

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061118.D
 Acq On : 20 Apr 2020 22:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 21 04:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	154511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	261097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110986	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	93781	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.56	113	74440	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.08	98	271463	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.39	95	107512	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	96914	47.474	ug/l	99
3) Chloromethane	2.04	50	129296	47.181	ug/l	99
4) Vinyl Chloride	2.17	62	108107	47.471	ug/l	98
5) Bromomethane	2.55	94	56265	49.267	ug/l	98
6) Chloroethane	2.69	64	65485	49.848	ug/l	100
7) Trichlorofluoromethane	3.00	101	140613	49.596	ug/l	99
8) Diethyl Ether	3.38	74	55003	48.812	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80292	48.270	ug/l	100
10) Methyl Iodide	3.93	142	75054	51.145	ug/l	98
11) Tert butyl alcohol	4.73	59	68827	196.229	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81855	48.411	ug/l	99
13) Acrolein	3.57	56	67290	227.214	ug/l	100
14) Allyl chloride	4.29	41	146041	45.649	ug/l	98
15) Acrylonitrile	4.94	53	233246	245.261	ug/l	99
16) Acetone	3.78	43	185072	212.697	ug/l	99
17) Carbon Disulfide	4.03	76	248999	47.062	ug/l	98
18) Methyl Acetate	4.28	43	140255	51.404	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	284293	48.221	ug/l	98
20) Methylene Chloride	4.52	84	92552	48.717	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	88738	49.068	ug/l	97
22) Diisopropyl ether	5.91	45	328307	49.411	ug/l	99
23) Vinyl Acetate	5.86	43	1254491	240.769	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174795	48.708	ug/l	100
25) 2-Butanone	6.79	43	304757	228.566	ug/l	99
26) 2,2-Dichloropropane	6.79	77	133795	44.778	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100896	48.595	ug/l	99
28) Bromochloromethane	7.17	49	80271	48.730	ug/l	100
29) Tetrahydrofuran	7.18	42	211035	233.138	ug/l	100
30) Chloroform	7.34	83	166769	49.823	ug/l	99
31) Cyclohexane	7.63	56	167974	45.615	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	143008	49.394	ug/l	99
36) 1,1-Dichloropropene	7.77	75	131607	48.846	ug/l	99
37) Ethyl Acetate	6.89	43	134128	45.847	ug/l	99
38) Carbon Tetrachloride	7.75	117	114953	51.257	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	153214	47.565	ug/l	99
40) Benzene	8.02	78	386871	48.401	ug/l	99
41) Methacrylonitrile	7.18	41	191717	157.113	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	135665	49.824	ug/l	100
43) Isopropyl Acetate	8.14	43	229294	48.191	ug/l	99
44) Trichloroethene	8.82	130	95821	47.710	ug/l	99
45) 1,2-Dichloropropane	9.10	63	104892	48.585	ug/l	99
46) Dibromomethane	9.19	93	62776	50.432	ug/l	99
47) Bromodichloromethane	9.38	83	131801	50.122	ug/l	99
48) Methyl methacrylate	9.18	41	102447	48.722	ug/l	99
49) 1,4-Dioxane	9.18	88	20681	712.352	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	667746	243.448	ug/l	100
52) Toluene	10.14	92	234536	48.911	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	150858	49.389	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	161902	48.579	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	90262	49.741	ug/l	98
56) Ethyl methacrylate	10.42	69	143439	50.268	ug/l	99
57) 1,3-Dichloropropane	10.70	76	160019	49.438	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	300055	231.413	ug/l	100
59) 2-Hexanone	10.74	43	476265	240.769	ug/l	100
60) Dibromochloromethane	10.89	129	95819	51.403	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91912	49.707	ug/l	100
64) Tetrachloroethene	10.62	164	91419	49.548	ug/l	99
65) Chlorobenzene	11.42	112	237618	47.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86967	48.836	ug/l	99
67) Ethyl Benzene	11.50	91	451896	48.264	ug/l	99
68) m/p-Xylenes	11.61	106	331646	98.011	ug/l	99
69) o-Xylene	11.94	106	158355	48.674	ug/l	100
70) Styrene	11.96	104	263492	50.307	ug/l	99
71) Bromoform	12.12	173	67018	50.417	ug/l #	100
73) Isopropylbenzene	12.24	105	429412	48.294	ug/l	99
74) N-amyl acetate	12.06	43	192776	46.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	130599	48.116	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	175056	71.708	ug/l #	100
77) Bromobenzene	12.52	156	99885	48.113	ug/l	99
78) n-propylbenzene	12.58	91	509975	49.022	ug/l	100
79) 2-Chlorotoluene	12.67	91	295849	48.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	360515	49.053	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	43811	44.266	ug/l	99
82) 4-Chlorotoluene	12.77	91	308859	48.809	ug/l	100
83) tert-Butylbenzene	12.99	119	299711	48.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	360220	49.584	ug/l	100
85) sec-Butylbenzene	13.17	105	413589	49.385	ug/l	100
86) p-Isopropyltoluene	13.28	119	364772	48.914	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	178405	48.220	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	179483	48.221	ug/l	99
89) n-Butylbenzene	13.61	91	340204	49.057	ug/l	99
90) Hexachloroethane	13.87	117	56605	49.473	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	173526	49.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25478	48.502	ug/l	98

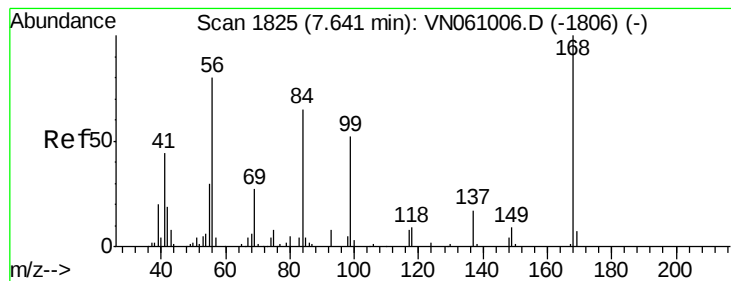
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	104947	50.213	ug/l	100
94) Hexachlorobutadiene	15.00	225	50058	46.558	ug/l	99
95) Naphthalene	15.13	128	300638	49.323	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	100004	49.650	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

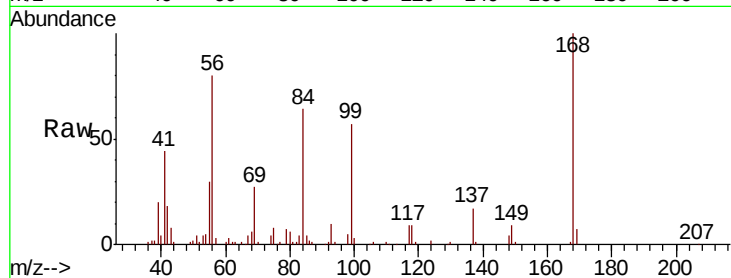
VSTDCCC050

Tot Ion:168 Resp: 154511

Ion Ratio Lower Upper

168 100

99 57.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

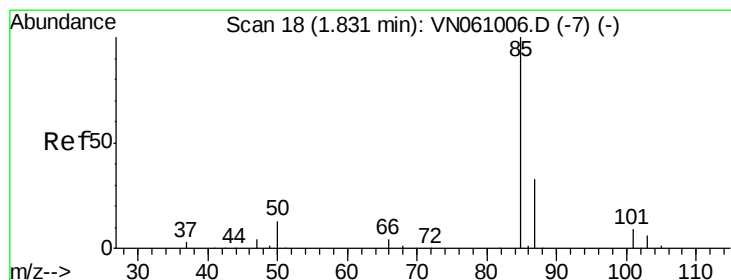
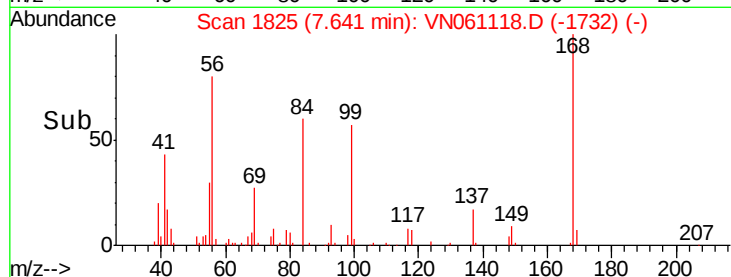
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 47.474 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061118.D

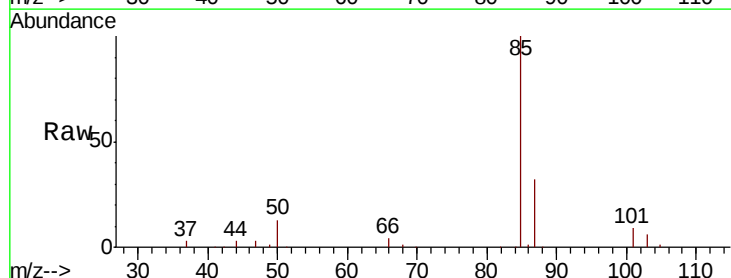
Acq: 20 Apr 2020 22:16

Tgt Ion: 85 Resp: 96914

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

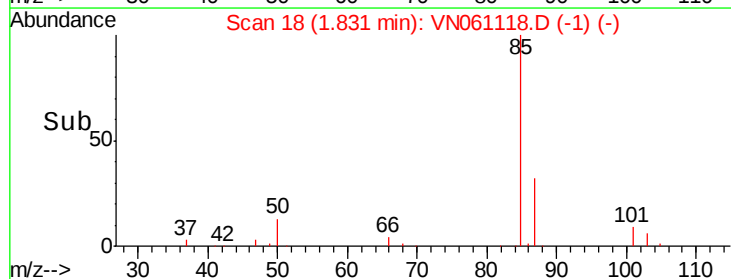
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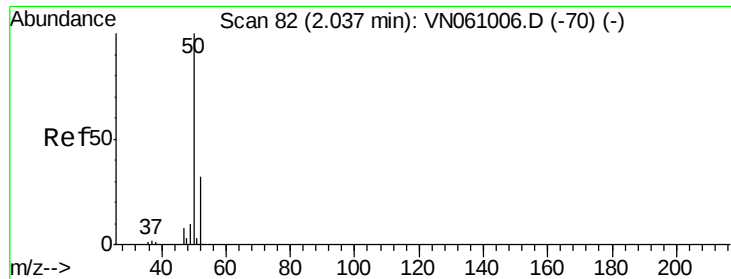
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.181 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

