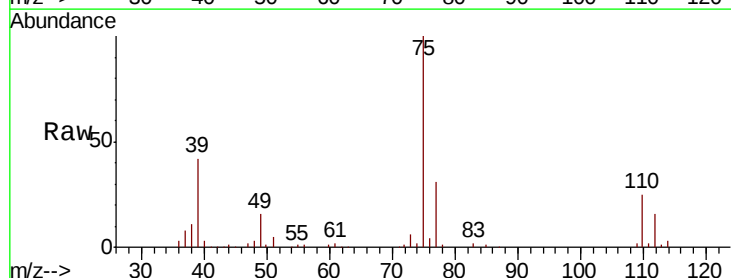
Tgt Ion: 75 Resp: 183200

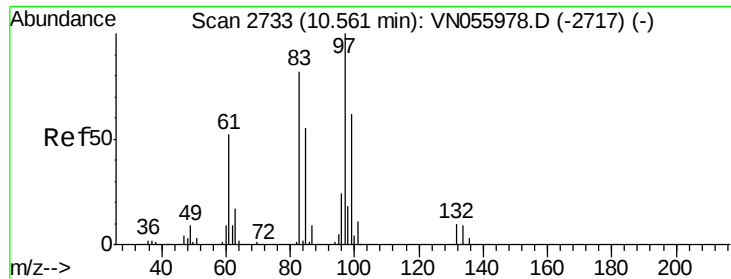
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 41.8 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 53.634 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion: 97 Resp: 143355

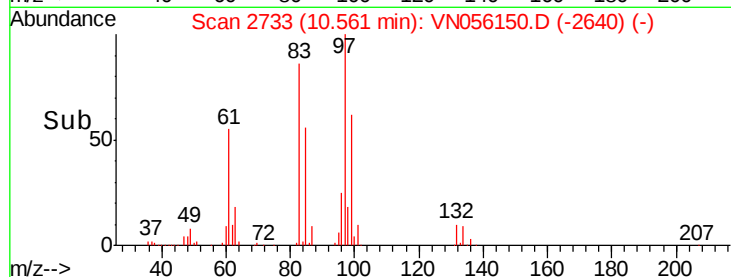
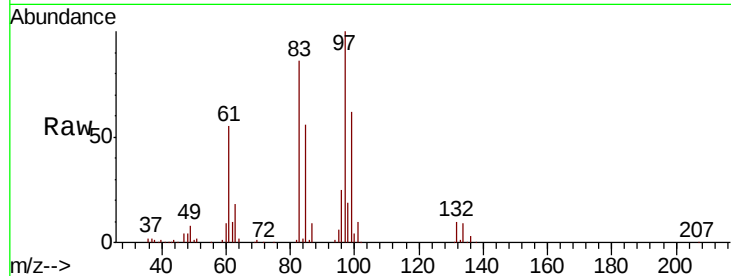
Ion Ratio Lower Upper

97 100

83 85.6 67.0 100.6

85 55.7 44.0 66.0

99 62.2 50.6 75.8

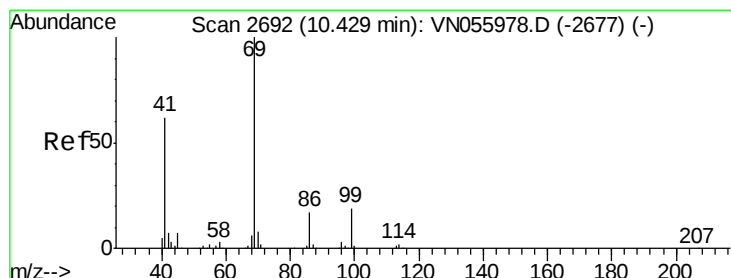
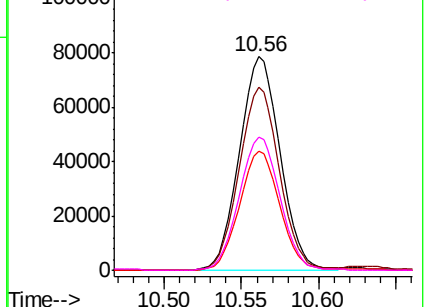


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.587 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

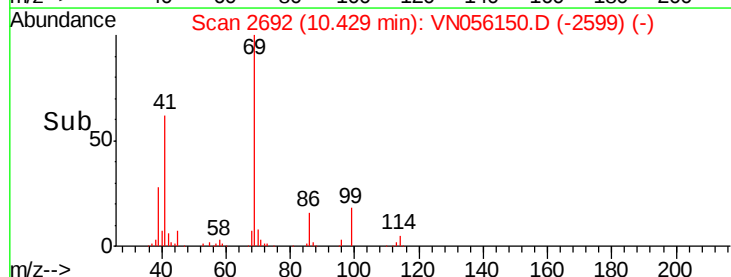
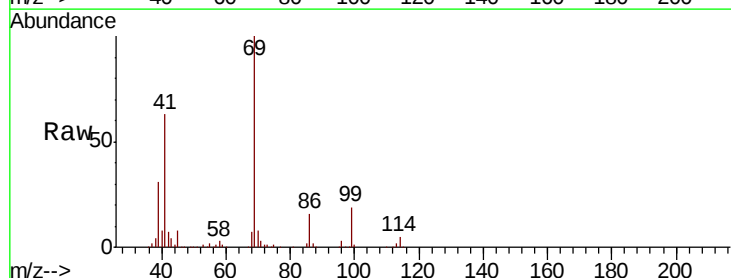
Tgt Ion: 69 Resp: 212854

Ion Ratio Lower Upper

69 100

41 61.4 49.7 74.5

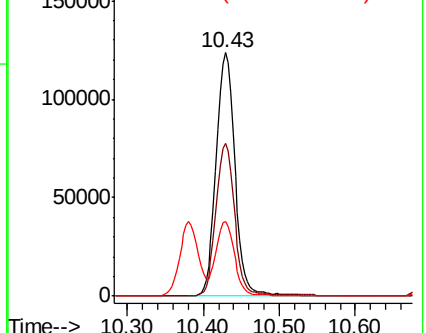
39 29.5 24.7 37.1

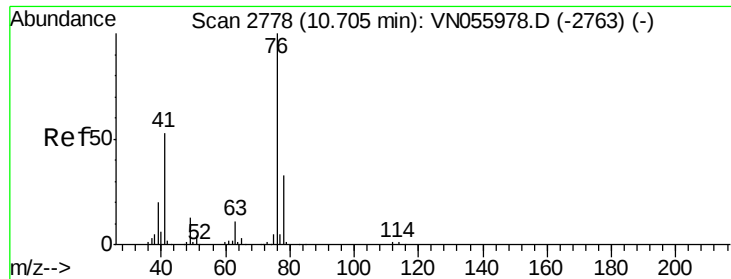


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

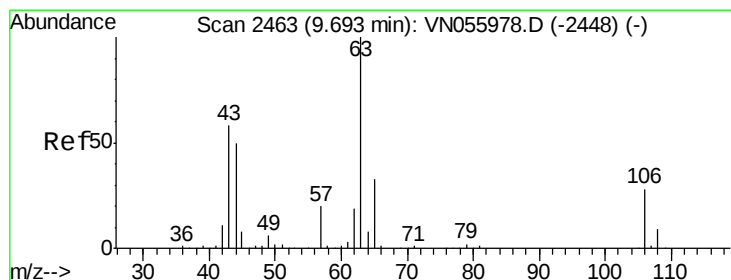
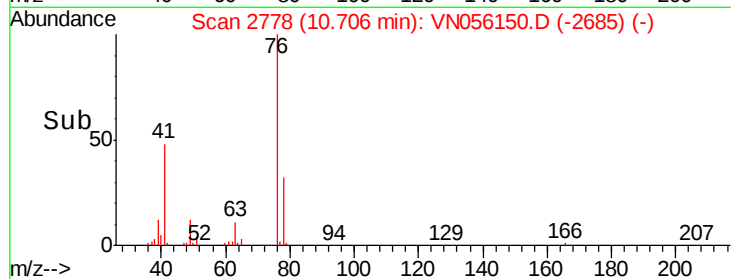
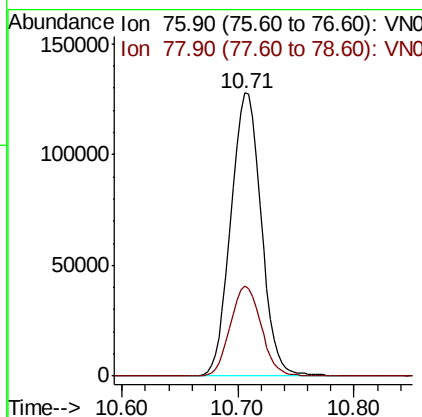
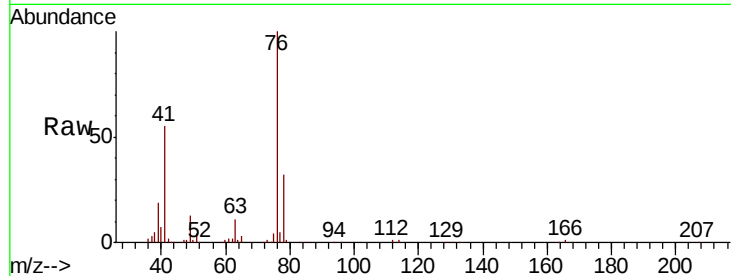




#57
 1,3-Dichloropropane
 Concen: 53.279 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

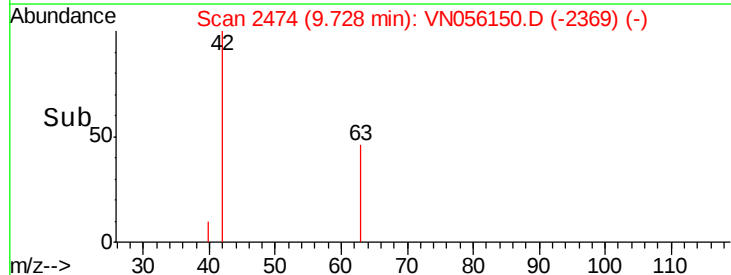
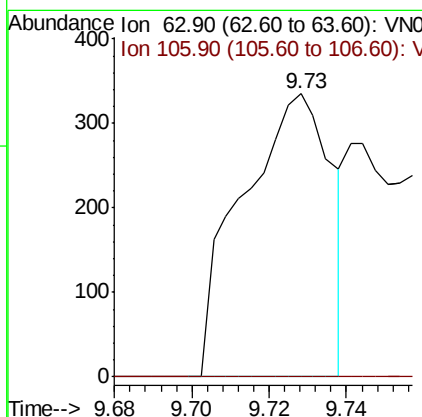
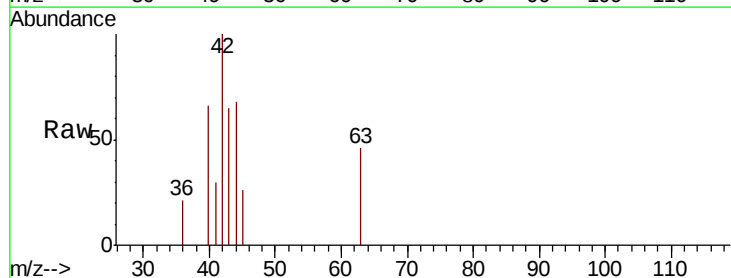
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

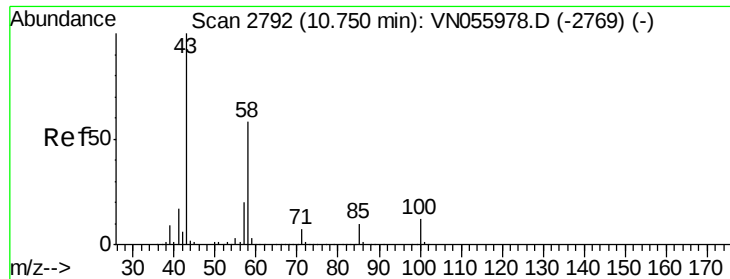
Tot Ion: 76 Resp: 231500
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.201 ug/l
 RT: 9.73 min Scan# 2474
 Delta R.T. 0.04 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 63 Resp: 536
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#

