

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057110.D
 Acq On : 6 Aug 2019 17:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 07 02:24:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	387304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	568302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	501979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227091	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	213629	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.58	113	197507	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.08	98	715036	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.40	95	254383	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	195544	49.942	ug/l	98
3) Chloromethane	2.05	50	209887	44.766	ug/l	99
4) Vinyl Chloride	2.18	62	199077	45.283	ug/l	98
5) Bromomethane	2.51	94	101051	36.973	ug/l	99
6) Chloroethane	2.63	64	112145	46.275	ug/l	99
7) Trichlorofluoromethane	2.97	101	287487	49.956	ug/l	99
8) Diethyl Ether	3.39	74	114097	52.976	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	179360	50.270	ug/l	98
10) Methyl Iodide	3.92	142	201654	42.297	ug/l	99
11) Tert butyl alcohol	4.81	59	135565	252.973	ug/l	98
12) 1,1-Dichloroethene	3.71	96	170245	50.008	ug/l	99
13) Acrolein	3.59	56	57089	207.245	ug/l	97
14) Allyl chloride	4.30	41	270700	48.883	ug/l	97
15) Acrylonitrile	4.98	53	400178	254.644	ug/l	99
16) Acetone	3.81	43	304332	211.888	ug/l	97
17) Carbon Disulfide	4.02	76	365589	40.413	ug/l	99
18) Methyl Acetate	4.31	43	241922	52.800	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	560691	55.235	ug/l	98
20) Methylene Chloride	4.53	84	200815	48.538	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	177626	49.128	ug/l	98
22) Diisopropyl ether	5.94	45	593407	52.008	ug/l	99
23) Vinyl Acetate	5.88	43	2044231	258.583	ug/l	98
24) 1,1-Dichloroethane	5.82	63	346339	51.447	ug/l	100
25) 2-Butanone	6.83	43	485923	238.588	ug/l	97
26) 2,2-Dichloropropane	6.81	77	266419	52.047	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	220335	51.524	ug/l	98
28) Bromochloromethane	7.18	49	152098	48.067	ug/l	97
29) Tetrahydrofuran	7.20	42	319788	240.657	ug/l	98
30) Chloroform	7.36	83	352934	51.276	ug/l	99
31) Cyclohexane	7.64	56	292769	44.941	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	298799	54.407	ug/l	98
36) 1,1-Dichloropropene	7.78	75	248788	49.751	ug/l	100
37) Ethyl Acetate	6.92	43	197628	49.344	ug/l	97
38) Carbon Tetrachloride	7.76	117	255100	53.931	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	299473	46.856	ug/l	97
40) Benzene	8.03	78	779473	50.608	ug/l	99
41) Methacrylonitrile	7.17	41	110283	59.564	ug/l	86
42) 1,2-Dichloroethane	8.11	62	257743	53.394	ug/l	99
43) Isopropyl Acetate	8.16	43	352550	53.258	ug/l #	89
44) Trichloroethene	8.82	130	216161	50.942	ug/l	99
45) 1,2-Dichloropropane	9.11	63	215439	52.294	ug/l	98
46) Dibromomethane	9.20	93	132648	53.390	ug/l	98
47) Bromodichloromethane	9.39	83	267145	54.689	ug/l	99
48) Methyl methacrylate	9.19	41	168702	52.786	ug/l	99
49) 1,4-Dioxane	9.20	88	69742	1058.904	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1013757	257.744	ug/l	100
52) Toluene	10.15	92	488399	52.778	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	274877	54.227	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	322176	54.663	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	197808	53.302	ug/l	99
56) Ethyl methacrylate	10.42	69	277379	49.511	ug/l	99
57) 1,3-Dichloropropane	10.70	76	326876	53.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	444569	199.908	ug/l	98
59) 2-Hexanone	10.75	43	727556	240.300	ug/l	99
60) Dibromochloromethane	10.90	129	212620	55.922	ug/l	99
61) 1,2-Dibromoethane	11.00	107	200061	55.241	ug/l	99
64) Tetrachloroethene	10.63	164	207949	48.072	ug/l	99
65) Chlorobenzene	11.43	112	535992	52.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	208116	54.045	ug/l	99
67) Ethyl Benzene	11.51	91	931226	52.664	ug/l	100
68) m/p-Xylenes	11.62	106	697928	106.949	ug/l	99
69) o-Xylene	11.94	106	343174	53.751	ug/l	99
70) Styrene	11.96	104	580683	51.403	ug/l	100
71) Bromoform	12.12	173	156609	58.251	ug/l #	98
73) Isopropylbenzene	12.25	105	927502	47.258	ug/l	100
74) N-amyl acetate	12.07	43	294685	51.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	276447	56.036	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	325048	70.481	ug/l #	100
77) Bromobenzene	12.52	156	252891	49.371	ug/l	99
78) n-propylbenzene	12.59	91	999209	47.682	ug/l	99
79) 2-Chlorotoluene	12.67	91	622028	48.206	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	792726	49.214	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	76646	53.398	ug/l	98
82) 4-Chlorotoluene	12.77	91	608472	50.389	ug/l	100
83) tert-Butylbenzene	12.99	119	721606	50.606	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	778916	50.256	ug/l	100
85) sec-Butylbenzene	13.17	105	904220	49.162	ug/l	99
86) p-Isopropyltoluene	13.29	119	818279	50.110	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	412603	52.955	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	390903	52.115	ug/l	100
89) n-Butylbenzene	13.61	91	604796	48.056	ug/l	99
90) Hexachloroethane	13.87	117	143505	51.037	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	416748	54.345	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42990	55.073	ug/l	97

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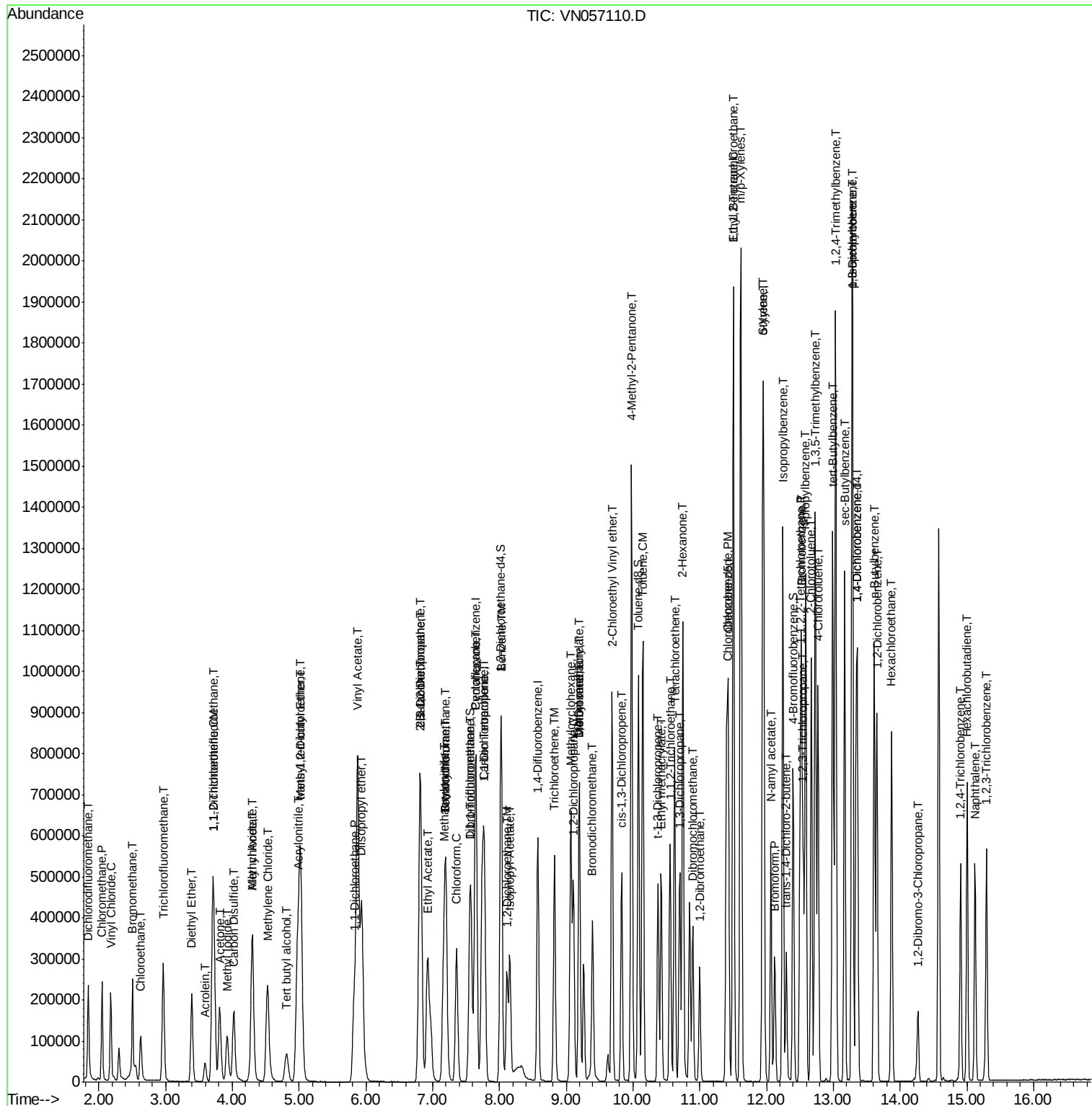
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186459	47.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	158509	59.827	ug/l	98
95) Naphthalene	15.12	128	454353	47.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	205753	51.408	ug/l	100

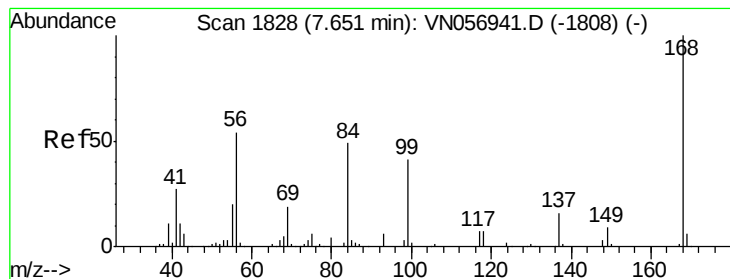
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

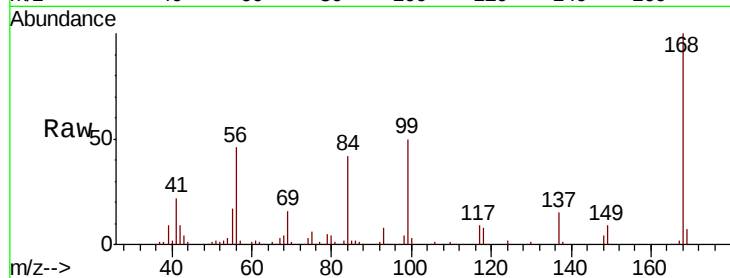
VSTDCCC050EC

Tgt Ion:168 Resp: 387304

Ion Ratio Lower Upper

168 100

99 49.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.65

150000

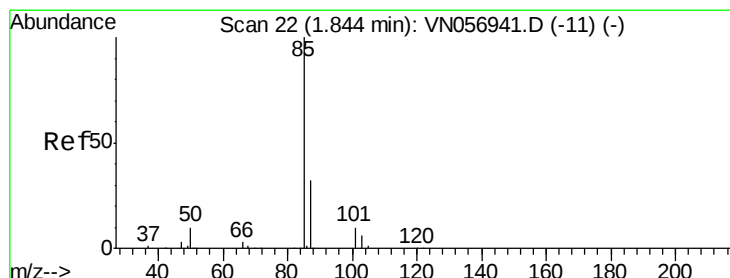
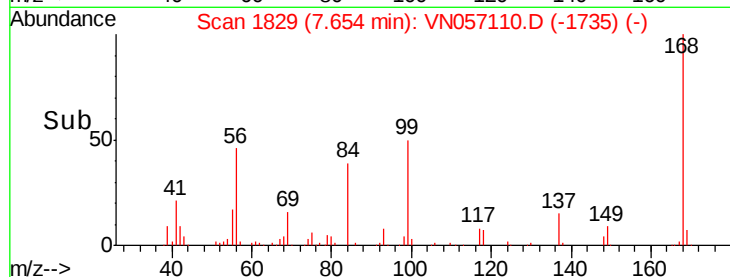
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.942 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057110.D

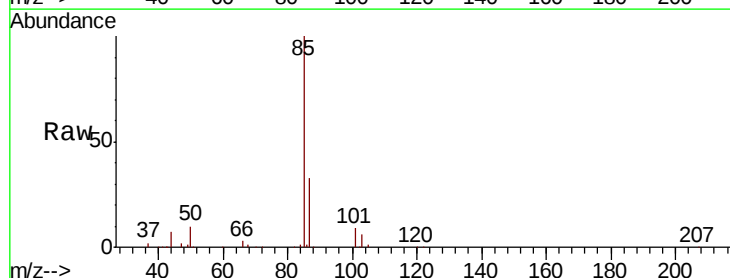
Acq: 6 Aug 2019 17:59

Tgt Ion: 85 Resp: 195544

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN056941.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN056941.D (-11) (-)

1.84

150000

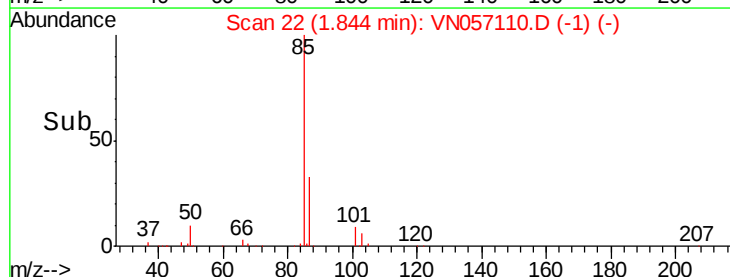
100000

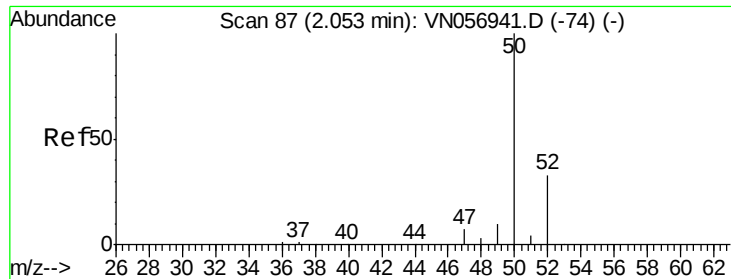
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.766 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

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ClientSampleId :

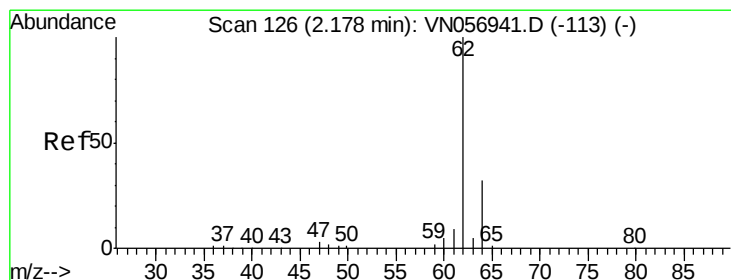
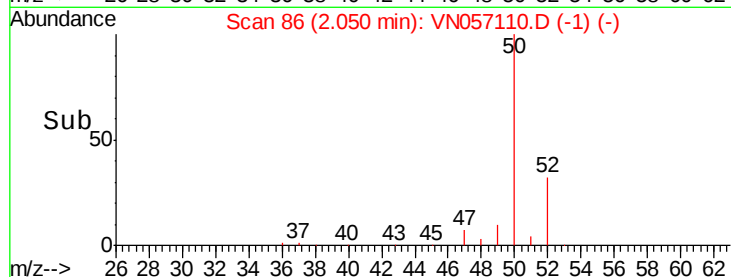
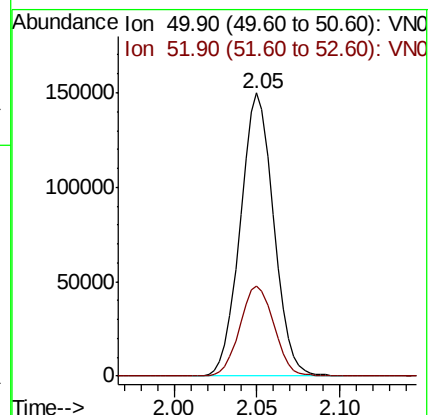
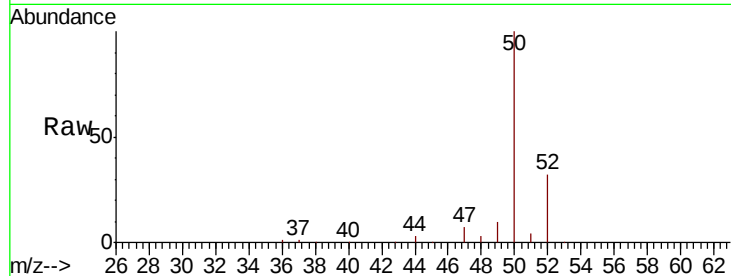
VSTDCCC050EC

Tgt Ion: 50 Resp: 209887

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.2



#4

Vinyl Chloride

Concen: 45.283 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057110.D

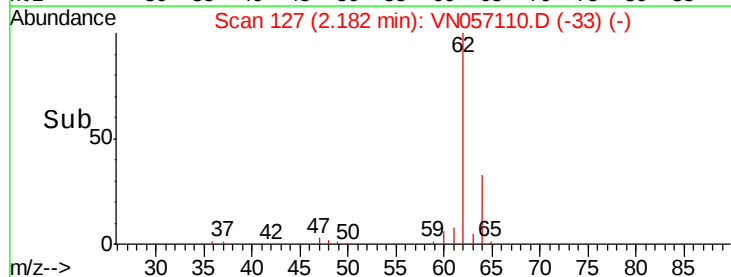
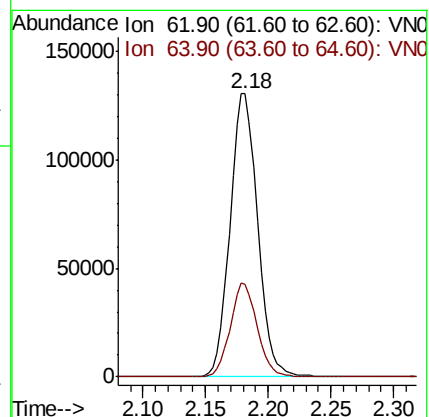
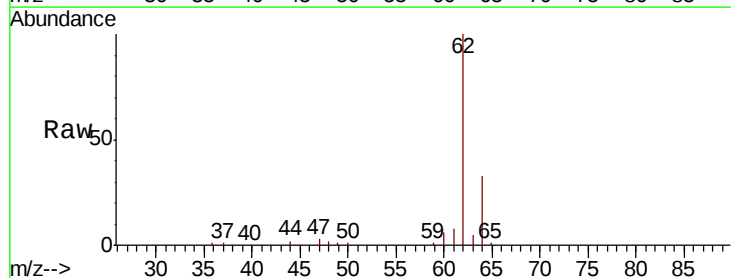
Acq: 6 Aug 2019 17:59

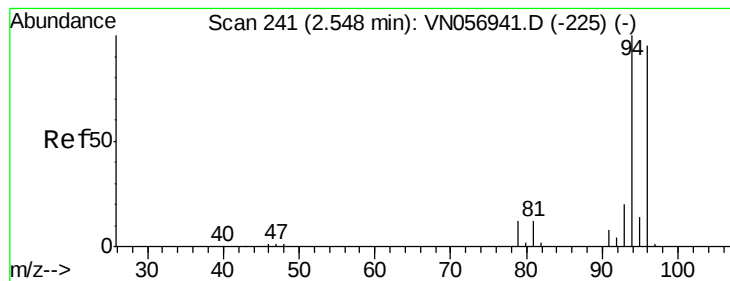
Tgt Ion: 62 Resp: 199077

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.0





#5

Bromomethane

Concen: 36.973 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.04 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

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ClientSampleId :

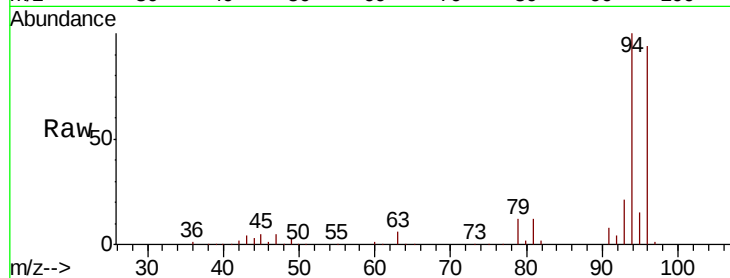
VSTDCCC050EC

Tgt Ion: 94 Resp: 101051

Ion Ratio Lower Upper

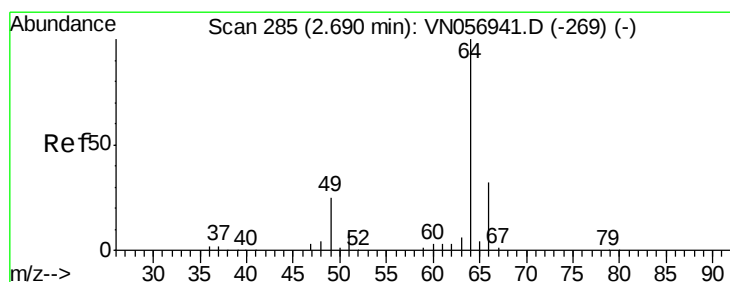
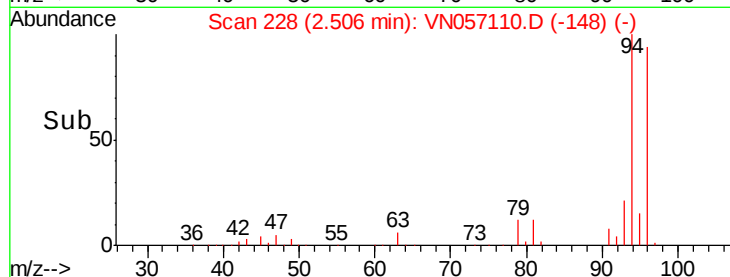
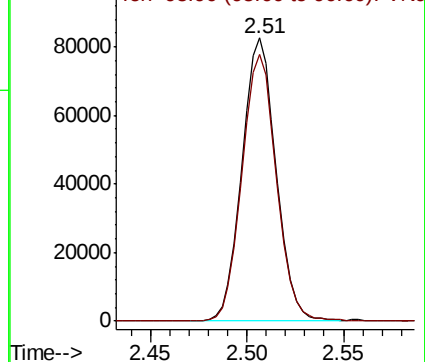
94 100

96 94.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.275 ug/l

RT: 2.63 min Scan# 266

Delta R.T. -0.06 min

Lab File: VN057110.D

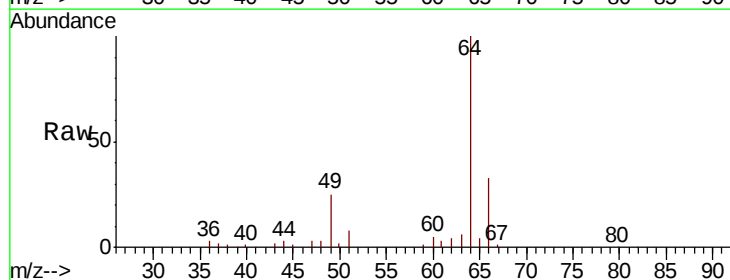
Acq: 6 Aug 2019 17:59

Tgt Ion: 64 Resp: 112145

Ion Ratio Lower Upper

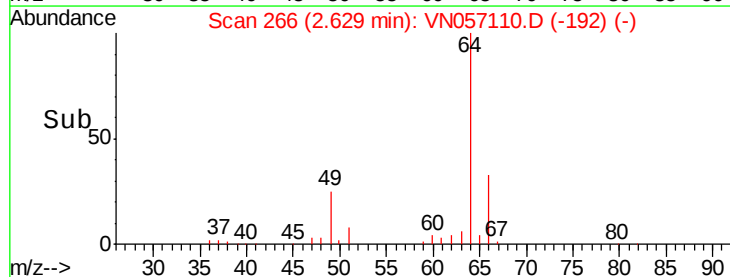
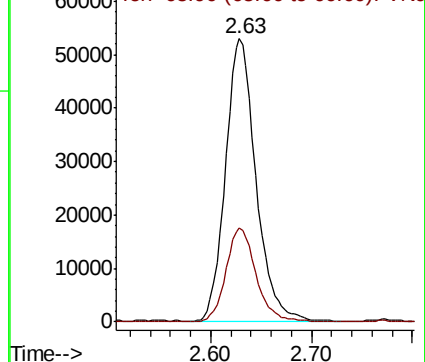
64 100

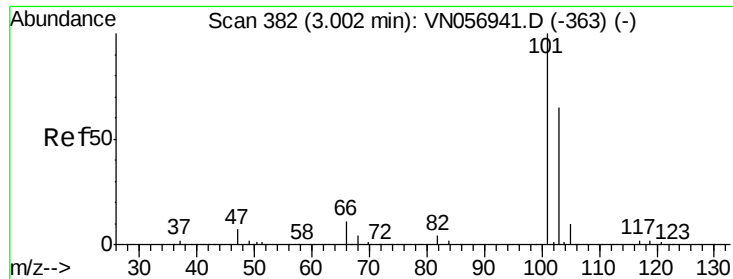
66 33.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



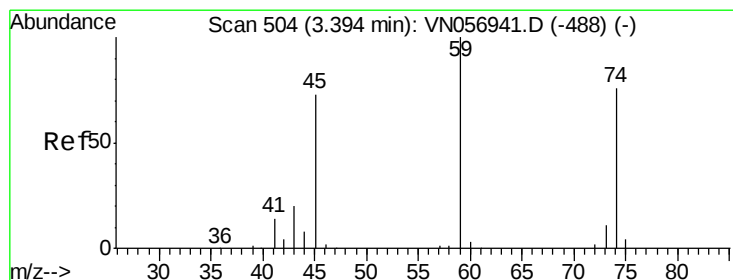
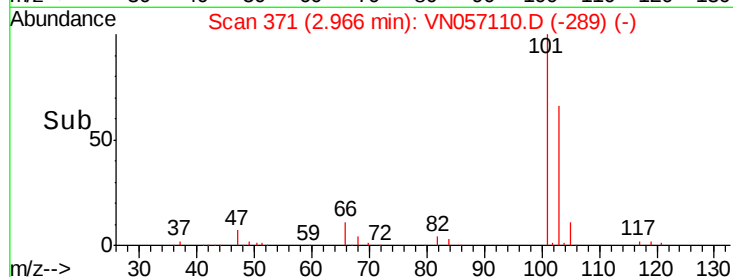
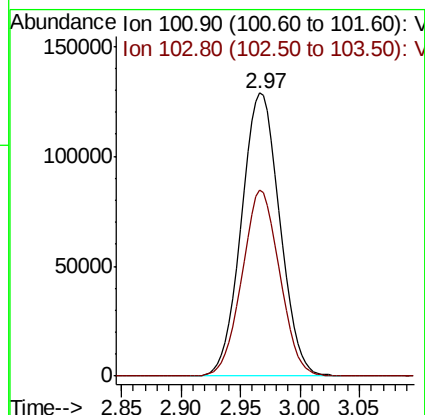
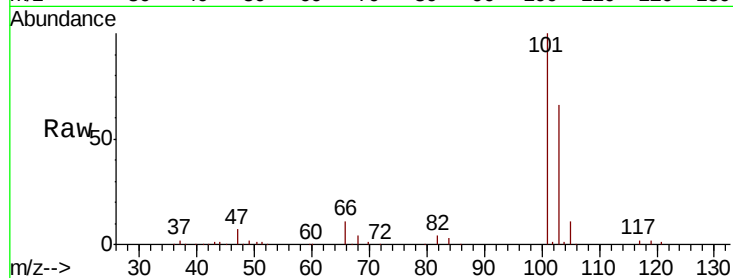


#7

Trichlorofluoromethane
 Concen: 49.956 ug/l
 RT: 2.97 min Scan# 371
 Delta R.T. -0.04 min
 Lab File: VN057110.D
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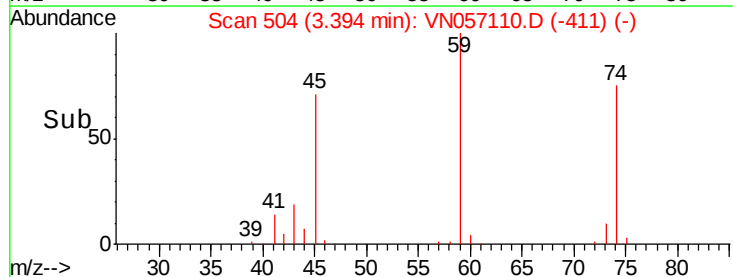
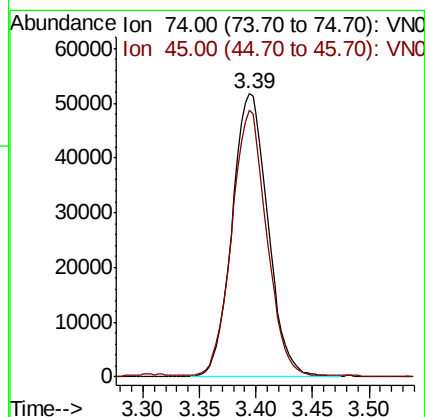
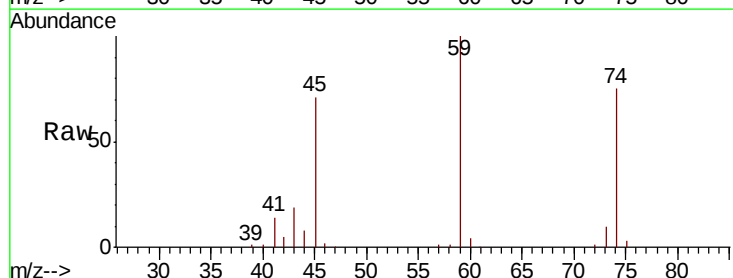
Tgt Ion: 101 Resp: 287487
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.1 78.1

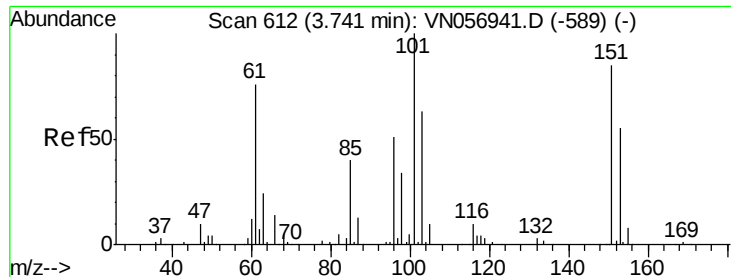


#8

Diethyl Ether
 Concen: 52.976 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 74 Resp: 114097
 Ion Ratio Lower Upper
 74 100
 45 90.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.270 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.02 min

Lab File: VN057110.D

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MSVOA_N

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VSTDCCC050EC

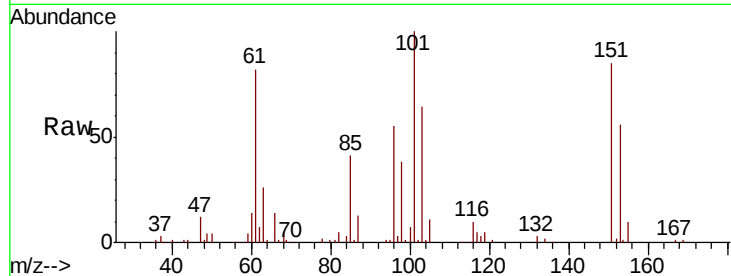
Tgt Ion:101 Resp: 179360

Ion Ratio Lower Upper

101 100

85 41.0 32.3 48.5

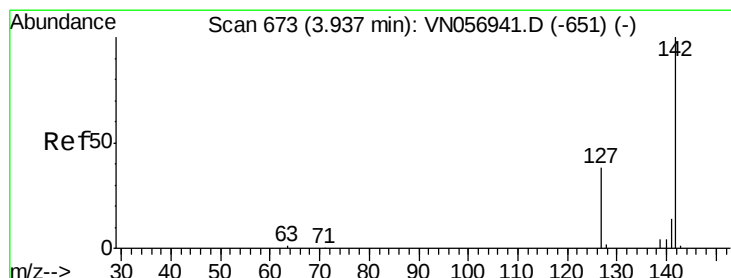
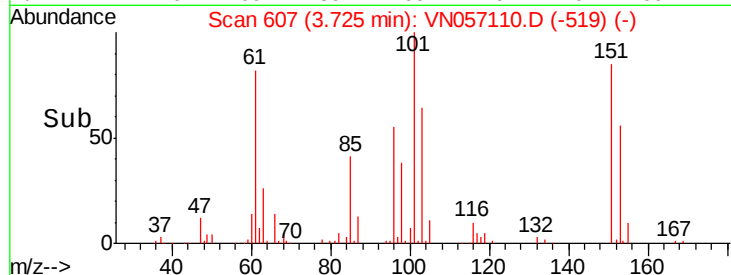
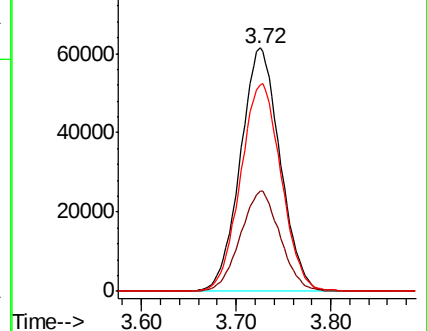
151 87.1 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.297 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