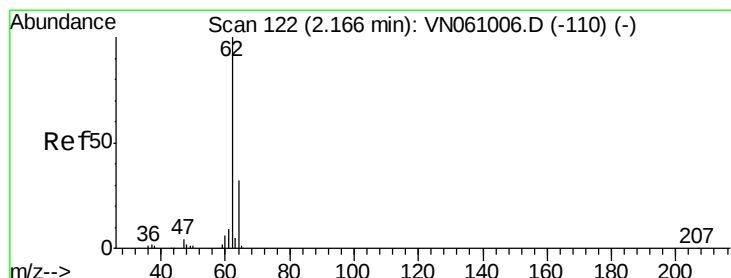
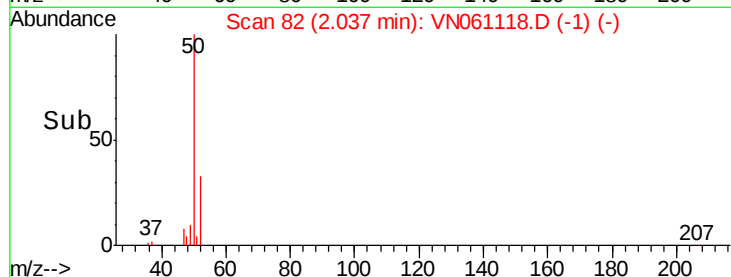
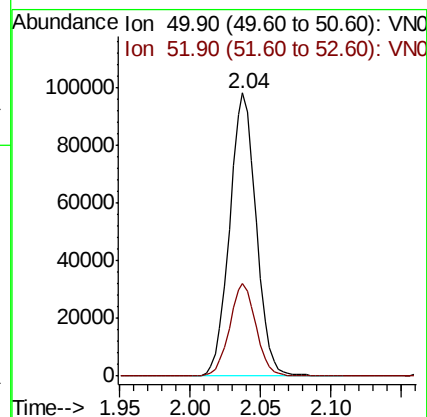
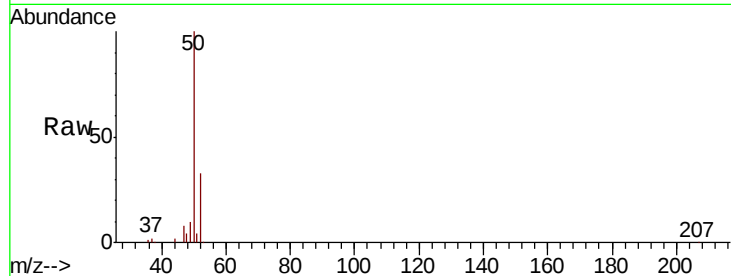
VSTDCCC050

Tot Ion: 50 Resp: 129296

Ion Ratio Lower Upper

50 100

52 32.7 25.6 38.4



#4

Vinyl Chloride

Concen: 47.471 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061118.D

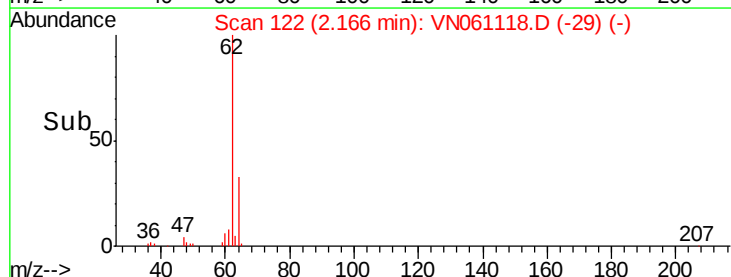
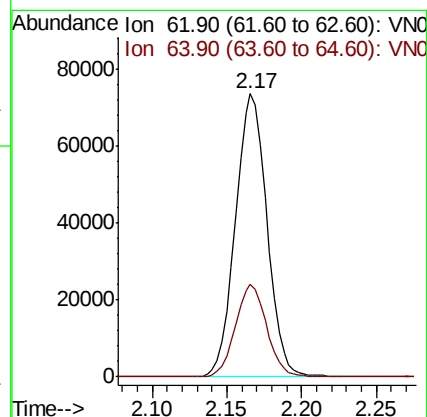
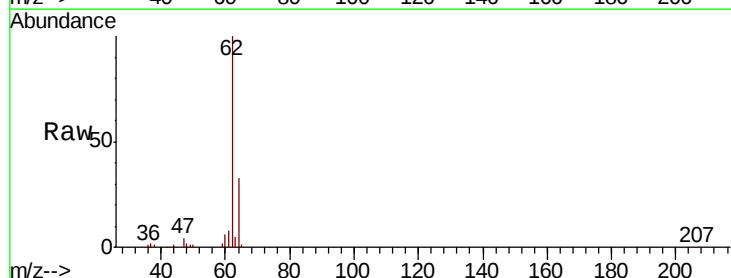
Acq: 20 Apr 2020 22:16

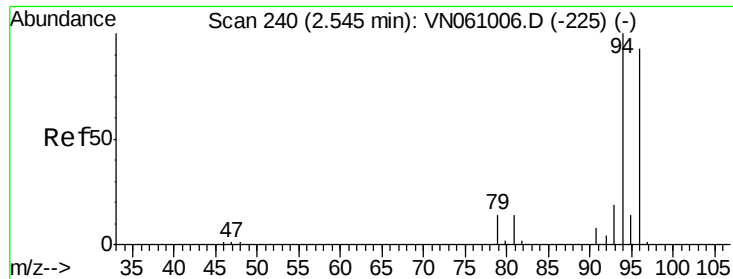
Tgt Ion: 62 Resp: 108107

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0

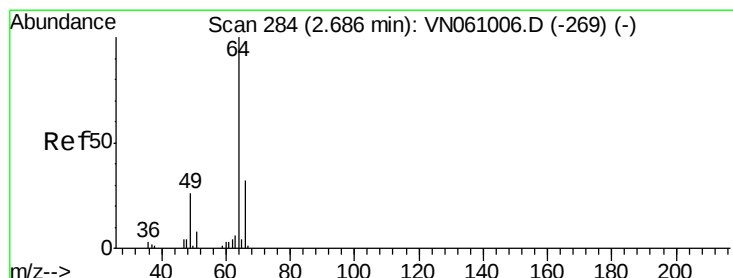
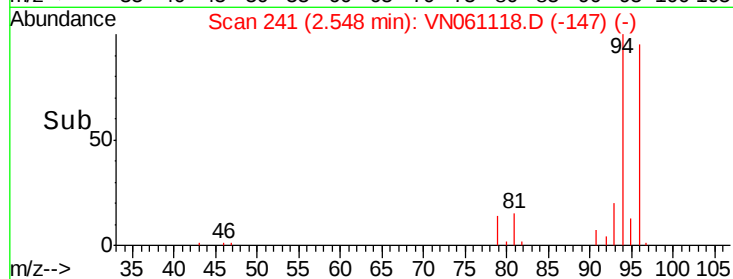
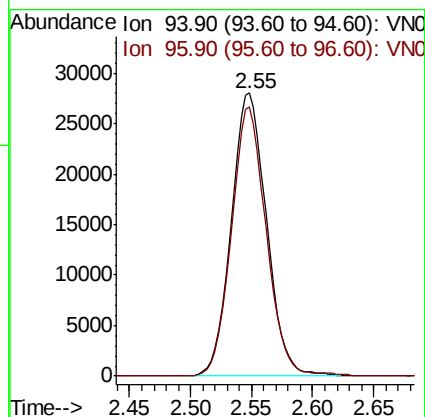
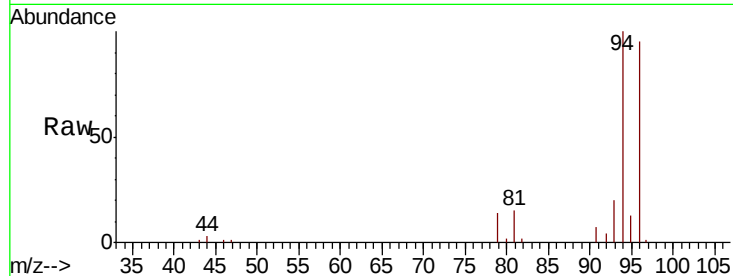




#5
Bromomethane
Concen: 49.267 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

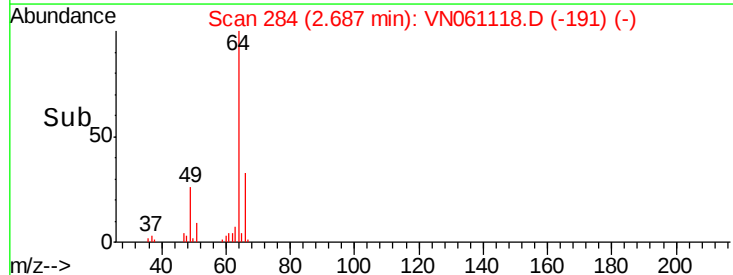
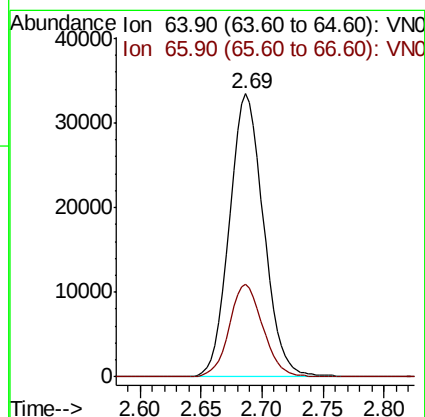
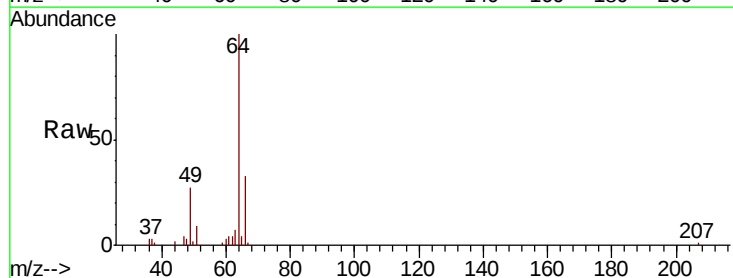
Instrument :
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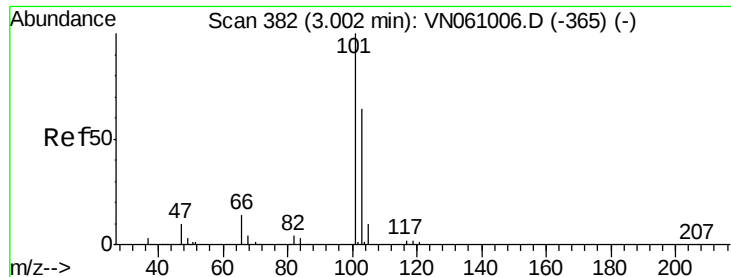
Tot Ion: 94 Resp: 56265
Ion Ratio Lower Upper
94 100
96 95.0 74.3 111.5