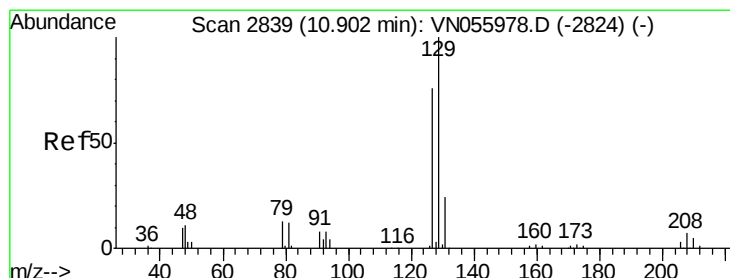
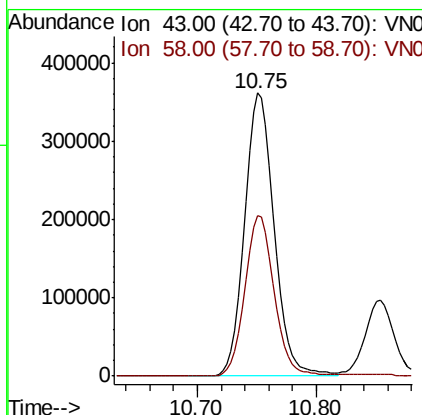
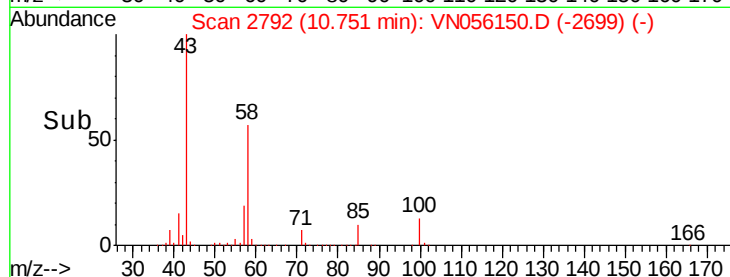
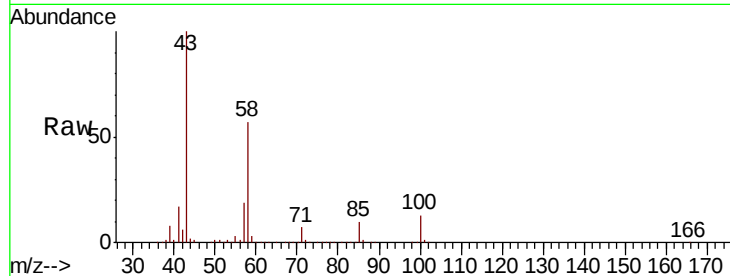




#59
2-Hexanone
Concen: 266.115 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

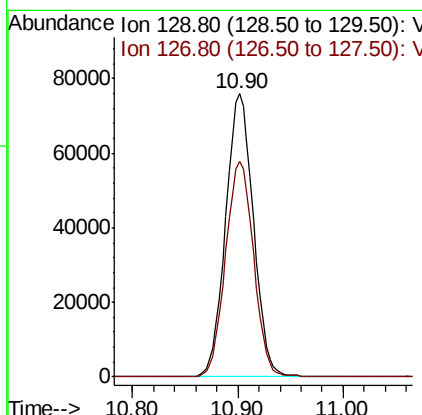
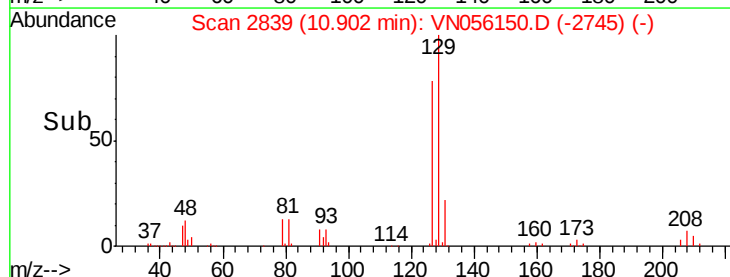
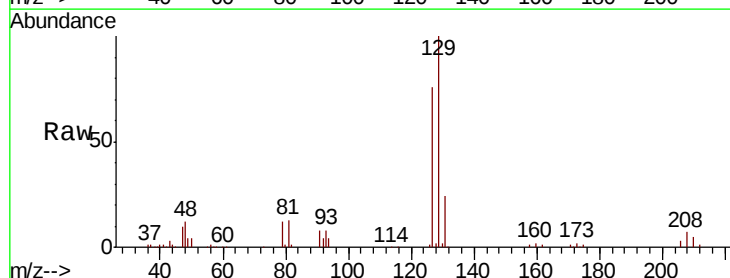
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 43 Resp: 620881
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7



#60
Dibromochloromethane
Concen: 47.074 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 129 Resp: 138323
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 53.894 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

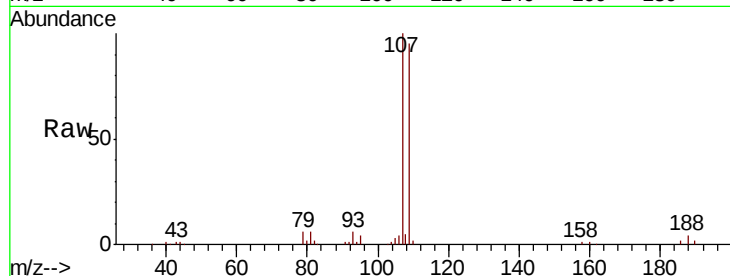
SP19-MMW-3414MS

Tot Ion: 107 Resp: 147261

Ion Ratio Lower Upper

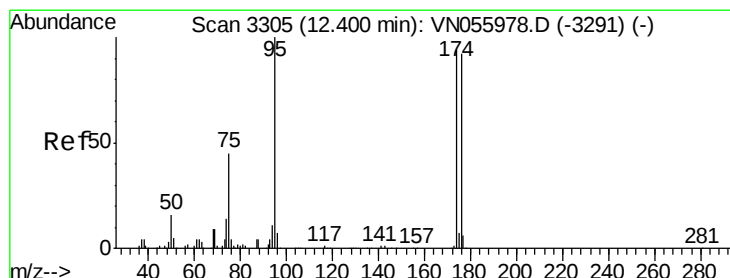
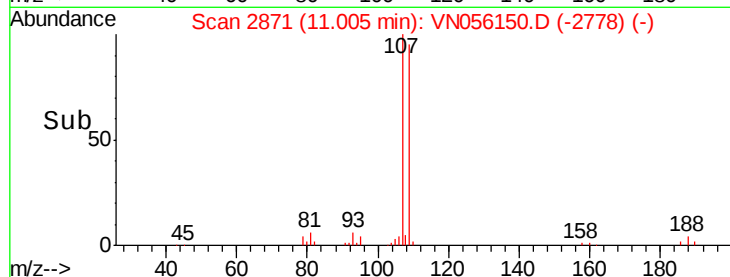
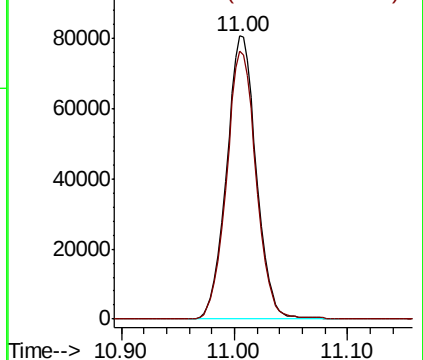
107 100

109 94.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.236 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

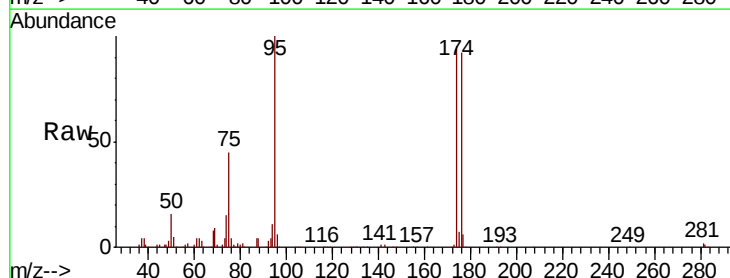
Tgt Ion: 95 Resp: 180805

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

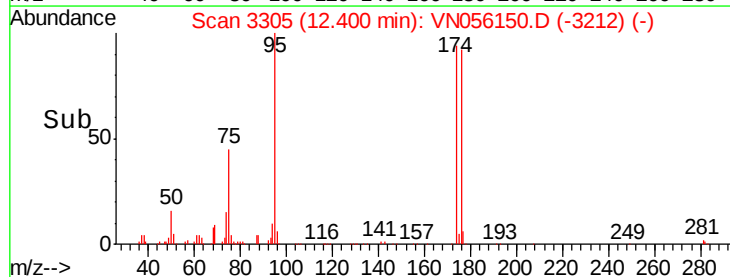
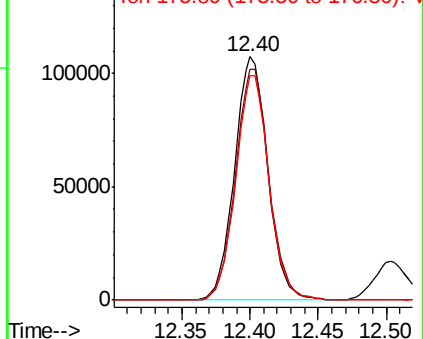
176 92.9 0.0 185.2

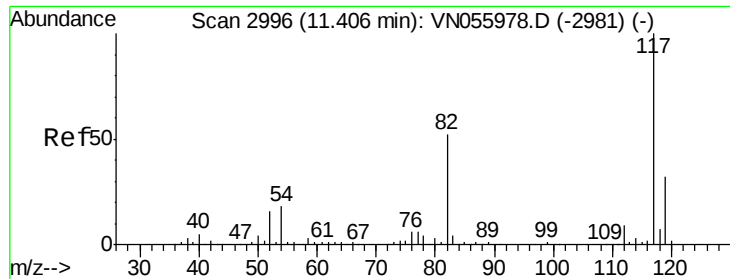


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

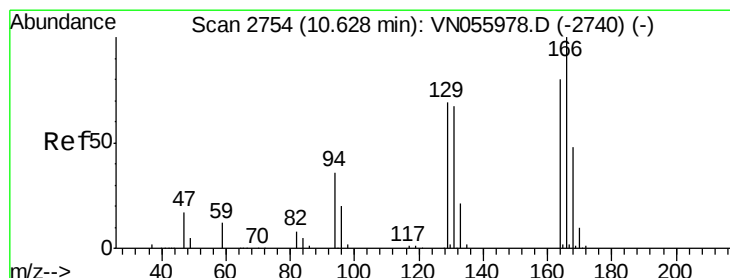
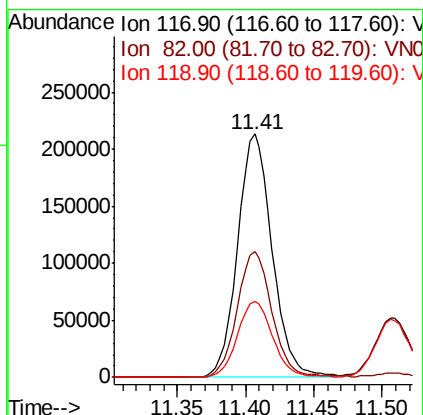
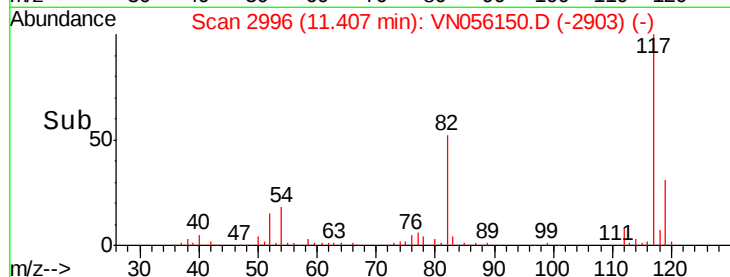
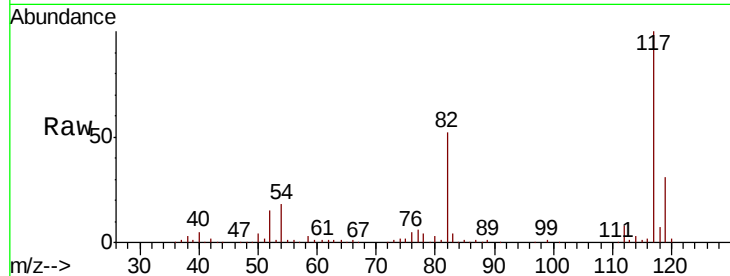




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

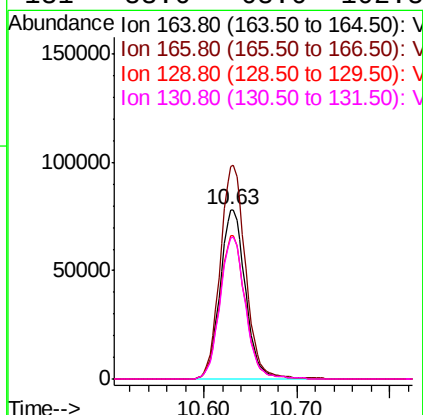
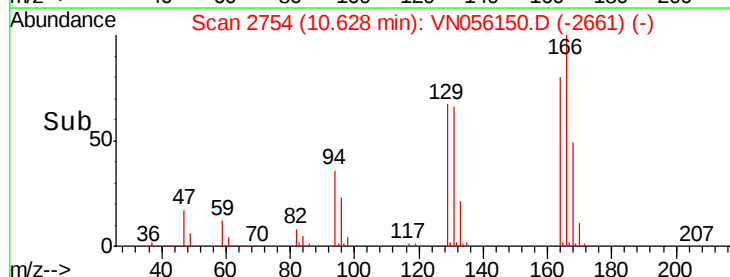
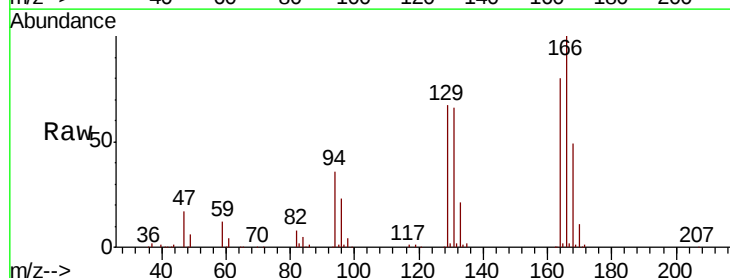
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