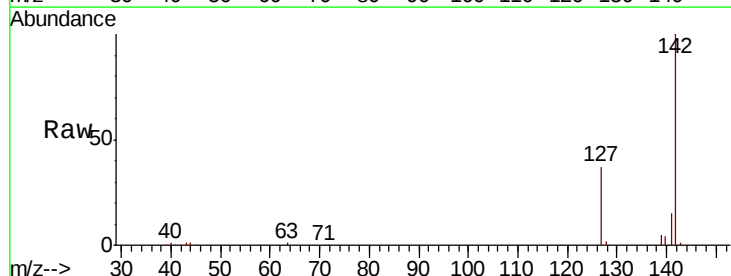
Tgt Ion:142 Resp: 201654

Ion Ratio Lower Upper

142 100

127 38.8 30.4 45.6

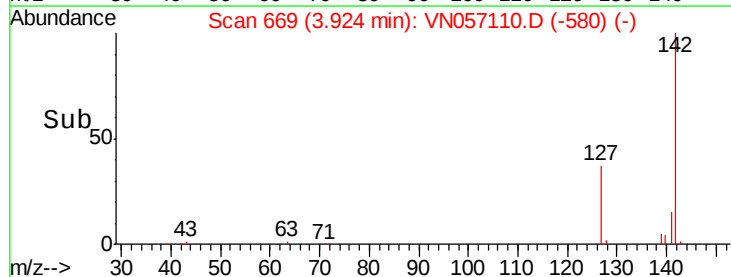
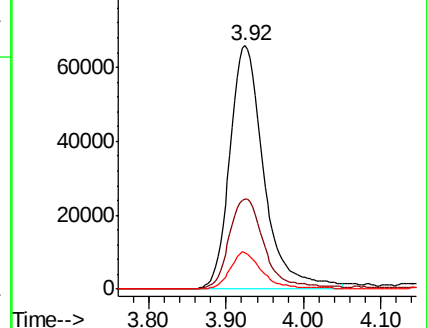
141 14.2 11.1 16.7

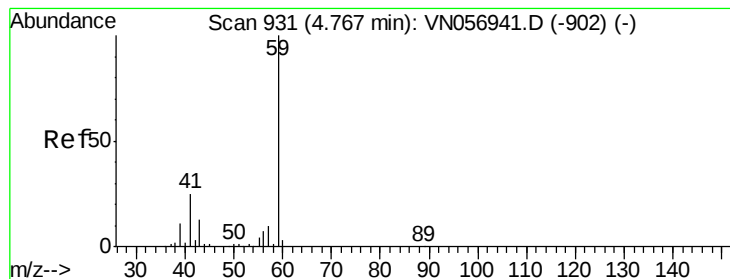


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



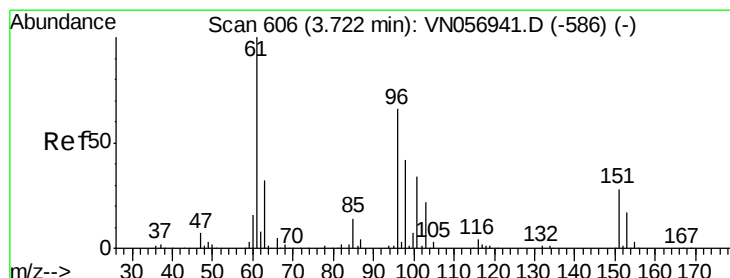
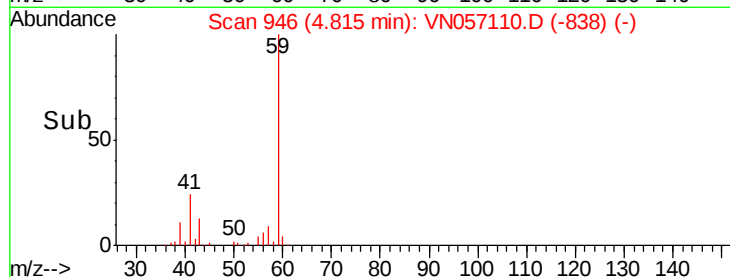
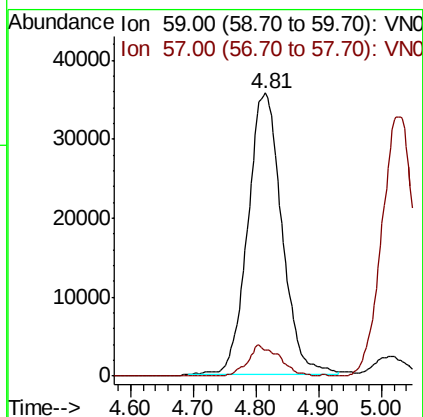
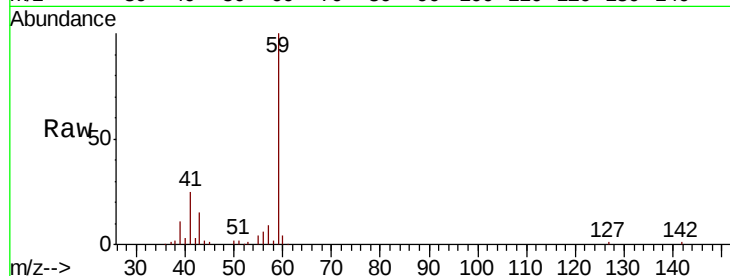


#11

Tert butyl alcohol
 Concen: 252.973 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.05 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

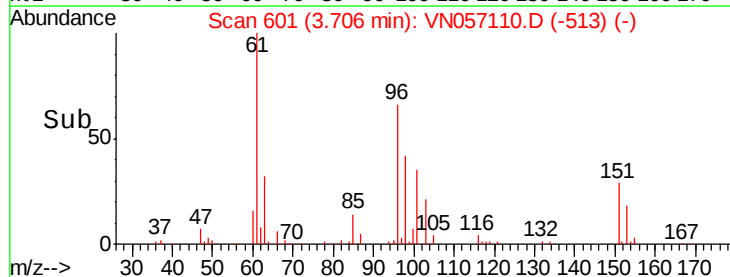
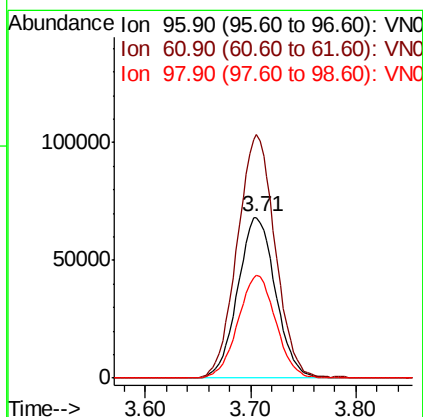
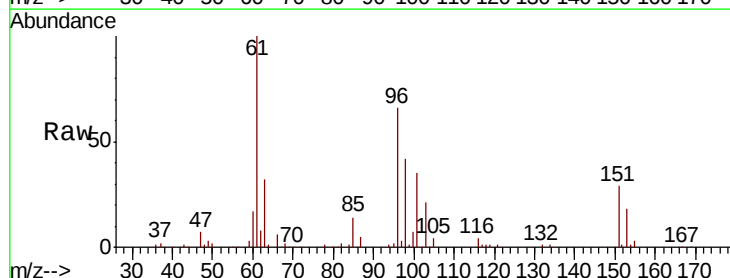
Tgt Ion: 59 Resp: 135565
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.5 11.3

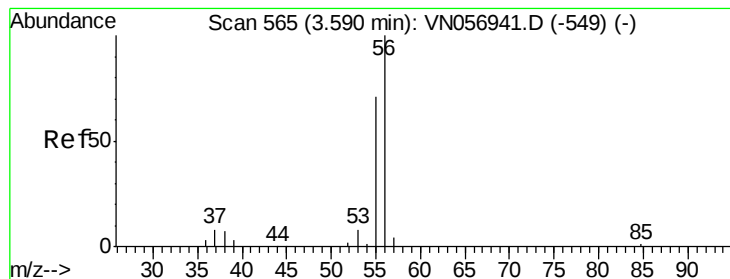


#12

1,1-Dichloroethene
 Concen: 50.008 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 96 Resp: 170245
 Ion Ratio Lower Upper
 96 100
 61 151.6 121.8 182.8
 98 64.1 51.7 77.5





#13

Acrolein

Concen: 207.245 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

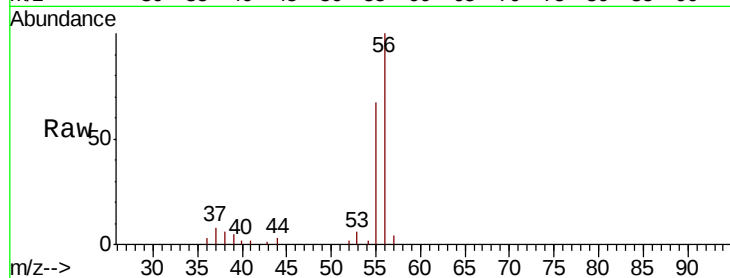
VSTDCCC050EC

Tgt Ion: 56 Resp: 57089

Ion Ratio Lower Upper

56 100

55 67.5 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)

3.59

25000

20000

15000

10000

5000

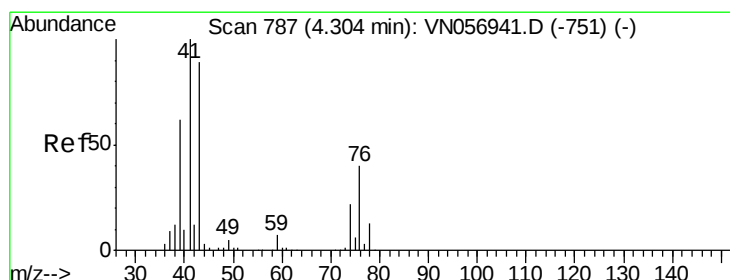
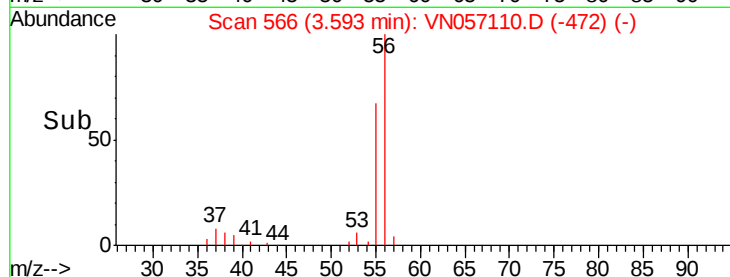
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 48.883 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

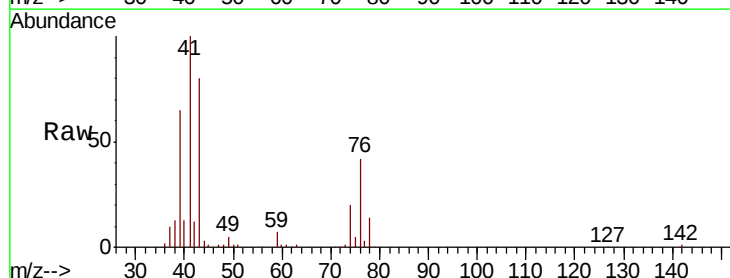
Tgt Ion: 41 Resp: 270700

Ion Ratio Lower Upper

41 100

39 60.7 46.4 69.6

76 37.0 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)

4.30

120000

100000

80000

60000

40000

20000

0

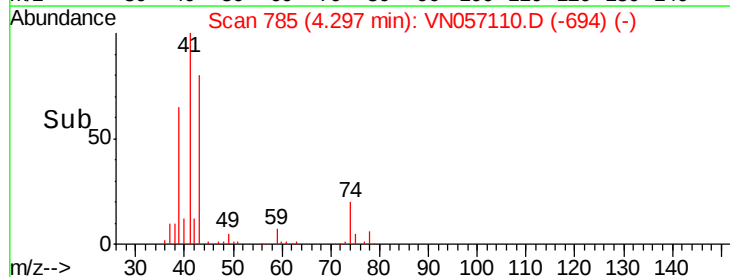
Time-->

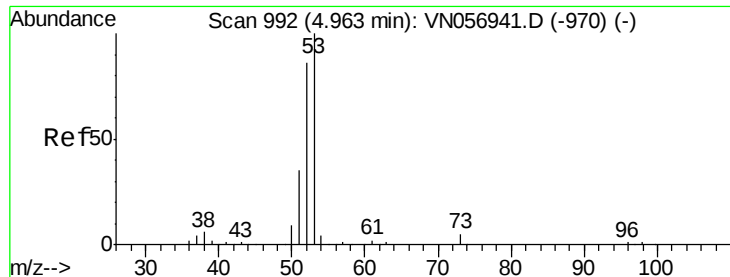
4.10

4.20

4.30

4.40

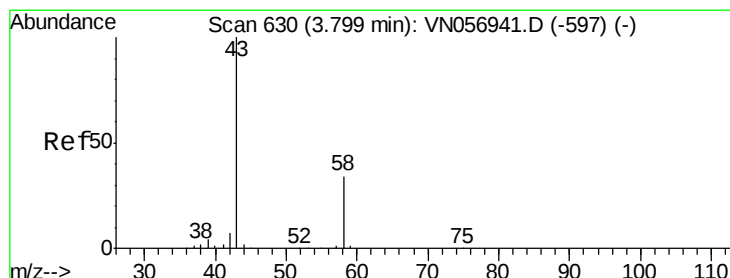
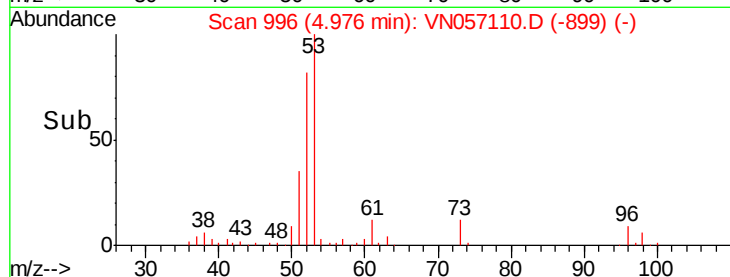
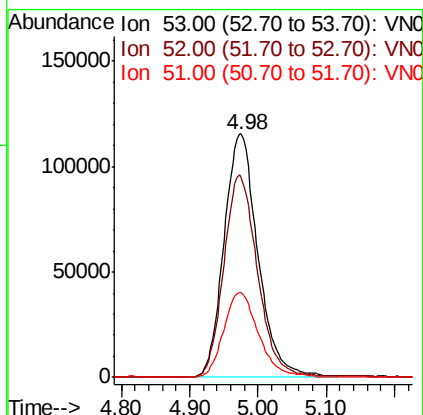
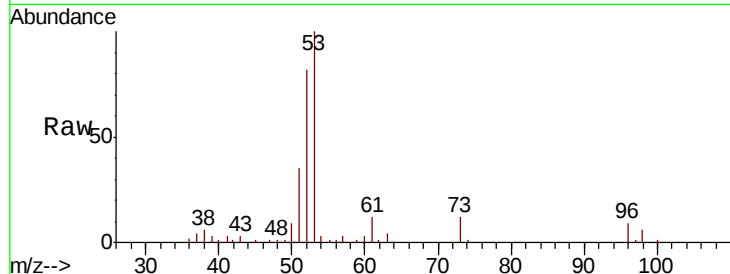




#15
 Acrylonitrile
 Concen: 254.644 ug/l
 RT: 4.98 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

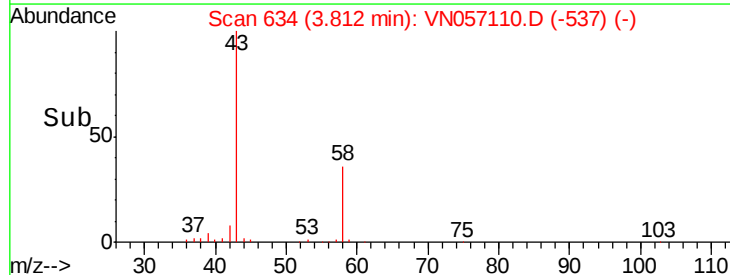
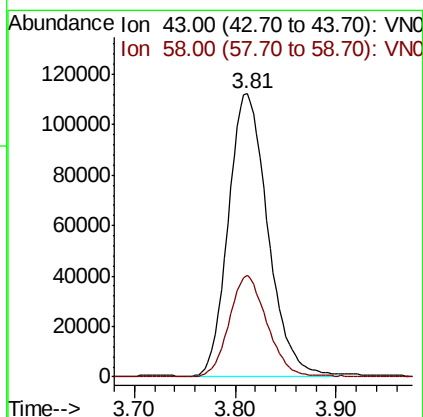
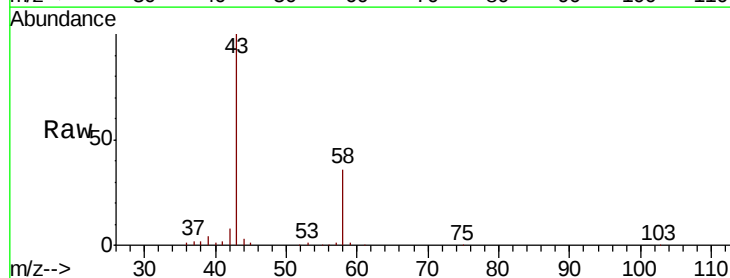
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

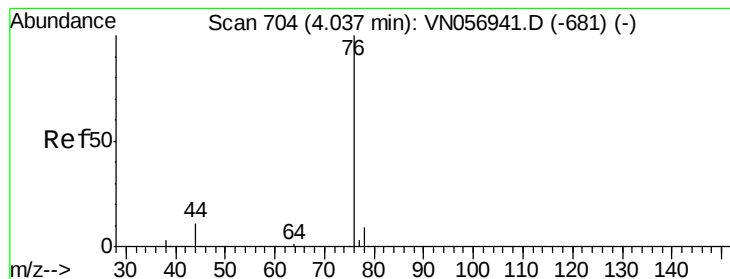
Tgt Ion: 53 Resp: 400178
 Ion Ratio Lower Upper
 53 100
 52 82.4 66.5 99.7
 51 35.9 28.4 42.6



#16
 Acetone
 Concen: 211.888 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 43 Resp: 304332
 Ion Ratio Lower Upper
 43 100
 58 35.9 27.2 40.8





#17

Carbon Disulfide

Concen: 40.413 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

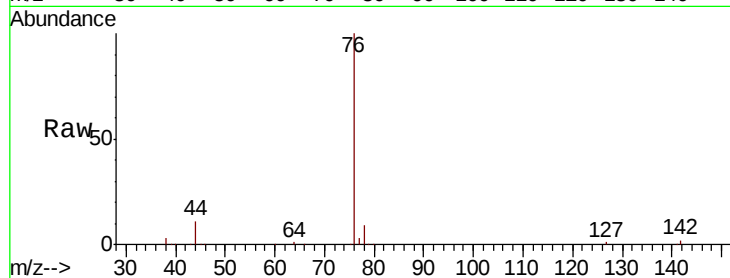
VSTDCCC050EC

Tgt Ion: 76 Resp: 365589

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN056941.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN056941.D (-681) (-)

4.02

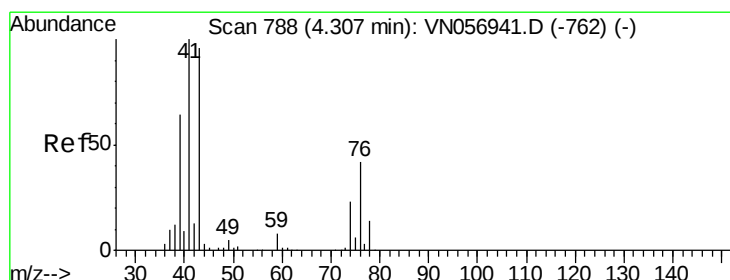
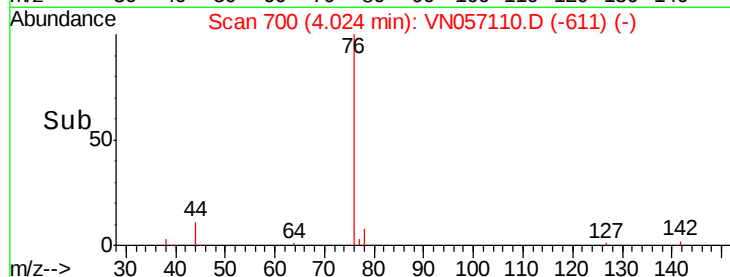
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.800 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057110.D

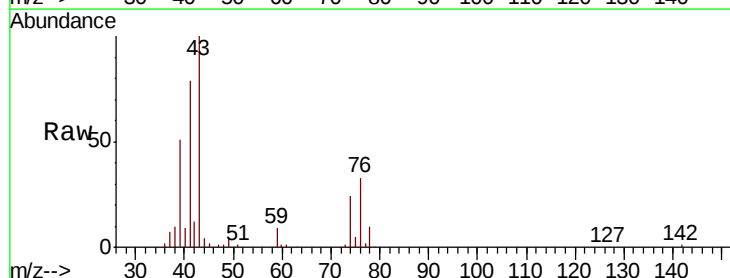
Acq: 6 Aug 2019 17:59

Tgt Ion: 43 Resp: 241922

Ion Ratio Lower Upper

43 100

74 25.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN056941.D (-762) (-)

4.31

100000

80000

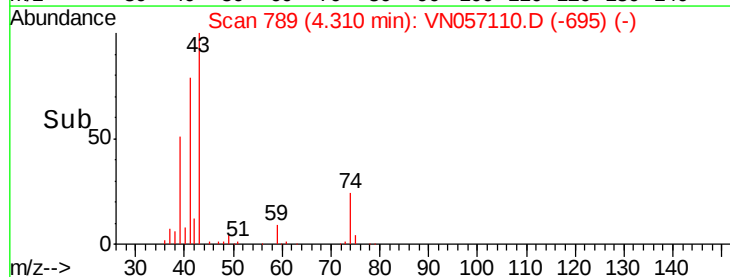
60000

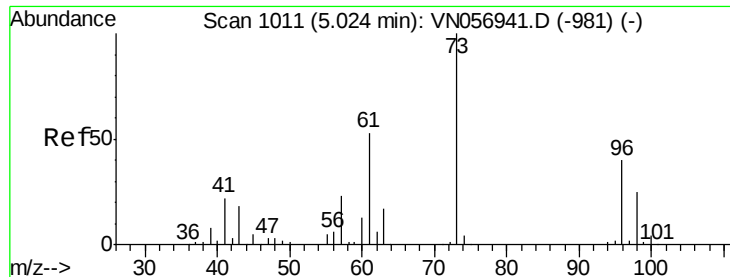
40000

20000

0

Time-->

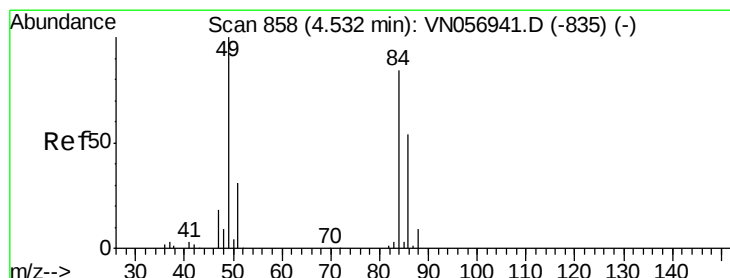
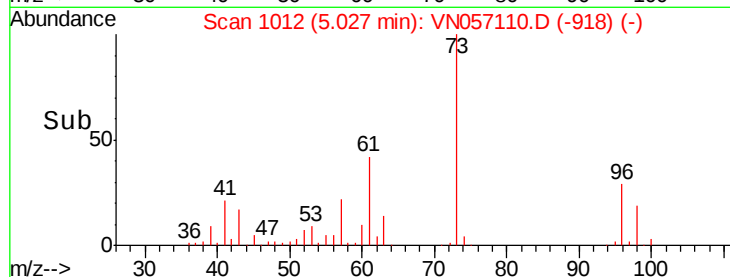
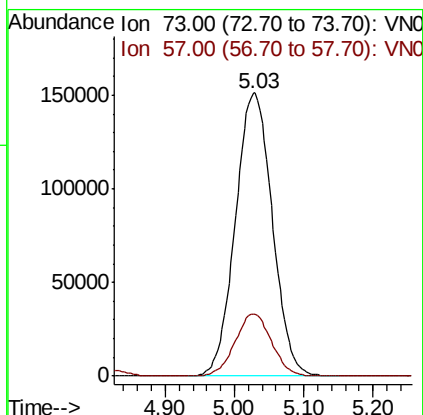
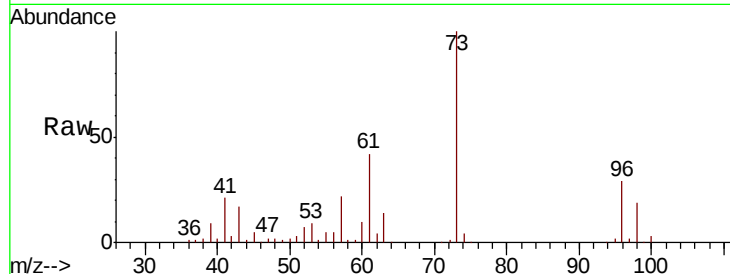




#19
Methyl tert-butyl Ether
Concen: 55.235 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

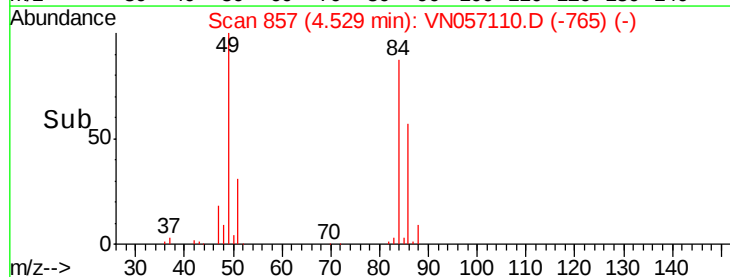
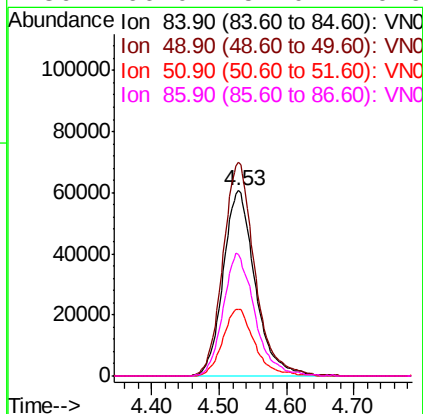
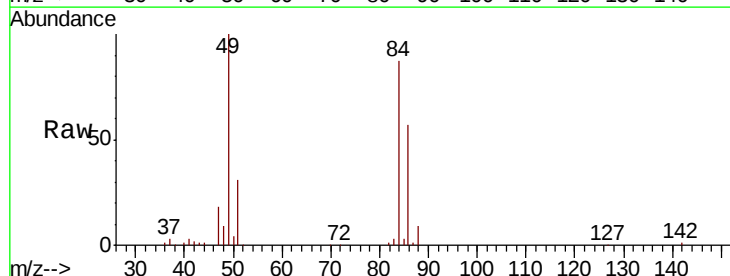
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

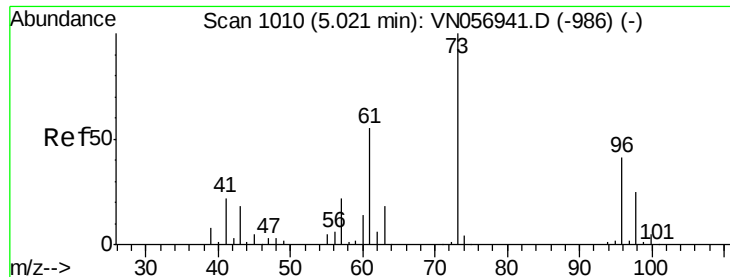
Tgt Ion: 73 Resp: 560691
Ion Ratio Lower Upper
73 100
57 21.7 18.3 27.5



#20
Methylene Chloride
Concen: 48.538 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 84 Resp: 200815
Ion Ratio Lower Upper
84 100
49 115.4 95.2 142.8
51 36.1 29.7 44.5
86 66.0 51.0 76.6

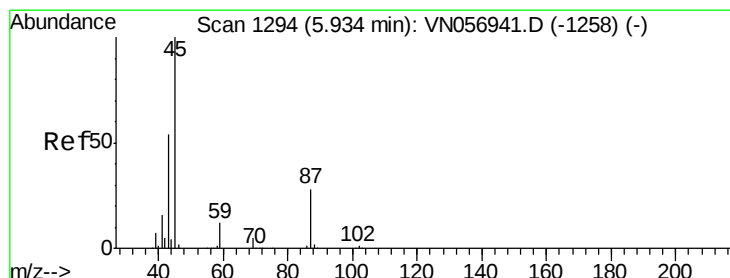
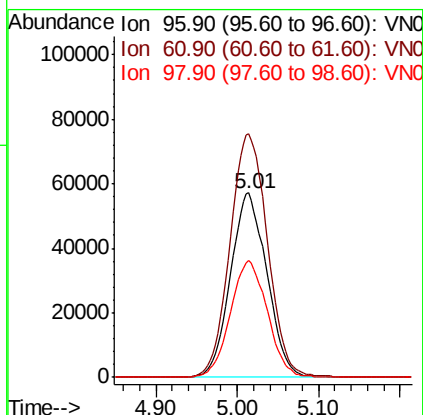
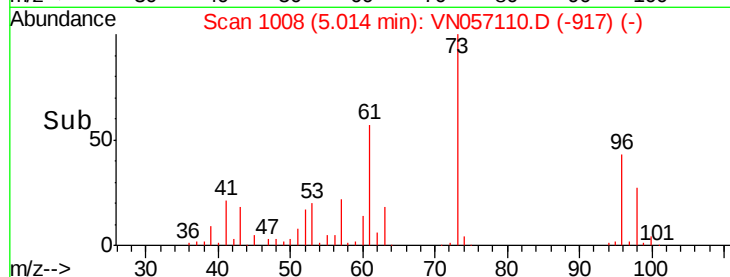
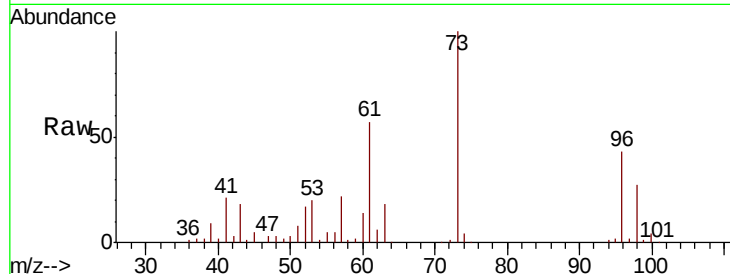




#21
trans-1,2-Dichloroethene
Concen: 49.128 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