#6
Chloroethane
Concen: 49.848 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 64 Resp: 65485
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.8



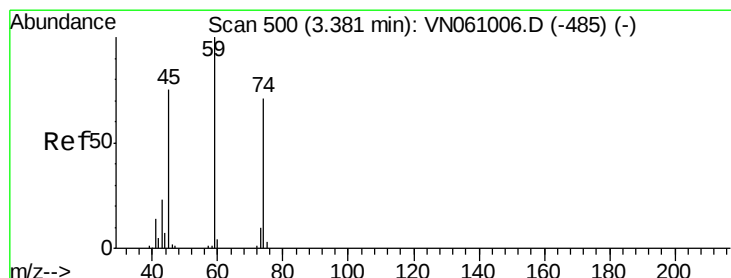
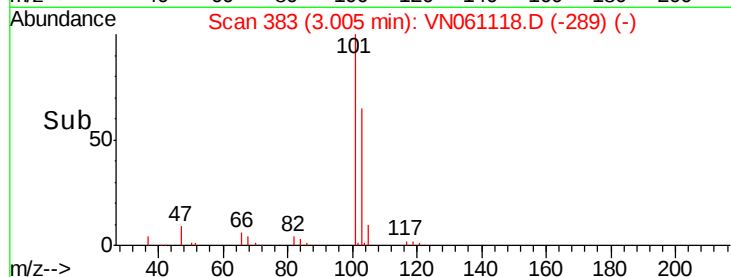
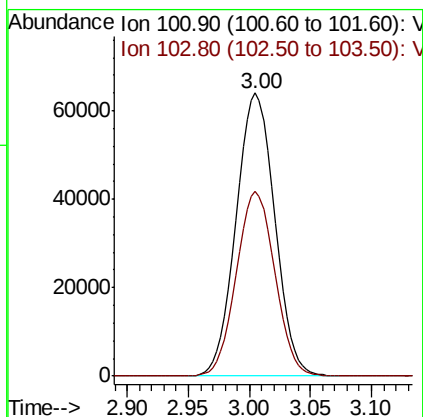
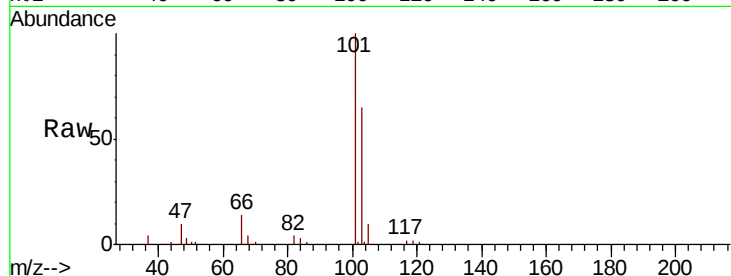


#7

Trichlorofluoromethane
 Concen: 49.596 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

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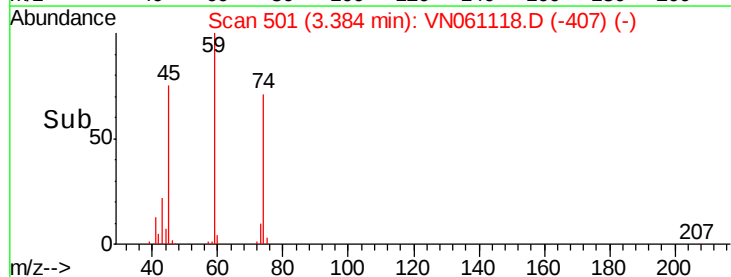
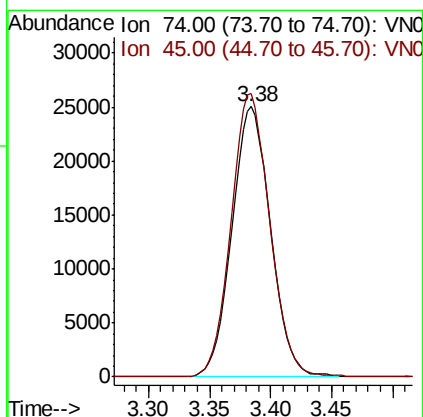
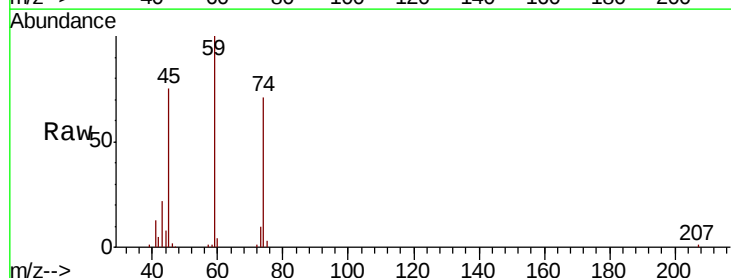
Tot Ion:101 Resp: 140613
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

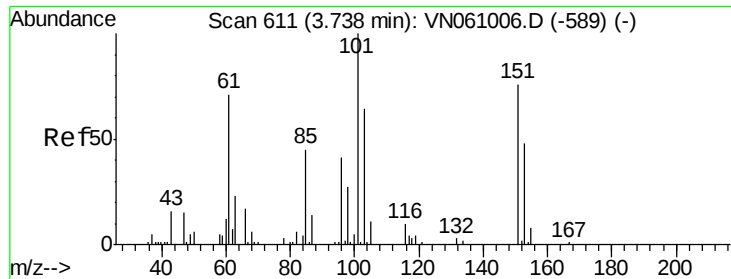


#8

Diethyl Ether
 Concen: 48.812 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion: 74 Resp: 55003
 Ion Ratio Lower Upper
 74 100
 45 104.9 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.270 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

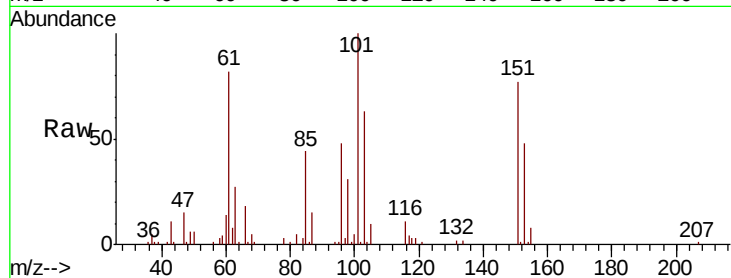
Tot Ion:101 Resp: 80292

Ion Ratio Lower Upper

101 100

85 45.3 35.9 53.9

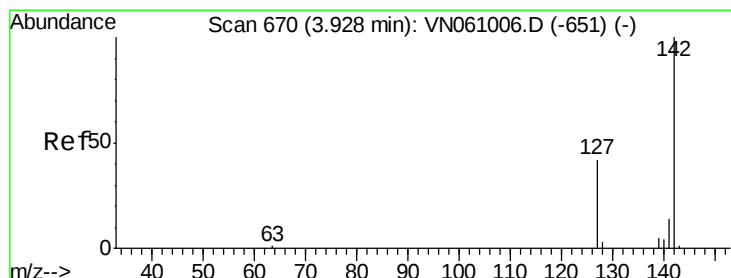
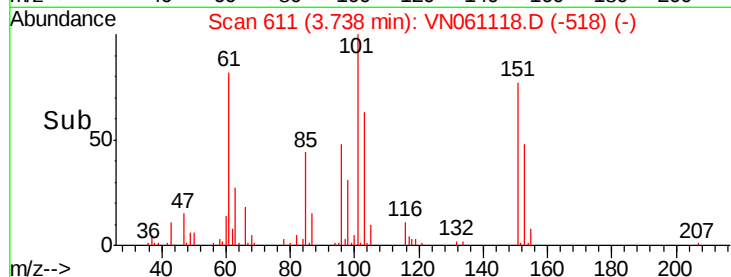
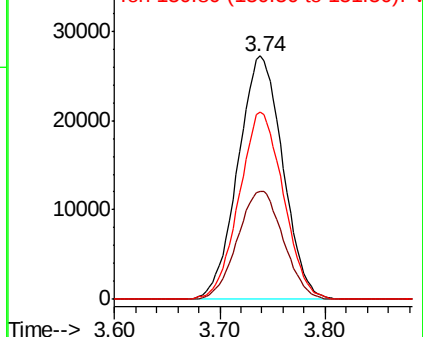
151 75.9 60.8 91.2



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: 51.145 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

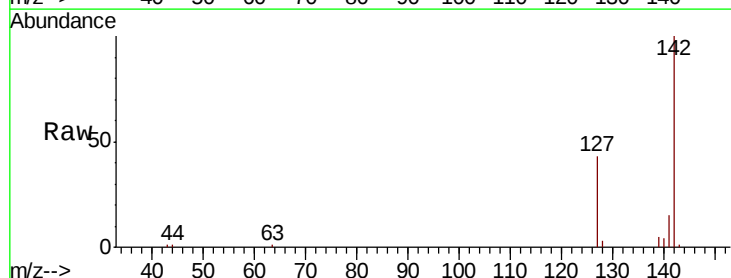
Tgt Ion:142 Resp: 75054

Ion Ratio Lower Upper

142 100

127 43.1 33.4 50.2

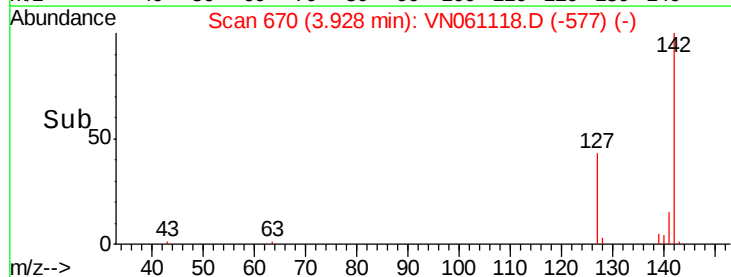
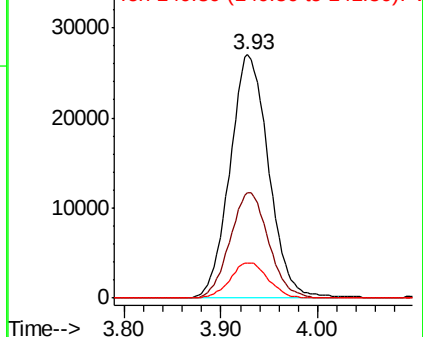
141 14.2 11.0 16.6