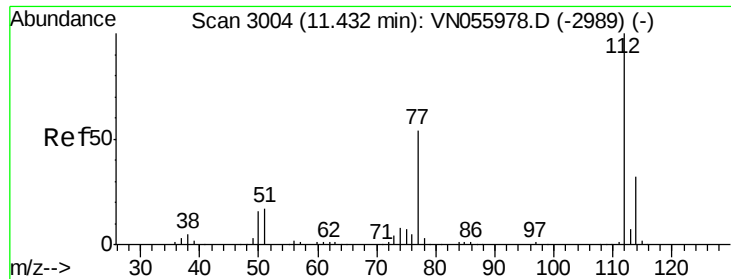
Tot Ion:117 Resp: 375588
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 31.2 25.4 38.0



#64
Tetrachloroethene
Concen: 45.519 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:164 Resp: 147990
Ion Ratio Lower Upper
164 100
166 125.8 103.0 154.6
129 84.7 70.6 105.8
131 83.6 68.6 102.8

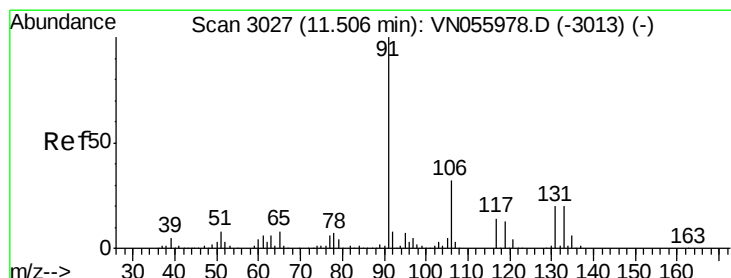
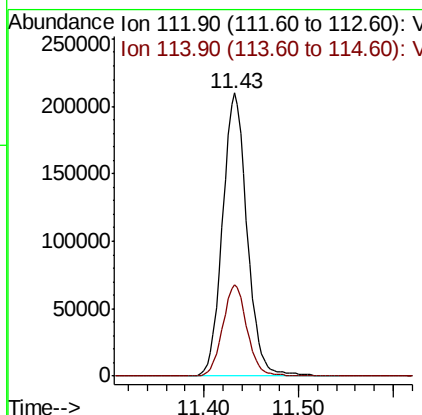
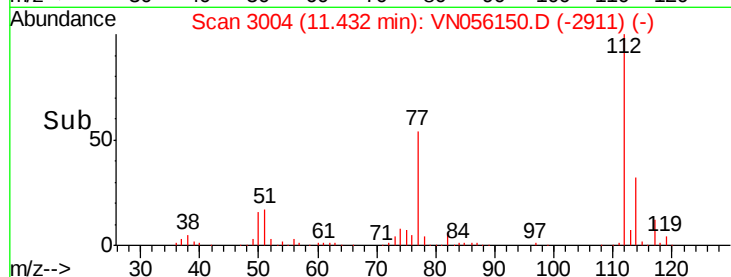
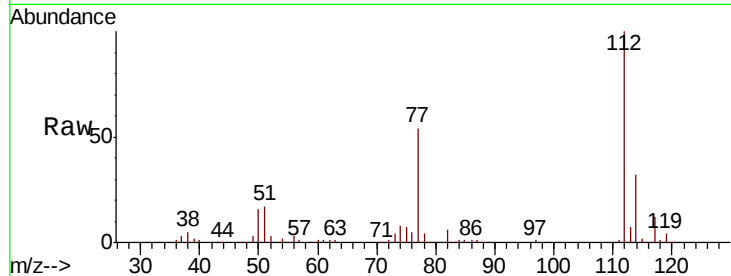




#65
Chlorobenzene
Concen: 50.588 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

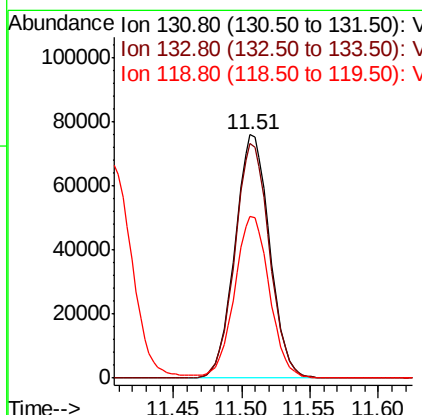
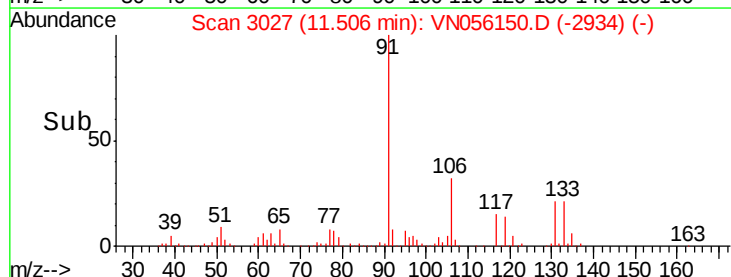
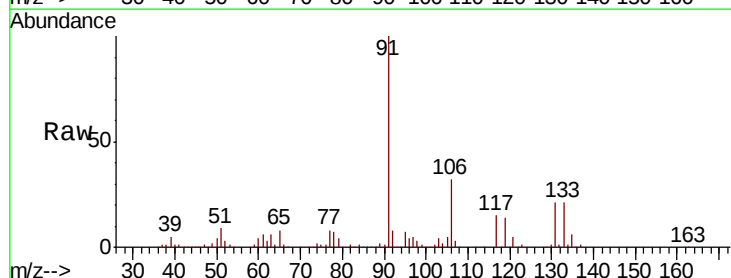
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

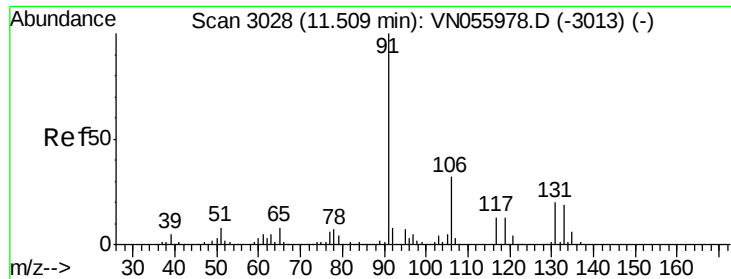
Tot Ion:112 Resp: 378145
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.970 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:131 Resp: 134135
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.0
119 67.0 33.1 99.5

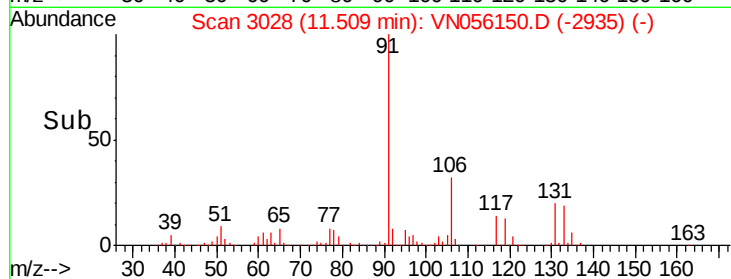
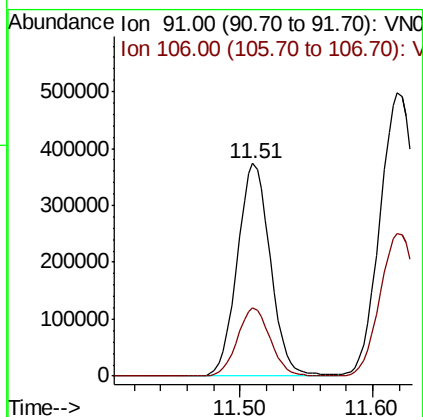
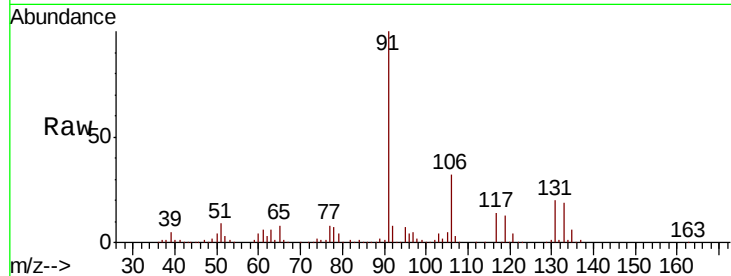




#67
Ethyl Benzene
Concen: 49.815 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

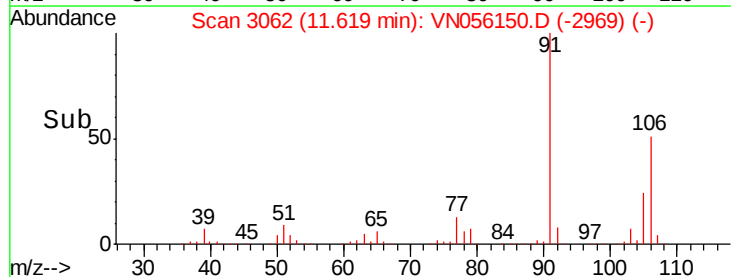
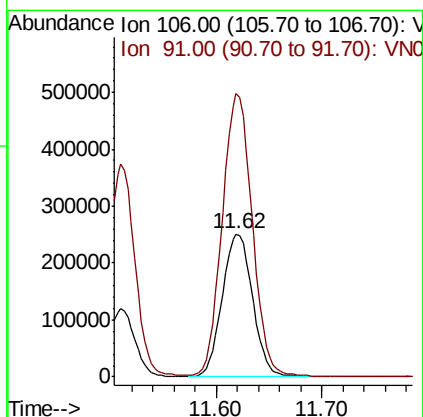
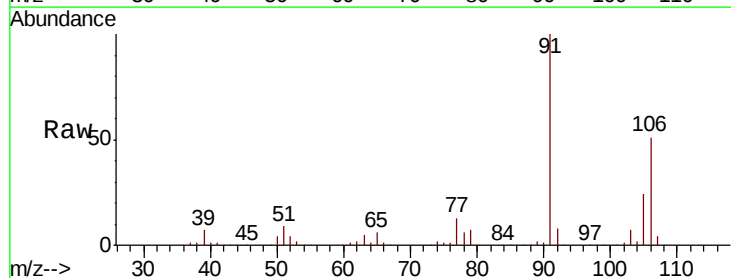
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

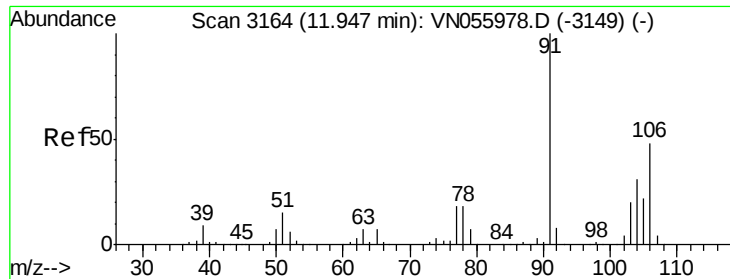
Tot Ion: 91 Resp: 647479
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 101.067 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 106 Resp: 501824
Ion Ratio Lower Upper
106 100
91 195.9 159.3 238.9

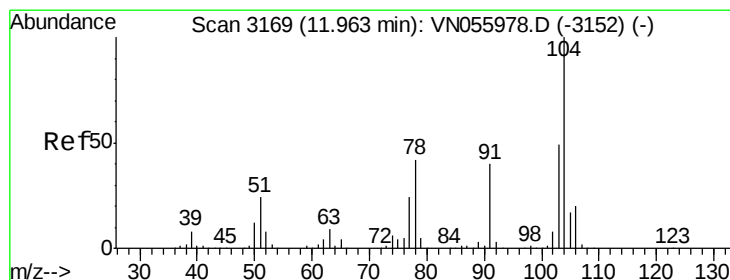
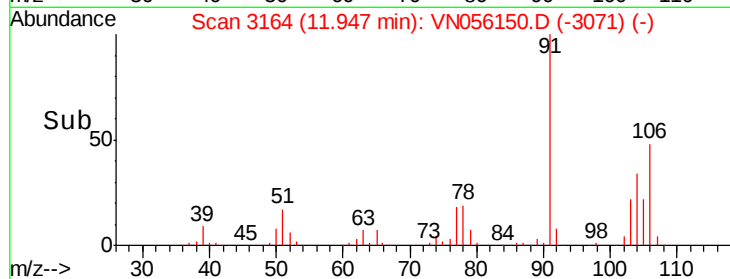
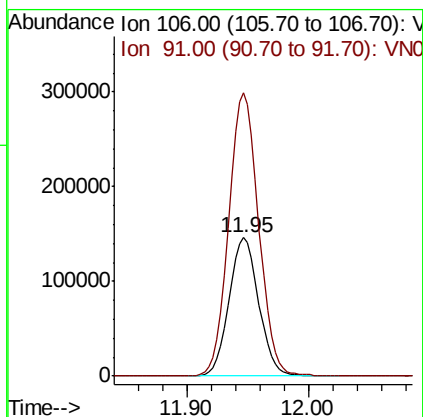
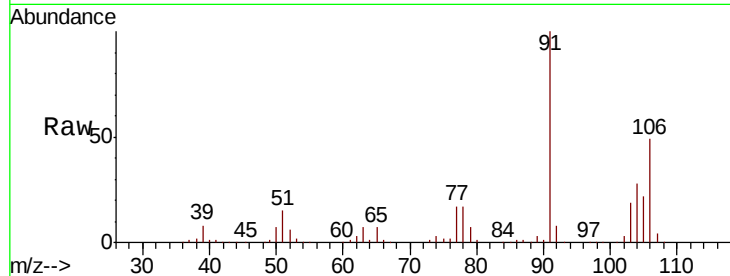