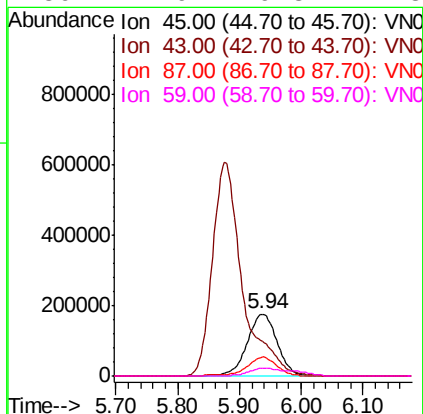
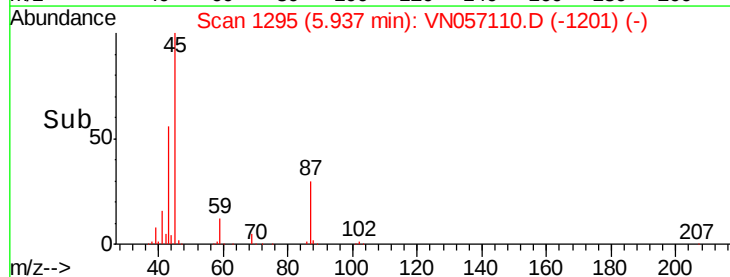
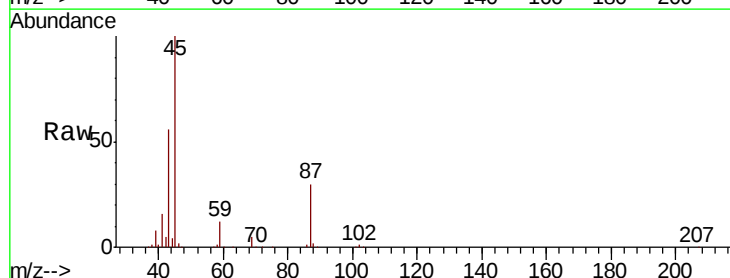
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

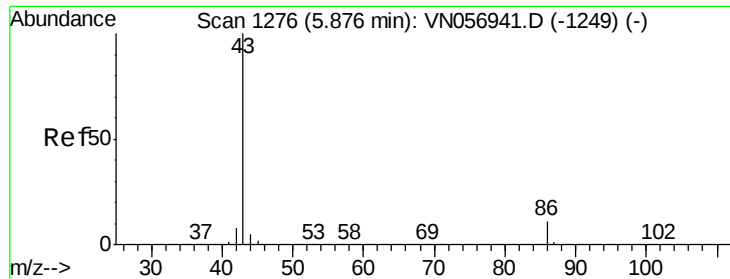
Tgt Ion: 96 Resp: 177626
Ion Ratio Lower Upper
96 100
61 132.2 107.5 161.3
98 63.5 49.9 74.9



#22
Diisopropyl ether
Concen: 52.008 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 45 Resp: 593407
Ion Ratio Lower Upper
45 100
43 55.3 44.7 67.1
87 30.4 23.0 34.6
59 11.9 9.8 14.8

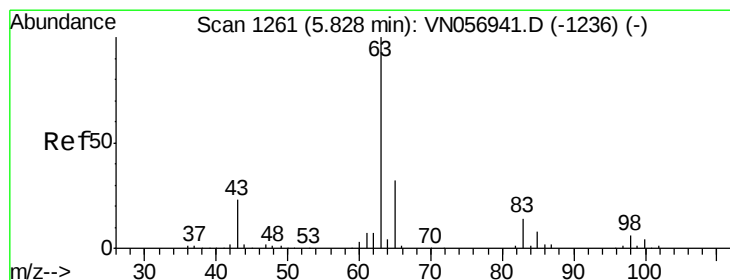
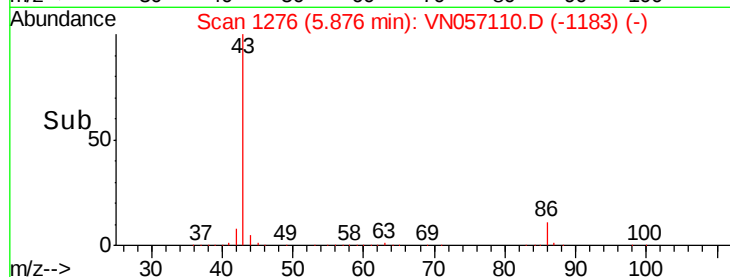
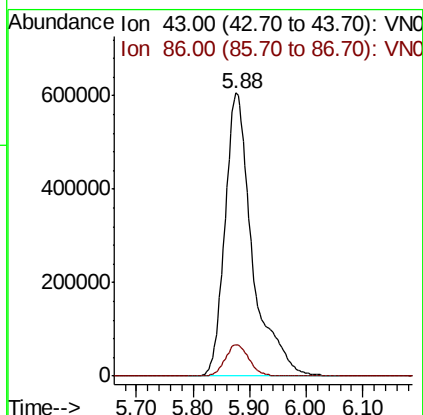
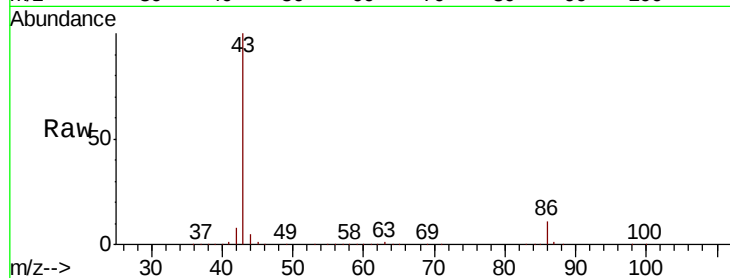




#23
 Vinyl Acetate
 Concen: 258.583 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

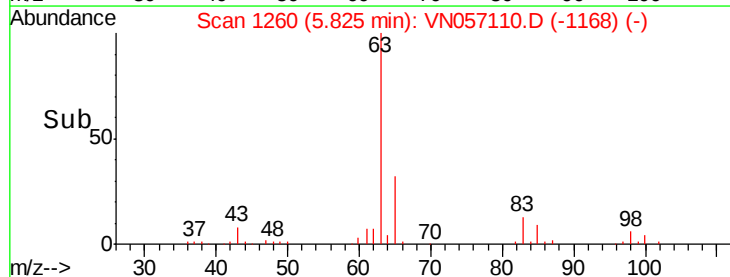
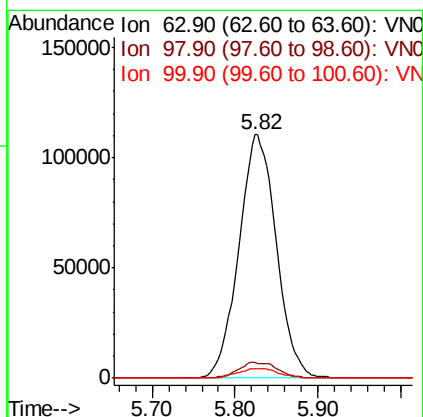
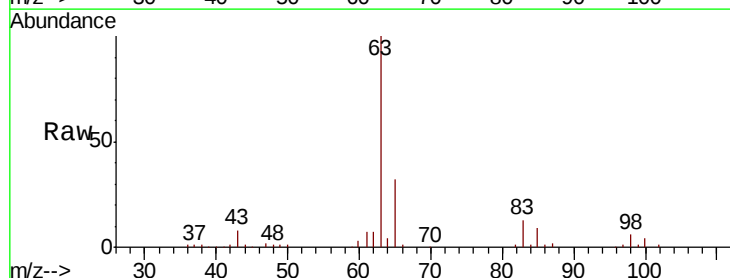
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

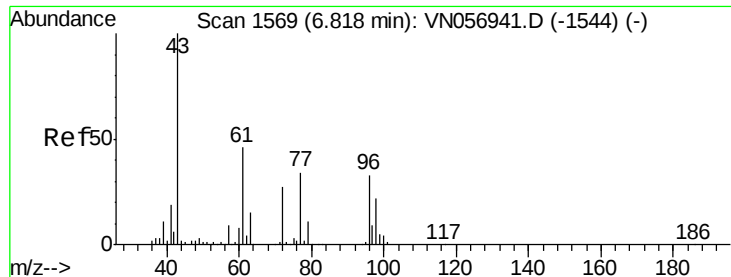
Tgt Ion: 43 Resp: 2044231
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 51.447 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 63 Resp: 346339
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.2 9.6
 100 3.9 2.1 6.3

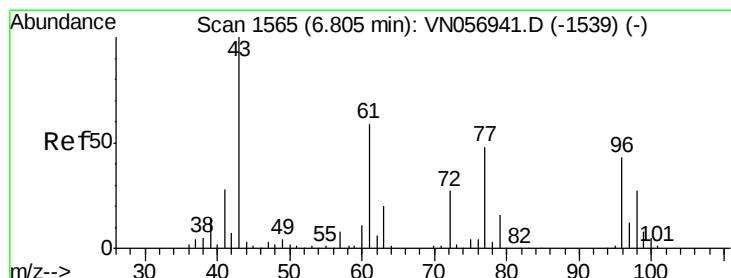
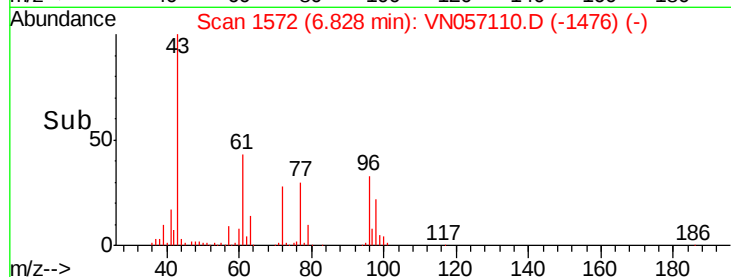
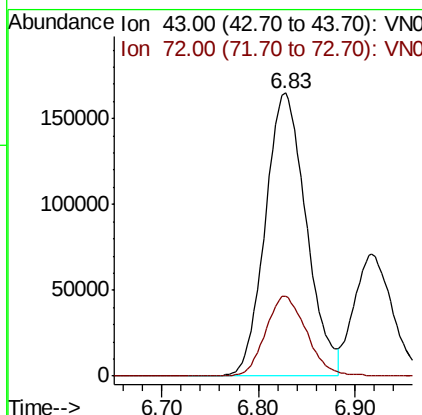
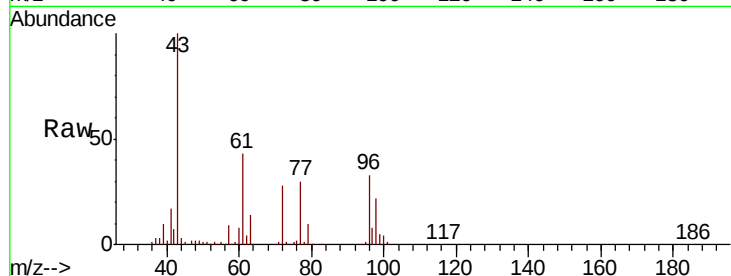




#25
2-Butanone
Concen: 238.588 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

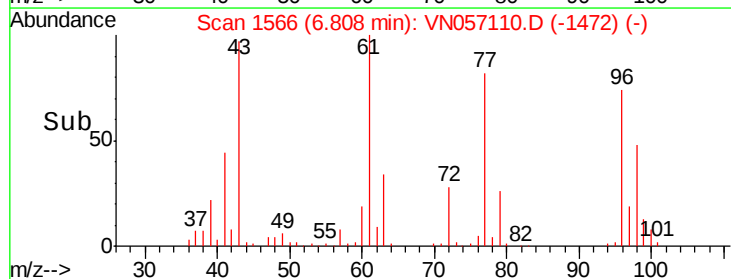
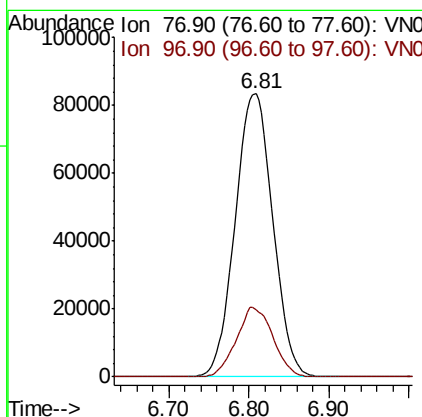
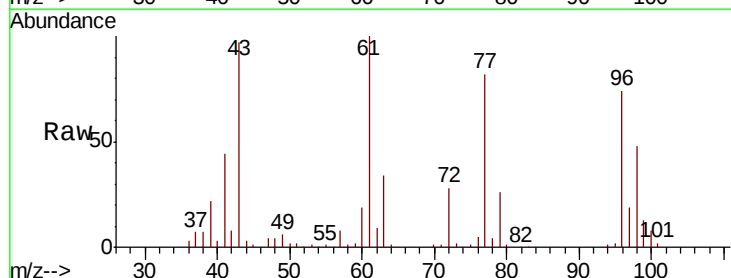
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

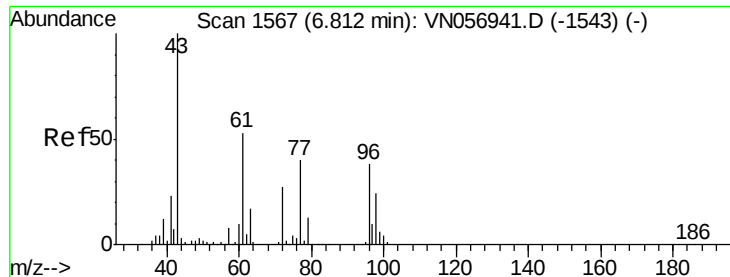
Tgt Ion: 43 Resp: 485923
Ion Ratio Lower Upper
43 100
72 28.3 21.5 32.3



#26
2,2-Dichloropropane
Concen: 52.047 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 77 Resp: 266419
Ion Ratio Lower Upper
77 100
97 23.9 12.2 36.6

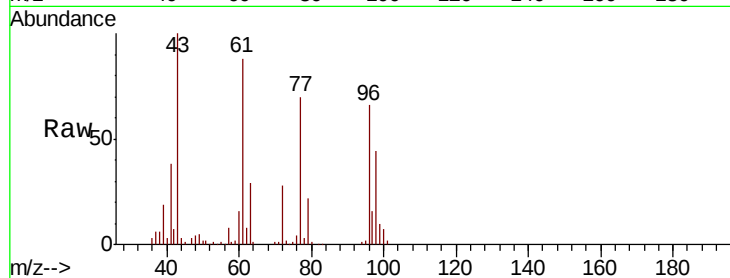




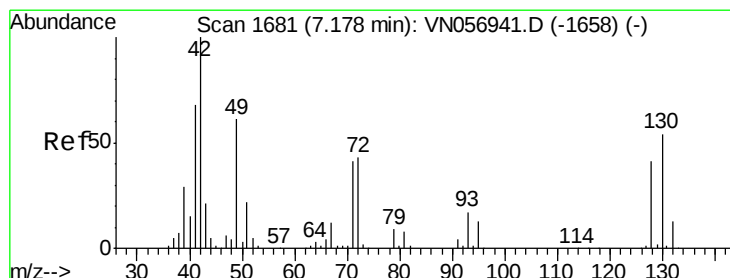
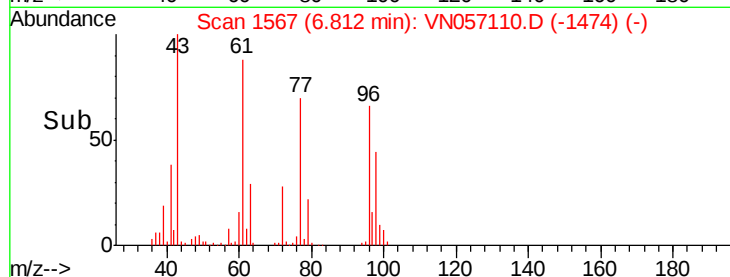
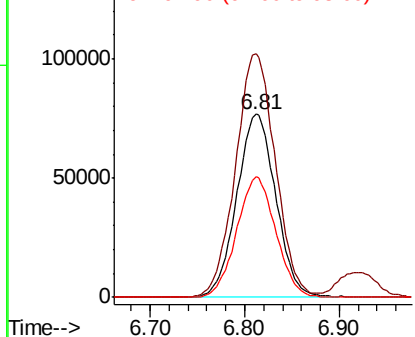
#27
 cis-1,2-Dichloroethene
 Concen: 51.524 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 220335
 Ion Ratio Lower Upper
 96 100
 61 135.5 0.0 277.2
 98 66.1 0.0 128.4

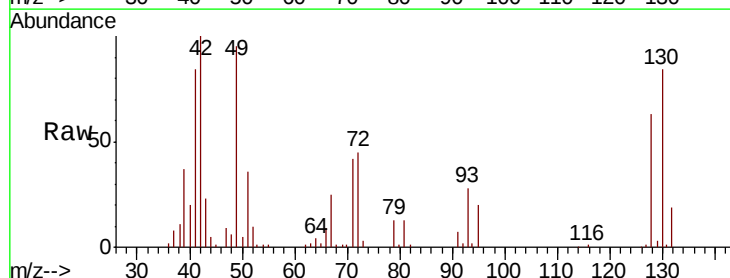


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

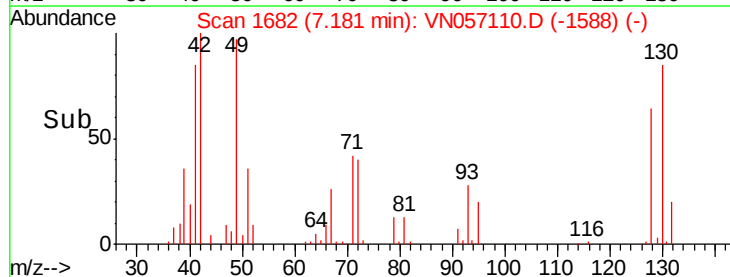
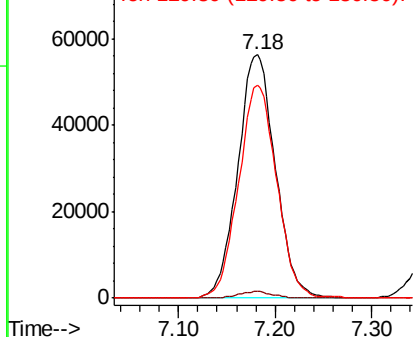


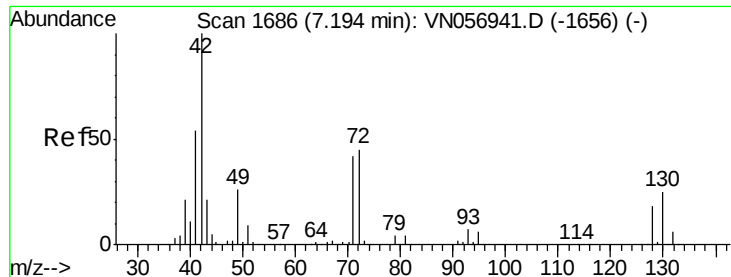
#28
 Bromochloromethane
 Concen: 48.067 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 49 Resp: 152098
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.6
 130 88.6 69.0 103.4



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

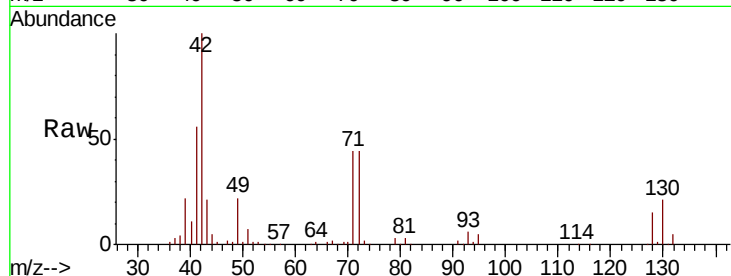




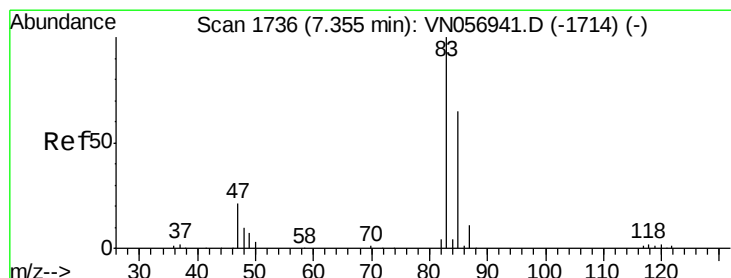
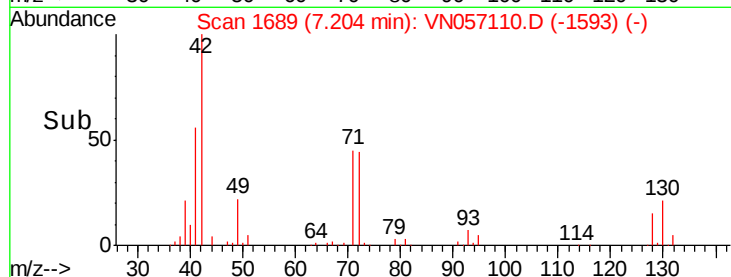
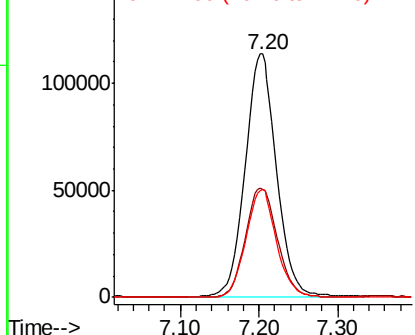
#29
Tetrahydrofuran
Concen: 240.657 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 319788
Ion Ratio Lower Upper
42 100
72 46.2 35.6 53.4
71 43.3 33.5 50.3

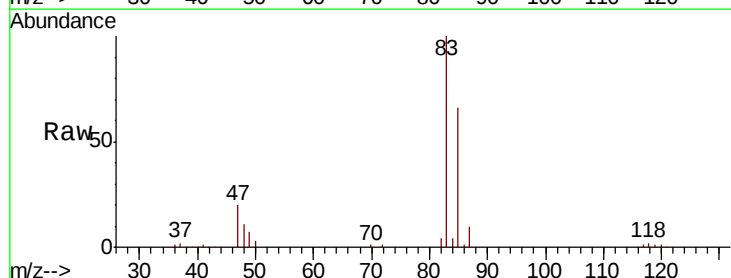


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

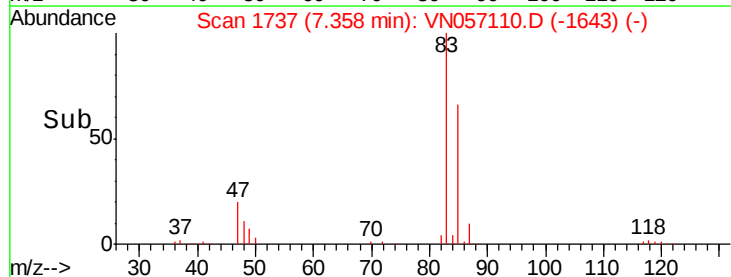
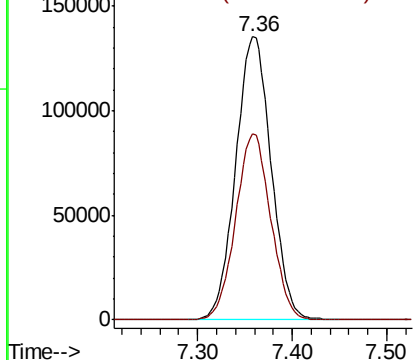


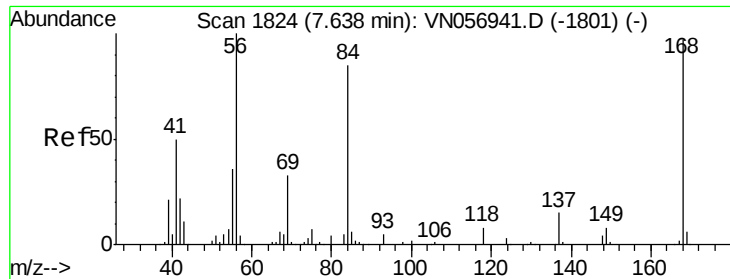
#30
Chloroform
Concen: 51.276 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 83 Resp: 352934
Ion Ratio Lower Upper
83 100
85 65.8 52.2 78.2



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

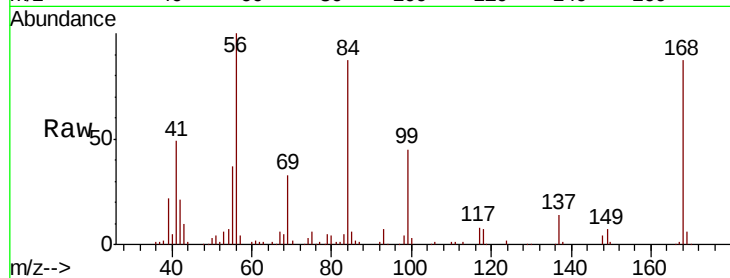




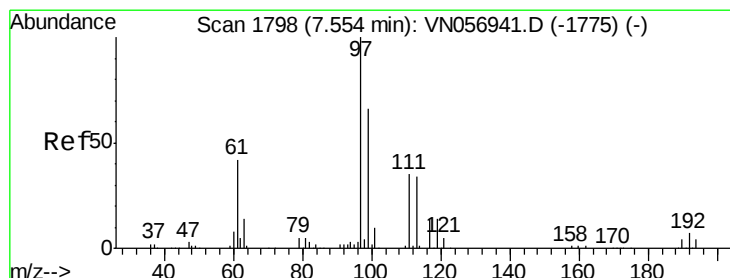
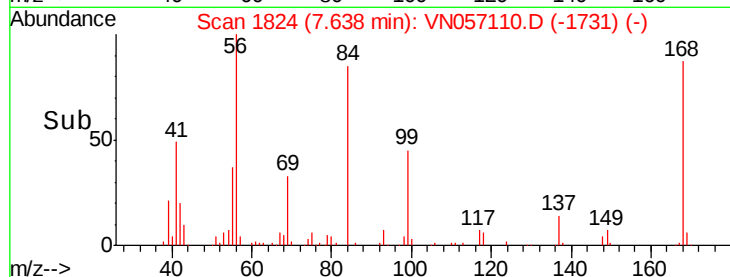
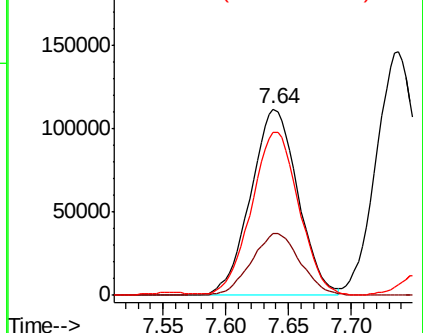
#31
Cyclohexane
Concen: 44.941 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 292769
Ion Ratio Lower Upper
56 100
69 32.9 26.2 39.2
84 86.2 68.2 102.2

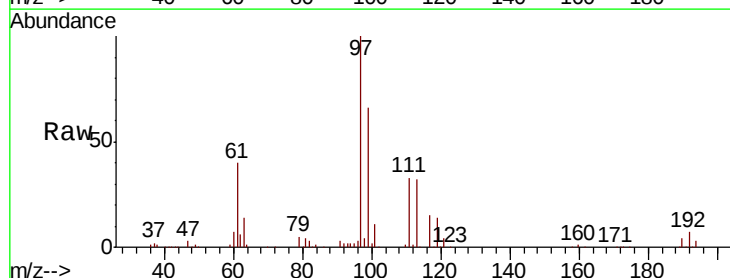


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

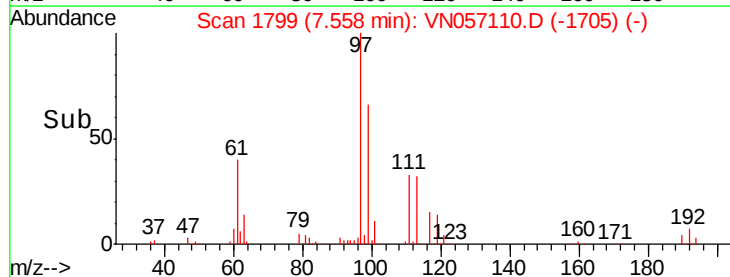
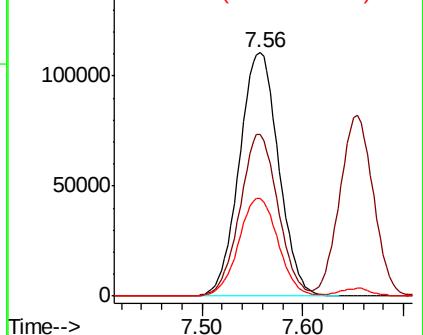


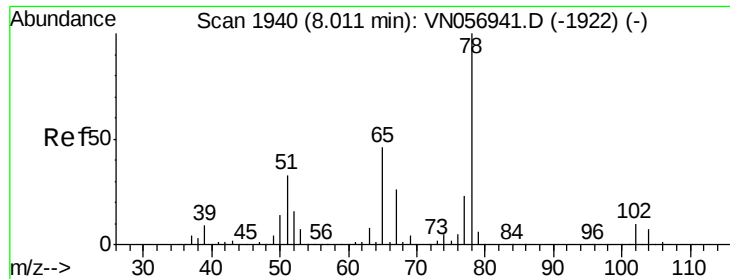
#32
1,1,1-Trichloroethane
Concen: 54.407 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 97 Resp: 298799
Ion Ratio Lower Upper
97 100
99 64.5 52.3 78.5
61 40.3 33.9 50.9



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

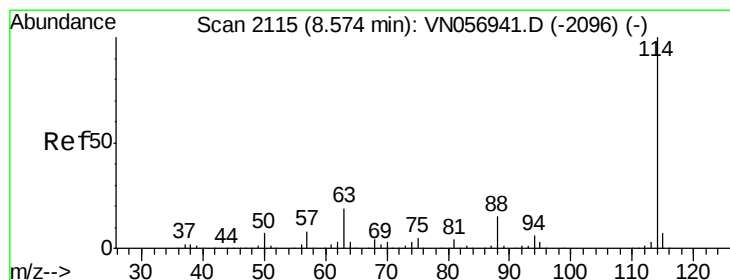
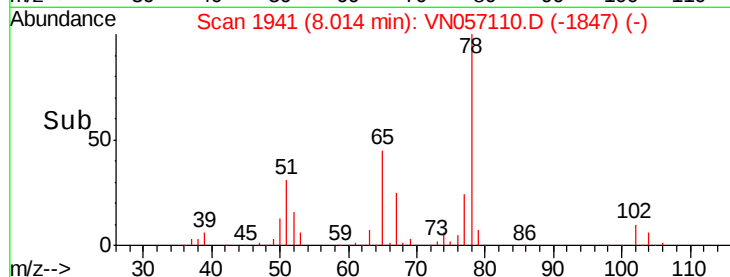
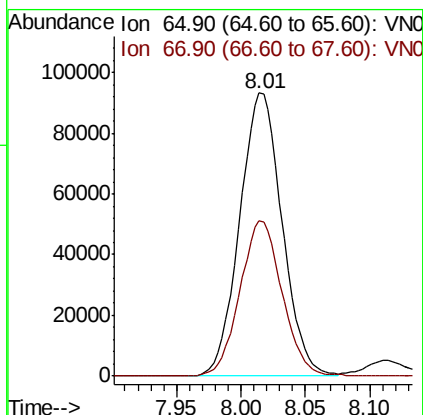
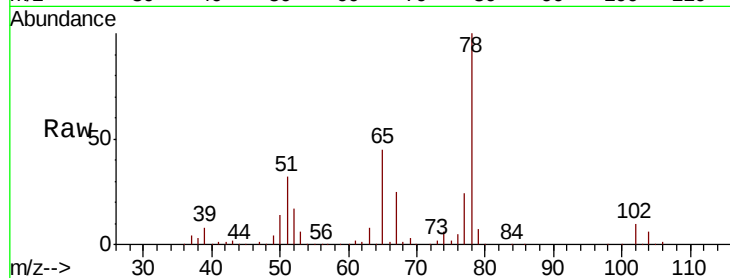




#33
 1,2-Dichloroethane-d4
 Concen: 53.884 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