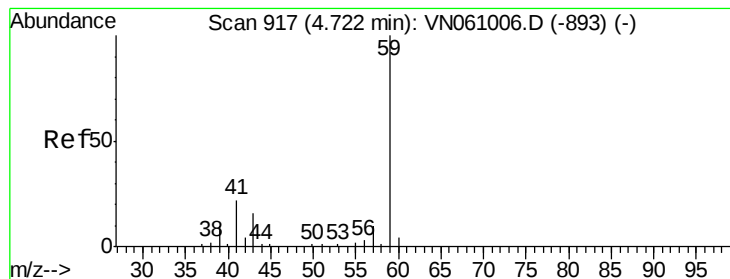


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



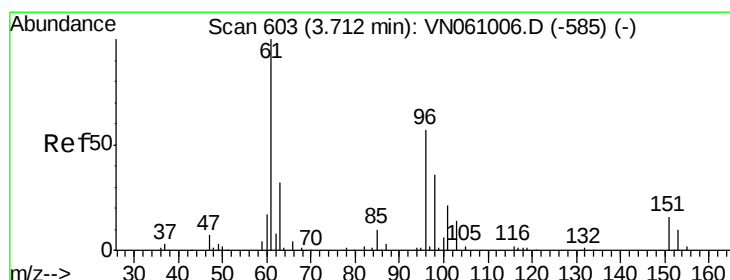
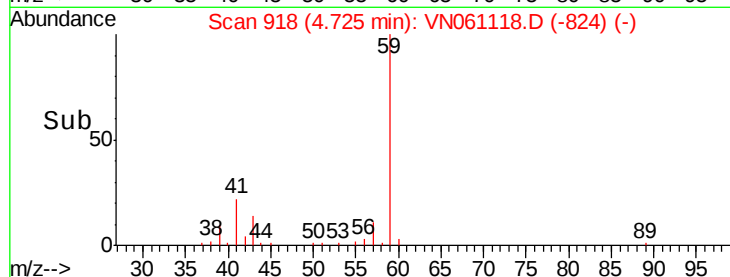
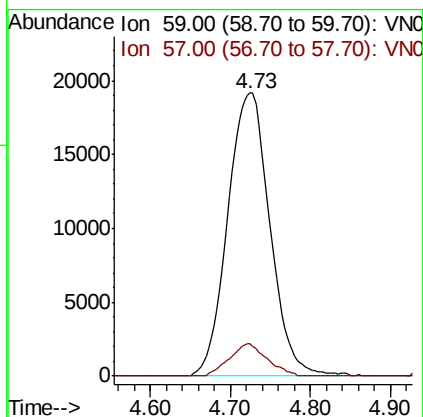
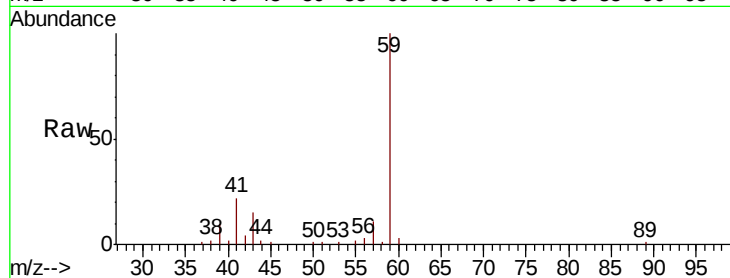


#11

Tert butyl alcohol
 Concen: 196.229 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

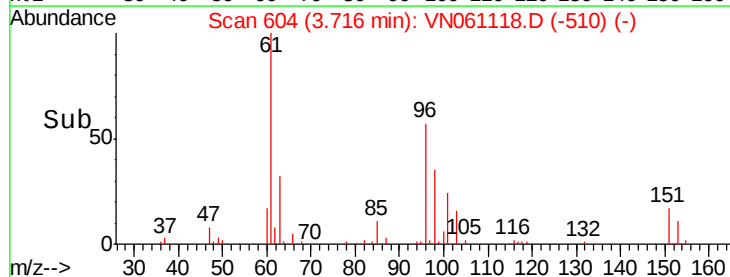
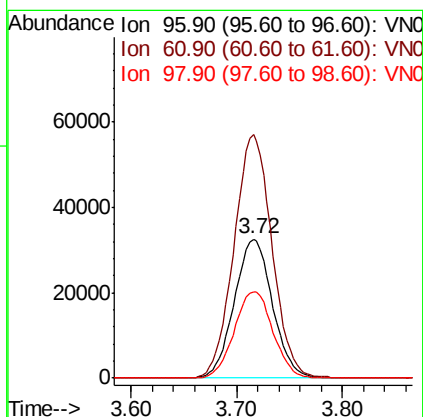
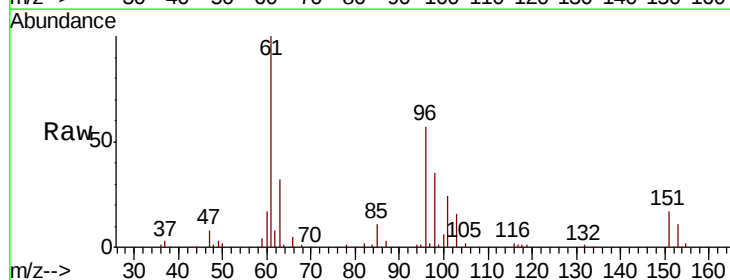
Tot Ion: 59 Resp: 68827
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.1 12.1



#12

1,1-Dichloroethene
 Concen: 48.411 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion: 96 Resp: 81855
 Ion Ratio Lower Upper
 96 100
 61 175.2 139.2 208.8
 98 62.2 50.0 75.0





#13

Acrolein

Concen: 227.214 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

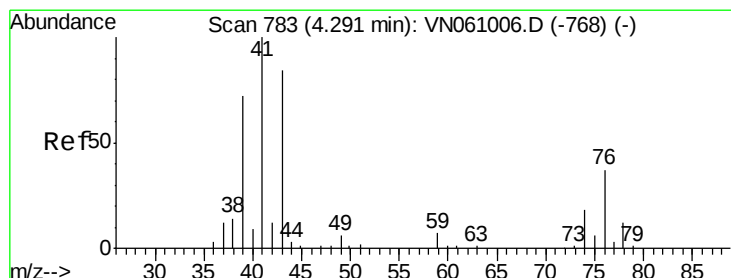
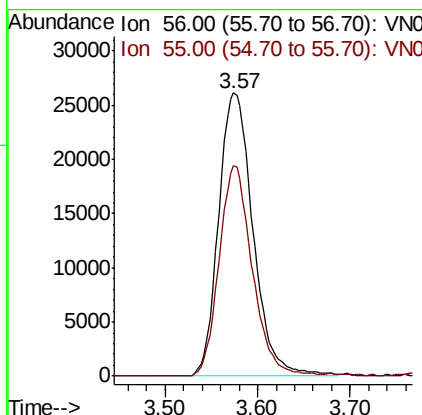
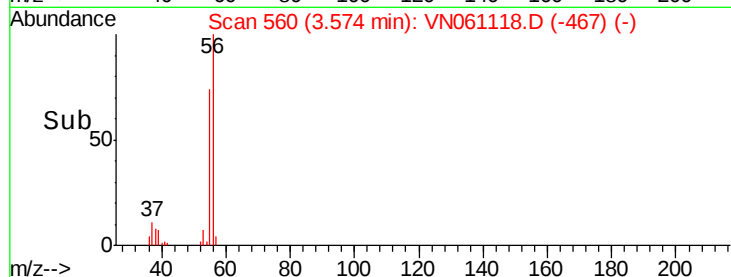
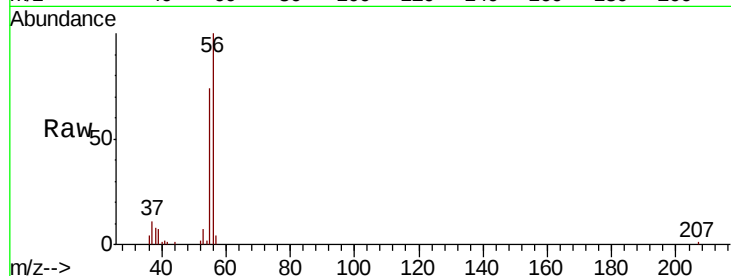
VSTDCCC050

Tot Ion: 56 Resp: 67290

Ion Ratio Lower Upper

56 100

55 71.6 57.0 85.6



#14

Allyl chloride

Concen: 45.649 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

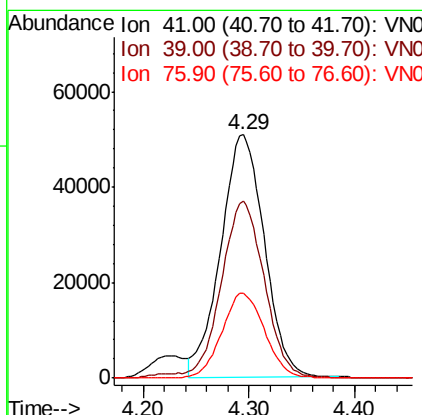
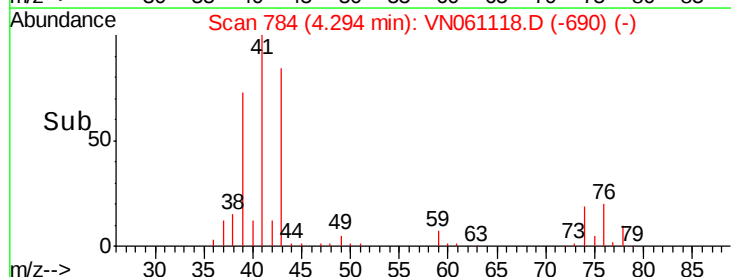
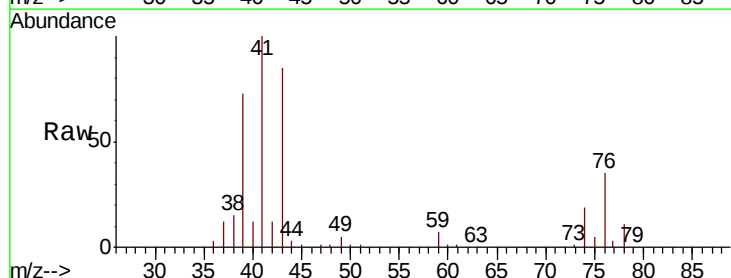
Tgt Ion: 41 Resp: 146041