#69
o-Xylene
Concen: 50.879 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

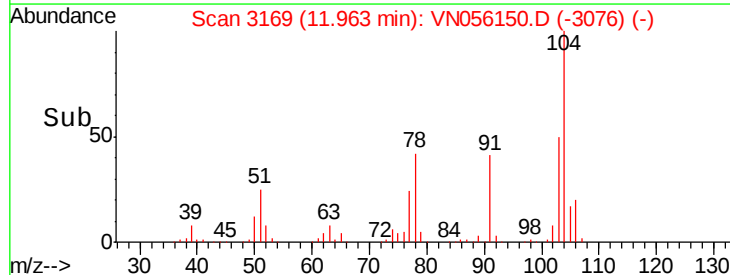
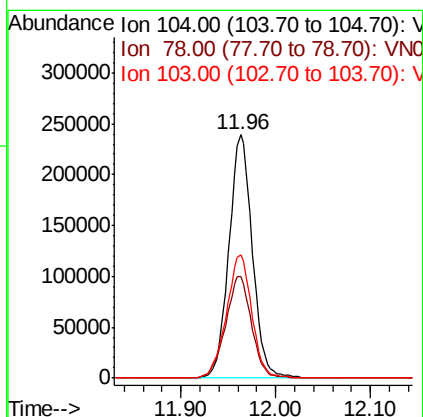
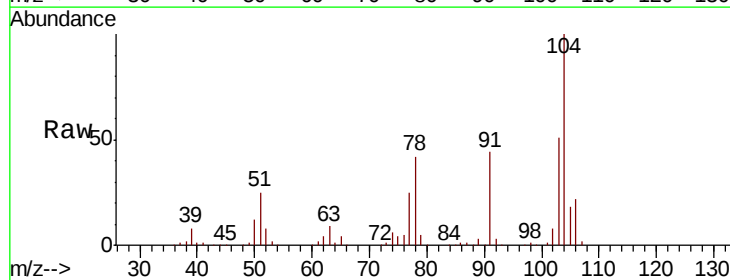
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion:106 Resp: 248499
Ion Ratio Lower Upper
106 100
91 205.8 104.7 314.1



#70
Styrene
Concen: 53.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:104 Resp: 411510
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 55.0 44.2 66.2

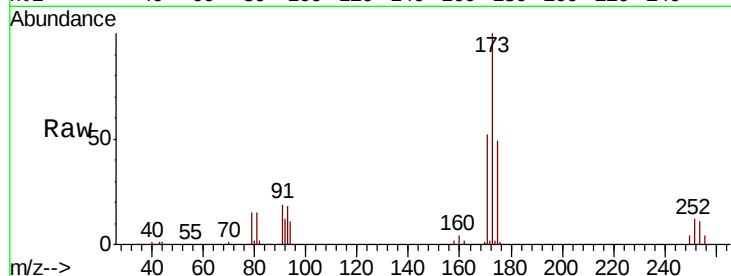




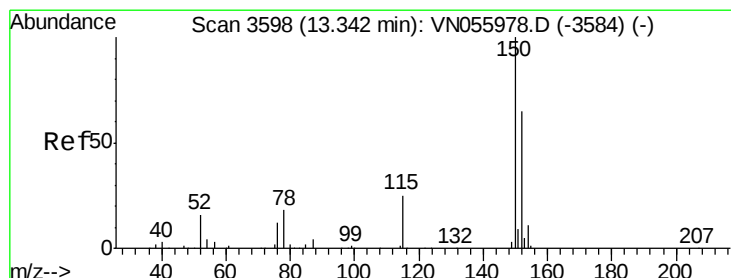
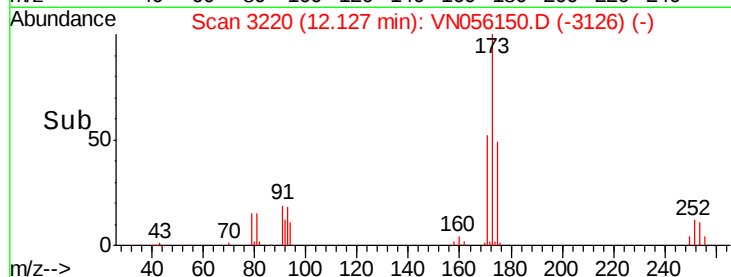
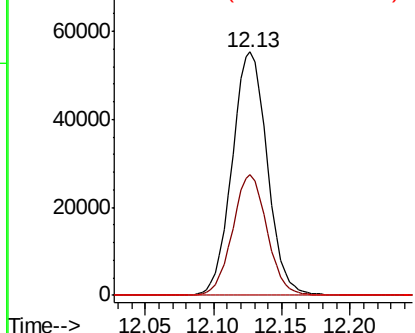
#71
Bromoform
Concen: 45.842 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion:173 Resp: 98812
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.0 0.0 0.0

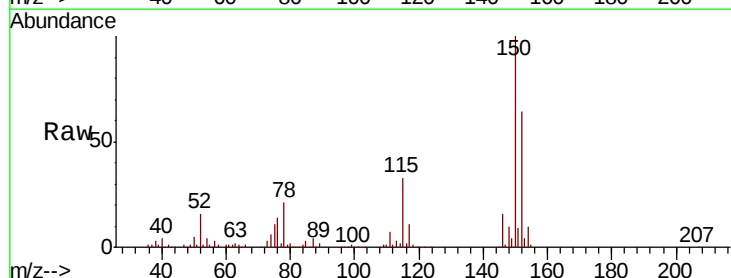


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

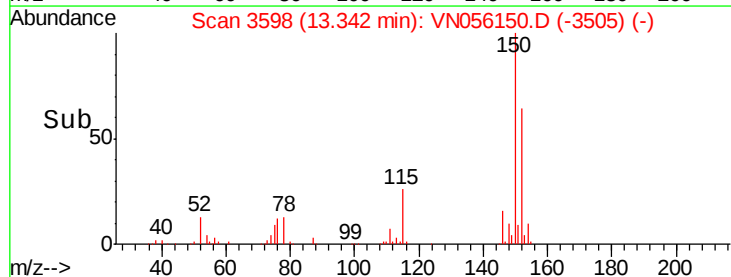
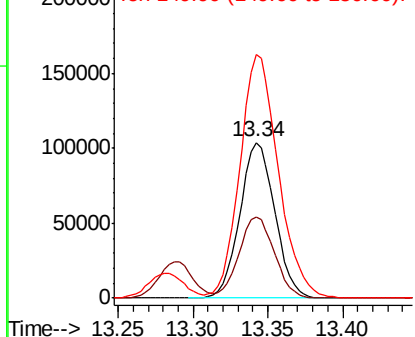


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:152 Resp: 168772
Ion Ratio Lower Upper
152 100
115 53.0 27.0 81.0
150 172.2 0.0 343.2



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: 53.858 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

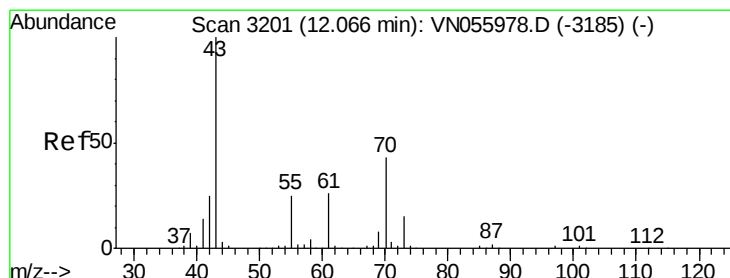
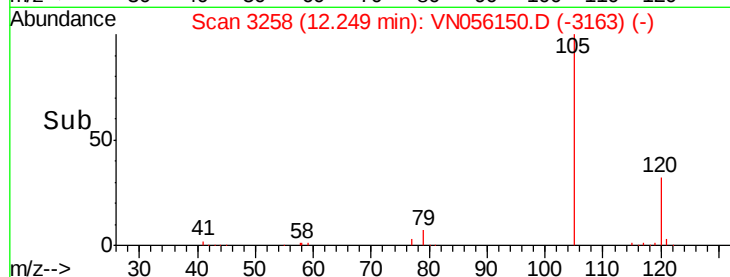
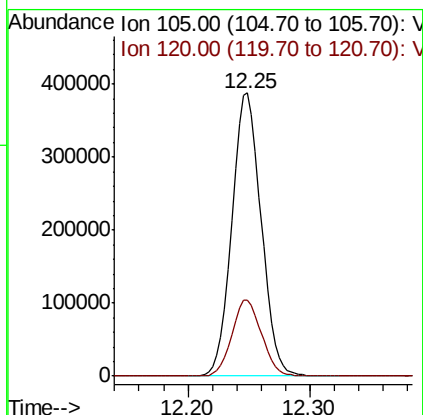
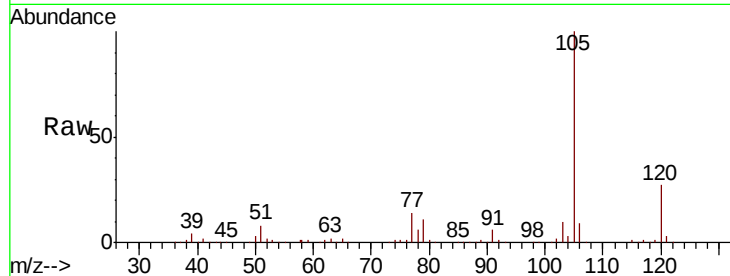
SP19-MMW-3414MS

Tot Ion:105 Resp: 645674

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 34.100 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion: 43 Resp: 153413

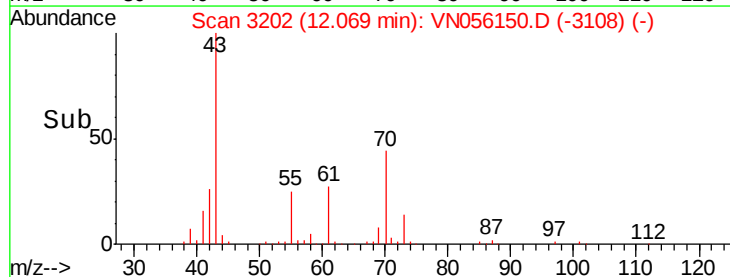
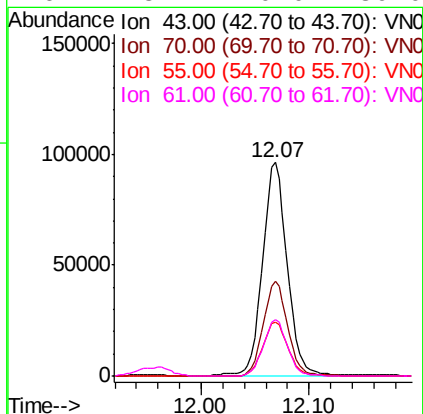
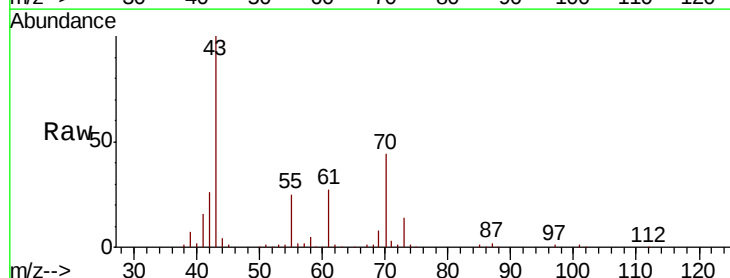
Ion Ratio Lower Upper

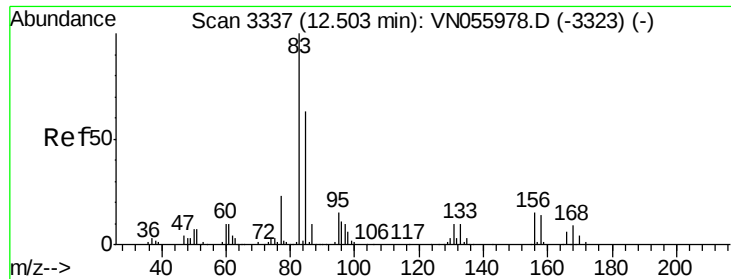
43 100

70 43.7 34.0 51.0

55 25.6 18.6 28.0

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.207 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