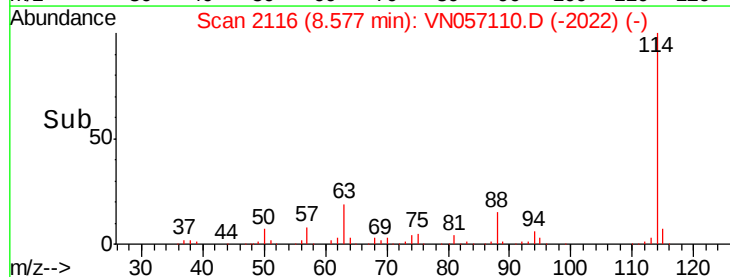
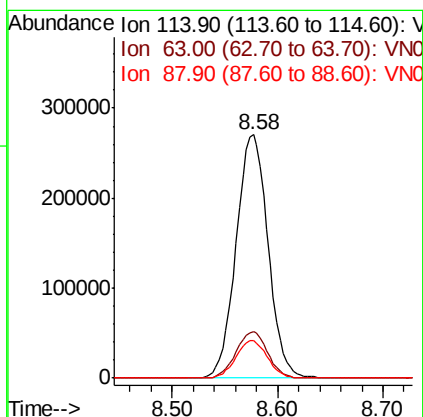
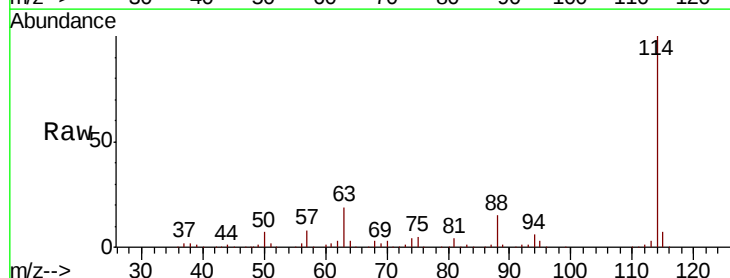
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

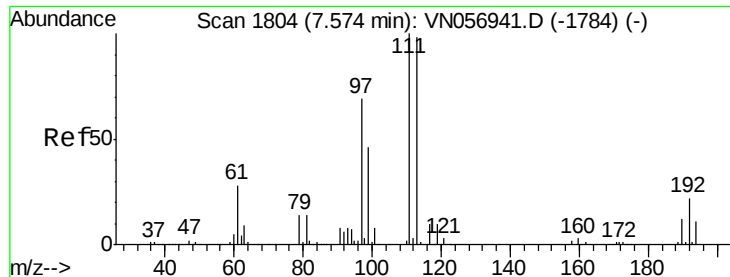
Tgt Ion: 65 Resp: 213629
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 114 Resp: 568302
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 15.3 0.0 30.0

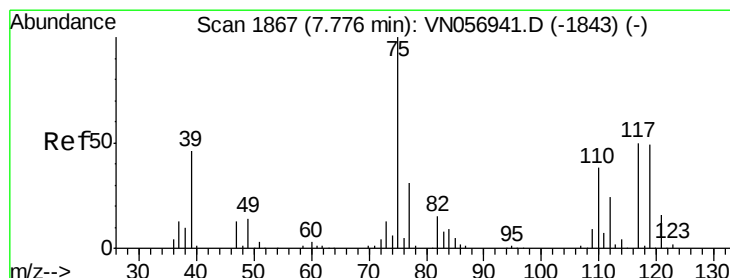
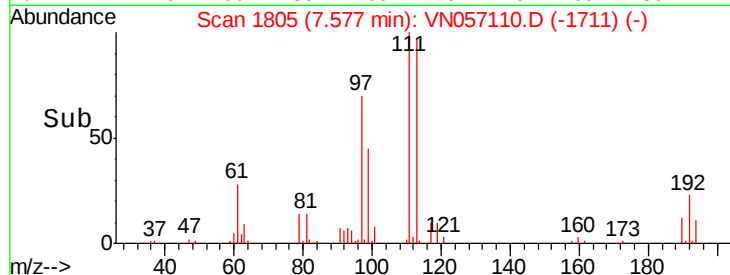
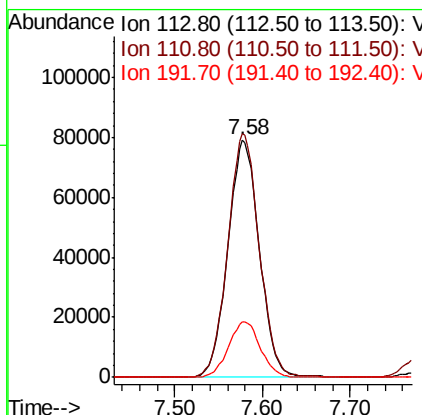
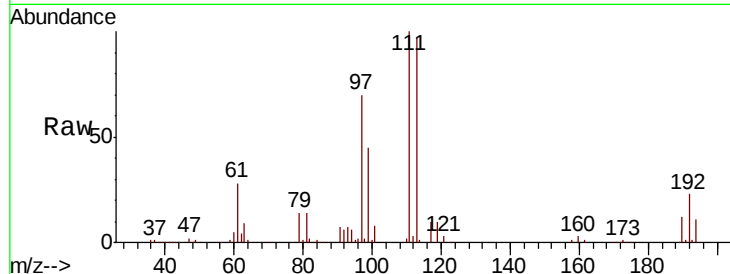




#35
 Dibromofluoromethane
 Concen: 54.289 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

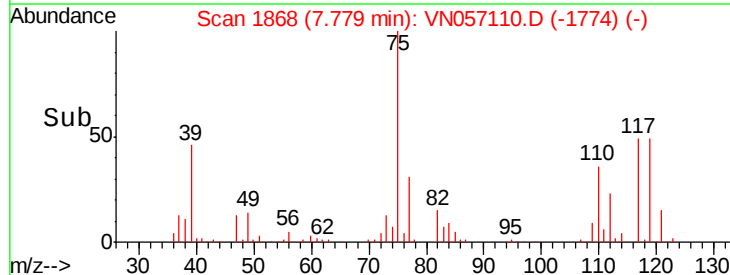
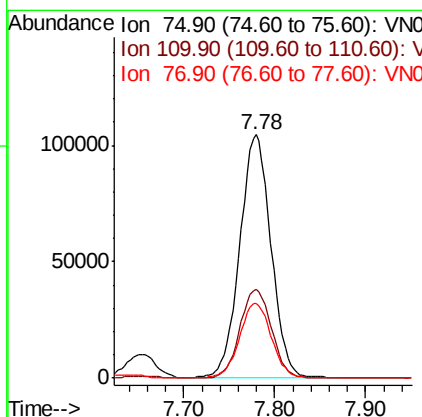
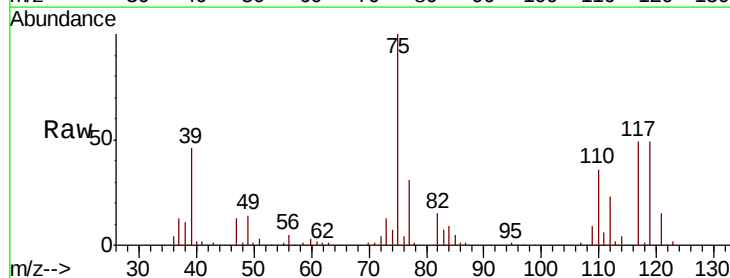
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

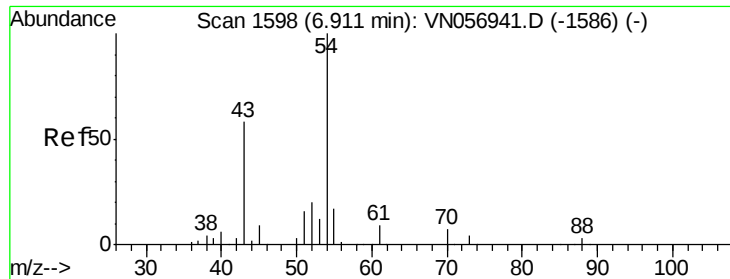
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	23.4	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 49.751 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.6	55.8
77	31.5	25.2	37.8

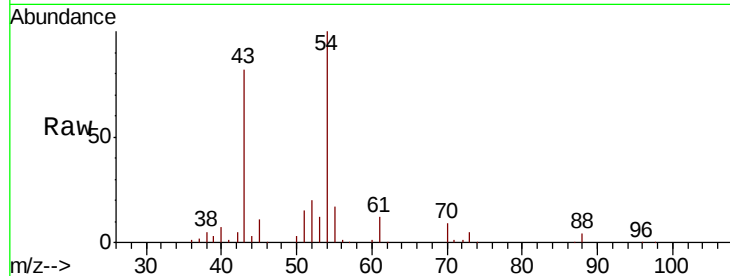




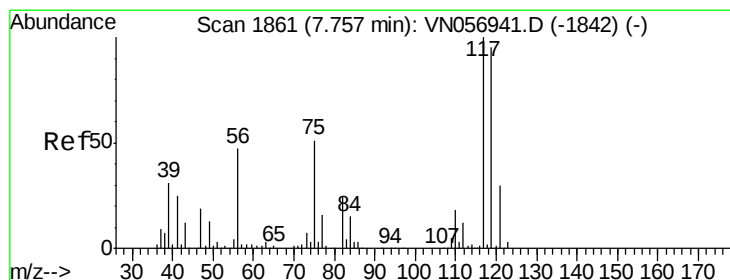
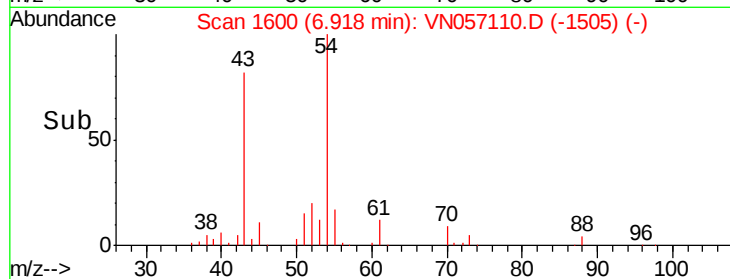
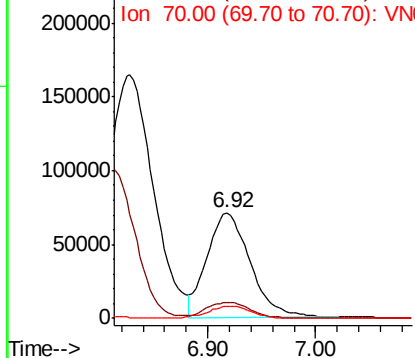
#37
 Ethyl Acetate
 Concen: 49.344 ug/l
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 197628
 Ion Ratio Lower Upper
 43 100
 61 15.8 11.8 17.6
 70 11.5 8.5 12.7

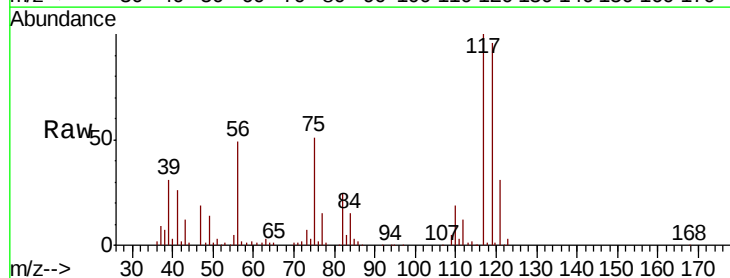


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

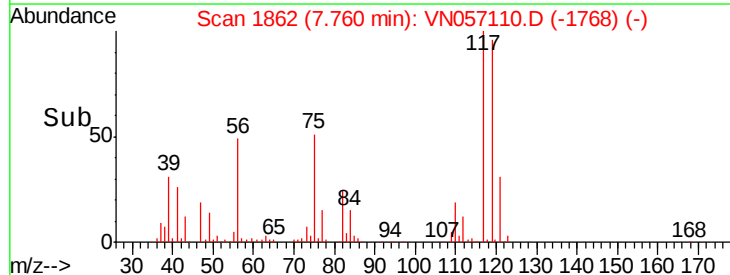
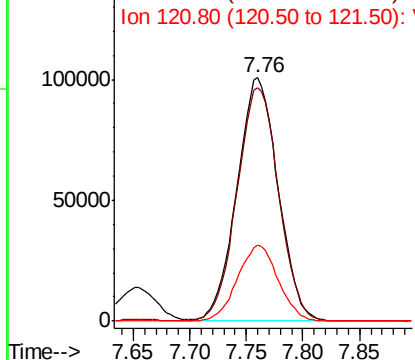


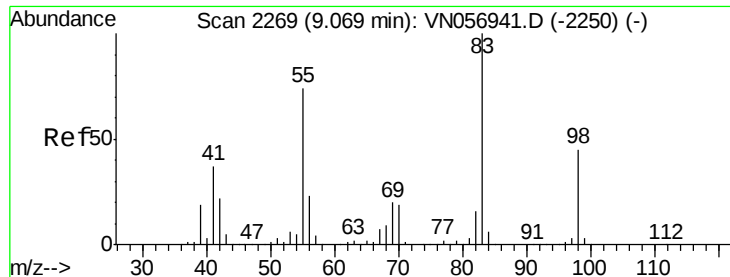
#38
 Carbon Tetrachloride
 Concen: 53.931 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 117 Resp: 255100
 Ion Ratio Lower Upper
 117 100
 119 95.9 75.3 112.9
 121 31.4 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

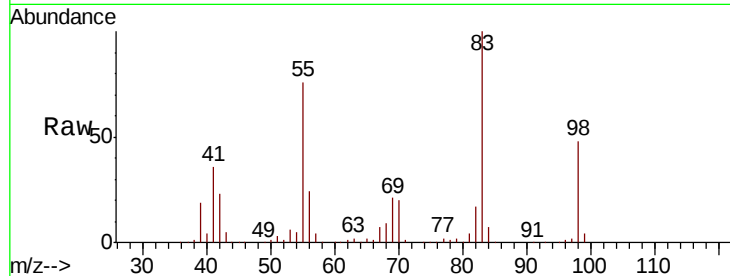




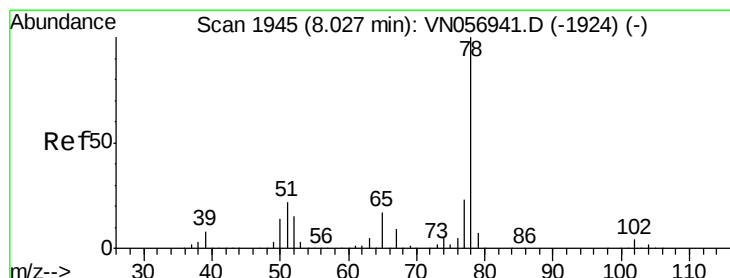
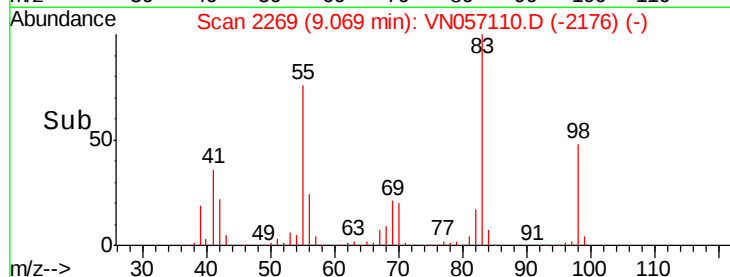
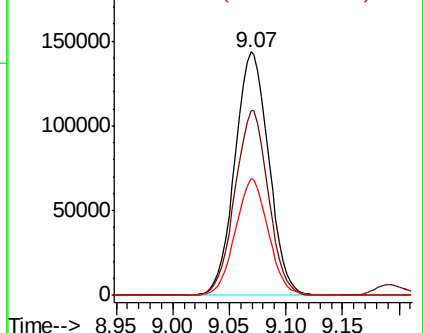
#39
Methylcyclohexane
Concen: 46.856 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 299473
Ion Ratio Lower Upper
83 100
55 75.9 59.0 88.6
98 47.9 36.2 54.4

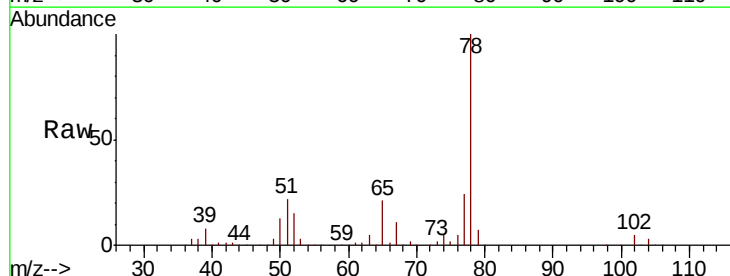


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

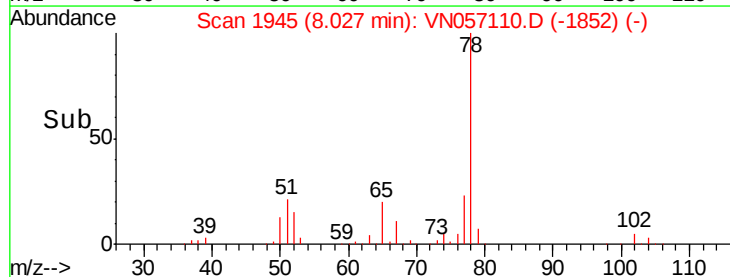
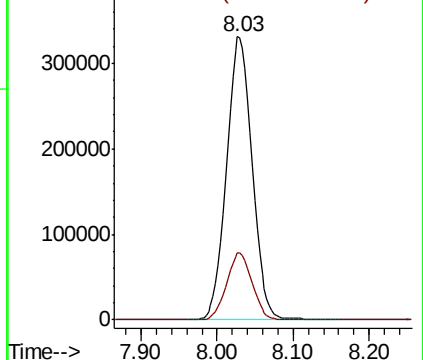


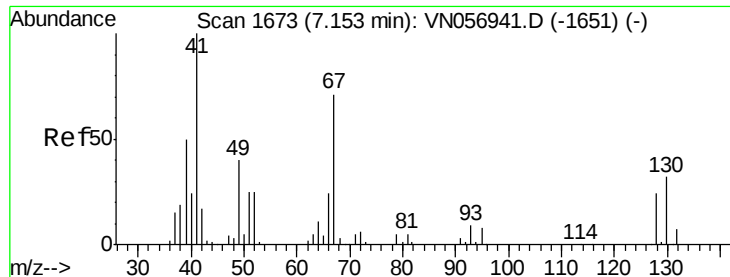
#40
Benzene
Concen: 50.608 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 78 Resp: 779473
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5



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

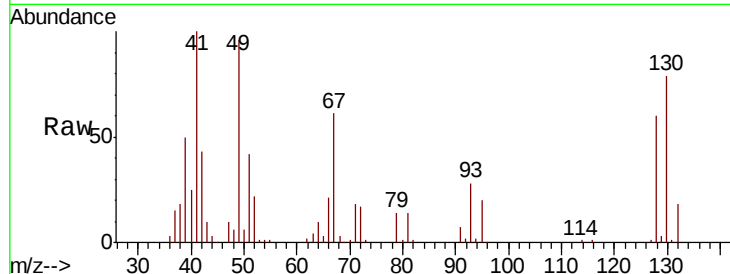




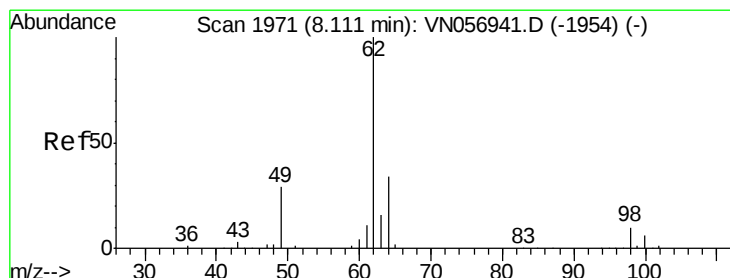
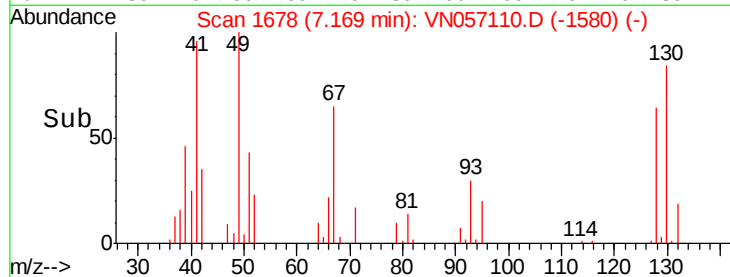
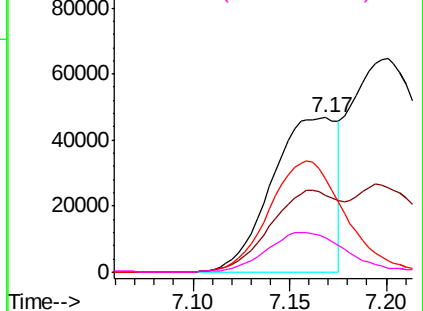
#41
Methacrylonitrile
Concen: 59.564 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.02 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 110283
Ion Ratio Lower Upper
41 100
39 56.0 48.9 73.3
67 83.5 83.4 125.0
52 31.9 30.9 46.3

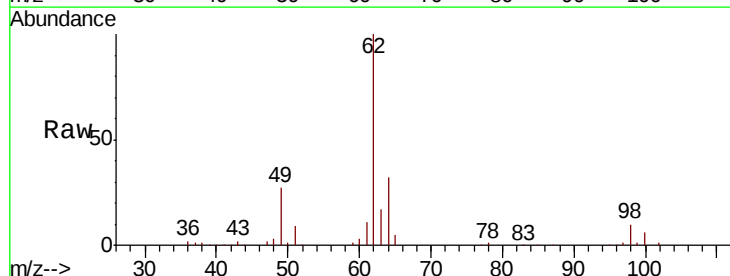


Abundance Ion 41.00 (40.70 to 41.70): VNO
100000 Ion 39.00 (38.70 to 39.70): VNO
80000 Ion 67.00 (66.70 to 67.70): VNO
60000 Ion 52.00 (51.70 to 52.70): VNO
40000
20000
0

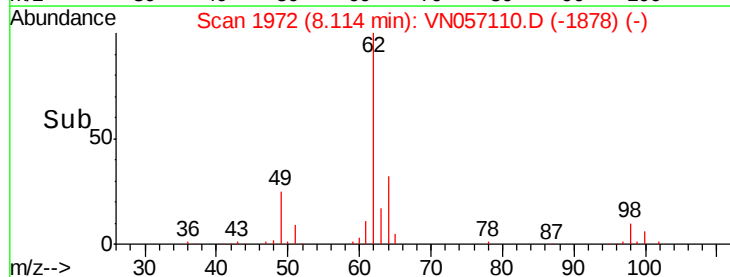
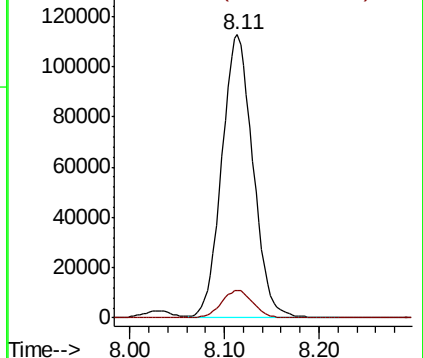


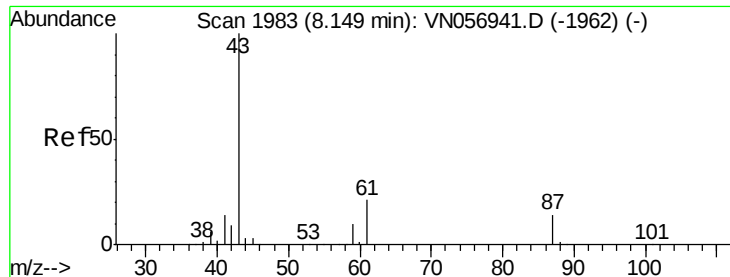
#42
1,2-Dichloroethane
Concen: 53.394 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 62 Resp: 257743
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
120000 Ion 97.90 (97.60 to 98.60): VNO
100000
80000
60000
40000
20000
0





#43

Isopropyl Acetate

Concen: 53.258 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

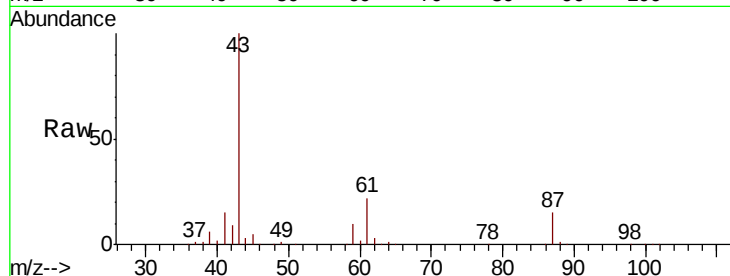
Tgt Ion: 43 Resp: 352550

Ion Ratio Lower Upper

43 100

61 20.4 23.0 34.6#

87 14.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)

8.16

200000

150000

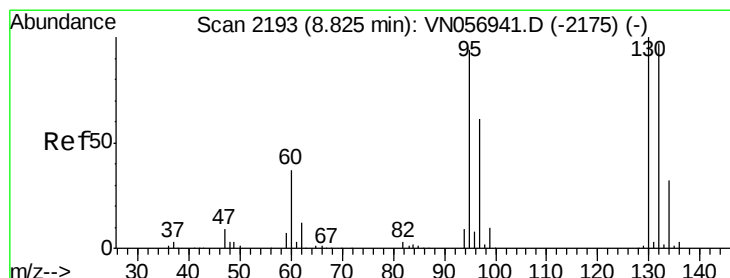
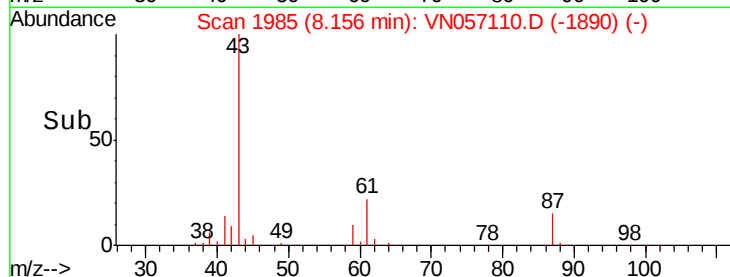
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 50.942 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057110.D

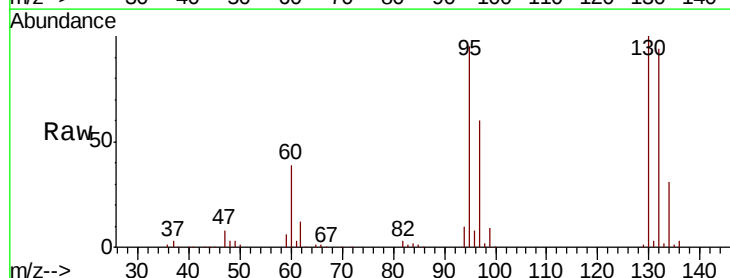
Acq: 6 Aug 2019 17:59

Tgt Ion: 130 Resp: 216161

Ion Ratio Lower Upper

130 100

95 95.0 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

8.82

120000

100000

80000

60000

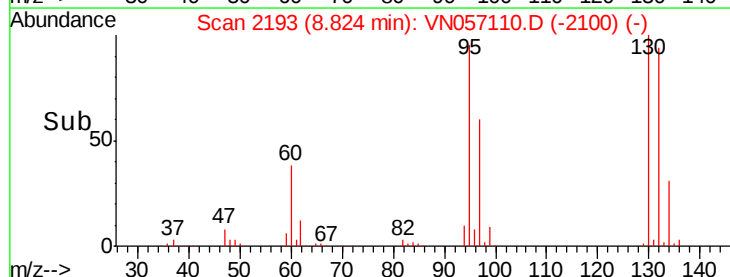
40000

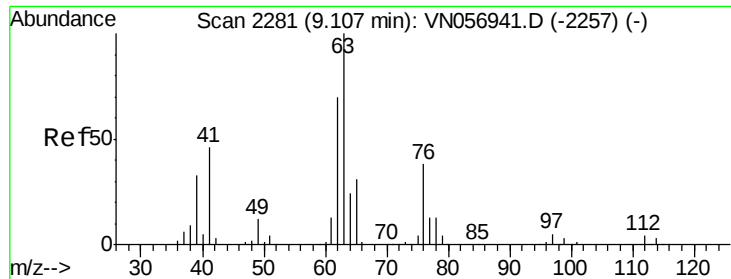
20000

0

8.75 8.80 8.85 8.90

Time-->

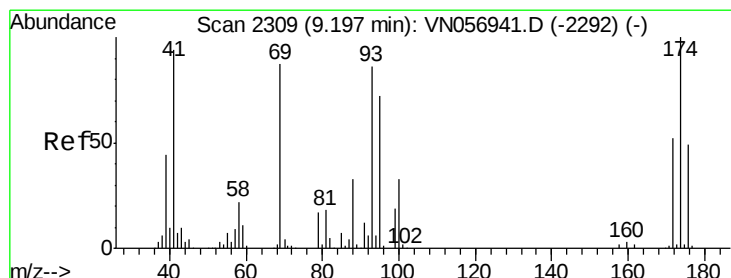
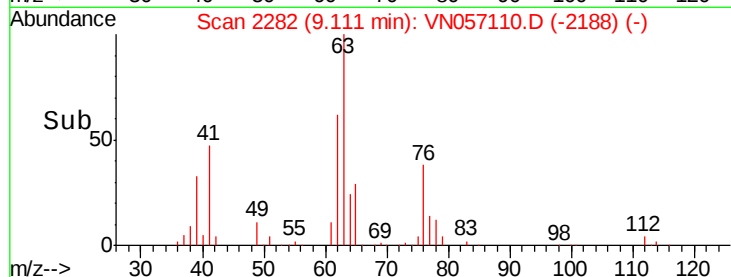
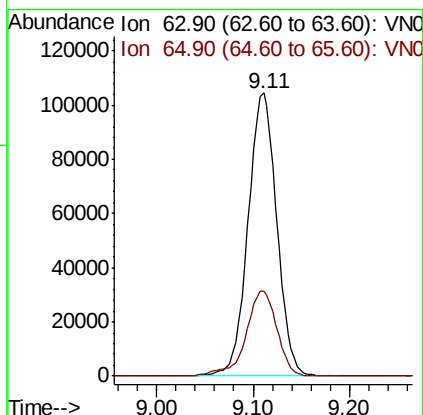
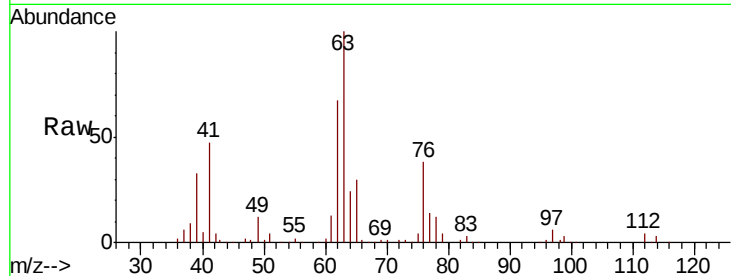




#45
 1,2-Dichloropropane
 Concen: 52.294 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

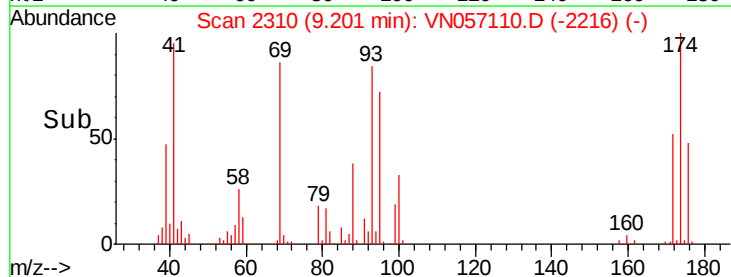
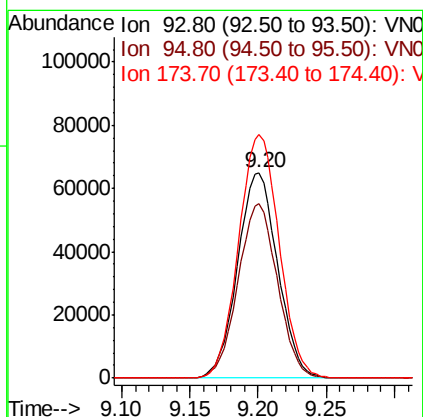
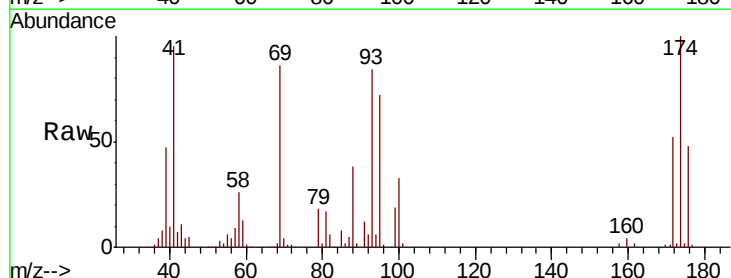
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