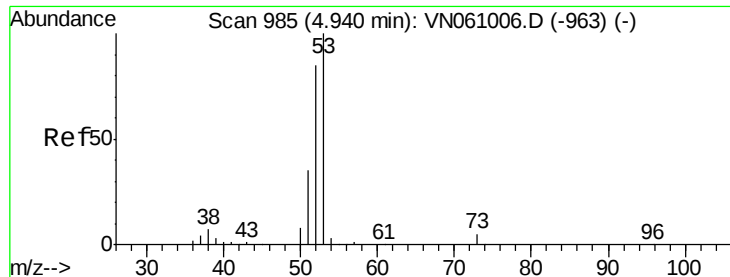
Ion Ratio Lower Upper

41 100

39 73.0 56.3 84.5

76 34.3 27.7 41.5





#15

Acrylonitrile

Concen: 245.261 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

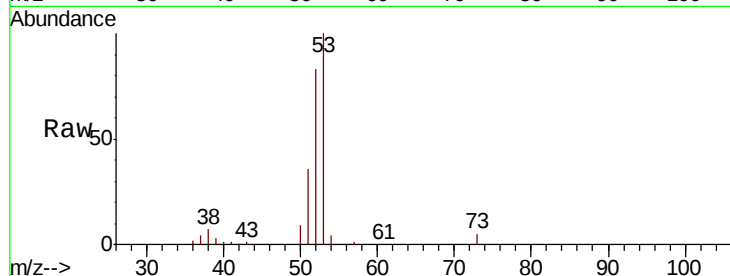
Tot Ion: 53 Resp: 233246

Ion Ratio Lower Upper

53 100

52 82.7 66.8 100.2

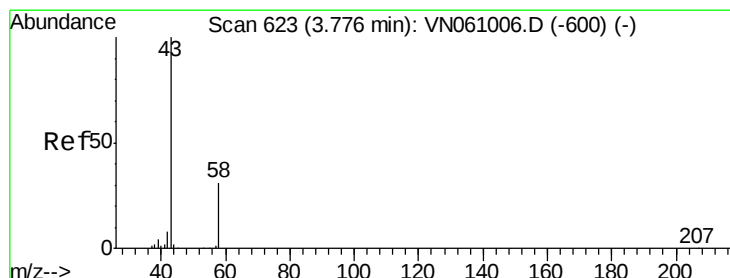
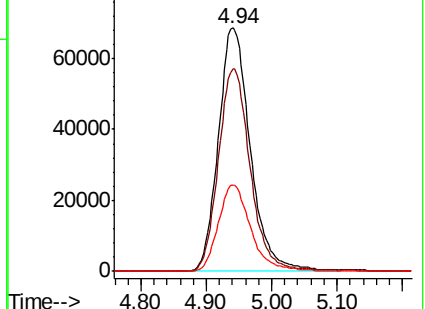
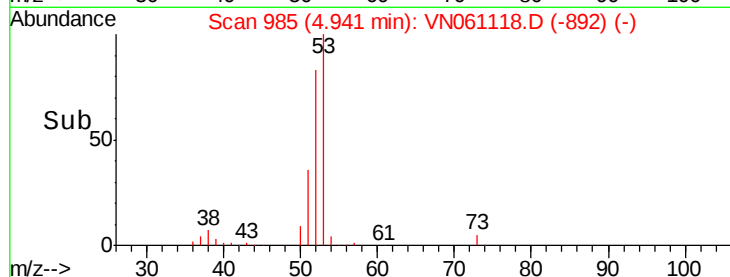
51 36.1 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061118.D (-892) (-)

Ion 52.00 (51.70 to 52.70): VN061118.D (-892) (-)

Ion 51.00 (50.70 to 51.70): VN061118.D (-892) (-)



#16

Acetone

Concen: 212.697 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061118.D

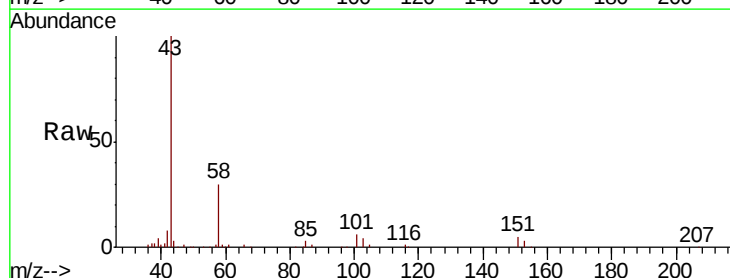
Acq: 20 Apr 2020 22:16

Tgt Ion: 43 Resp: 185072

Ion Ratio Lower Upper

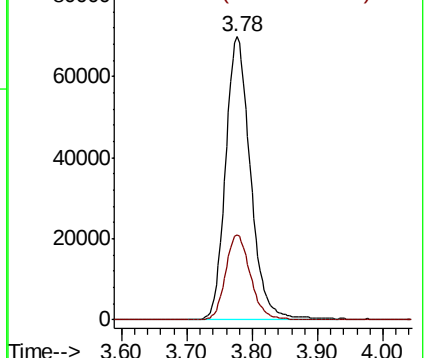
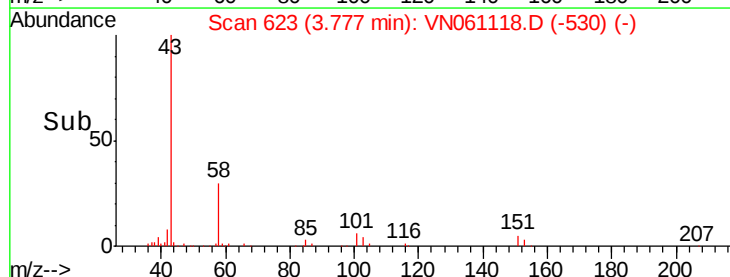
43 100

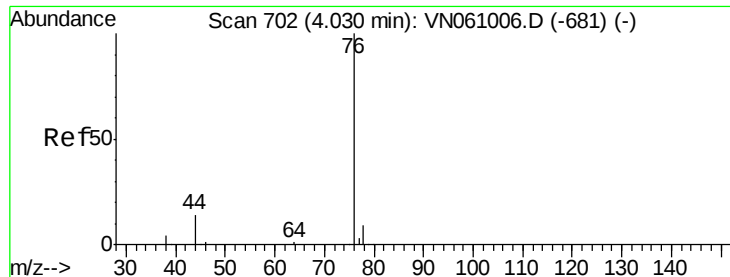
58 30.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061118.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061118.D (-530) (-)

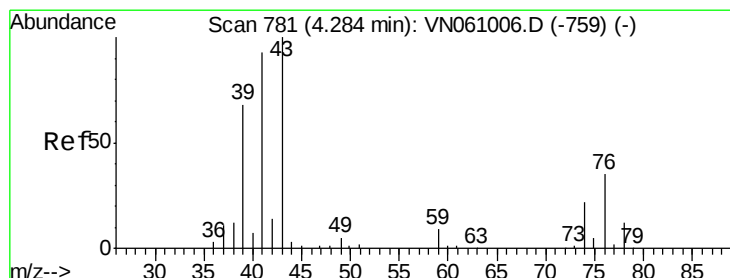
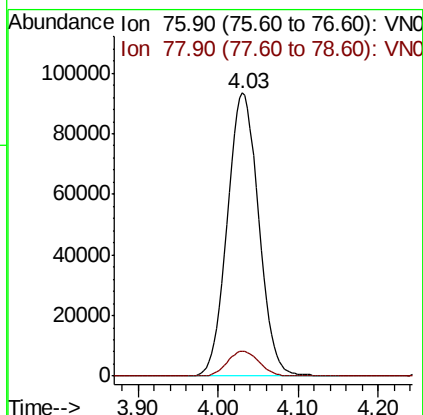
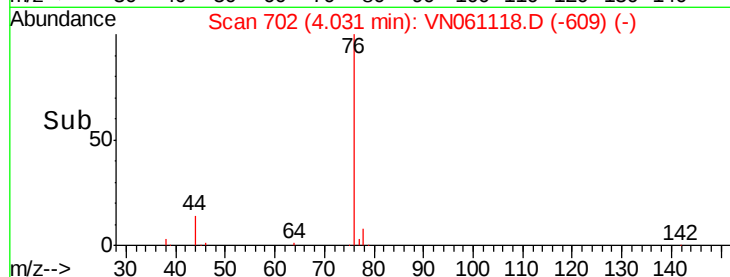
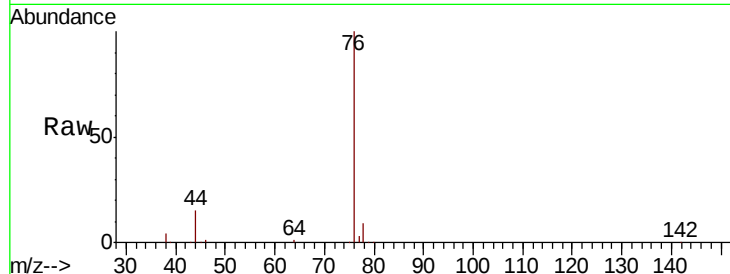




#17
Carbon Disulfide
Concen: 47.062 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