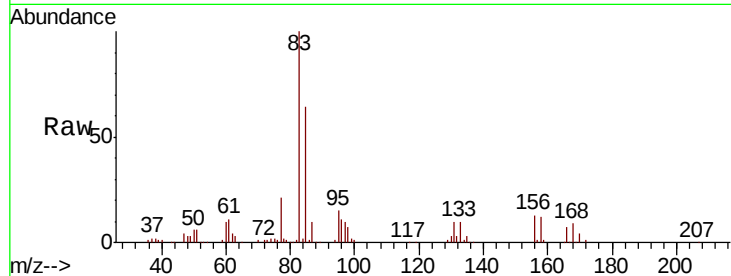
Tot Ion: 83 Resp: 200625

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

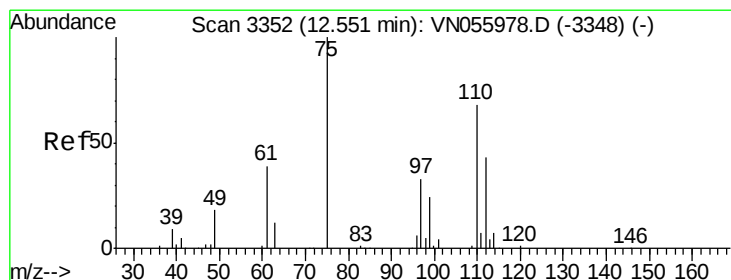
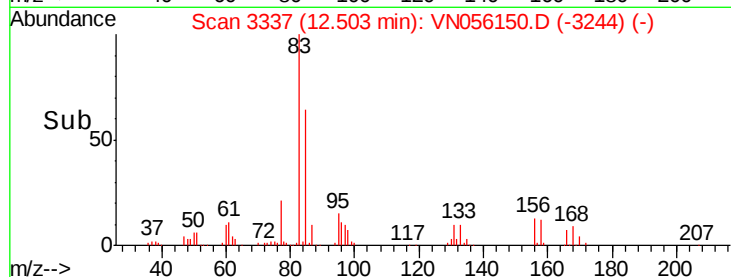
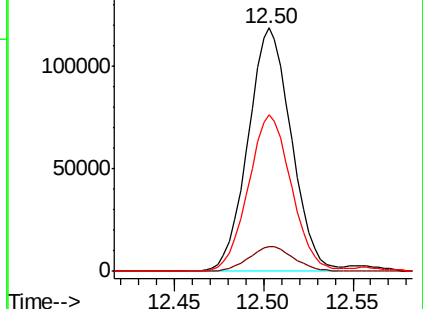
85 64.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 69.426 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056150.D

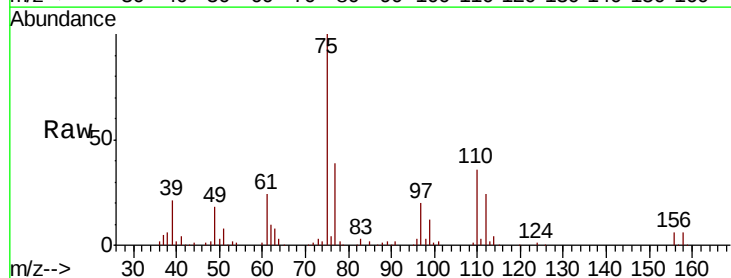
Acq: 8 Jun 2019 13:42

Tgt Ion: 75 Resp: 215601

Ion Ratio Lower Upper

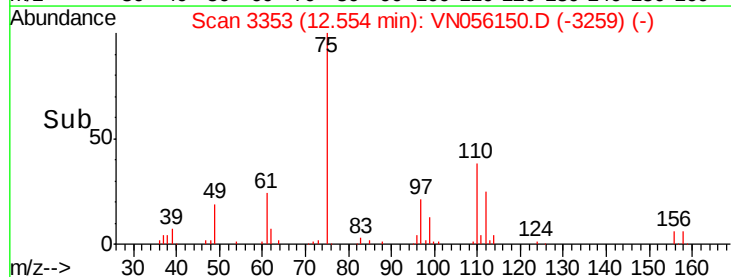
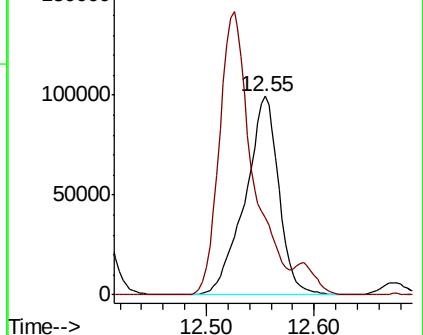
75 100

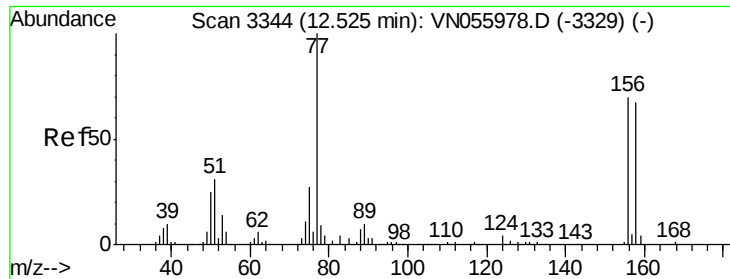
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)





#77

Bromobenzene

Concen: 48.821 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

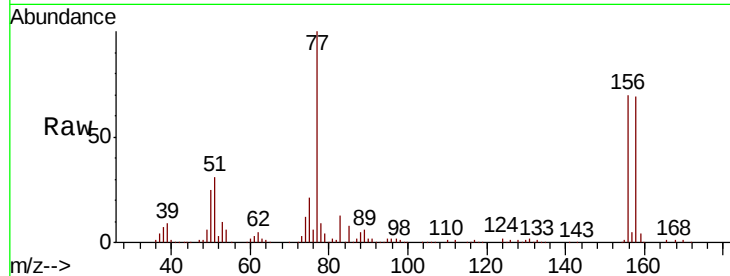
Tot Ion:156 Resp: 176408

Ion Ratio Lower Upper

156 100

77 172.1 90.8 272.5

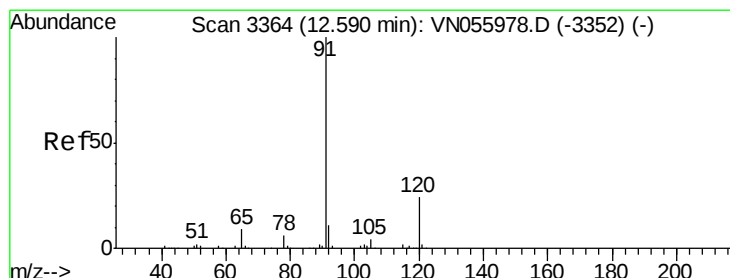
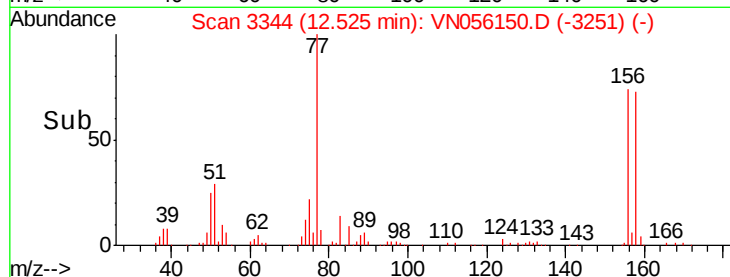
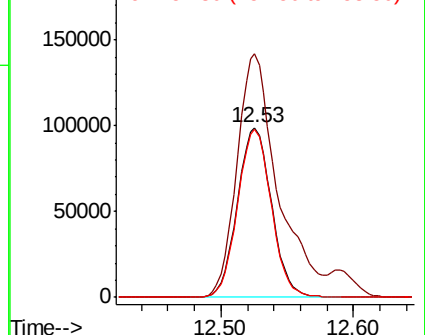
158 98.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.843 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056150.D

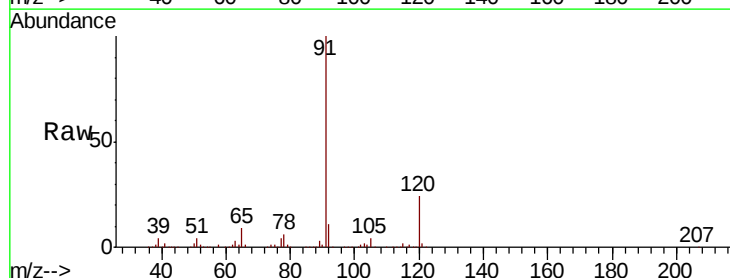
Acq: 8 Jun 2019 13:42

Tgt Ion: 91 Resp: 683096

Ion Ratio Lower Upper

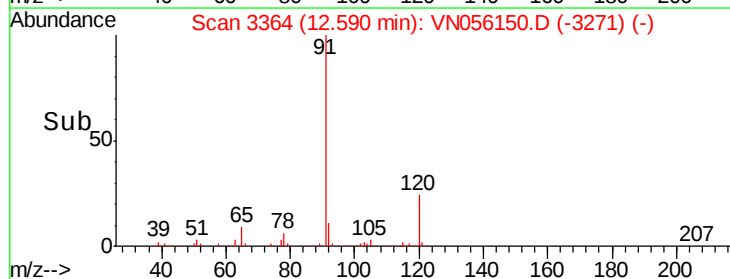
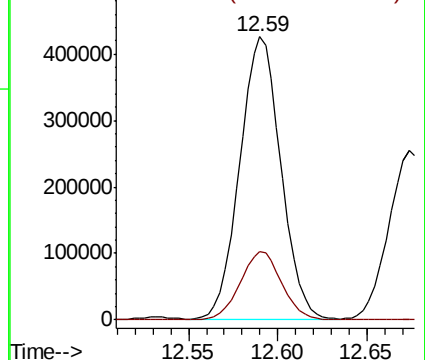
91 100

120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.792 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

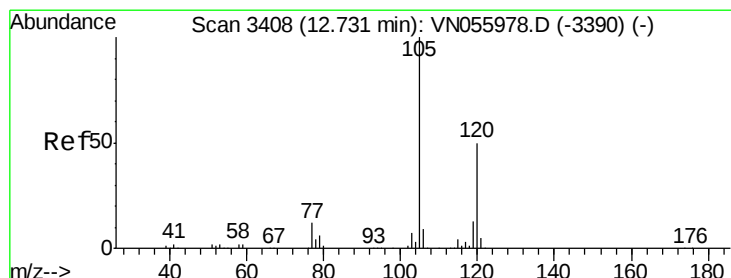
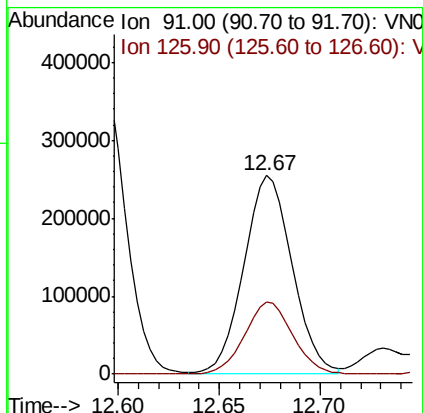
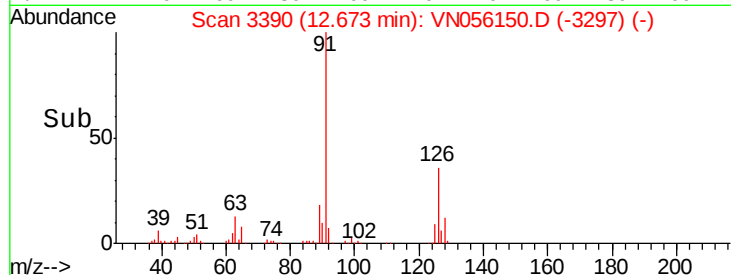
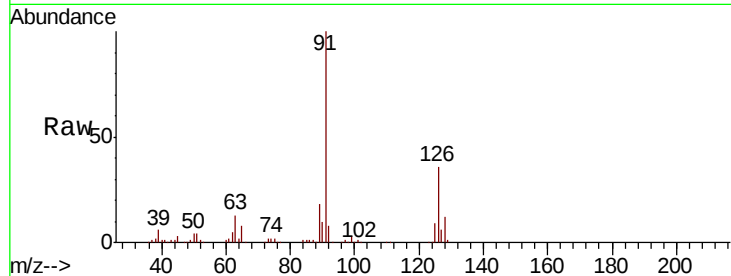
SP19-MMW-3414MS

Tot Ion: 91 Resp: 424613

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 46.276 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056150.D

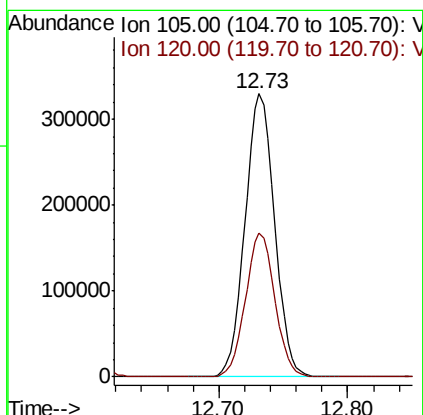
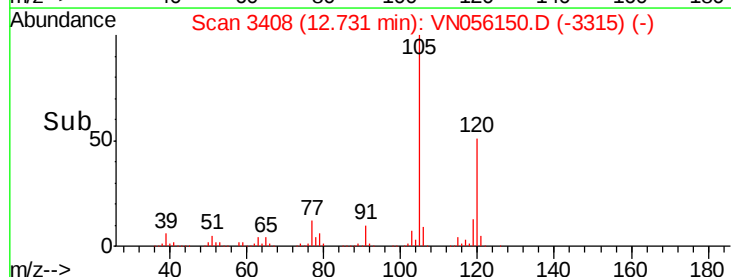
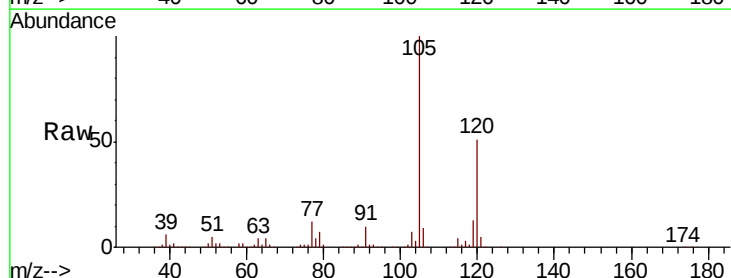
Acq: 8 Jun 2019 13:42