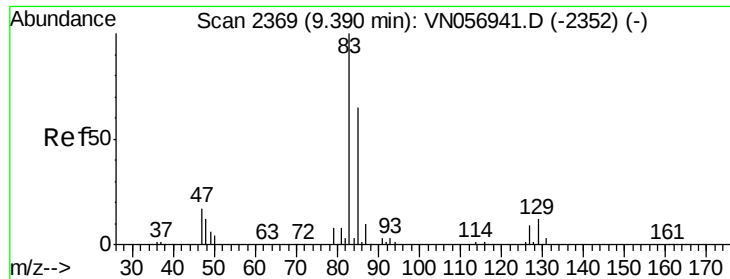
Tgt Ion: 63 Resp: 215439
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2



#46
 Dibromomethane
 Concen: 53.390 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 93 Resp: 132648
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 120.1 92.7 139.1





#47

Bromodichloromethane

Concen: 54.689 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

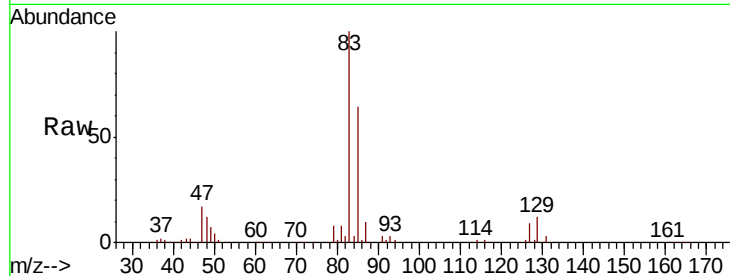
Tgt Ion: 83 Resp: 267145

Ion Ratio Lower Upper

83 100

85 64.0 51.6 77.4

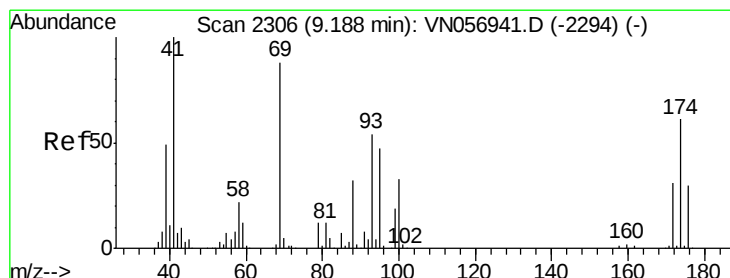
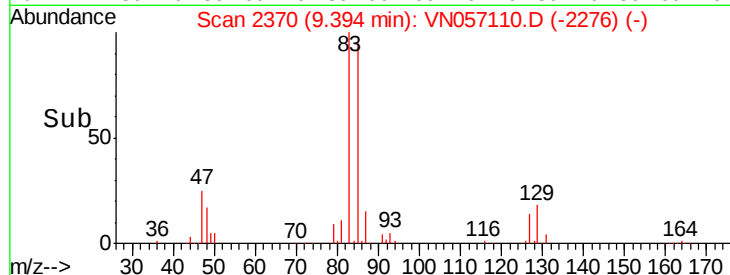
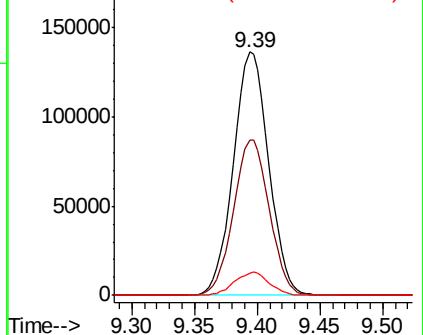
127 9.2 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN057110.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN057110.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN057110.D (-2276) (-)



#48

Methyl methacrylate

Concen: 52.786 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

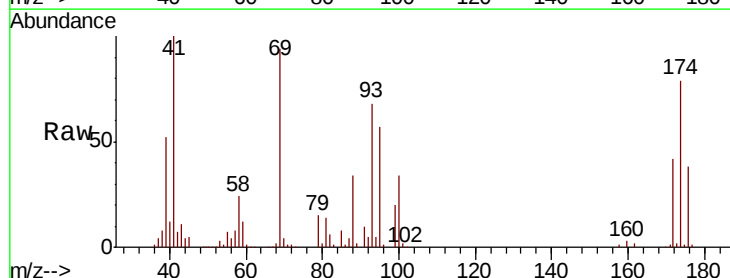
Tgt Ion: 41 Resp: 168702

Ion Ratio Lower Upper

41 100

69 92.4 73.4 110.0

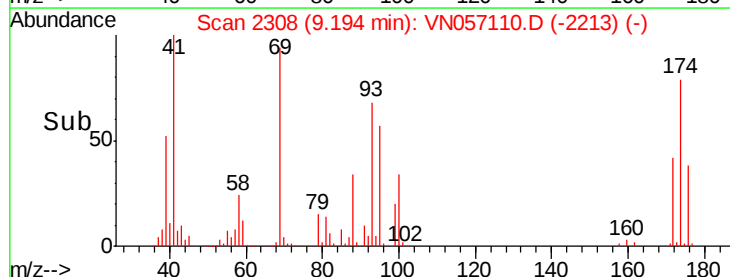
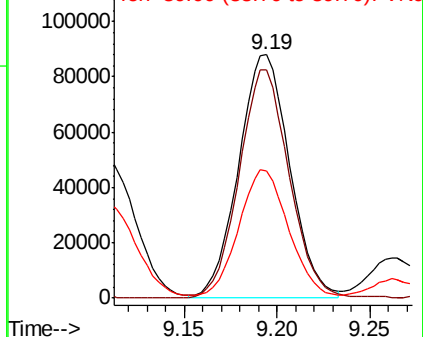
39 51.8 39.9 59.9

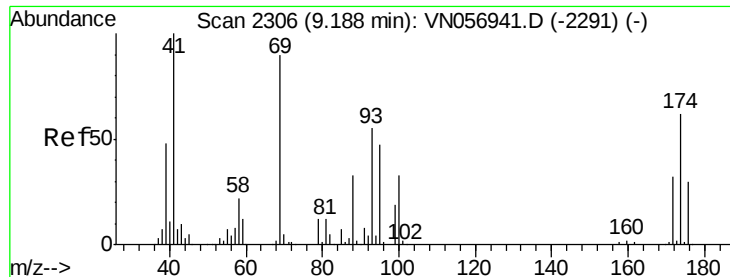


Abundance Ion 41.00 (40.70 to 41.70): VN057110.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN057110.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN057110.D (-2213) (-)

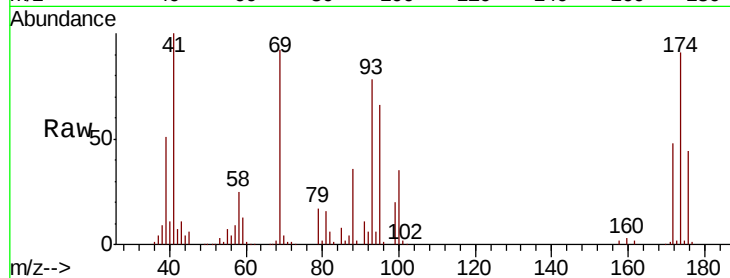




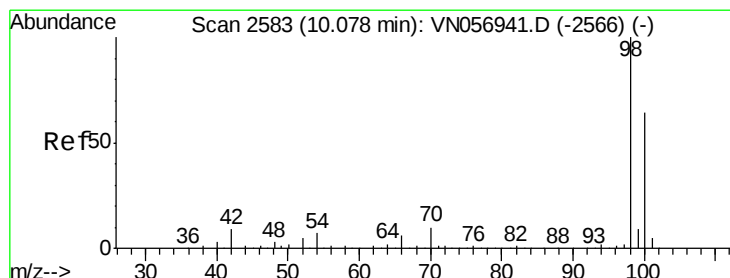
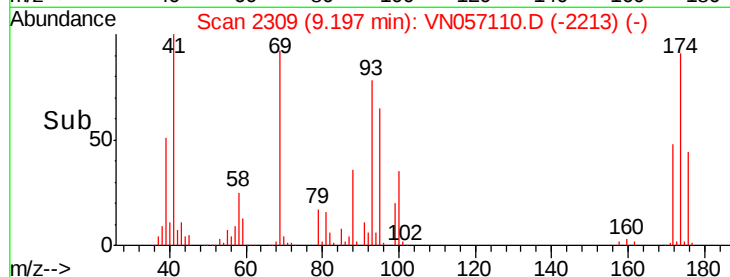
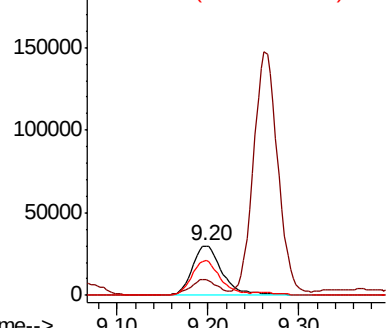
#49
1,4-Dioxane
Concen: 1058.904 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 69742
Ion Ratio Lower Upper
88 100
43 27.4 22.2 33.2
58 65.7 54.1 81.1

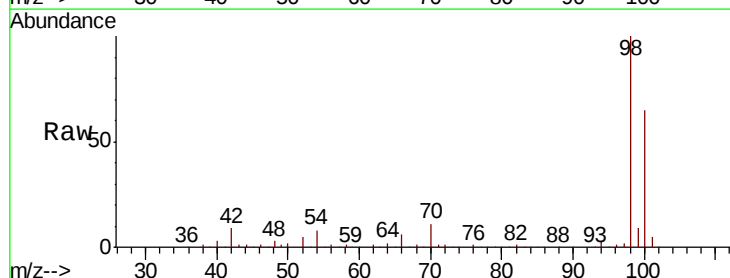


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

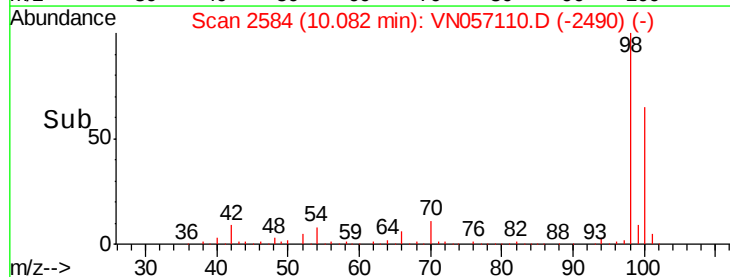
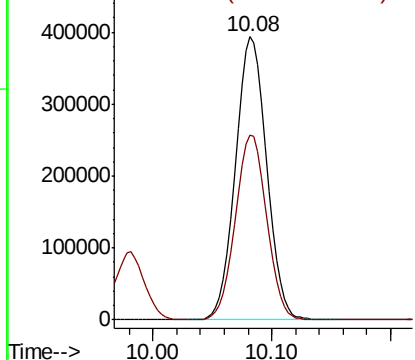


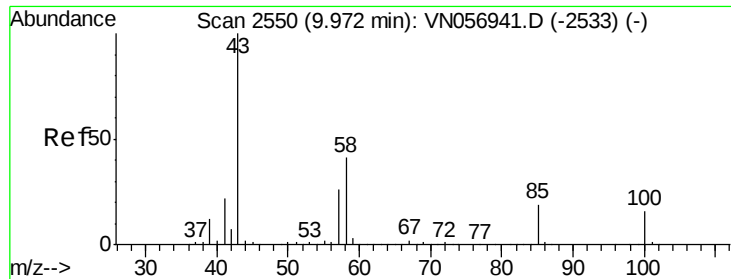
#50
Toluene-d8
Concen: 51.539 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 98 Resp: 715036
Ion Ratio Lower Upper
98 100
100 65.5 51.3 76.9



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

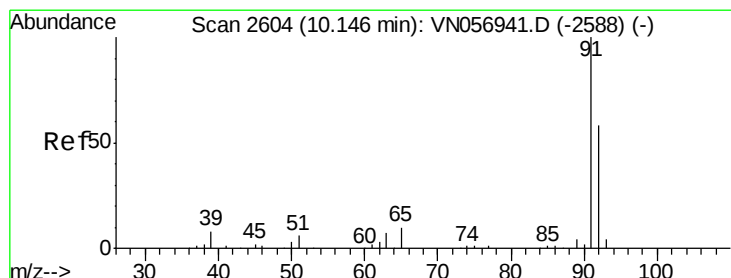
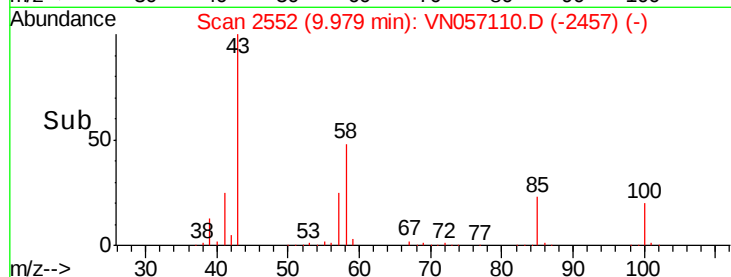
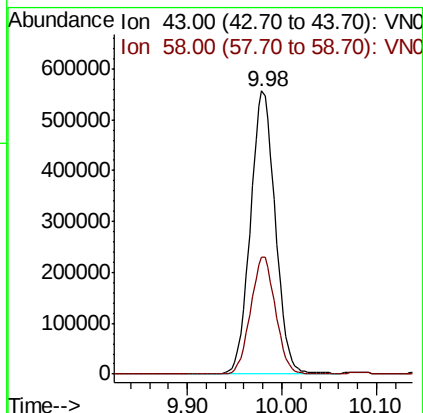
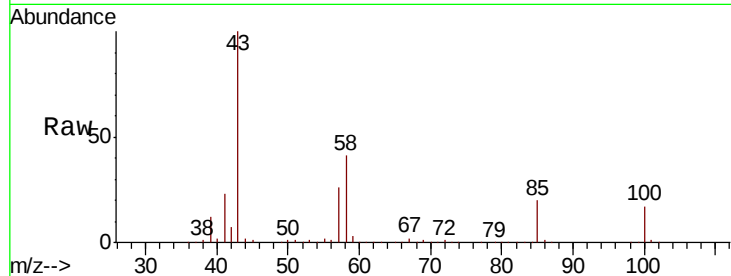




#51
 4-Methyl-2-Pentanone
 Concen: 257.744 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.01 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

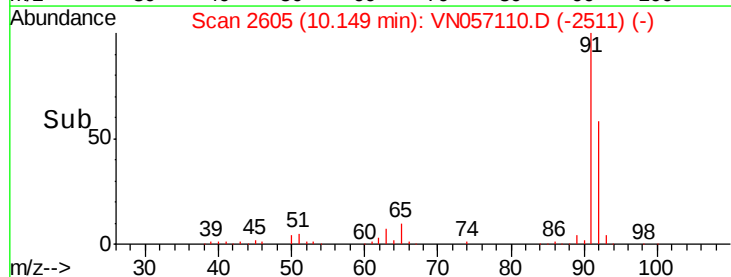
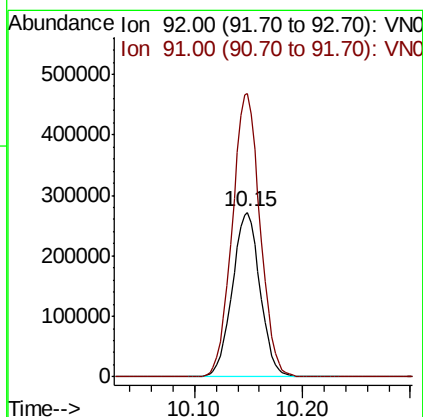
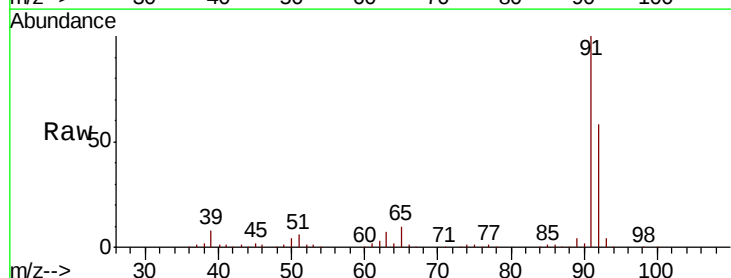
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

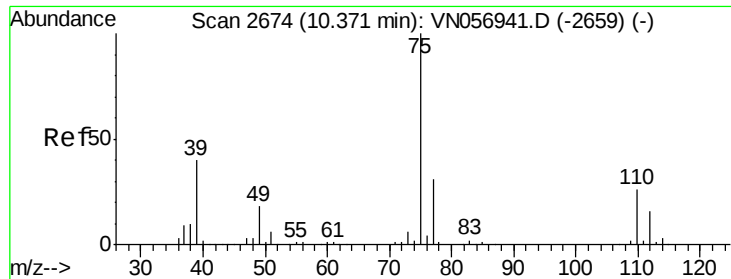
Tgt Ion: 43 Resp: 1013757
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.1 49.7



#52
 Toluene
 Concen: 52.778 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 92 Resp: 488399
 Ion Ratio Lower Upper
 92 100
 91 172.5 138.0 207.0

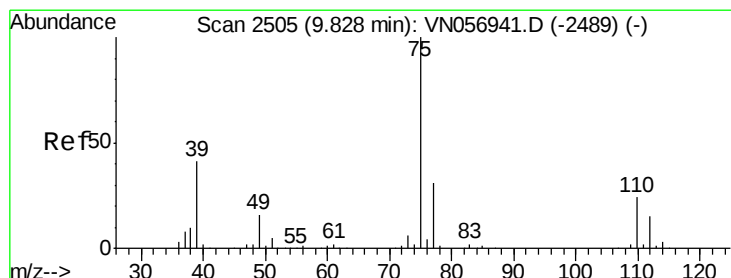
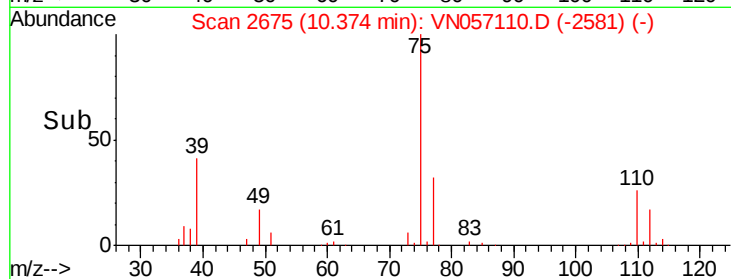
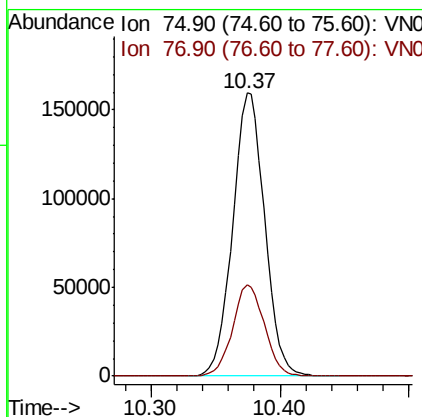
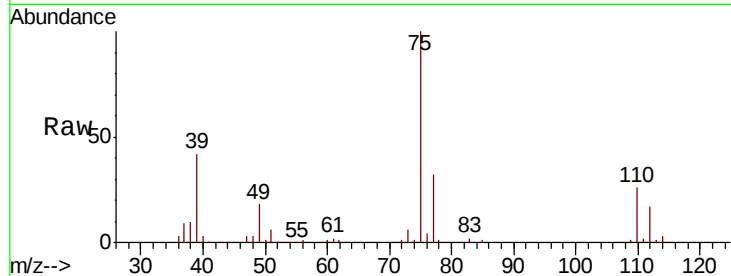




#53
 t-1,3-Dichloropropene
 Concen: 54.227 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

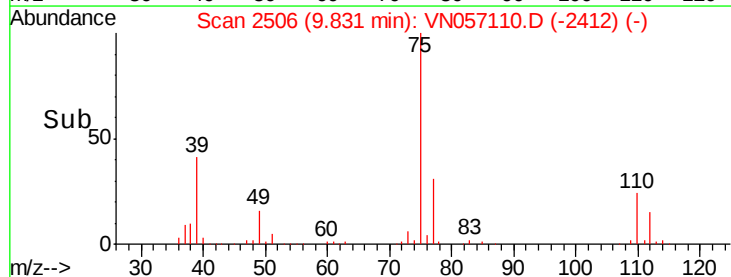
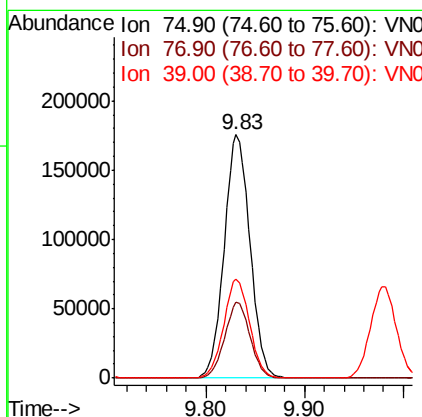
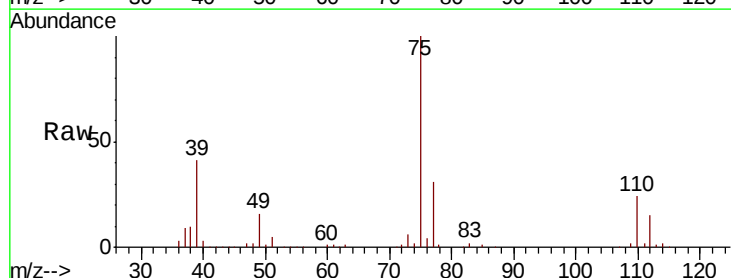
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

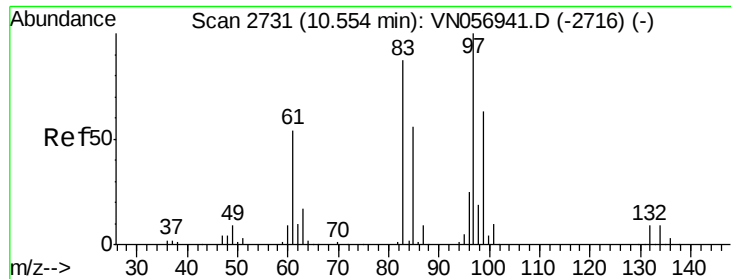
Tgt Ion: 75 Resp: 274877
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 54.663 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 75 Resp: 322176
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.6
 39 40.8 32.6 49.0

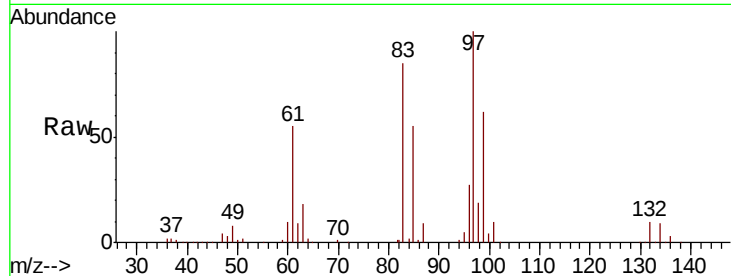




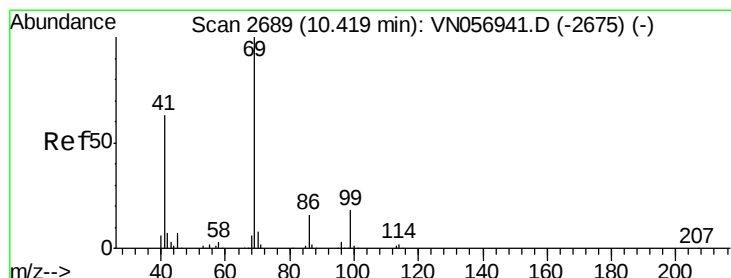
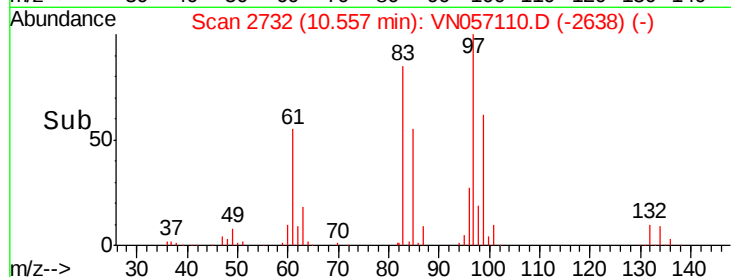
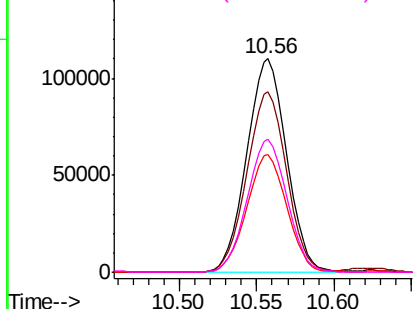
#55
 1,1,2-Trichloroethane
 Concen: 53.302 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	197808
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.4	104.0
85	55.2	44.7	67.1
99	62.2	50.1	75.1

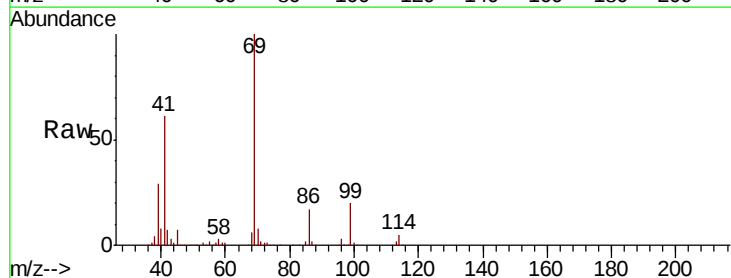


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

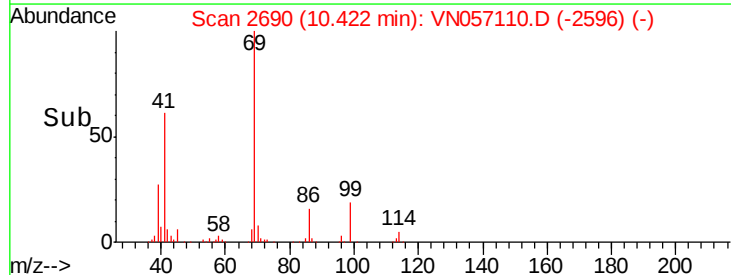
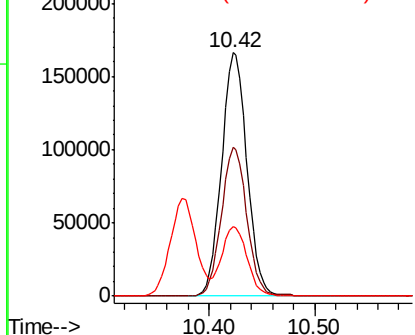


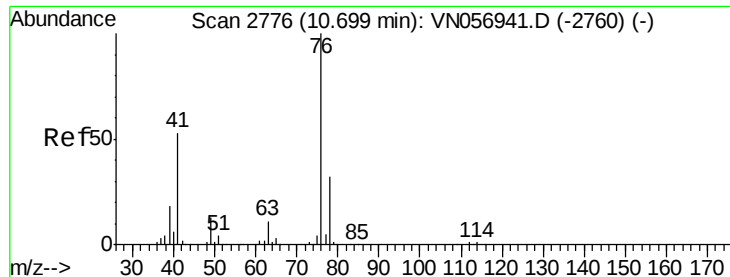
#56
 Ethyl methacrylate
 Concen: 49.511 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion:	69	Resp:	277379
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.2	73.8
39	28.7	23.1	34.7



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





#57

1,3-Dichloropropane

Concen: 53.118 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

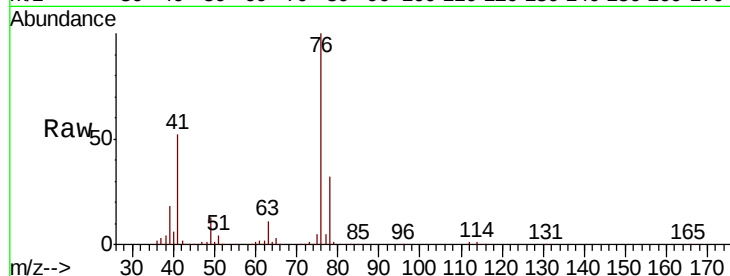
VSTDCCC050EC

Tgt Ion: 76 Resp: 326876

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN057110.D (-2683) (-)

Ion 77.90 (77.60 to 78.60): VN057110.D (-2683) (-)

10.70

200000

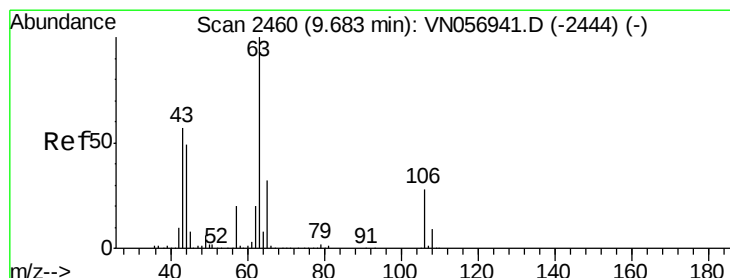
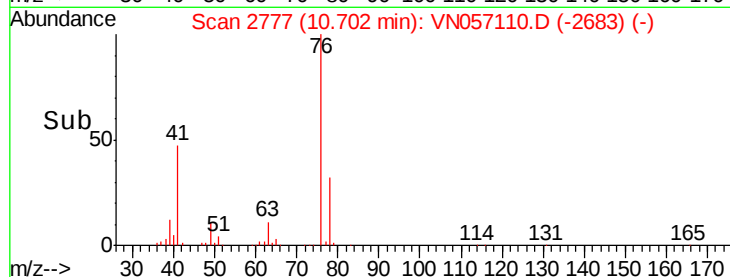
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 199.908 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN057110.D

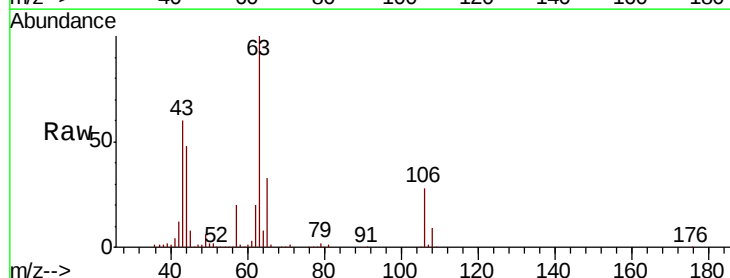
Acq: 6 Aug 2019 17:59

Tgt Ion: 63 Resp: 444569

Ion Ratio Lower Upper

63 100

106 28.4 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VN057110.D (-2367) (-)

Ion 105.90 (105.60 to 106.60): VN057110.D (-2367) (-)