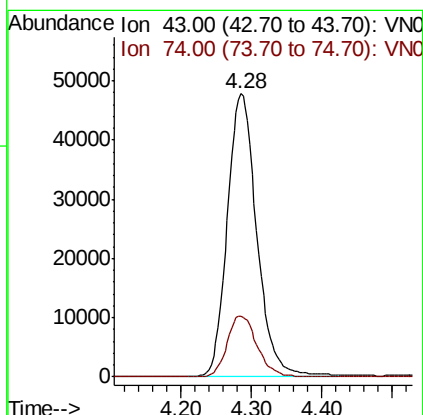
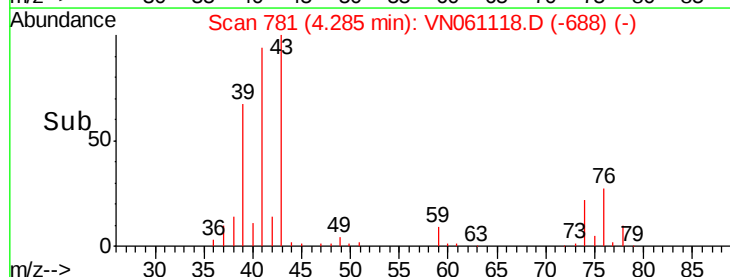
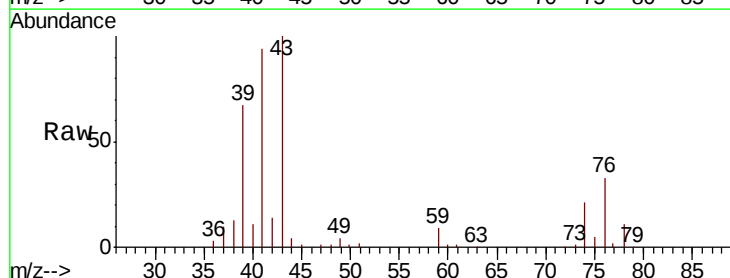
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

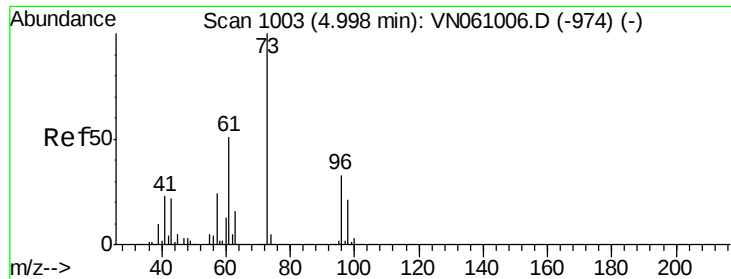
Tot Ion: 76 Resp: 248999
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4



#18
Methyl Acetate
Concen: 51.404 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 43 Resp: 140255
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.0

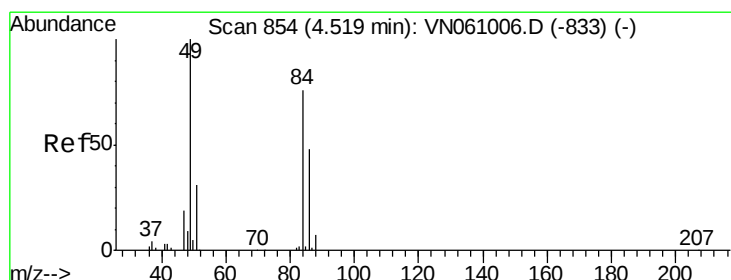
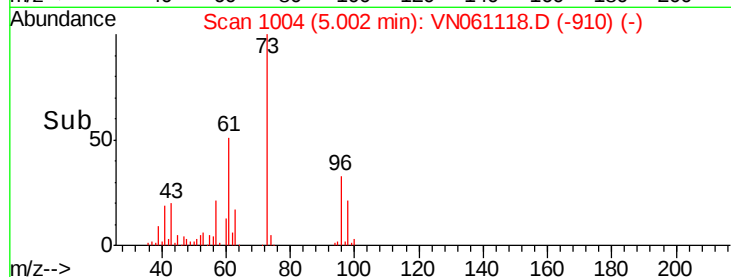
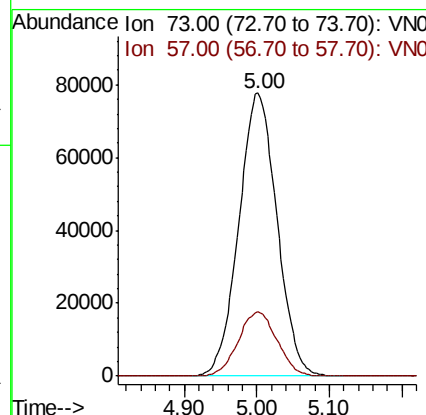
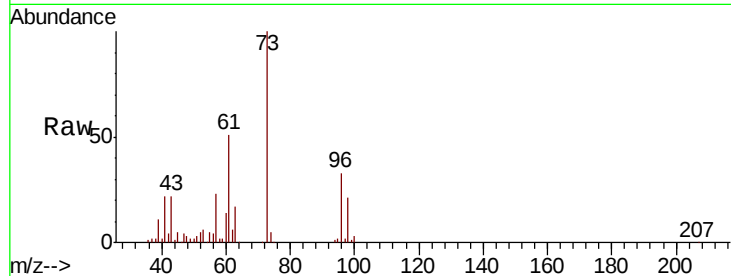




#19
Methvl tert-butvl Ether
Concen: 48.221 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

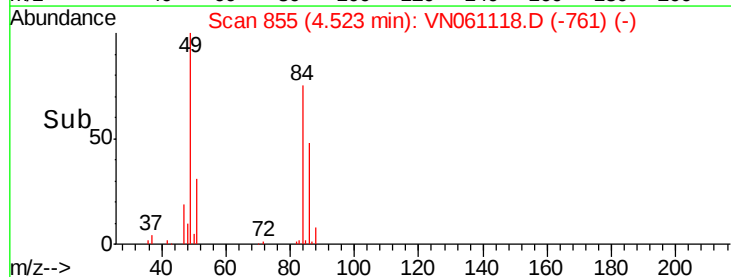
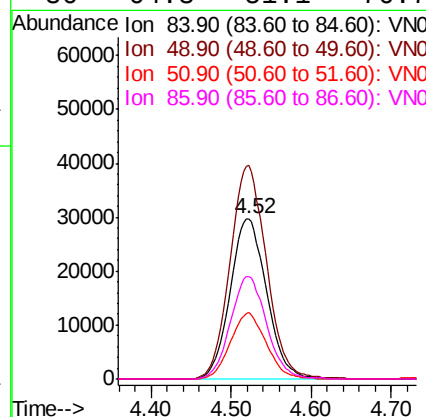
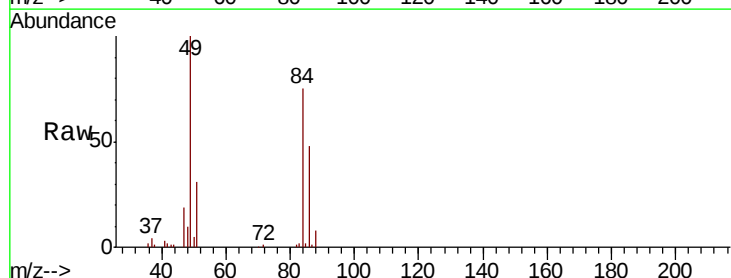
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

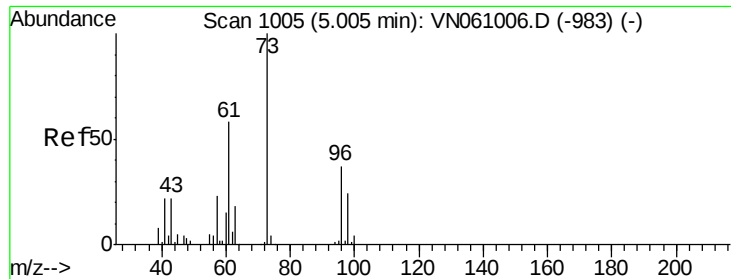
Tot Ion: 73 Resp: 284293
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.4



#20
Methylene Chloride
Concen: 48.717 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 84 Resp: 92552
Ion Ratio Lower Upper
84 100
49 133.3 105.8 158.6
51 41.4 32.4 48.6
86 64.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.068 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

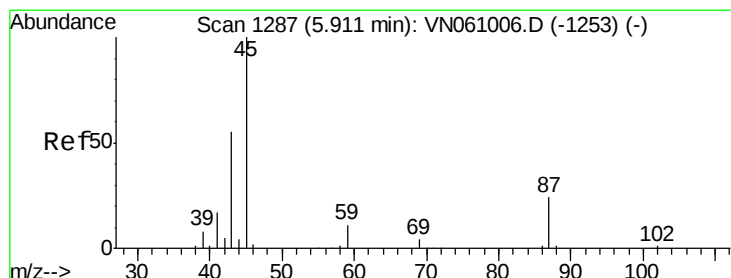
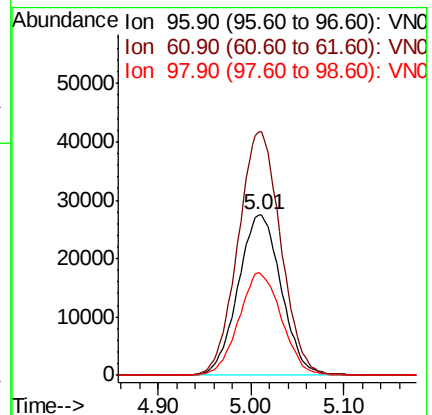
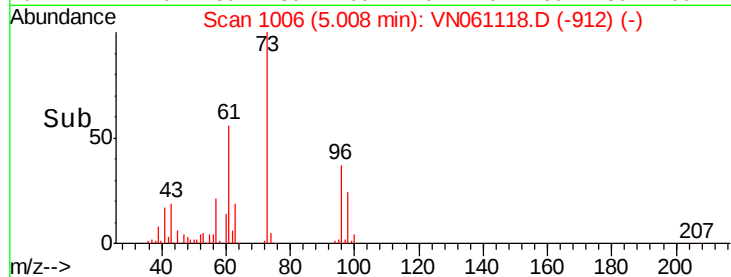
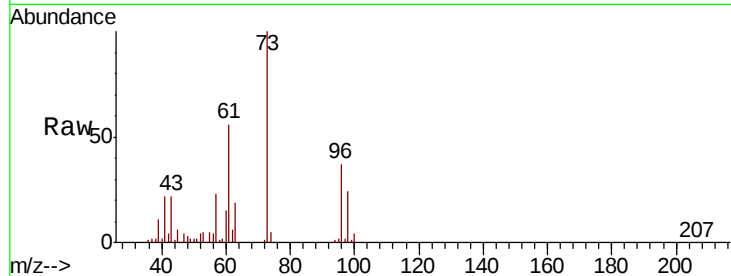
Tot Ion: 96 Resp: 88738

Ion Ratio Lower Upper

96 100

61 151.2 124.8 187.2

98 63.6 51.3 76.9



#22

Diisopropyl ether

Concen: 49.411 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion: 45 Resp: 328307