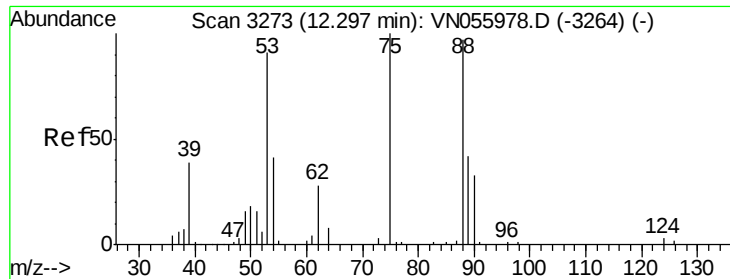
Tgt Ion: 105 Resp: 525115

Ion Ratio Lower Upper

105 100

120 50.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 35.709 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

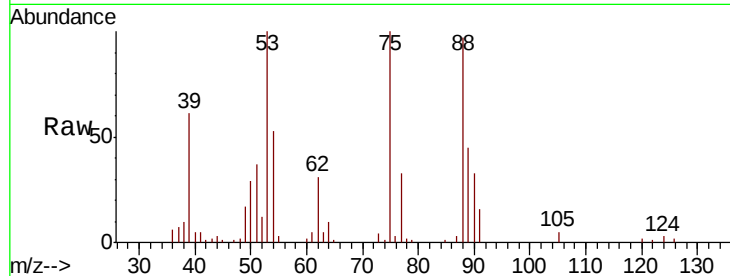
Tot Ion: 75 Resp: 33299

Ion Ratio Lower Upper

75 100

53 102.9 68.1 102.1#

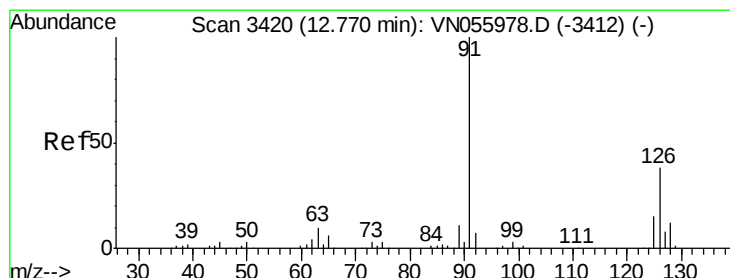
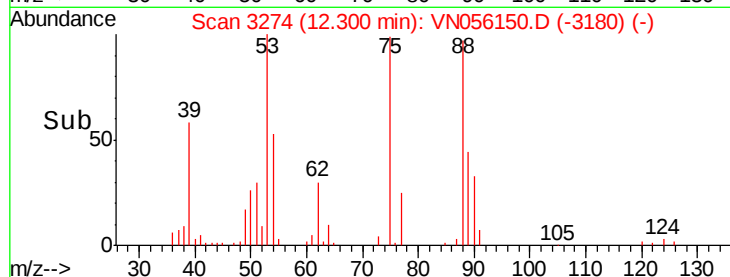
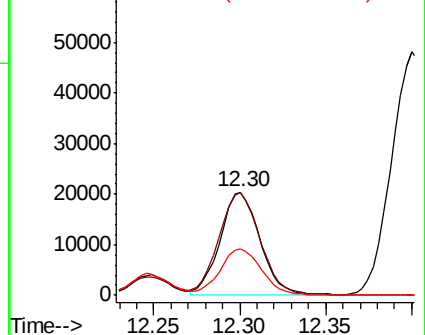
89 46.7 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.570 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056150.D

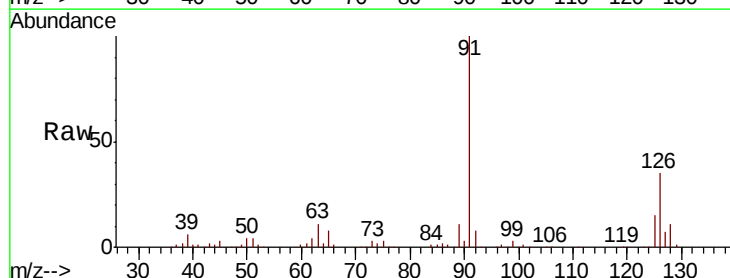
Acq: 8 Jun 2019 13:42

Tgt Ion: 91 Resp: 405718

Ion Ratio Lower Upper

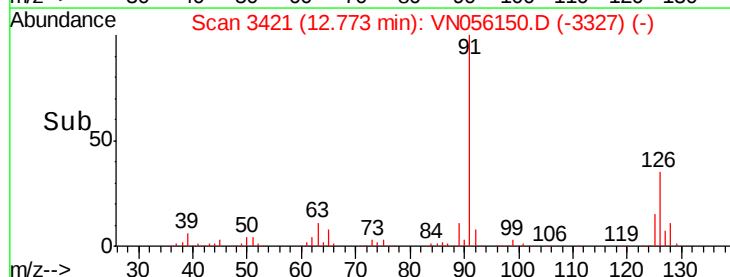
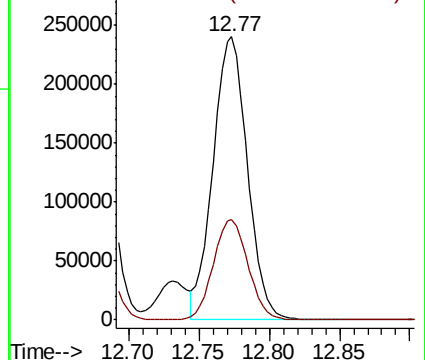
91 100

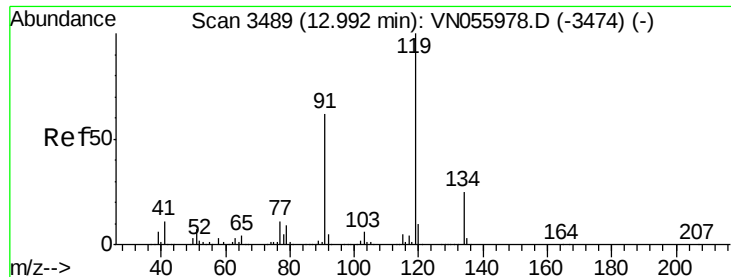
126 35.8 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

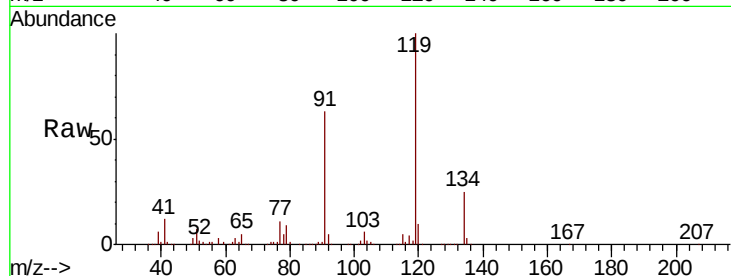




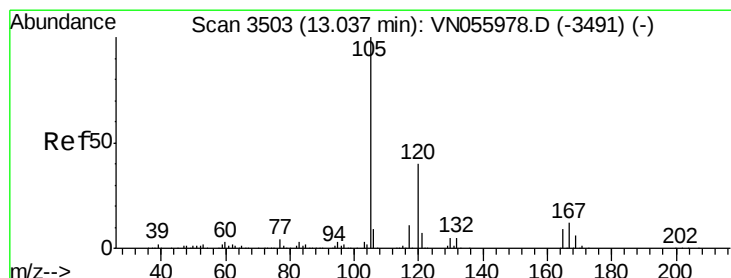
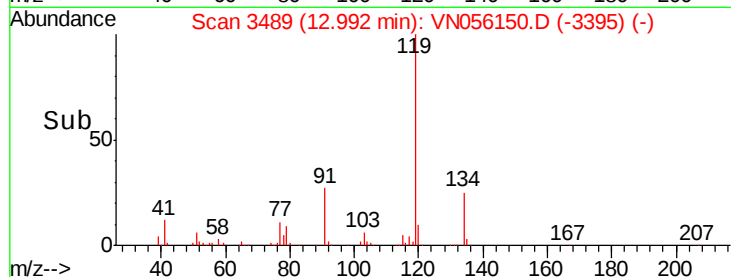
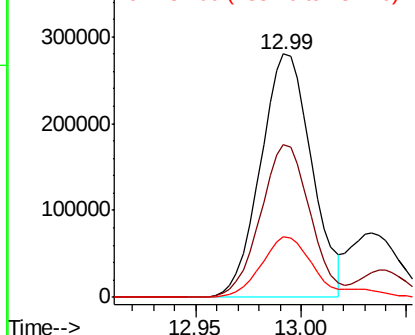
#83
tert-Butylbenzene
Concen: 53.882 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion:119 Resp: 472534
Ion Ratio Lower Upper
119 100
91 61.0 30.9 92.8
134 27.0 13.3 39.8

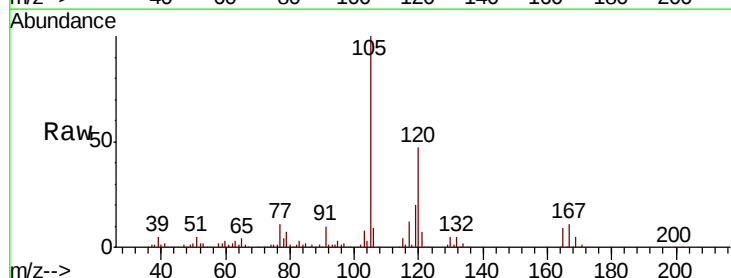


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

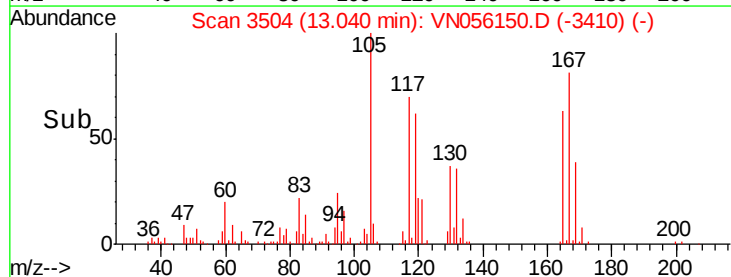
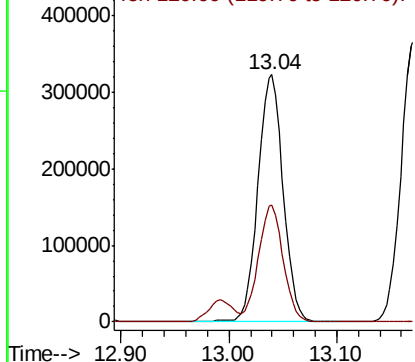


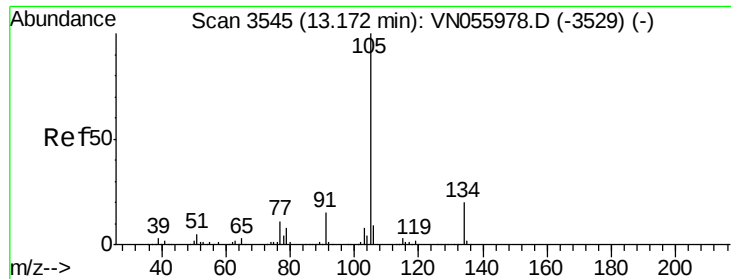
#84
1,2,4-Trimethylbenzene
Concen: 48.452 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:105 Resp: 521392
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 47.204 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

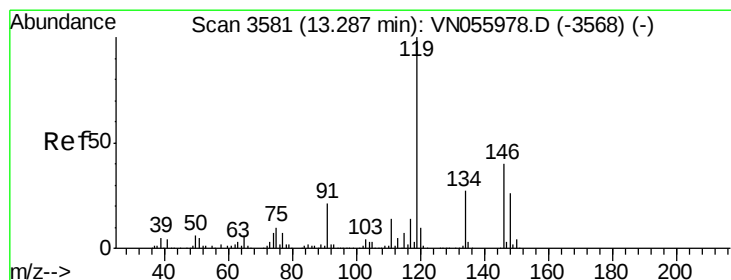
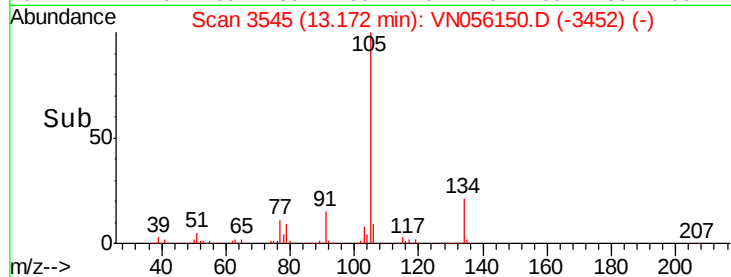
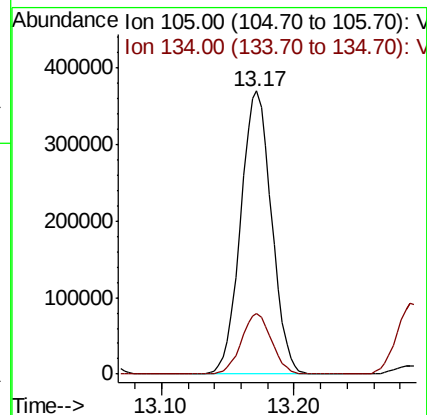
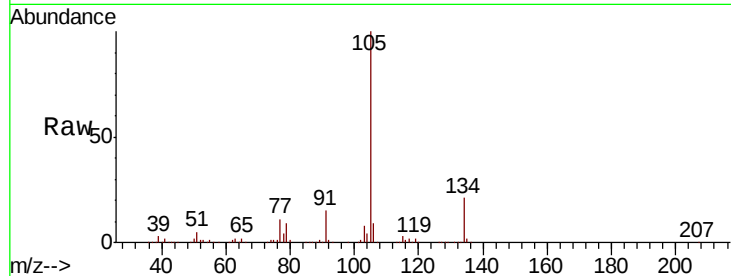
SP19-MMW-3414MS