9.69

250000

200000

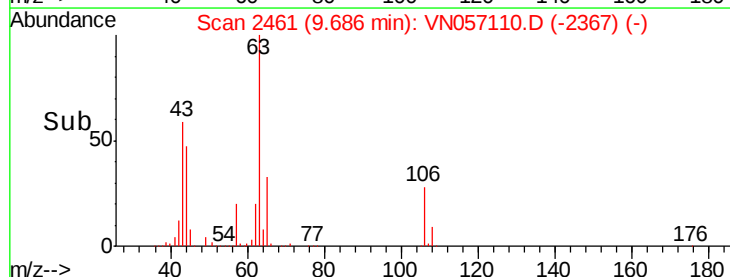
150000

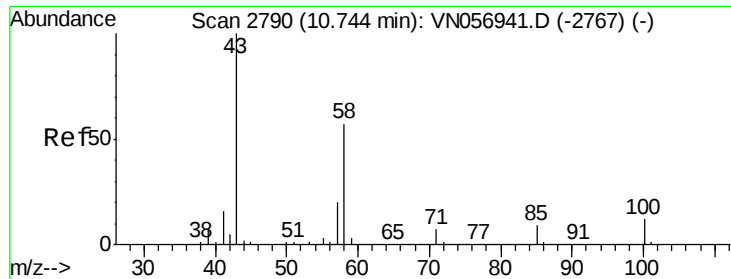
100000

50000

0

Time--> 9.60 9.65 9.70 9.75

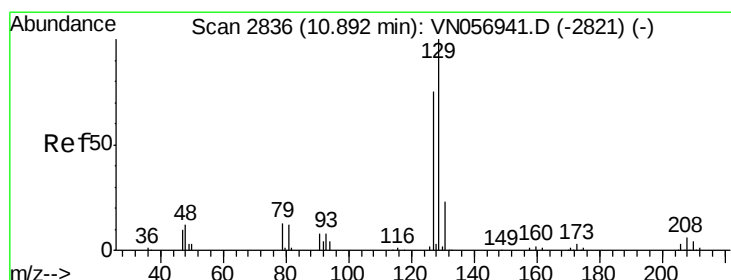
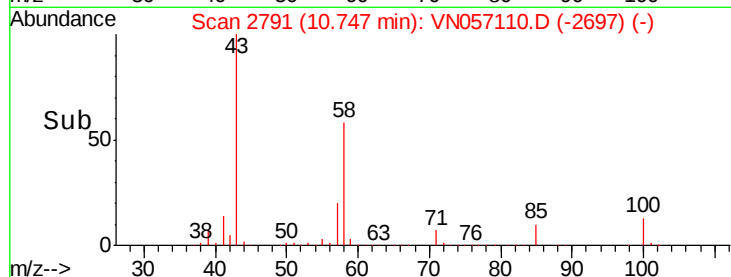
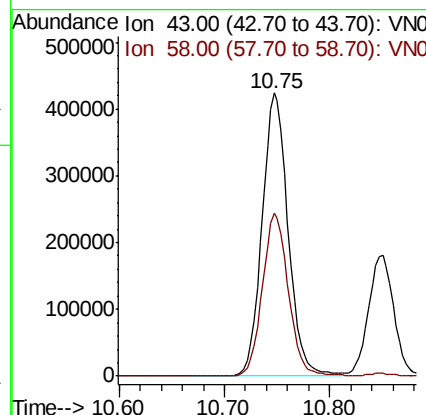
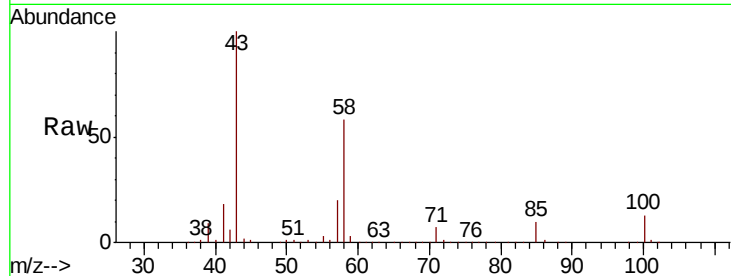




#59
2-Hexanone
Concen: 240.300 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

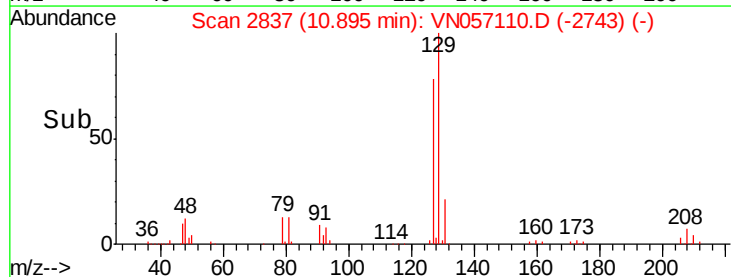
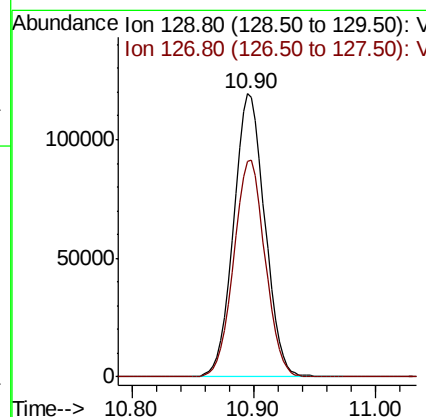
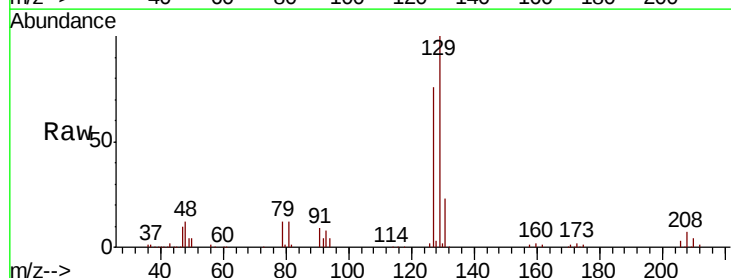
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

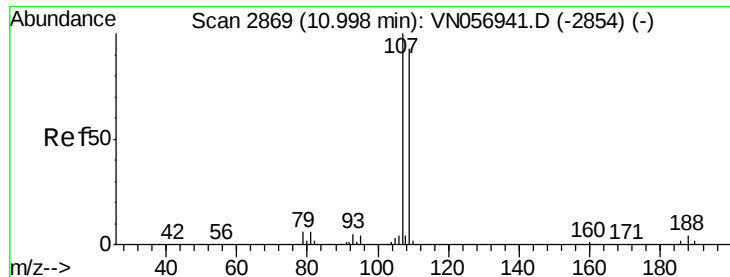
Tgt Ion: 43 Resp: 727556
Ion Ratio Lower Upper
43 100
58 57.7 28.5 85.5



#60
Dibromochloromethane
Concen: 55.922 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 129 Resp: 212620
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

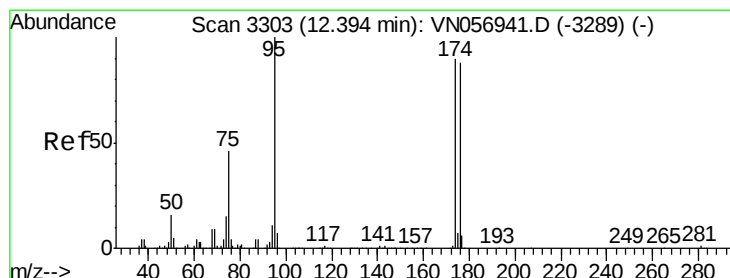
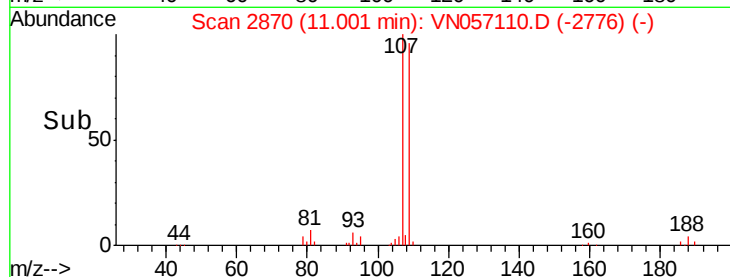
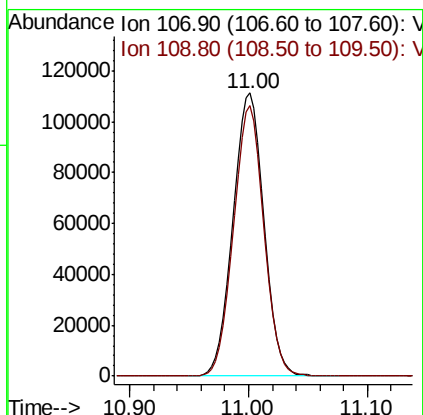
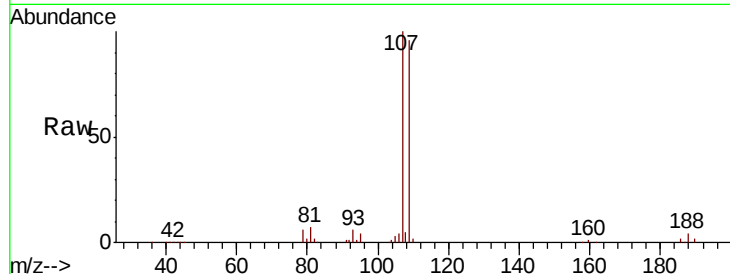




#61
 1,2-Dibromoethane
 Concen: 55.241 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

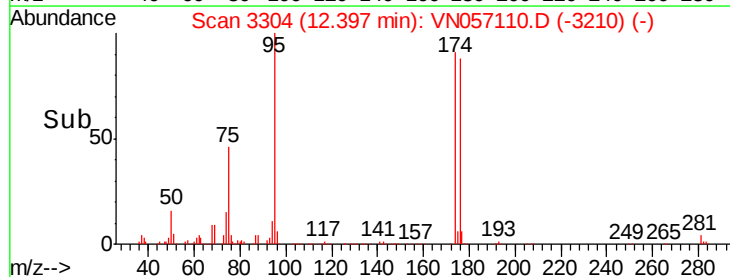
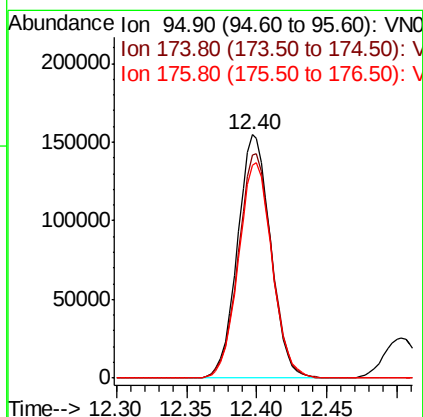
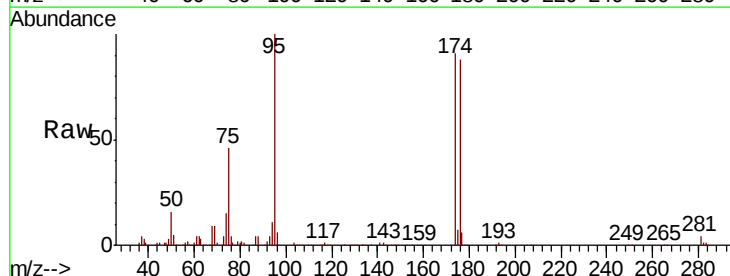
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

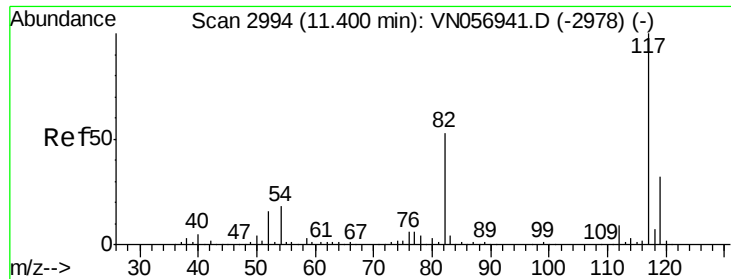
Tgt Ion: 107 Resp: 200061
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 56.323 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 95 Resp: 254383
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 182.2
 176 89.9 0.0 179.4

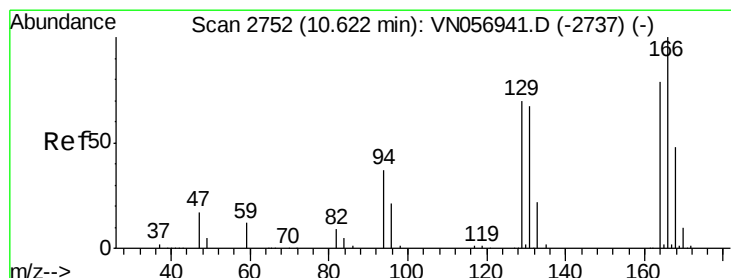
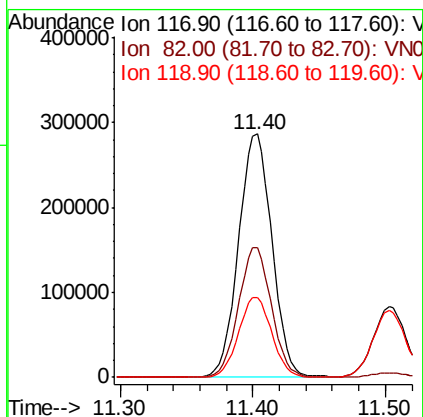
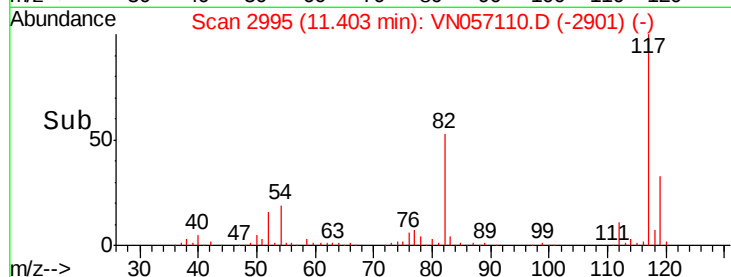
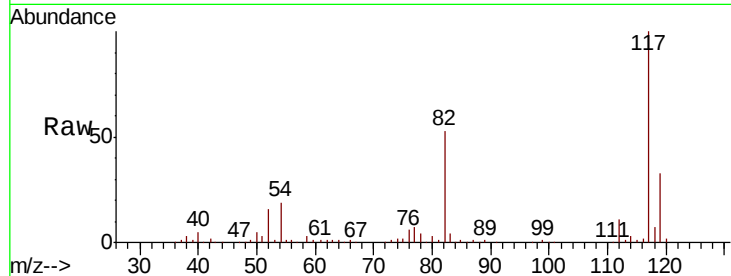




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

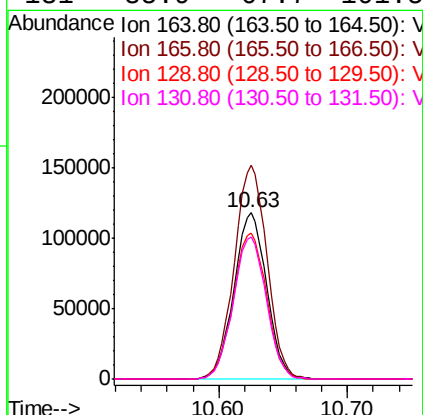
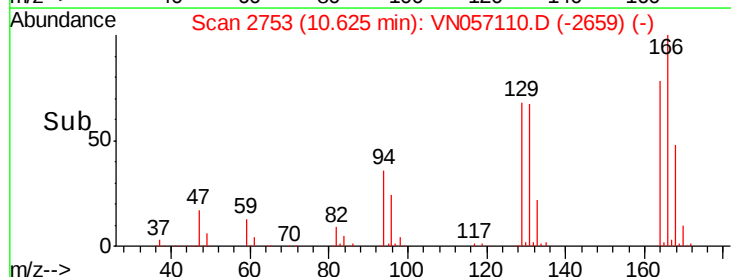
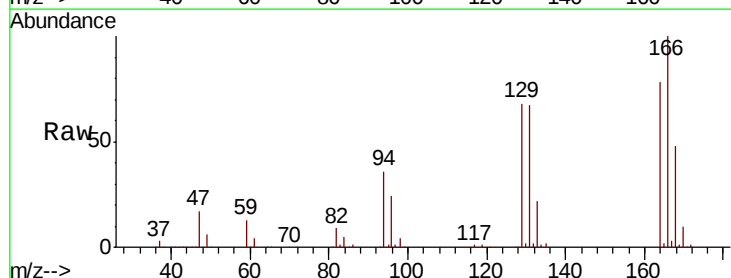
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

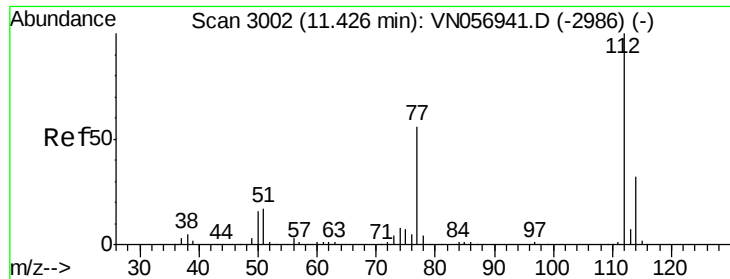
Tgt Ion:117 Resp: 501979
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 33.0 25.8 38.6



#64
Tetrachloroethene
Concen: 48.072 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion:164 Resp: 207949
Ion Ratio Lower Upper
164 100
166 128.6 101.1 151.7
129 87.8 70.9 106.3
131 85.9 67.7 101.5

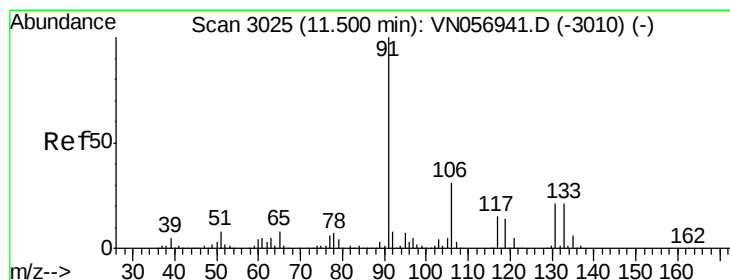
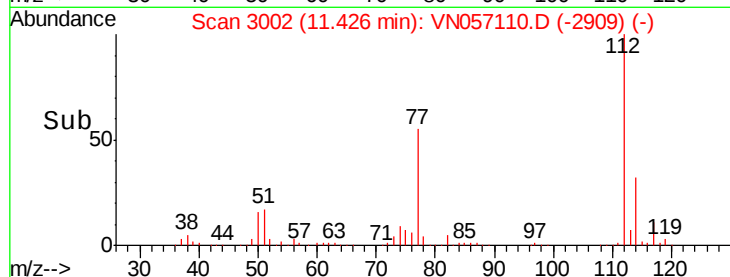
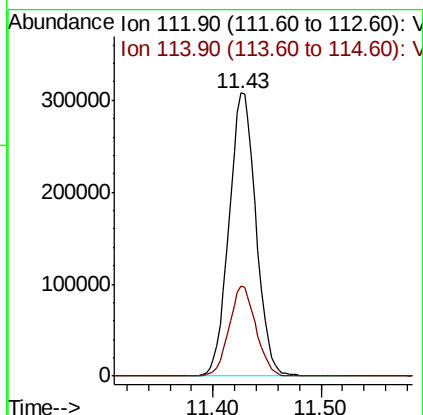
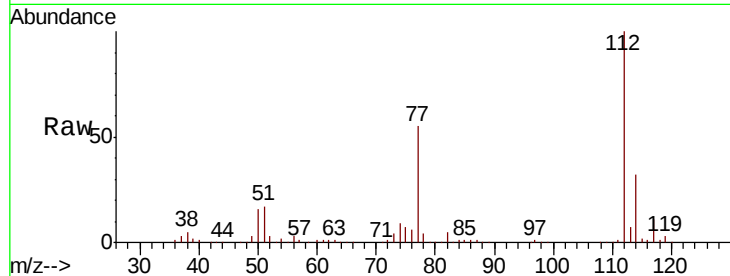




#65
Chlorobenzene
Concen: 52.389 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

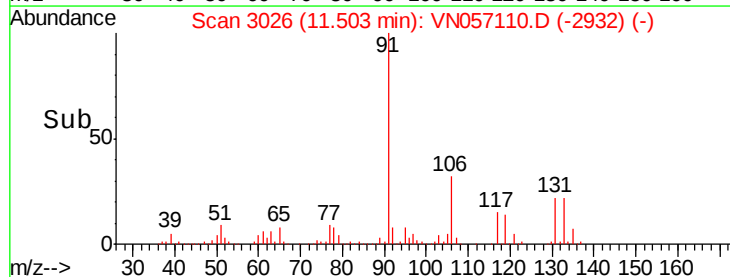
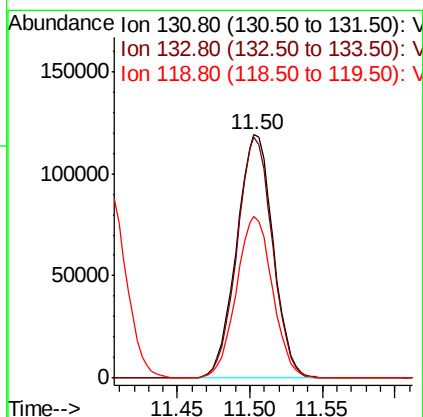
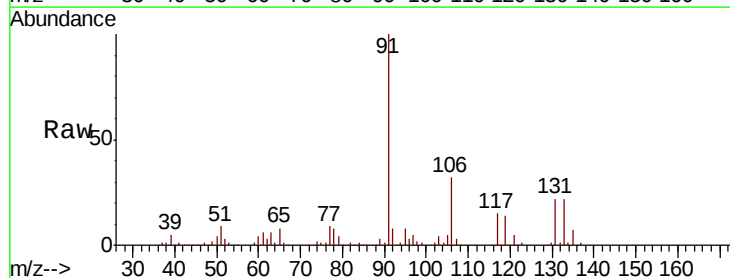
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

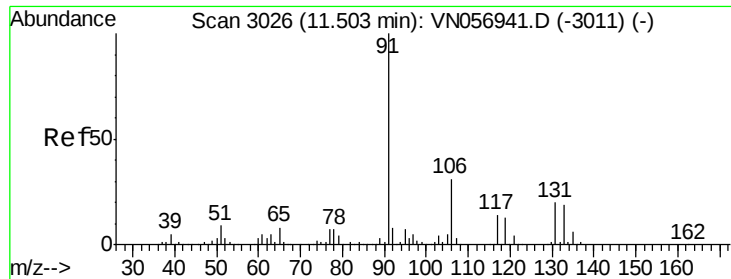
Tgt Ion:112 Resp: 535992
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.045 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion:131 Resp: 208116
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 65.9 33.2 99.6

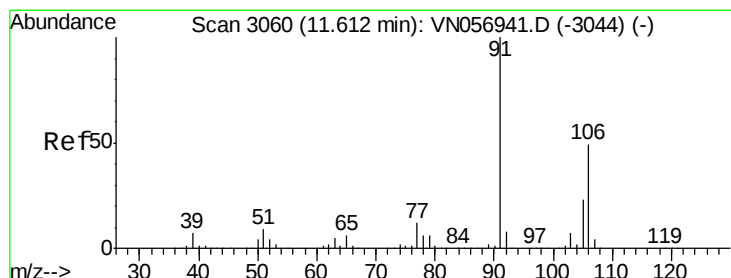
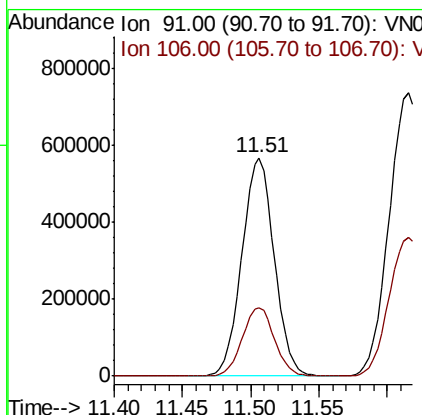
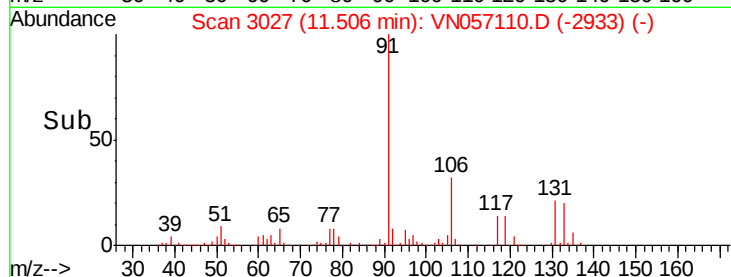
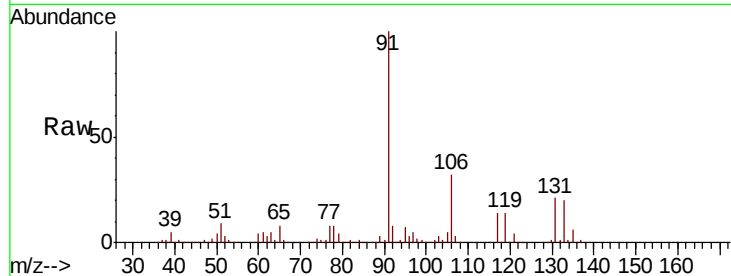




#67
Ethyl Benzene
Concen: 52.664 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

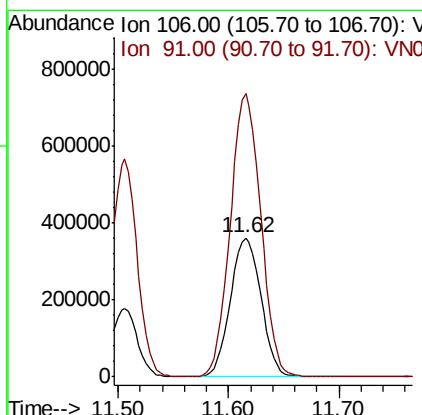
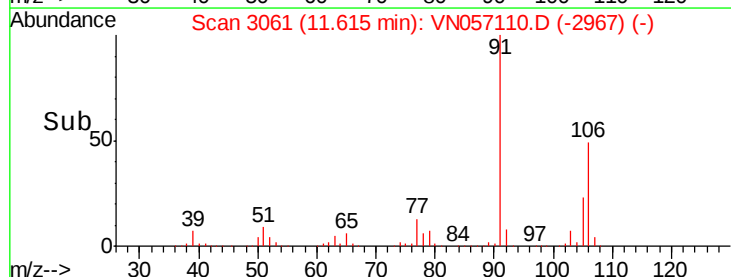
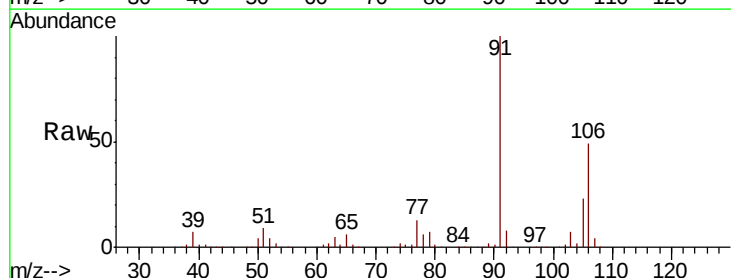
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

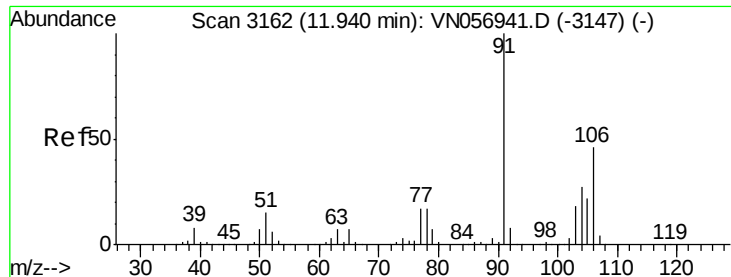
Tgt Ion: 91 Resp: 931226
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 106.949 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 106 Resp: 697928
Ion Ratio Lower Upper
106 100
91 201.9 160.0 240.0

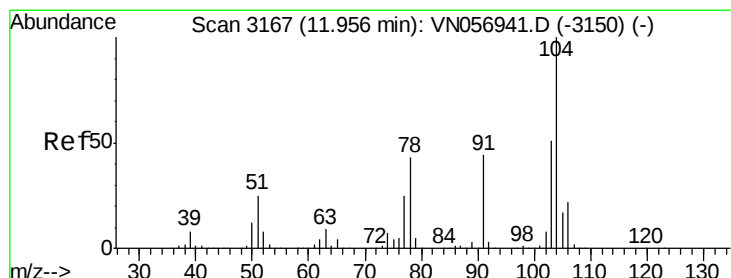
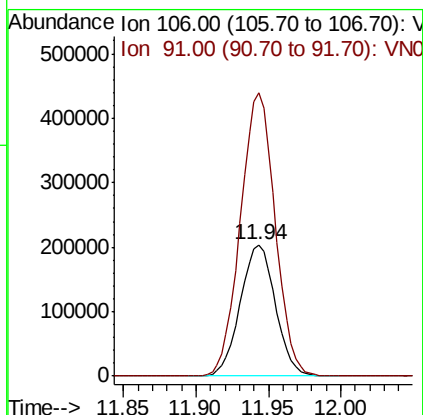
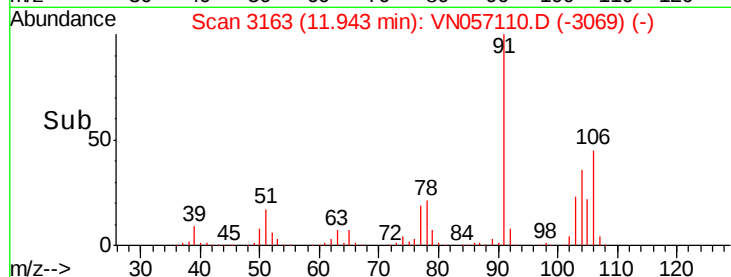
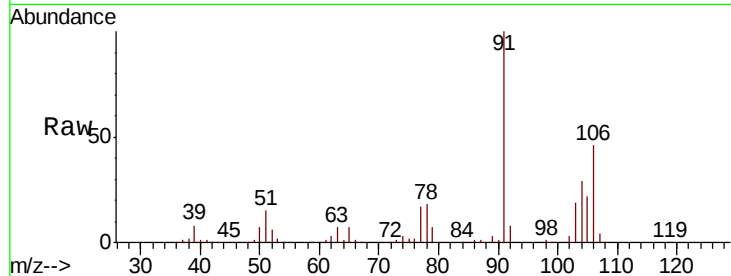




#69
o-Xylene
Concen: 53.751 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

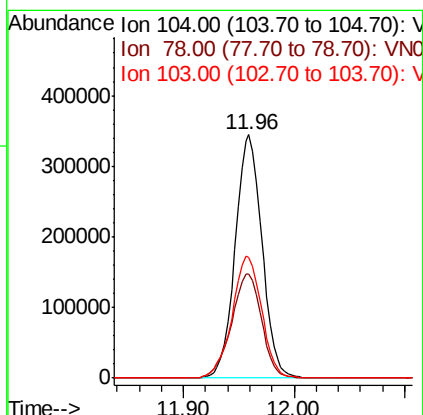
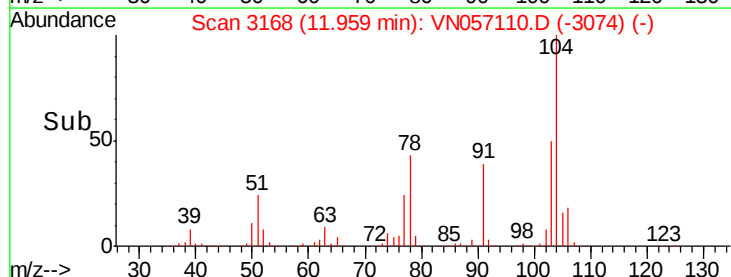
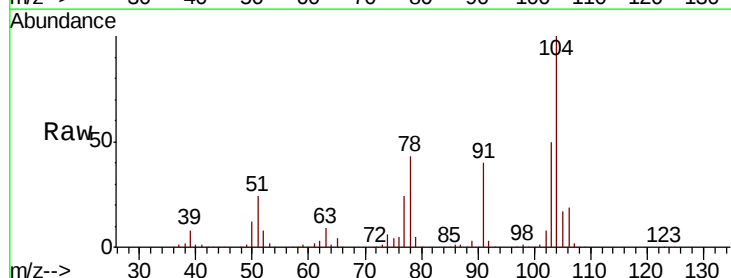
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

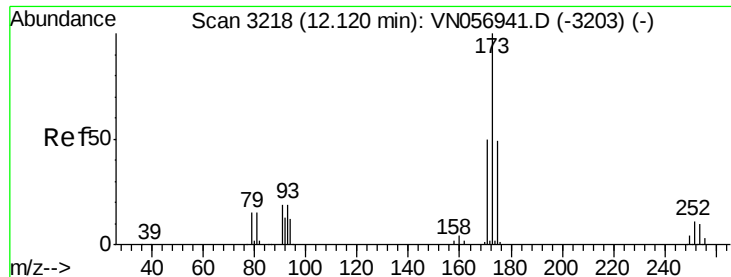
Tgt Ion:106 Resp: 343174
Ion Ratio Lower Upper
106 100
91 213.3 106.2 318.6



#70
Styrene
Concen: 51.403 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion:104 Resp: 580683
Ion Ratio Lower Upper
104 100
78 47.8 38.1 57.1
103 55.1 44.3 66.5