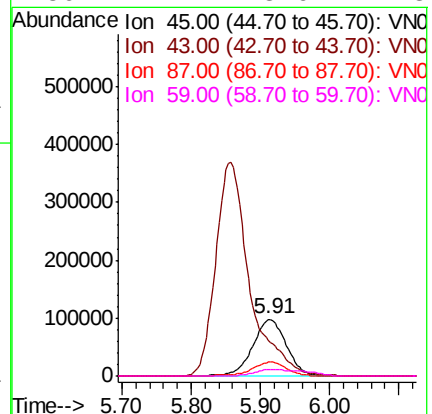
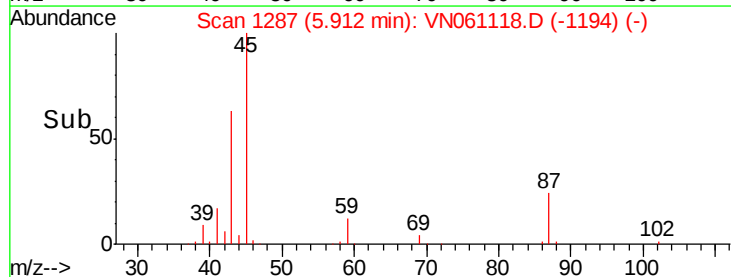
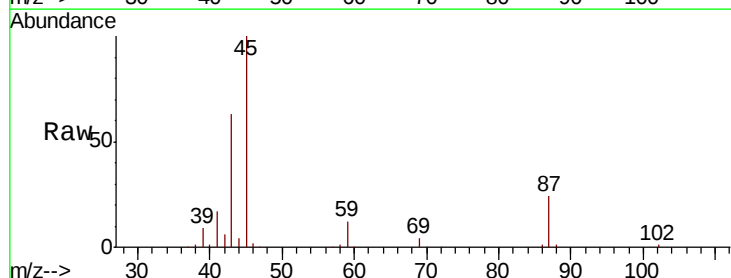
Ion Ratio Lower Upper

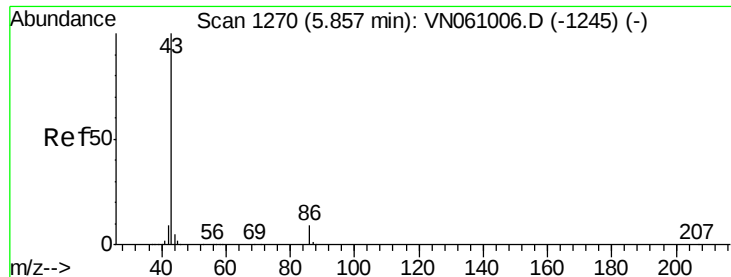
45 100

43 62.0 48.6 72.8

87 24.5 19.4 29.2

59 11.4 8.6 12.8





#23

Vinyl Acetate

Concen: 240.769 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

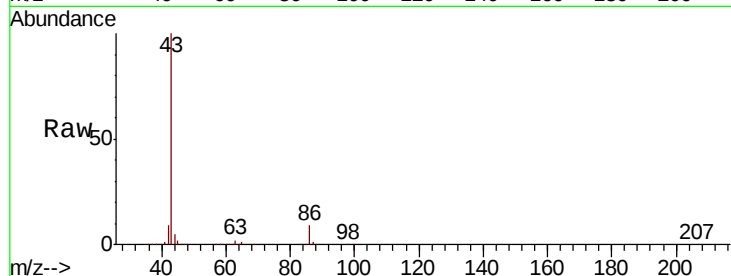
VSTDCCC050

Tot Ion: 43 Resp: 1254491

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN061118.D (-1177) (-)

Ion 86.00 (85.70 to 86.70): VN061118.D (-1177) (-)

5.86

400000

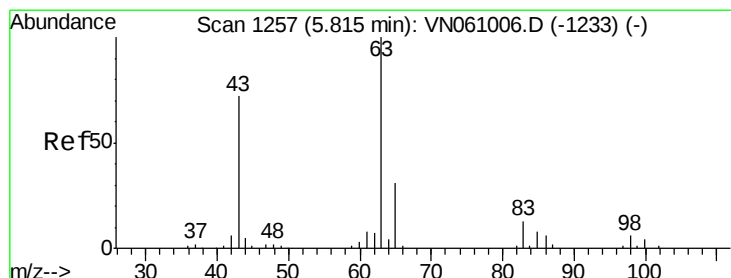
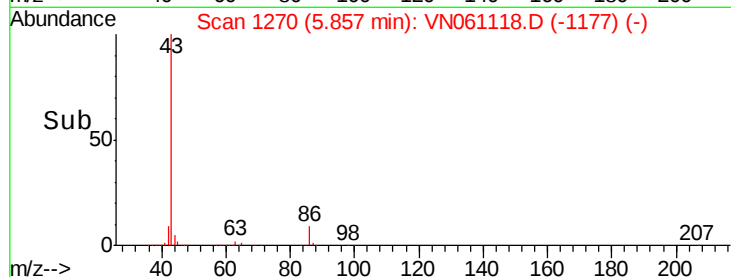
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.708 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

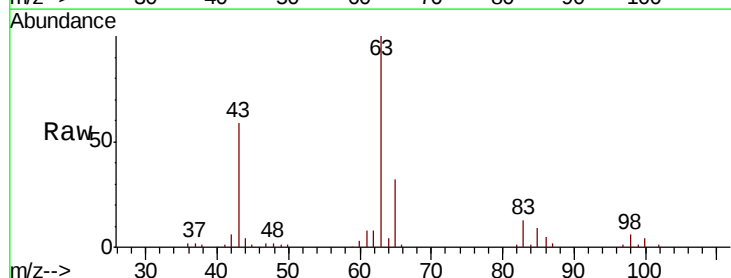
Tgt Ion: 63 Resp: 174795

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061118.D (-1164) (-)

Ion 97.90 (97.60 to 98.60): VN061118.D (-1164) (-)

Ion 99.90 (99.60 to 100.60): VN061118.D (-1164) (-)

5.82

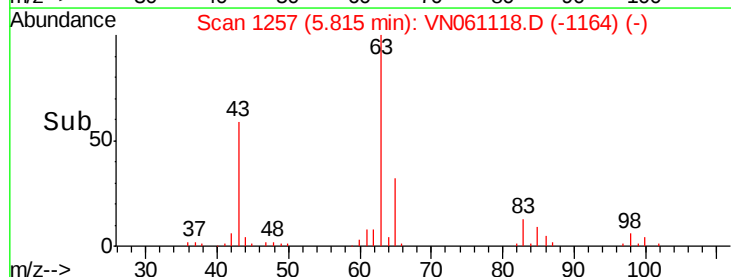
60000

40000

20000

0

Time-->

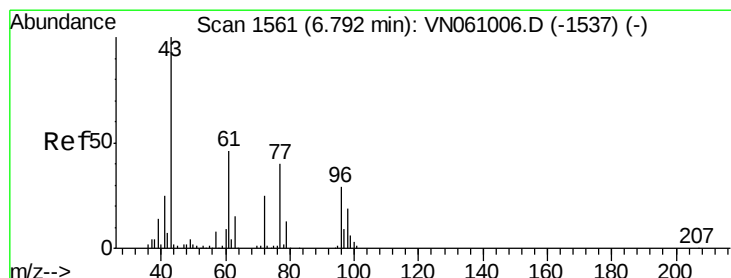
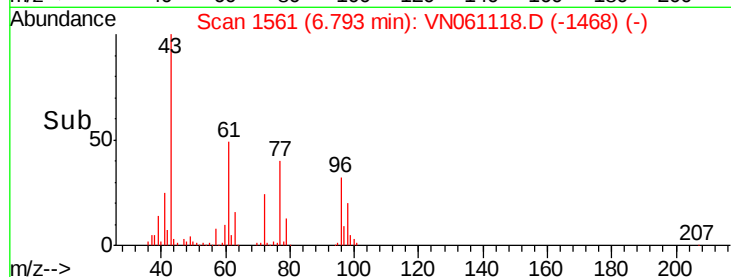
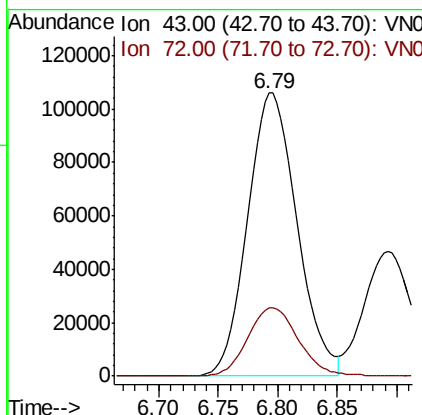
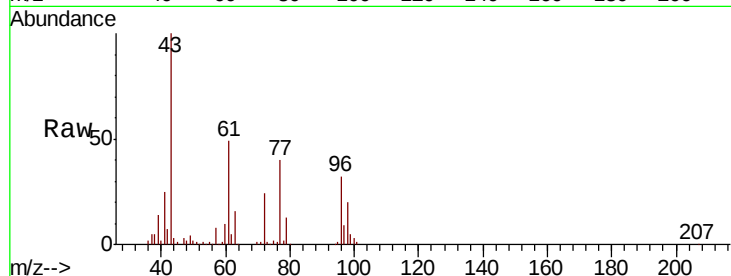




#25
2-Butanone
Concen: 228.566 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

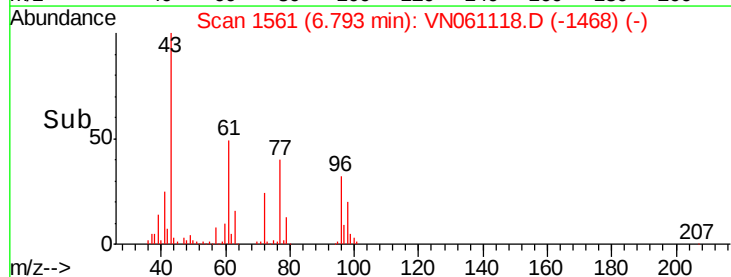
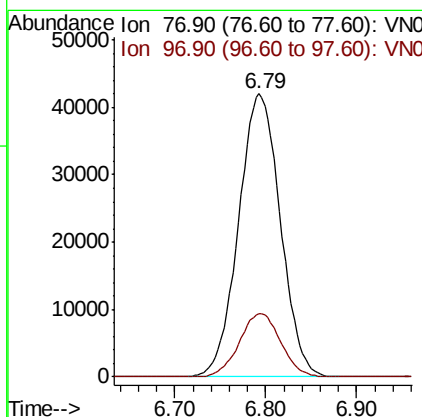
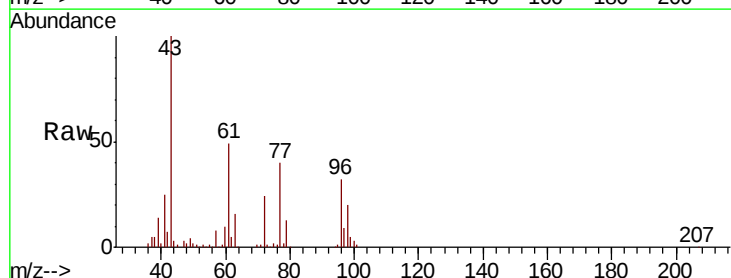
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 304757
Ion Ratio Lower Upper
43 100
72 24.2 19.6 29.4