Tot Ion:105 Resp: 596871

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2



#86

p-Isopropyltoluene

Concen: 47.177 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

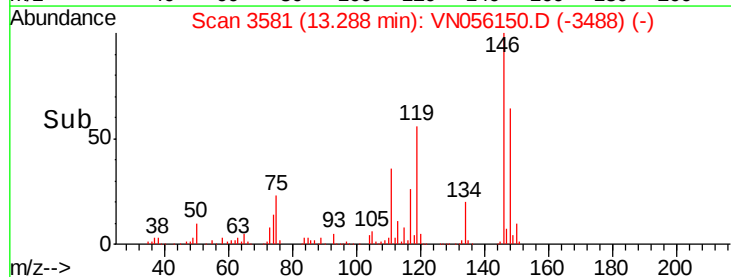
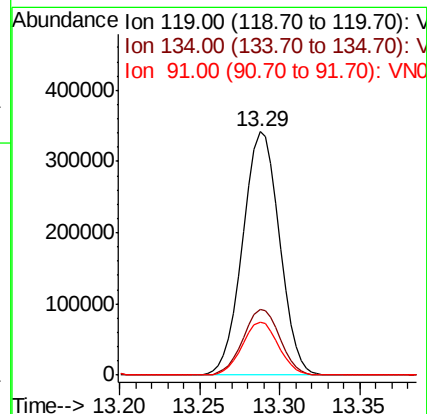
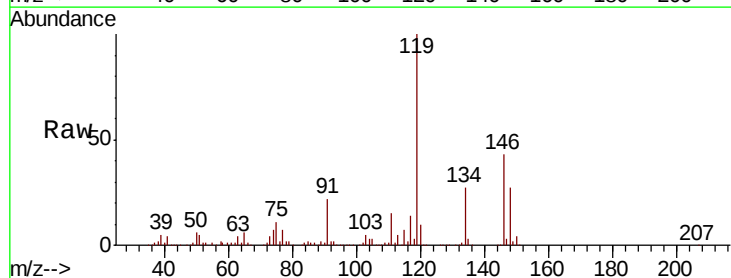
Tgt Ion:119 Resp: 533870

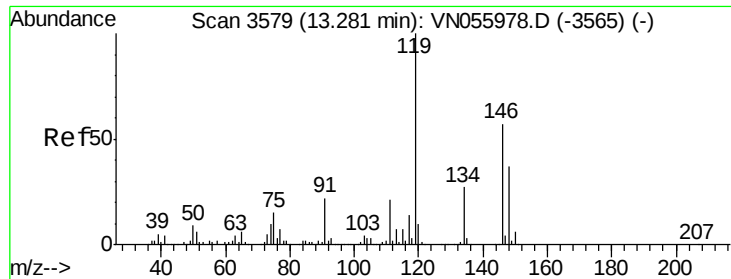
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.6 10.9 32.9

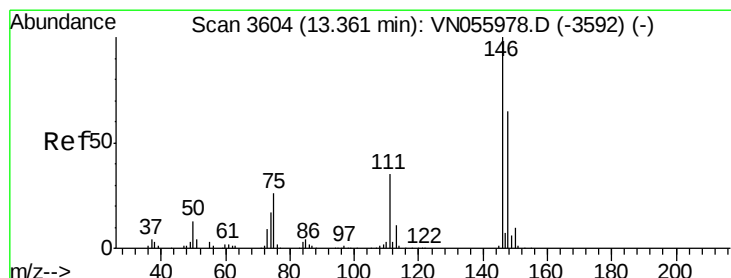
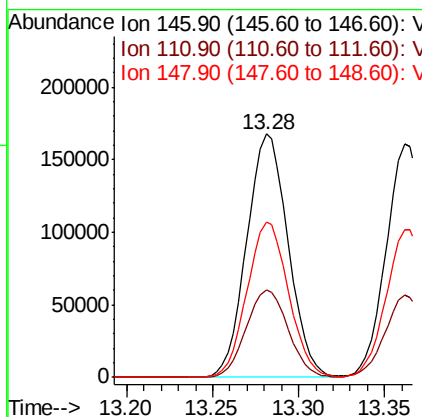
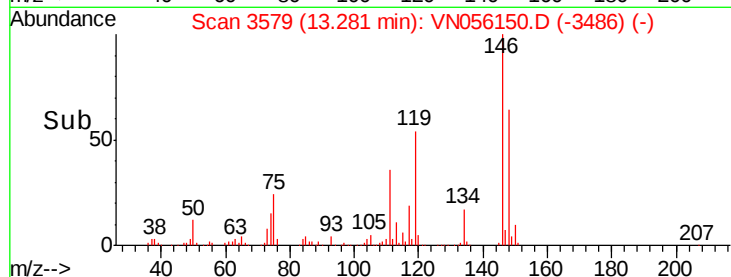
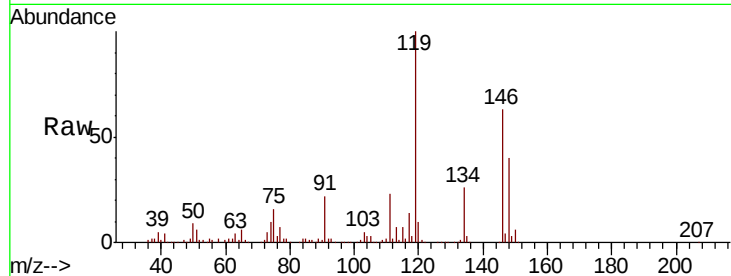




#87
 1,3-Dichlorobenzene
 Concen: 50.078 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

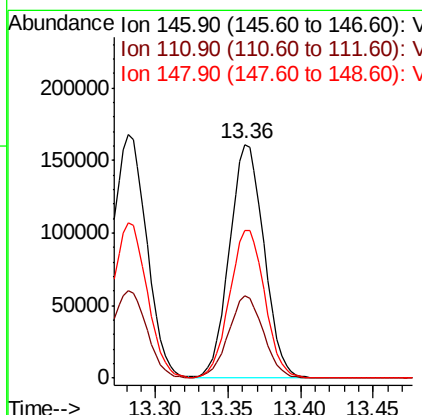
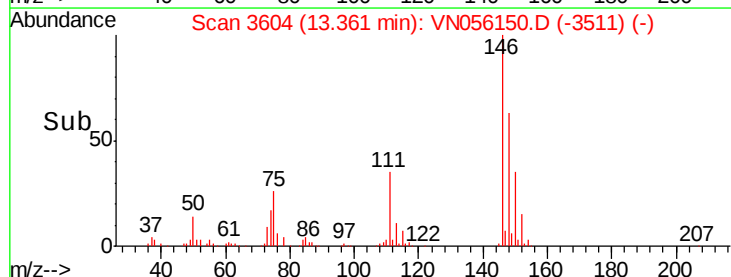
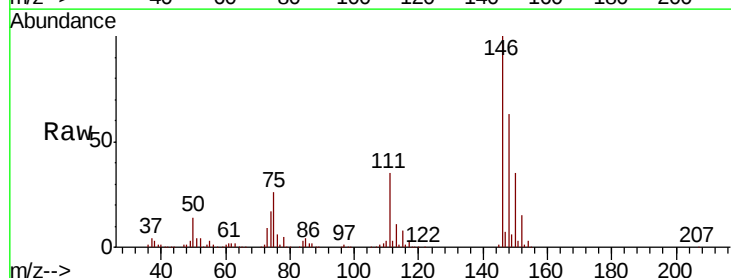
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

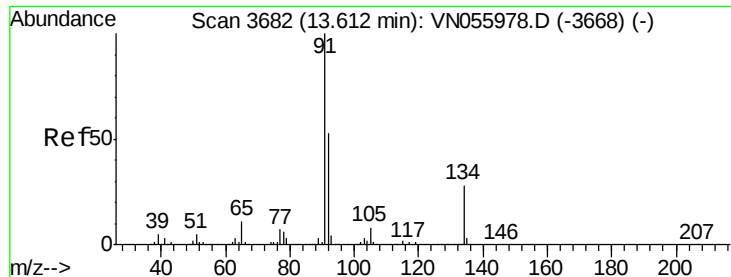
Tot Ion:146 Resp: 280061
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.5 55.5
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.639 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion:146 Resp: 267042
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.1 54.4
 148 64.2 32.1 96.5

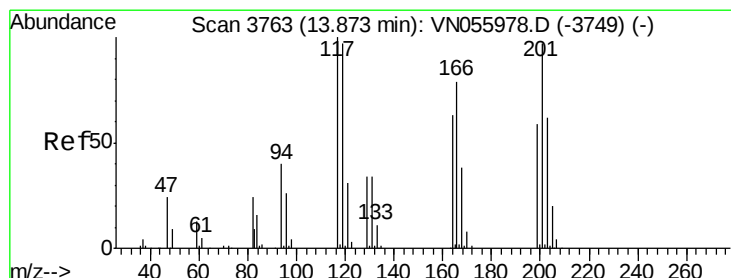
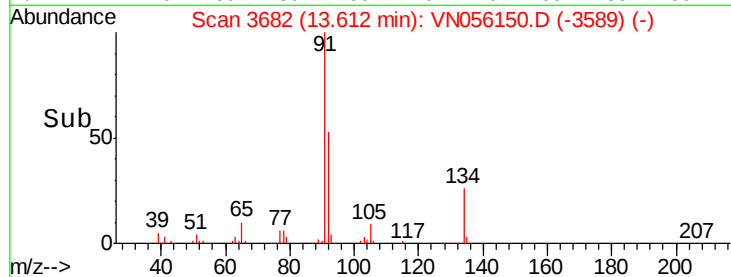
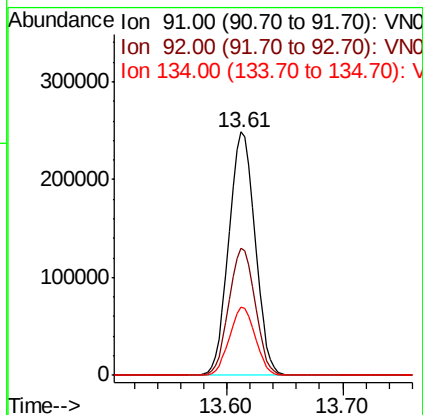
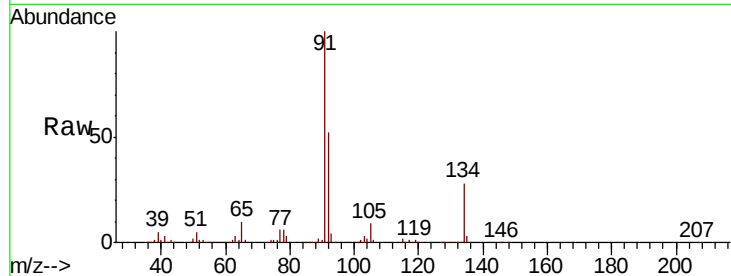




#89
n-Butylbenzene
Concen: 46.295 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

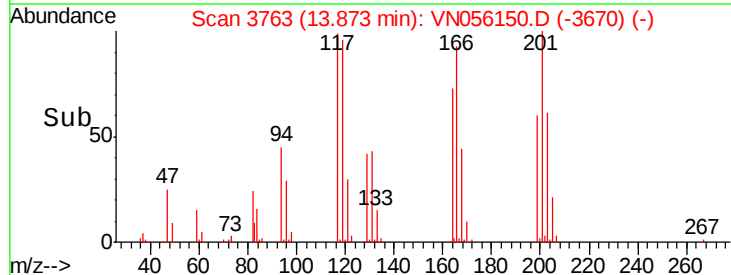
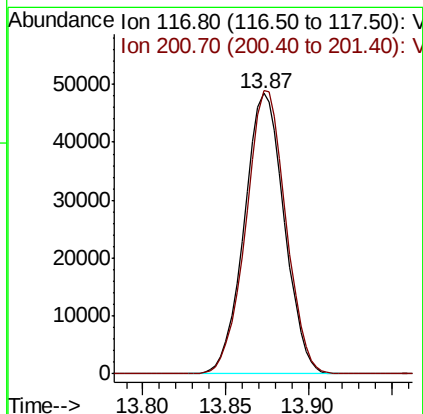
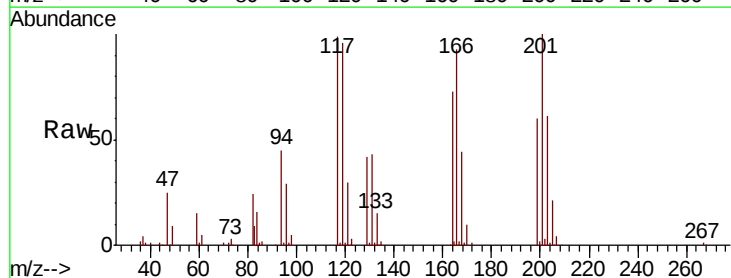
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