#71

Bromoform

Concen: 58.251 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

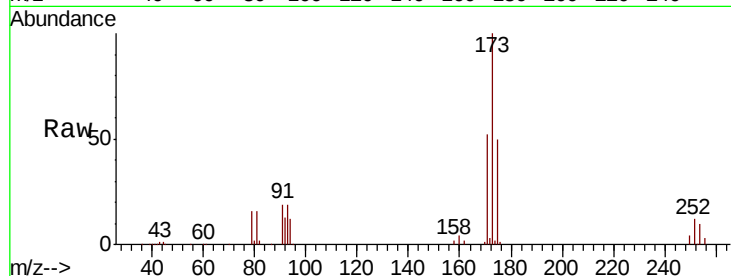
Tgt Ion:173 Resp: 156609

Ion Ratio Lower Upper

173 100

175 49.8 24.1 72.4

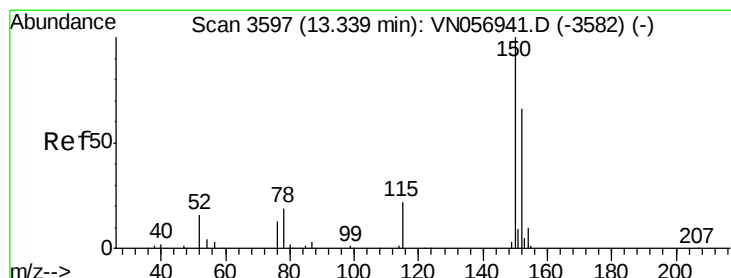
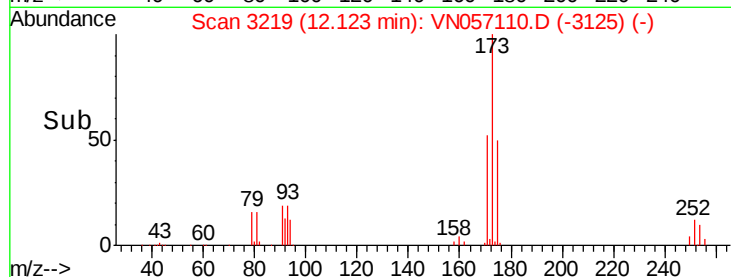
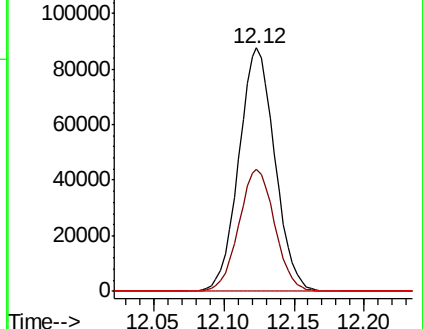
254 0.1 0.1 0.1#



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: VN057110.D

Acq: 6 Aug 2019 17:59

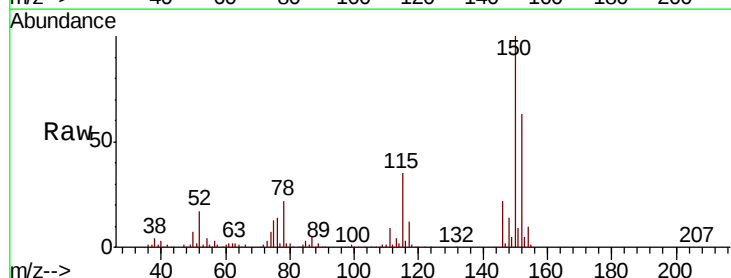
Tgt Ion:152 Resp: 227091

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.6

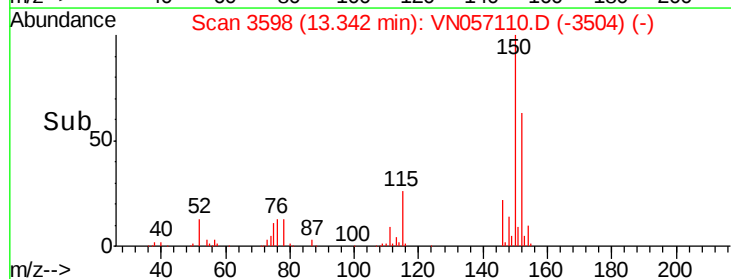
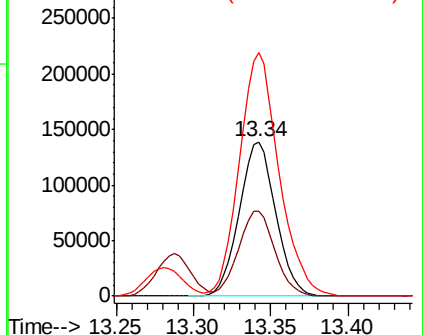
150 171.7 0.0 349.4

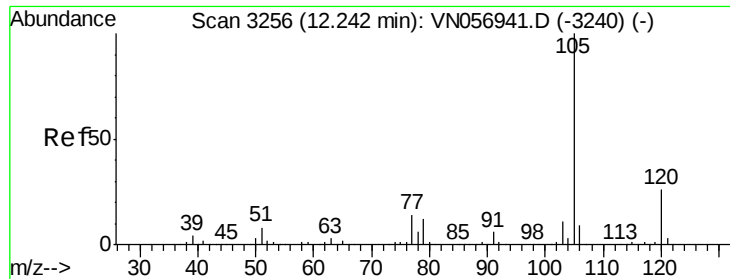


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.258 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

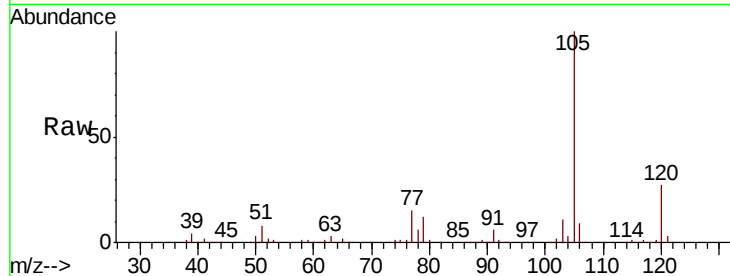
VSTDCCC050EC

Tgt Ion: 105 Resp: 927502

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

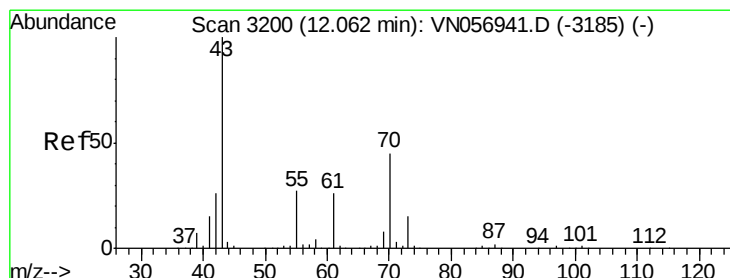
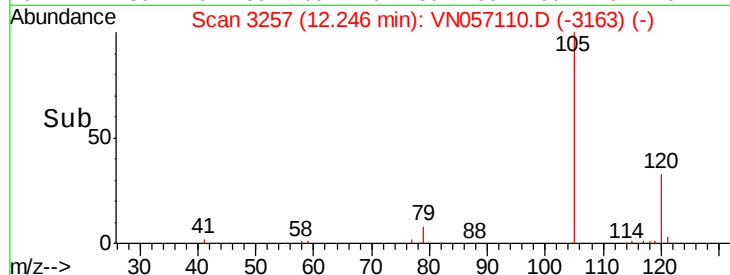
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 51.711 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion: 43 Resp: 294685

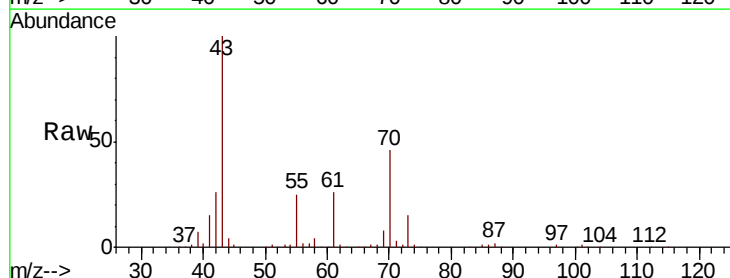
Ion Ratio Lower Upper

43 100

70 46.8 36.5 54.7

55 26.3 21.4 32.0

61 26.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

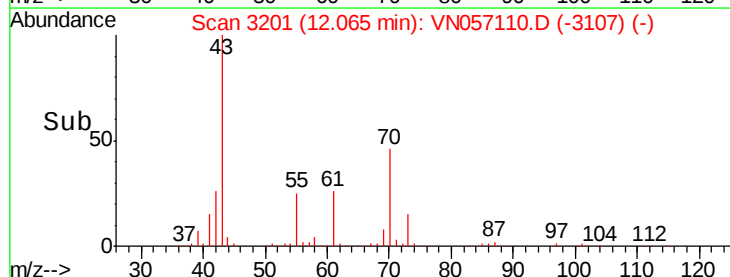
150000

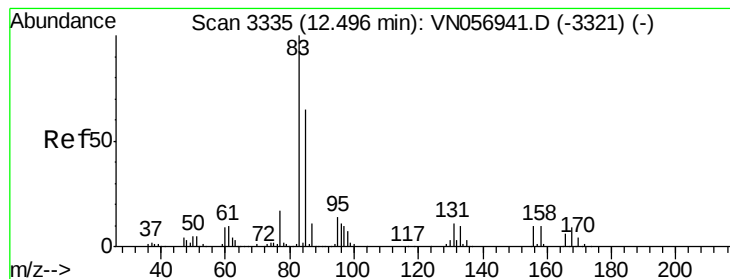
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 56.036 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

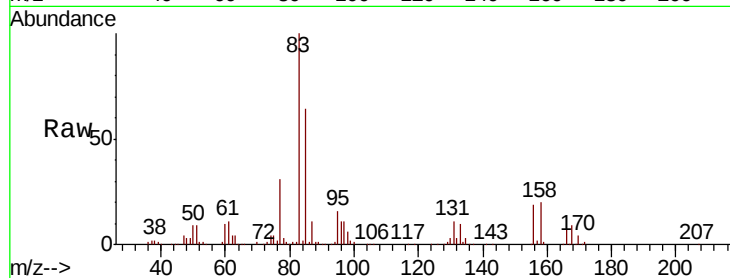
Tgt Ion: 83 Resp: 276447

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

85 64.4 32.5 97.4

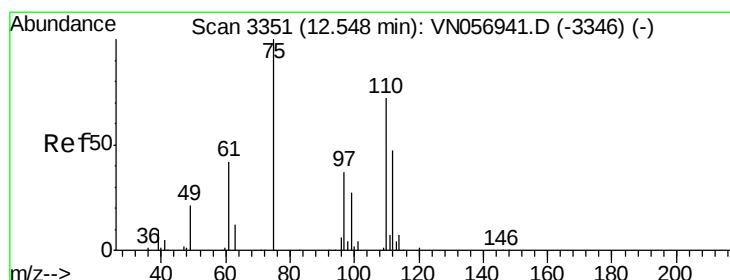
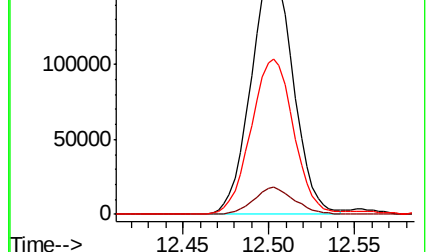
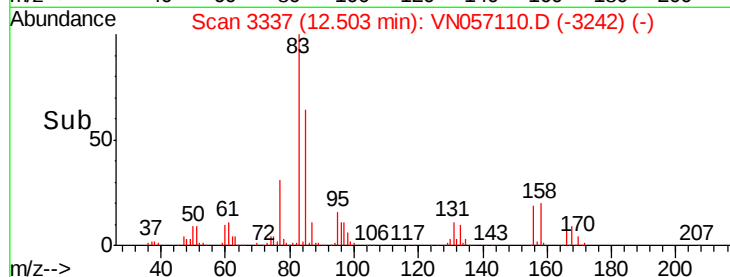


Abundance Ion 82.90 (82.60 to 83.60): VN057110.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN057110.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN057110.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 70.481 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057110.D

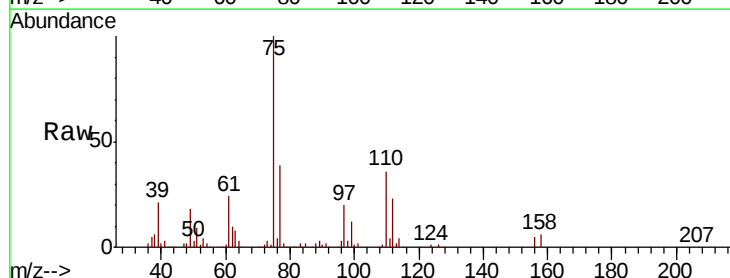
Acq: 6 Aug 2019 17:59

Tgt Ion: 75 Resp: 325048

Ion Ratio Lower Upper

75 100

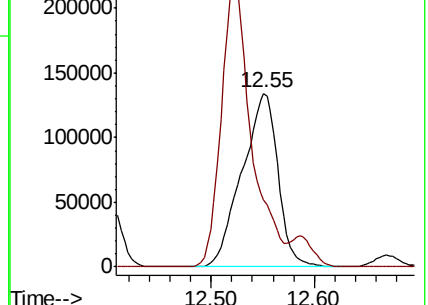
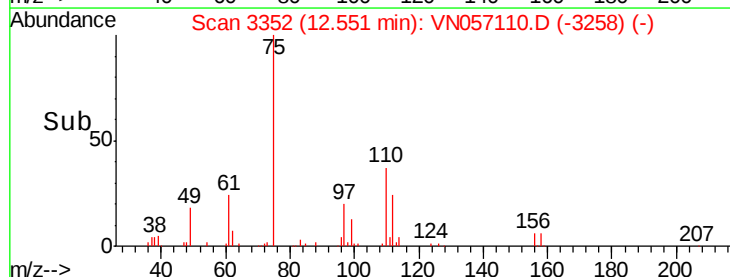
77 0.0 0.0 0.0

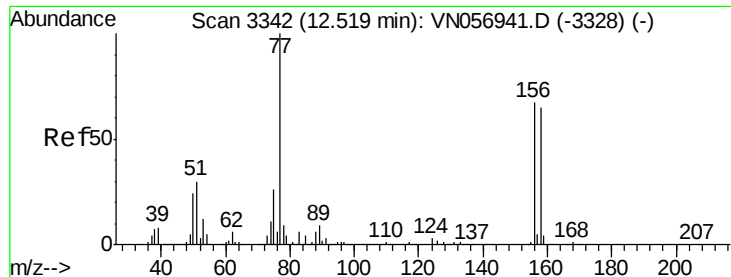


Abundance Ion 74.90 (74.60 to 75.60): VN057110.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN057110.D (-3352) (-)

Time-->





#77

Bromobenzene

Concen: 49.371 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

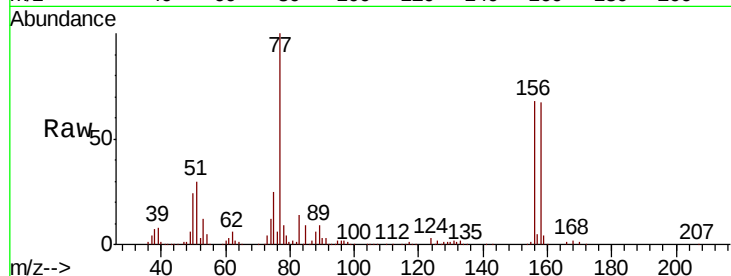
Tgt Ion:156 Resp: 252891

Ion Ratio Lower Upper

156 100

77 178.1 89.5 268.5

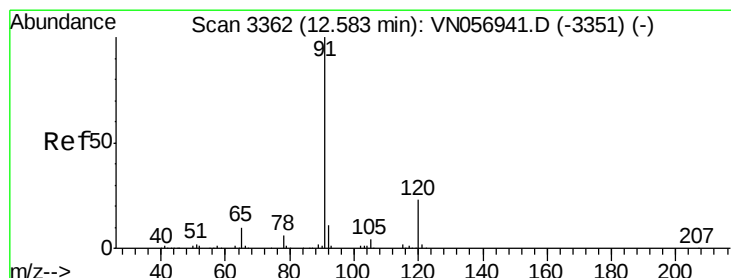
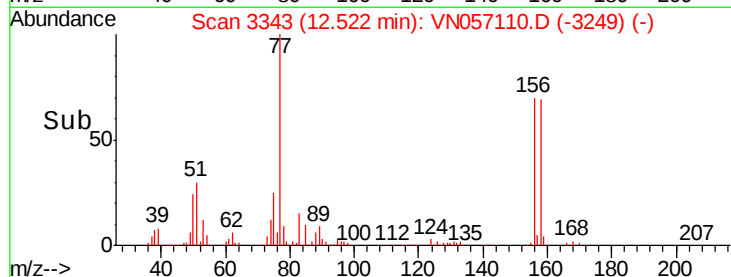
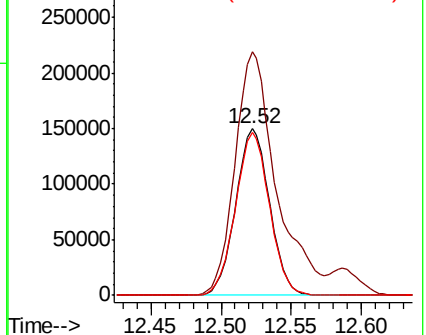
158 98.0 48.4 145.3



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: 47.682 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057110.D

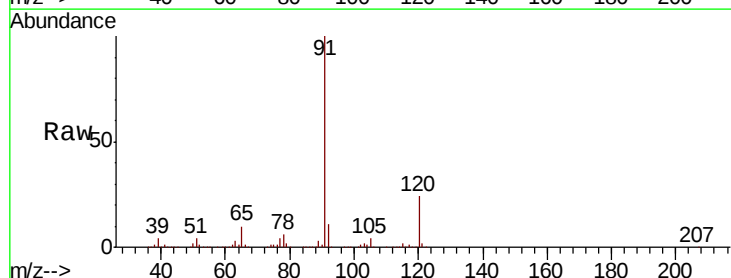
Acq: 6 Aug 2019 17:59

Tgt Ion: 91 Resp: 999209

Ion Ratio Lower Upper

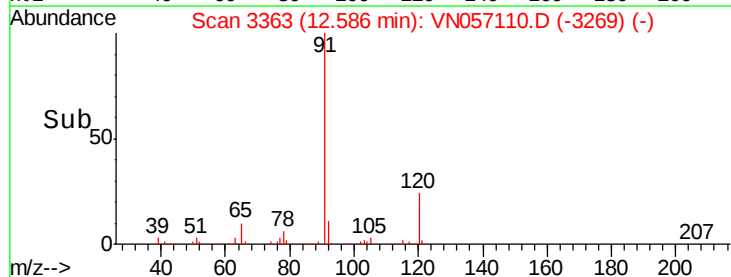
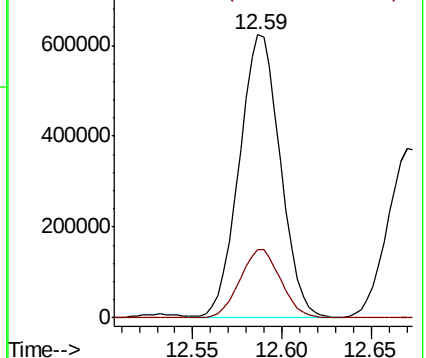
91 100

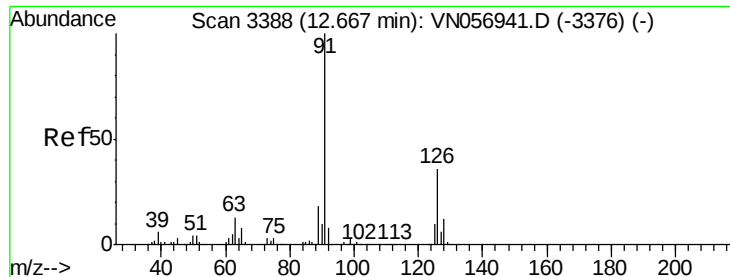
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.206 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

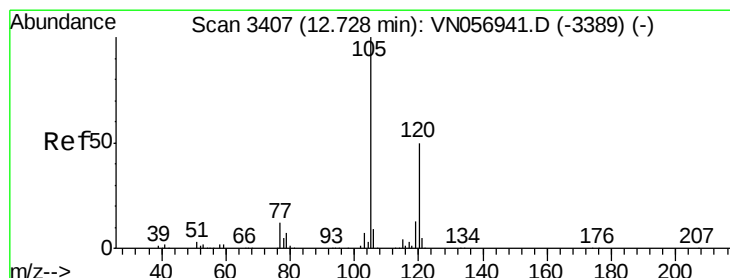
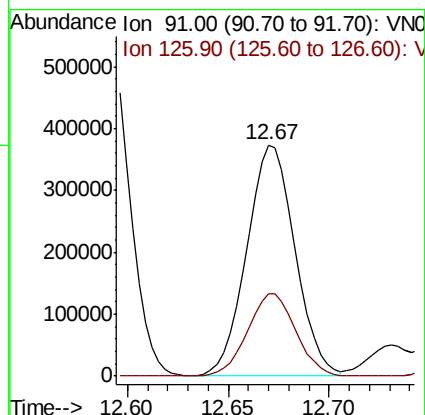
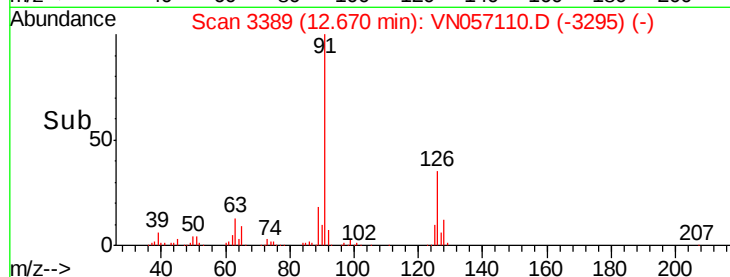
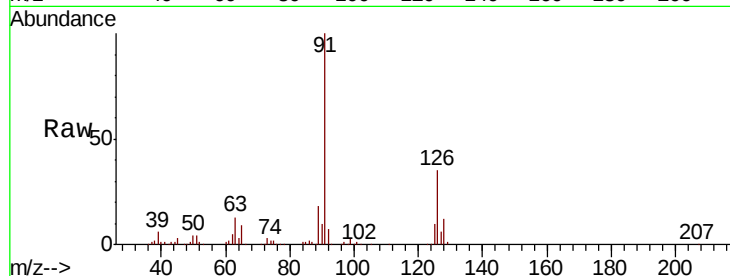
VSTDCCC050EC

Tgt Ion: 91 Resp: 622028

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 49.214 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057110.D

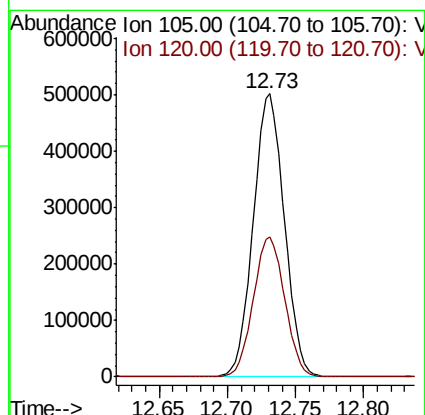
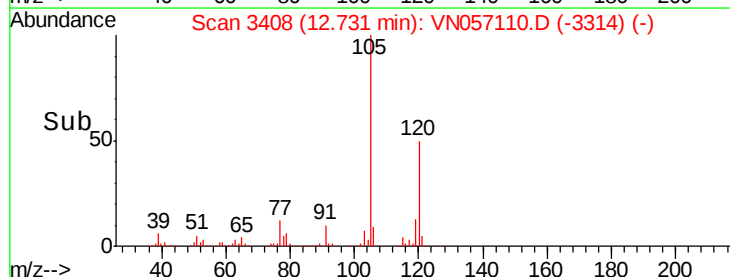
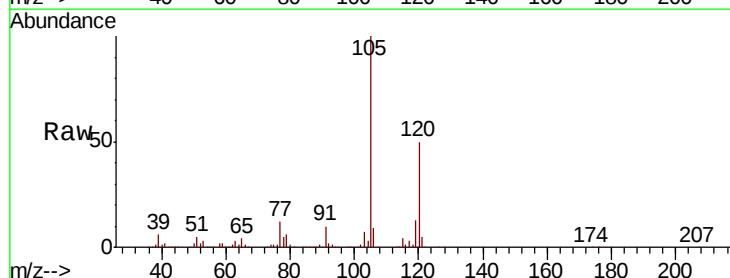
Acq: 6 Aug 2019 17:59

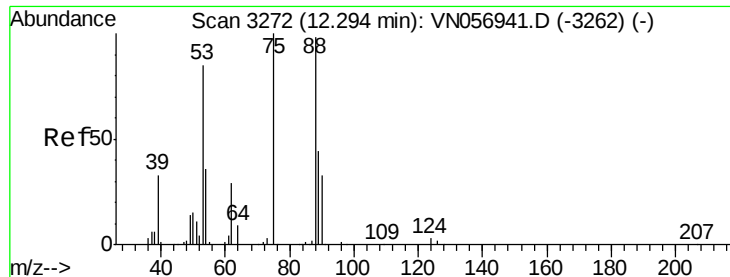
Tgt Ion: 105 Resp: 792726

Ion Ratio Lower Upper

105 100

120 50.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.398 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

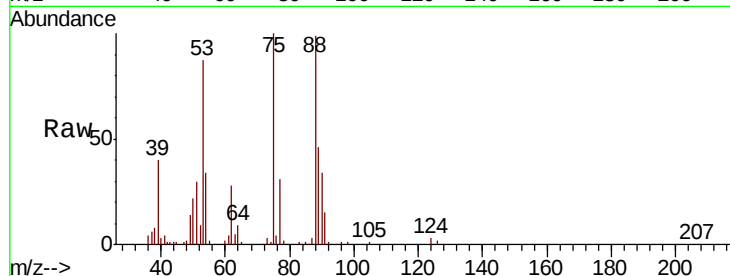
Tgt Ion: 75 Resp: 76646

Ion Ratio Lower Upper

75 100

53 88.1 69.3 103.9

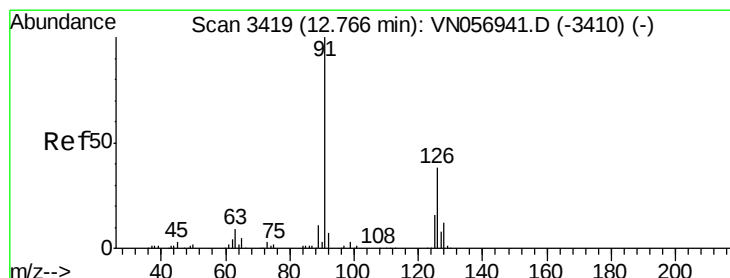
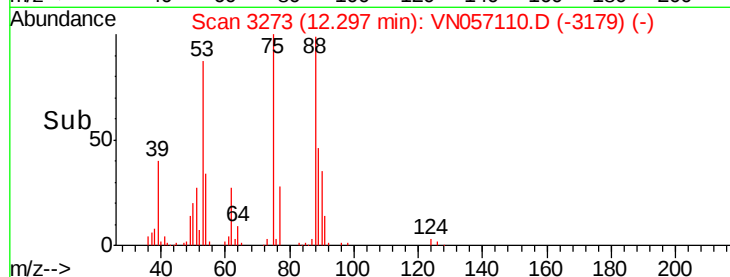
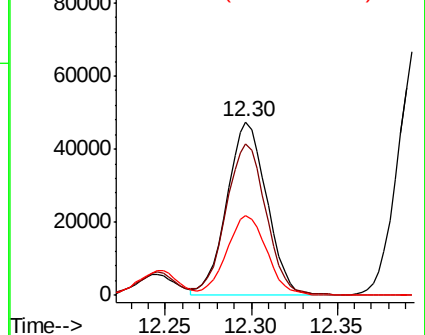
89 46.1 35.8 53.6



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: 50.389 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057110.D

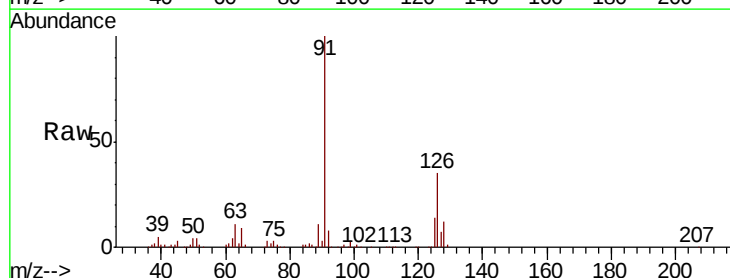
Acq: 6 Aug 2019 17:59

Tgt Ion: 91 Resp: 608472

Ion Ratio Lower Upper

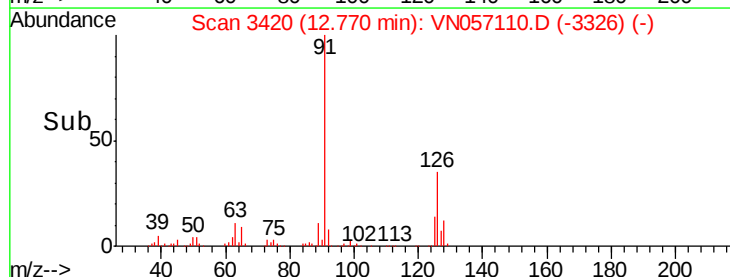
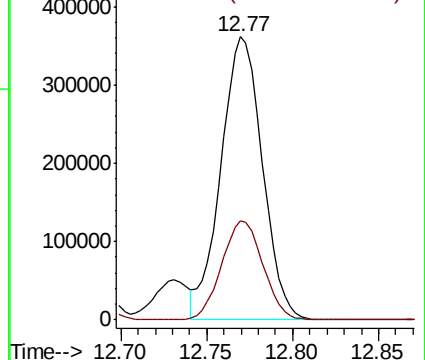
91 100

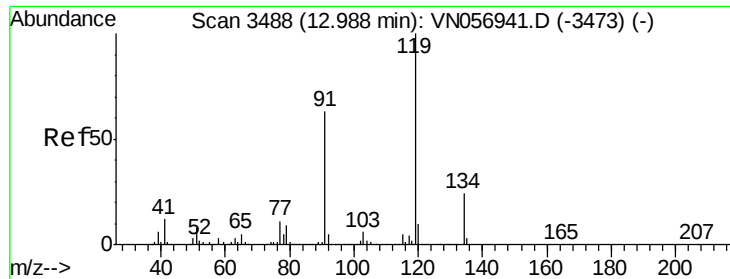
126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

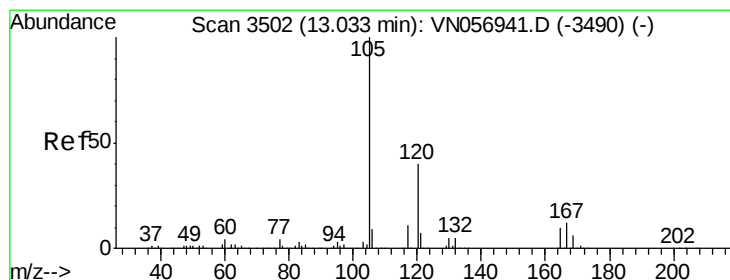
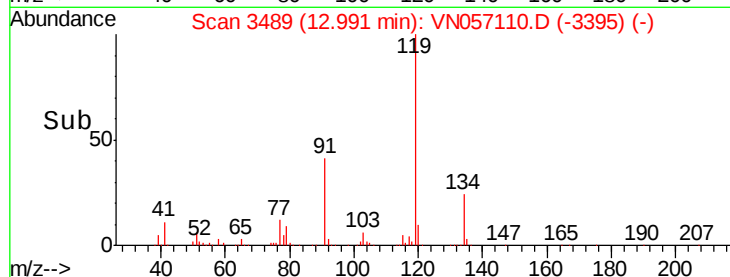
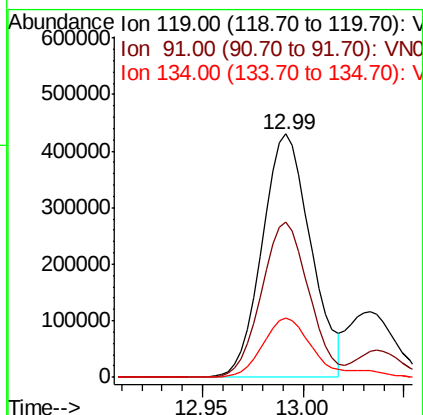
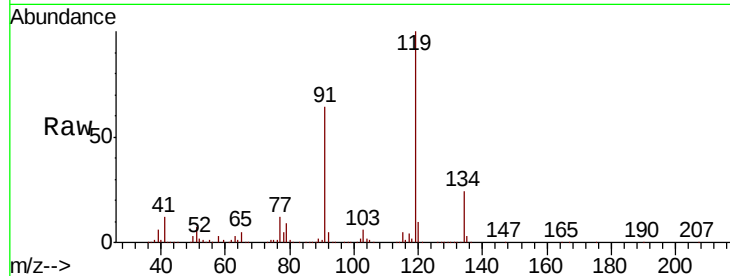




#83
 tert-Butylbenzene
 Concen: 50.606 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

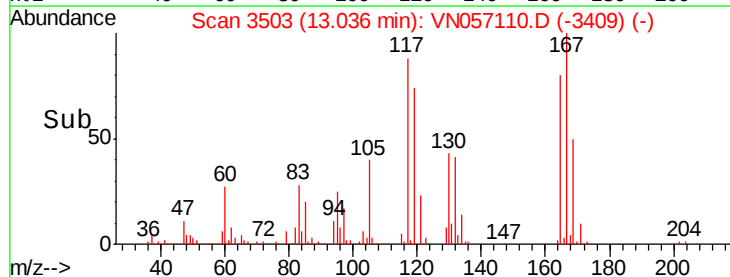
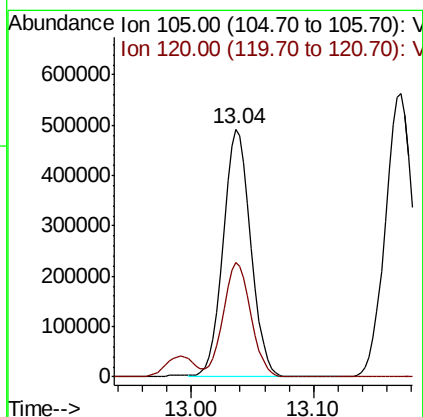
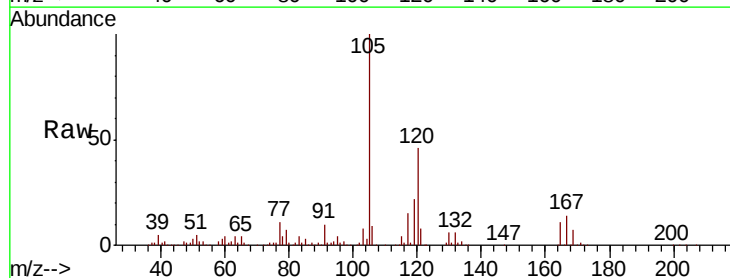
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

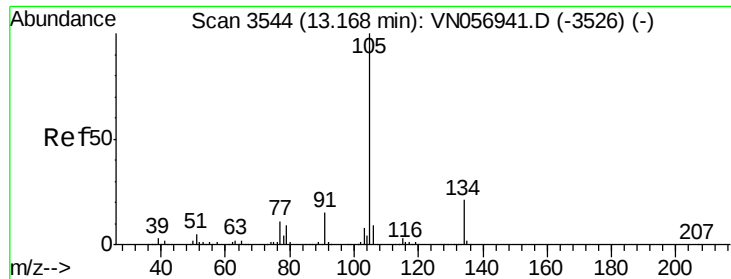
Tgt Ion:119 Resp: 721606
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.3 93.8
 134 26.2 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.256 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion:105 Resp: 778916
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 49.162 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

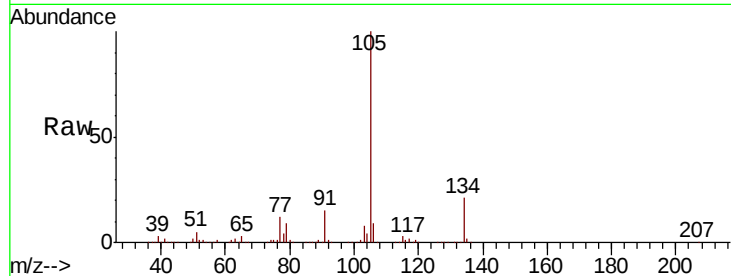
VSTDCCC050EC

Tgt Ion:105 Resp: 904220

Ion Ratio Lower Upper

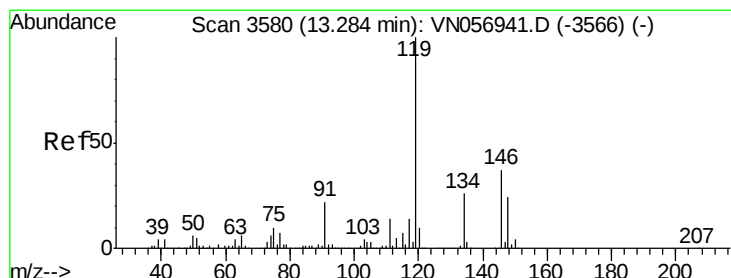
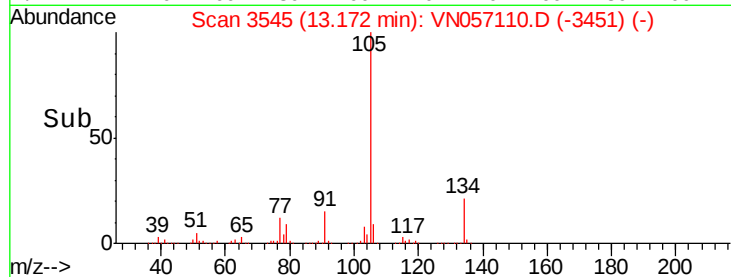
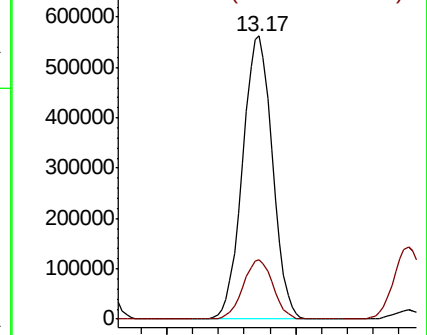
105 100

134 21.0 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.110 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

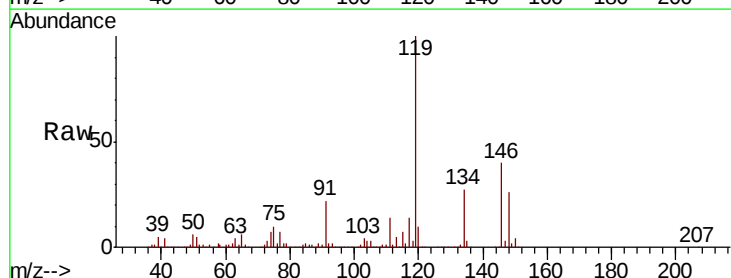
Tgt Ion:119 Resp: 818279

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

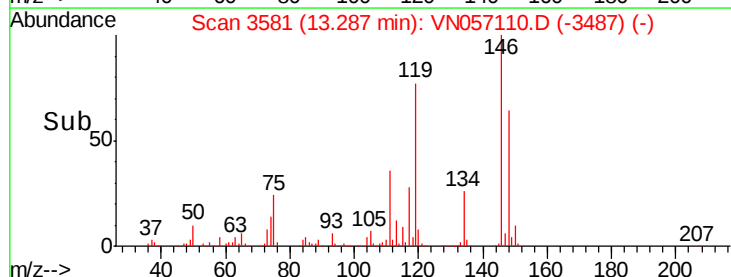
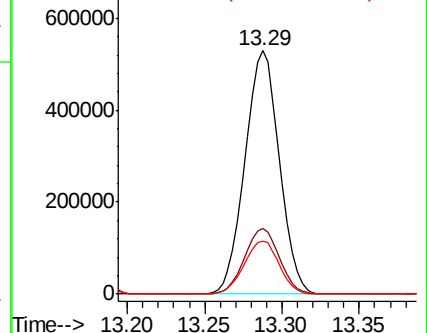
91 22.3 11.0 33.0

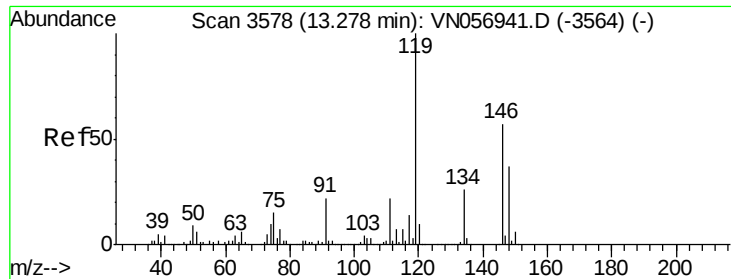


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

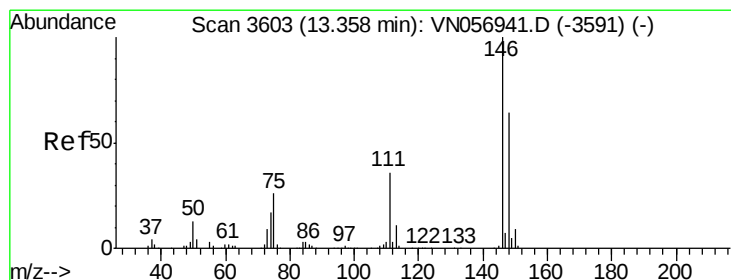
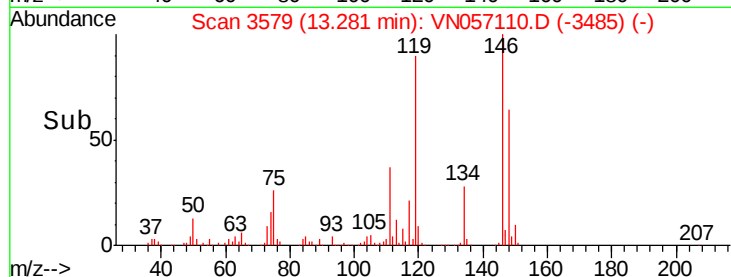
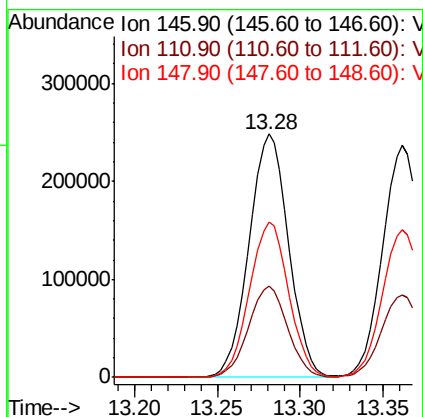
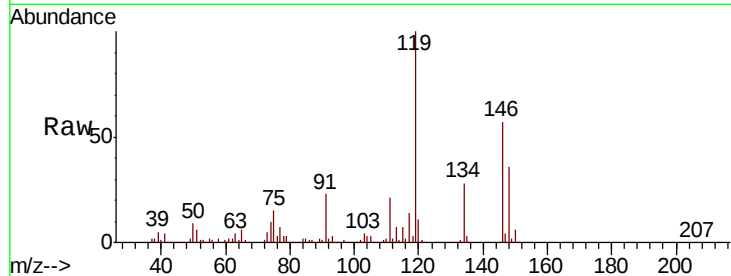




#87
 1,3-Dichlorobenzene
 Concen: 52.955 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

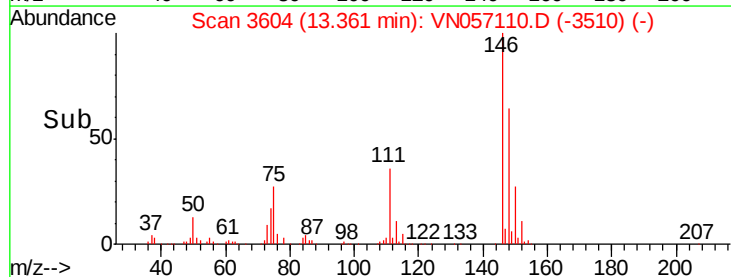
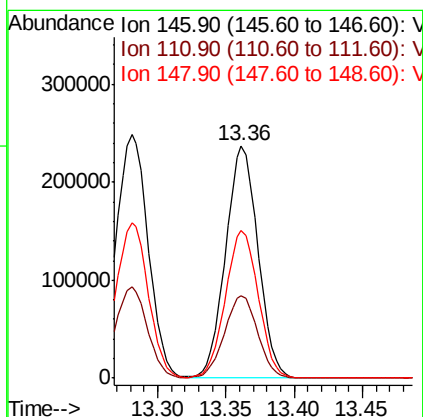
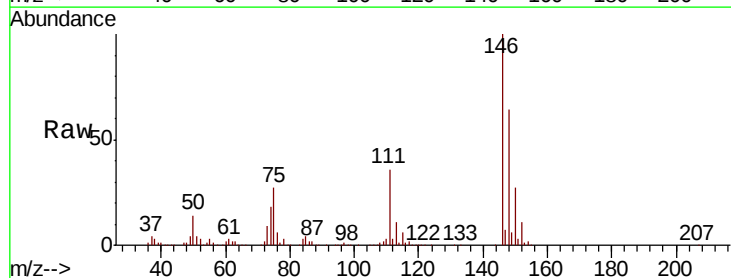
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

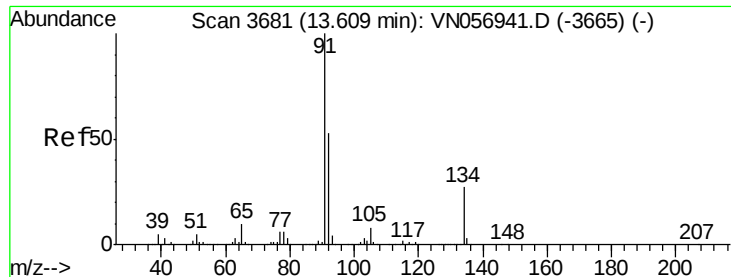
Tgt Ion:146 Resp: 412603
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 52.115 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion:146 Resp: 390903
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.4 55.2
 148 64.6 32.3 96.9

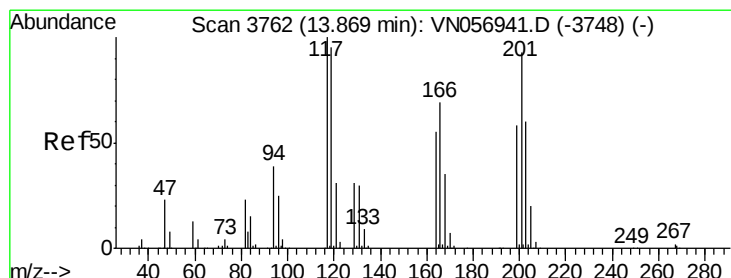
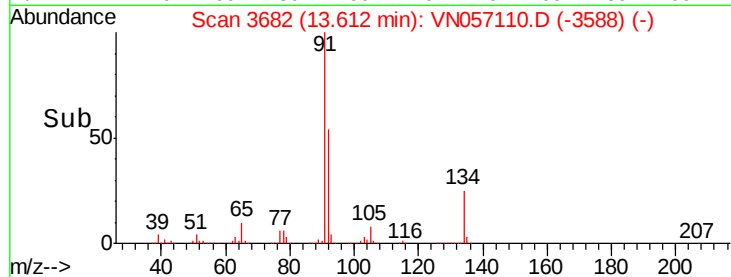
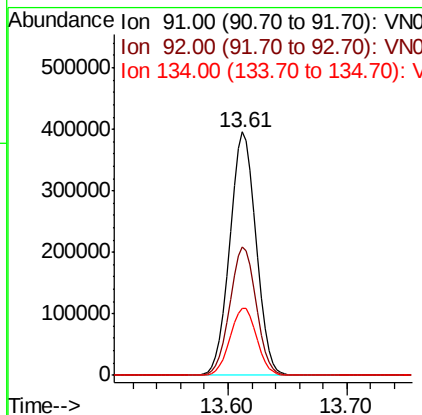
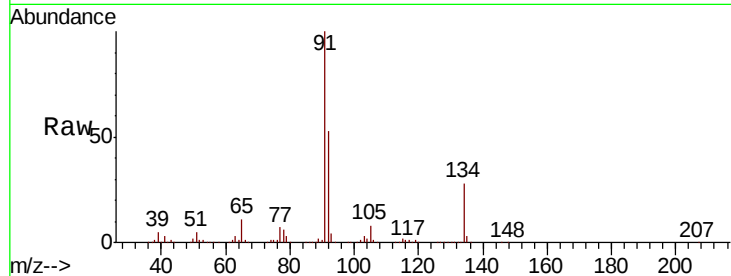




#89
n-Butylbenzene
Concen: 48.056 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

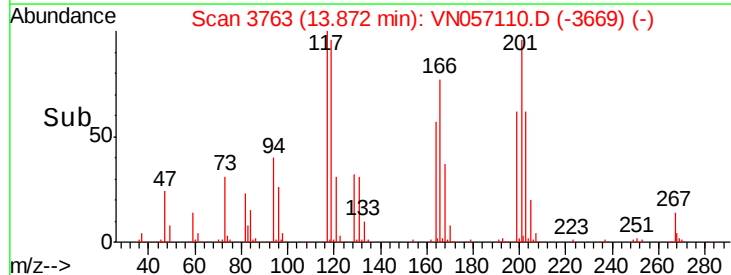
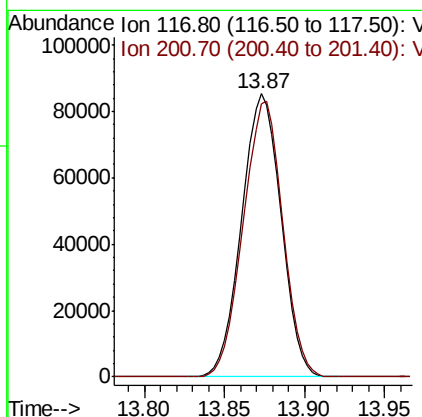
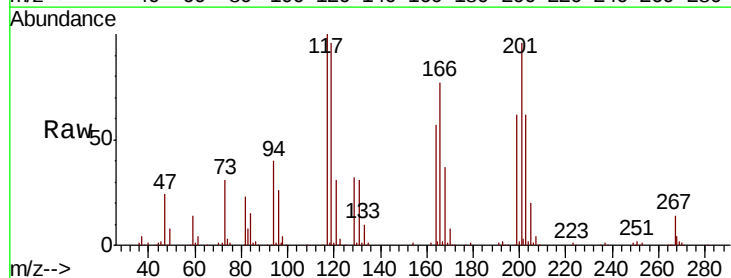
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

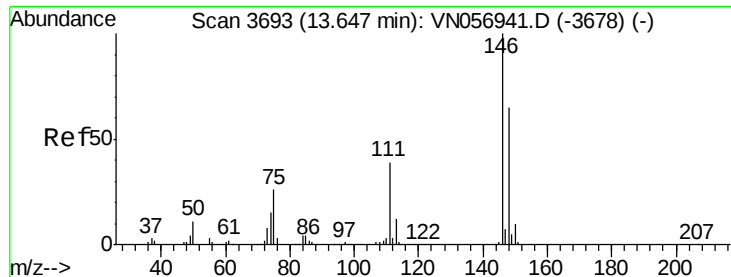
Tgt Ion: 91 Resp: 604796
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.5
134 28.0 13.5 40.4



#90
Hexachloroethane
Concen: 51.037 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 117 Resp: 143505
Ion Ratio Lower Upper
117 100
201 97.3 47.0 141.2

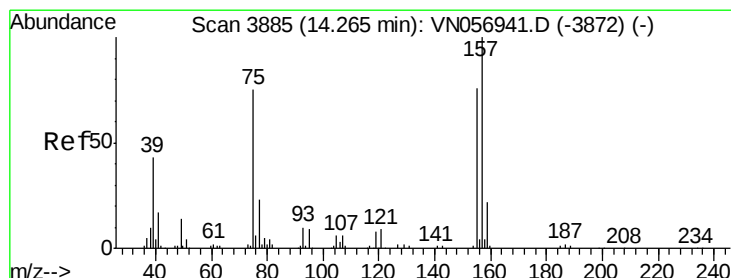
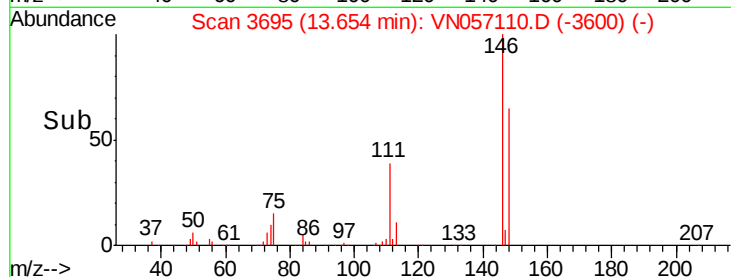
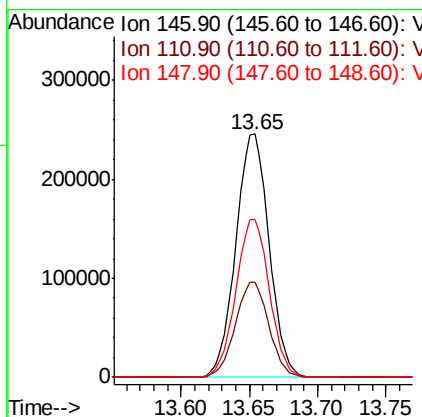
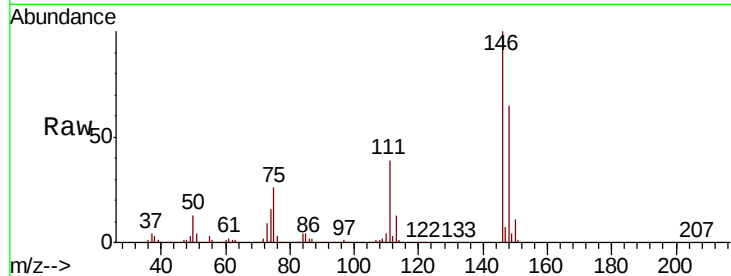




#91
 1,2-Dichlorobenzene
 Concen: 54.345 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.01 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

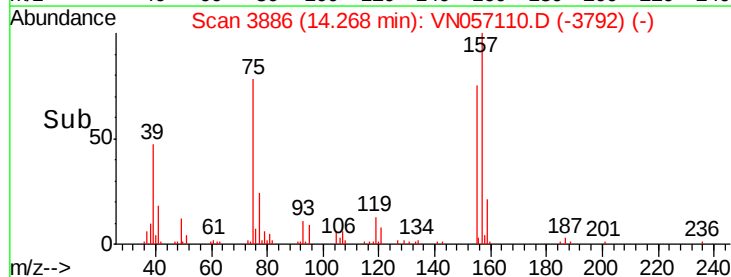
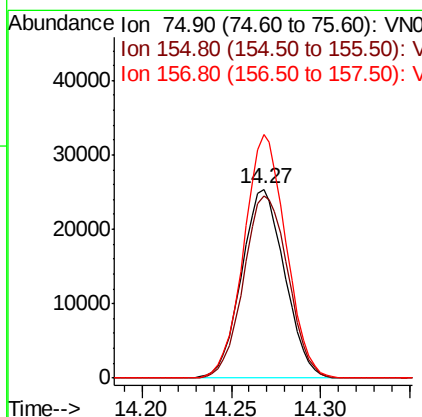
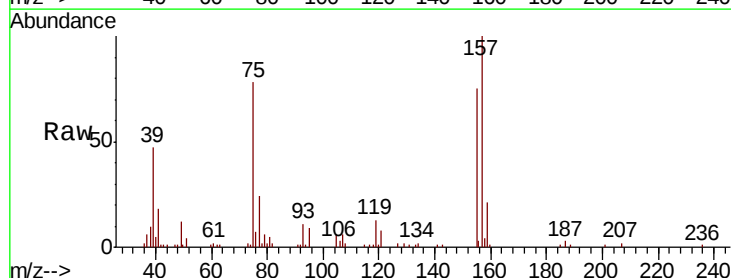
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

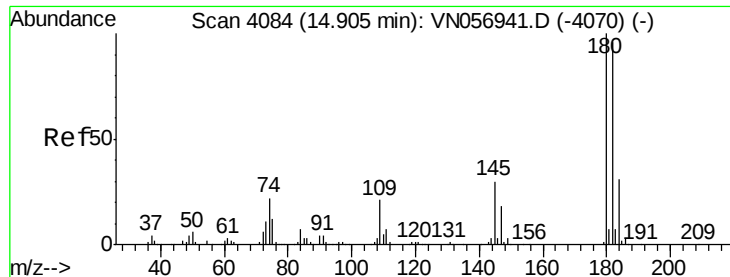
Tgt Ion:146 Resp: 416748
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.4 58.4
 148 65.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.073 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 75 Resp: 42990
 Ion Ratio Lower Upper
 75 100
 155 99.2 50.2 150.6
 157 125.7 65.1 195.4

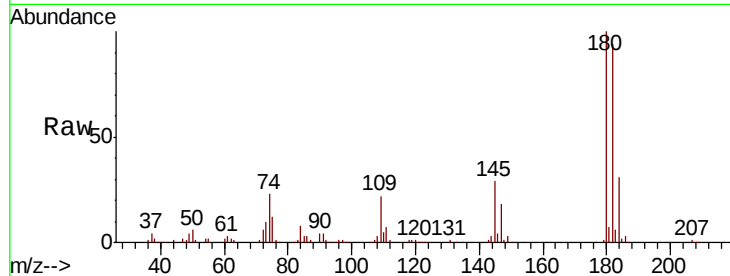




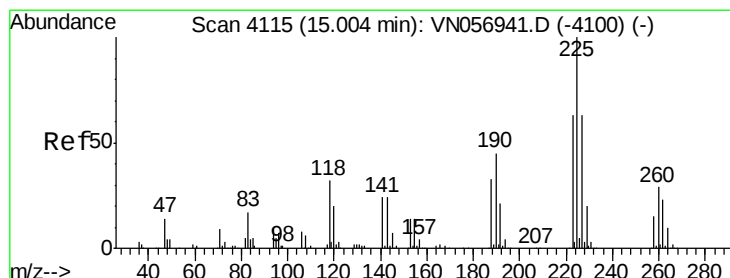
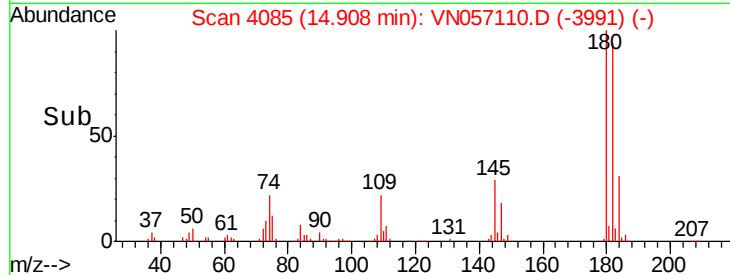
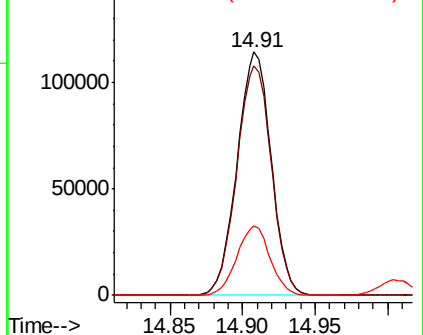
#93
 1,2,4-Trichlorobenzene
 Concen: 47.289 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 186459
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.6 142.8
 145 27.8 14.2 42.8

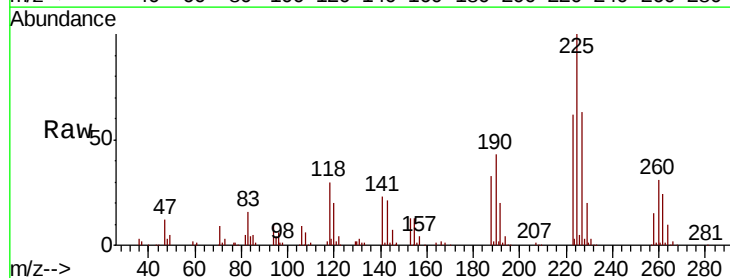


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

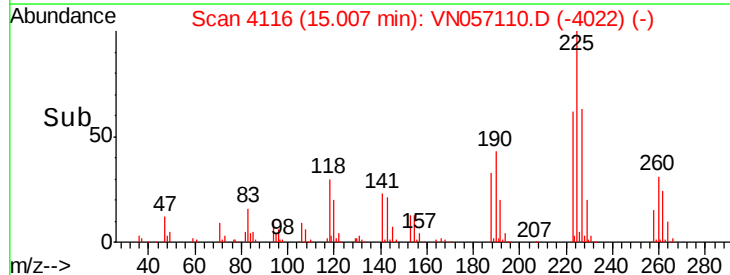
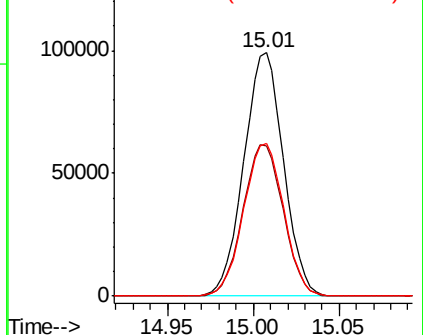


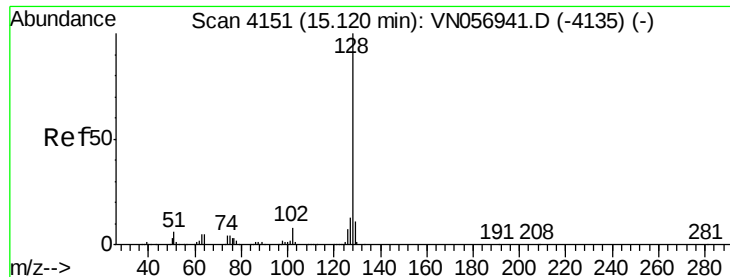
#94
 Hexachlorobutadiene
 Concen: 59.827 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion:225 Resp: 158509
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.8 92.4
 227 63.6 31.1 93.5



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

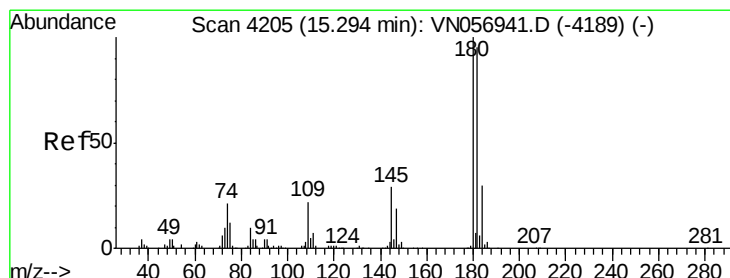
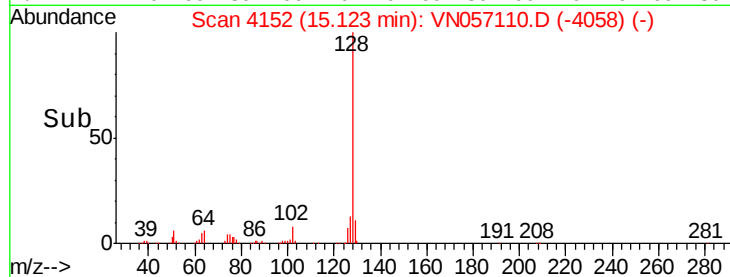
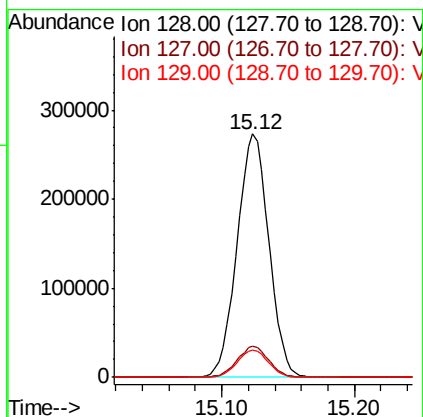
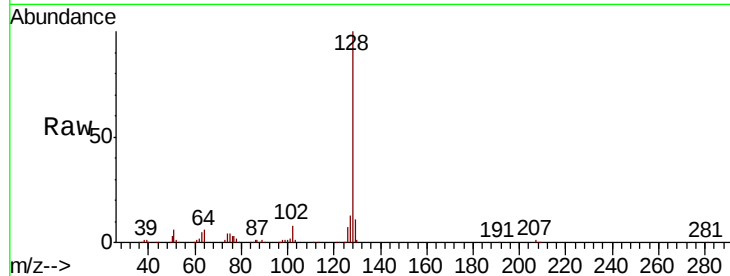




#95
Naphthalene
Concen: 47.298 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 454353
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.408 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion:180 Resp: 205753
Ion Ratio Lower Upper
180 100
182 95.8 48.0 144.2
145 30.2 15.0 45.0