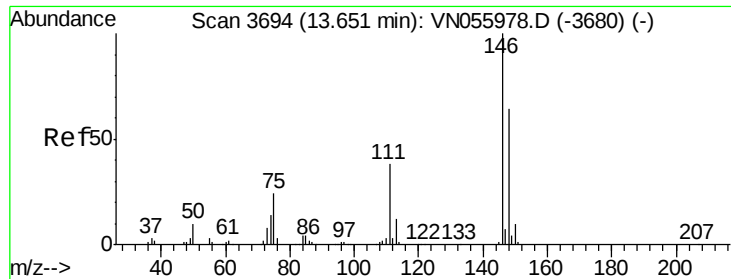
Tot Ion: 91 Resp: 388090
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.0
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 47.571 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 117 Resp: 81185
Ion Ratio Lower Upper
117 100
201 100.5 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 49.438 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

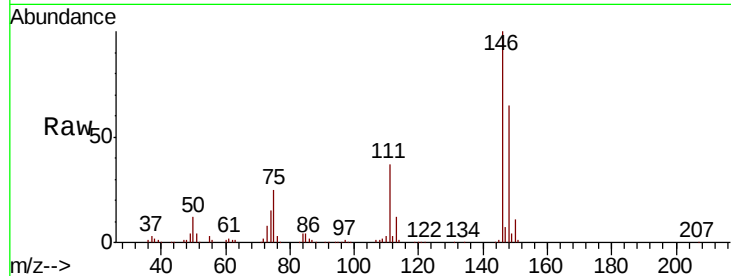
Tot Ion:146 Resp: 279135

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.5

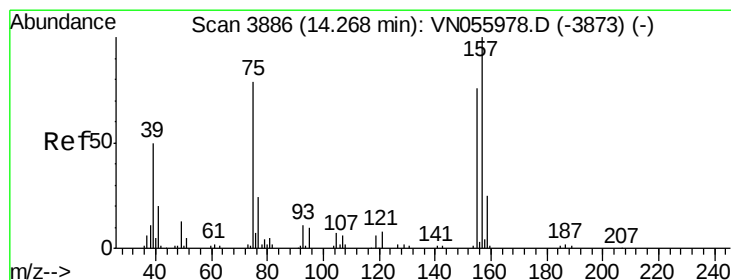
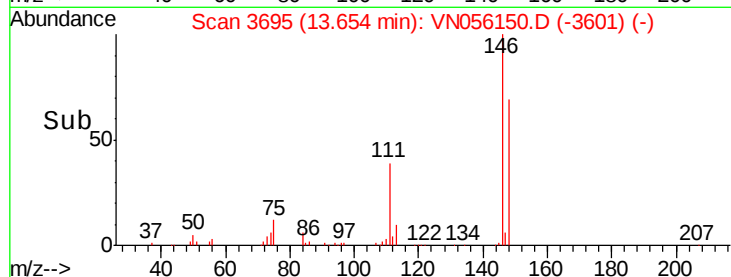
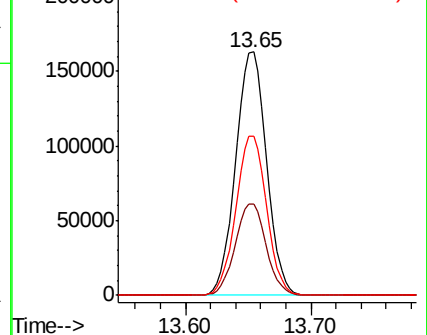
148 64.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.411 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

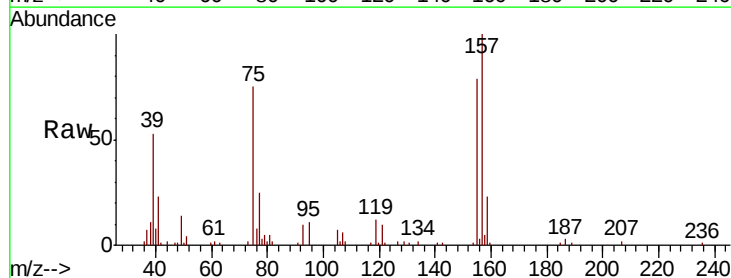
Tgt Ion: 75 Resp: 29370

Ion Ratio Lower Upper

75 100

155 104.4 50.0 150.1

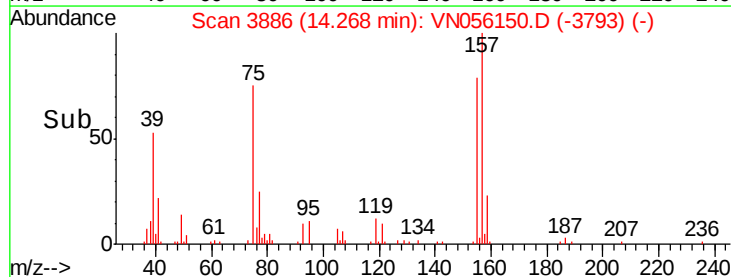
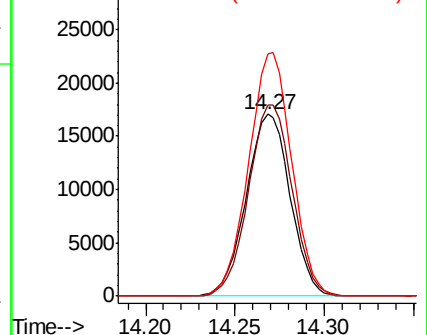
157 131.1 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

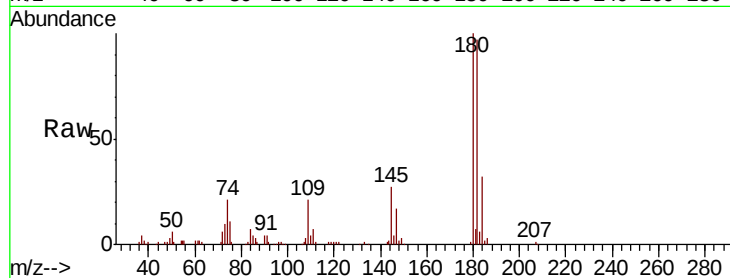




#93
 1,2,4-Trichlorobenzene
 Concen: 41.497 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.3	144.9
145	27.1	14.0	41.9

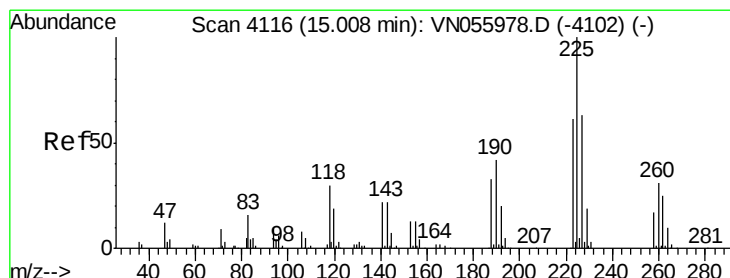
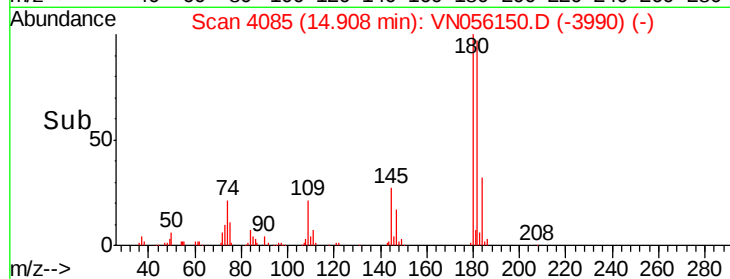
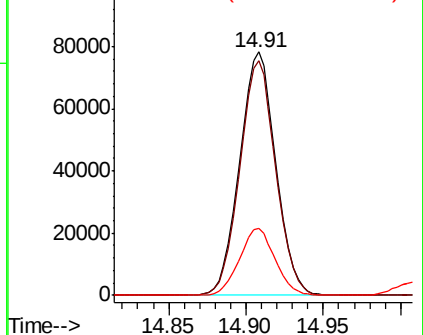


Abundance

Ion 179.80 (179.50 to 180.50): V

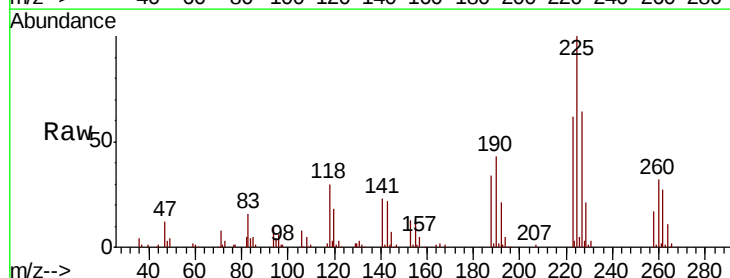
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.985 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.9	92.7
227	64.0	31.6	94.7

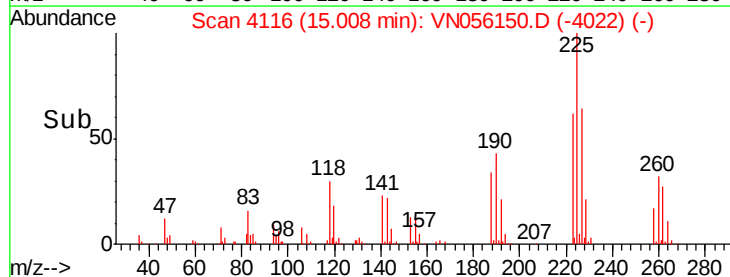
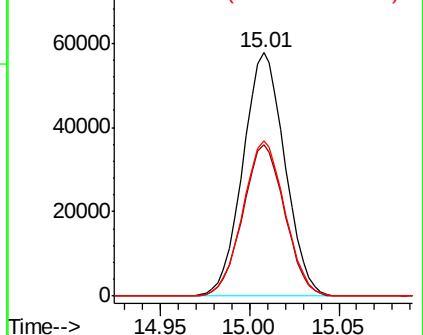


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.963 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

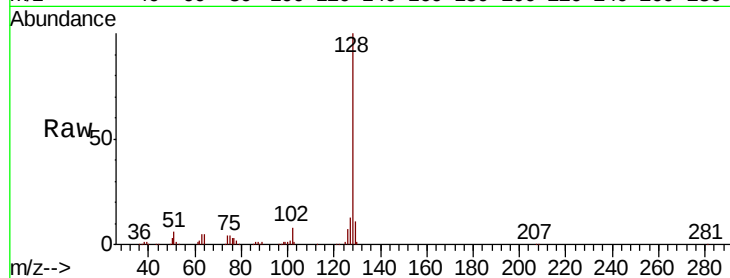
Tot Ion:128 Resp: 342071

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

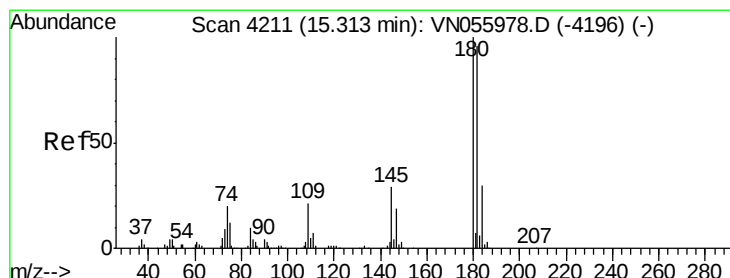
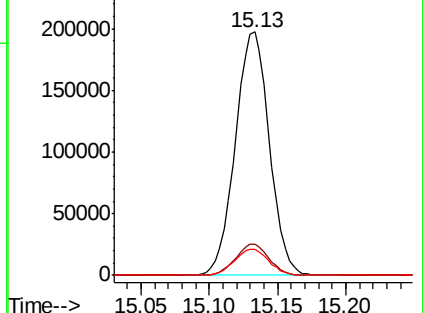
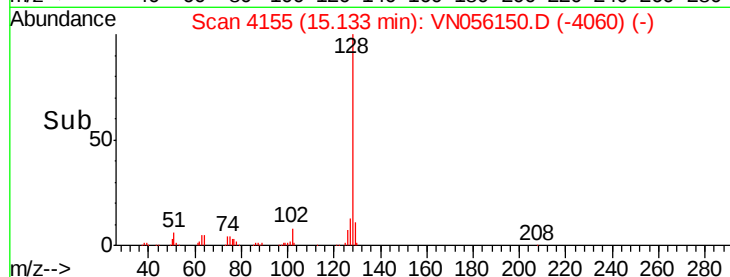
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.212 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

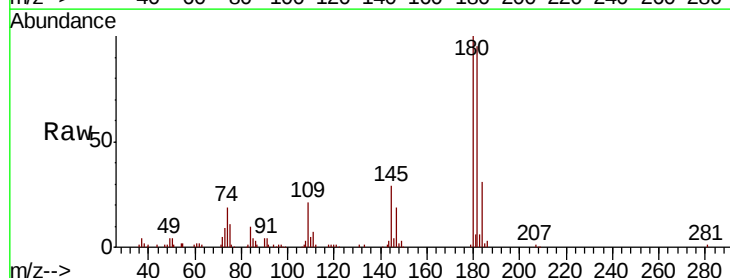
Tgt Ion:180 Resp: 142382

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 29.0 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