#26
2,2-Dichloropropane
Concen: 44.778 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 77 Resp: 133795
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.595 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

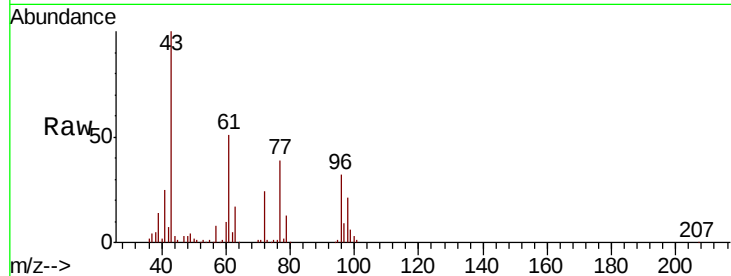
Tot Ion: 96 Resp: 100896

Ion Ratio Lower Upper

96 100

61 157.3 0.0 317.4

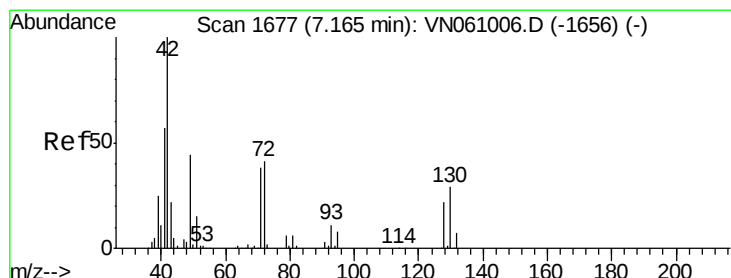
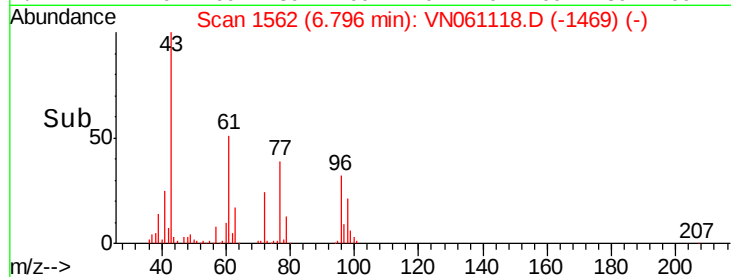
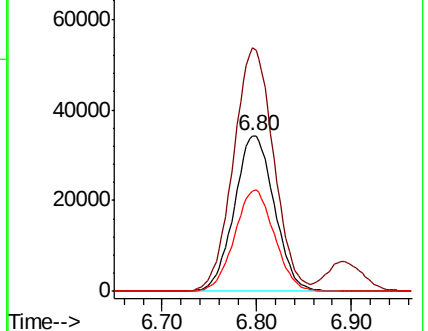
98 64.8 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN061118.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN061118.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN061118.D (-1469) (-)



#28

Bromochloromethane

Concen: 48.730 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

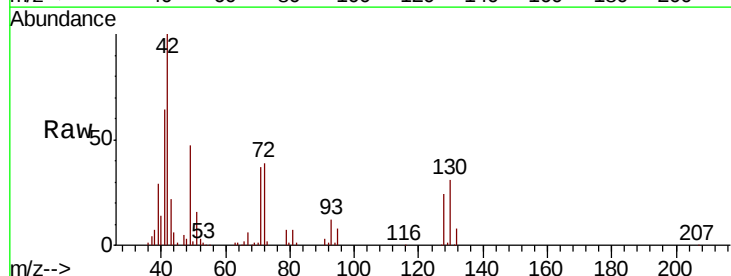
Tgt Ion: 49 Resp: 80271

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.0

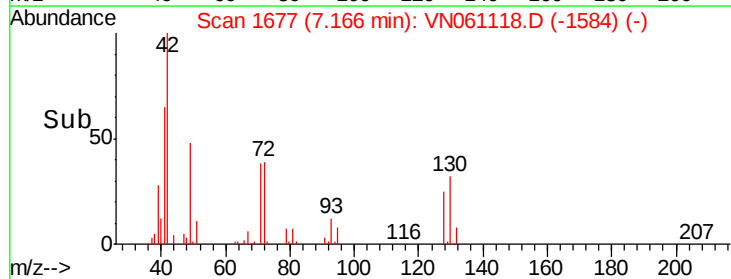
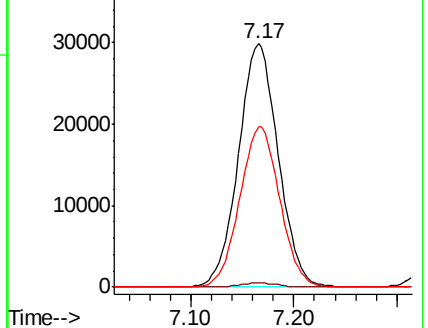
130 66.1 52.9 79.3

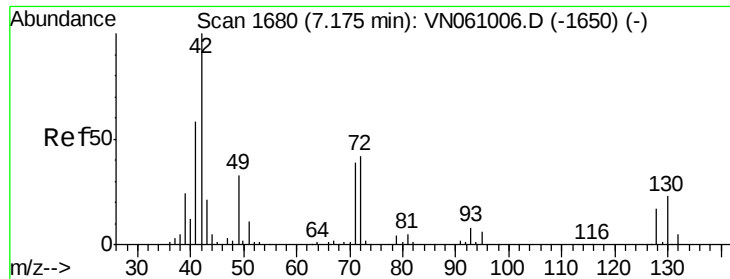


Abundance Ion 48.90 (48.60 to 49.60): VN061118.D (-1584) (-)

Ion 128.80 (128.50 to 129.50): VN061118.D (-1584) (-)

Ion 129.80 (129.50 to 130.50): VN061118.D (-1584) (-)

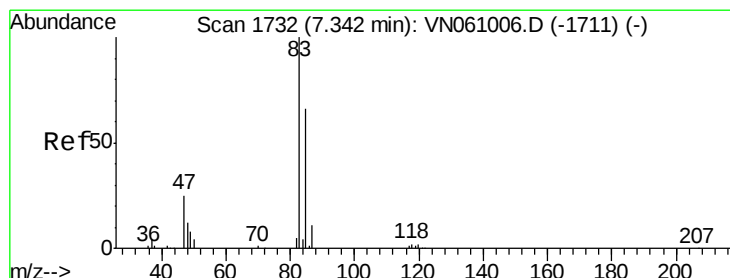
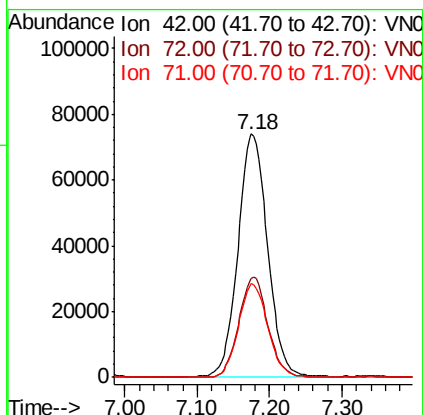
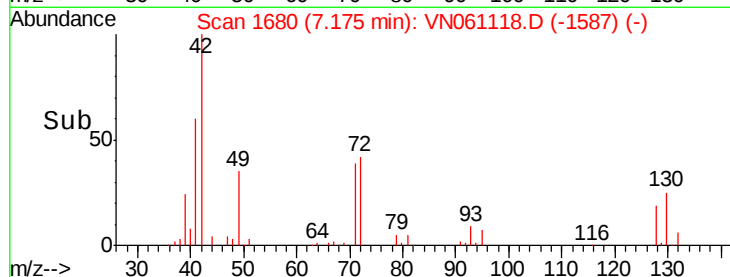
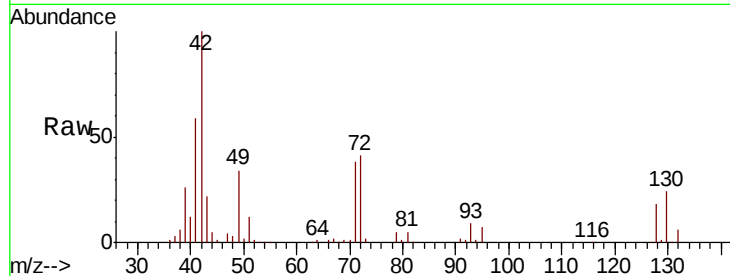




#29
Tetrahydrofuran
Concen: 233.138 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

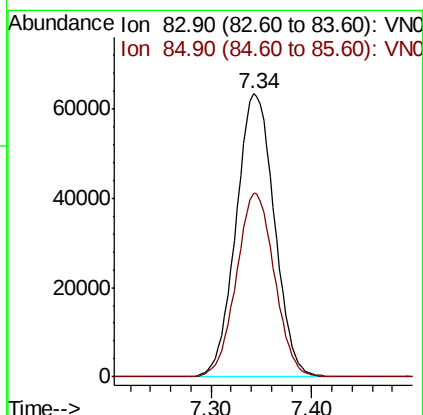
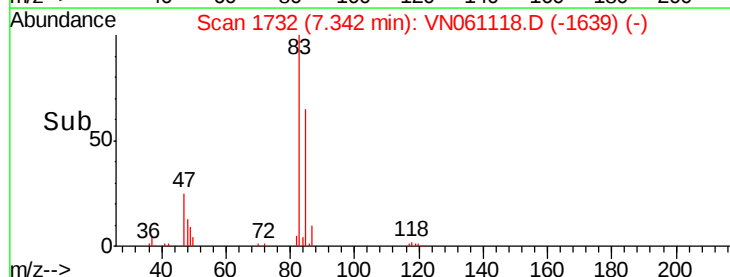
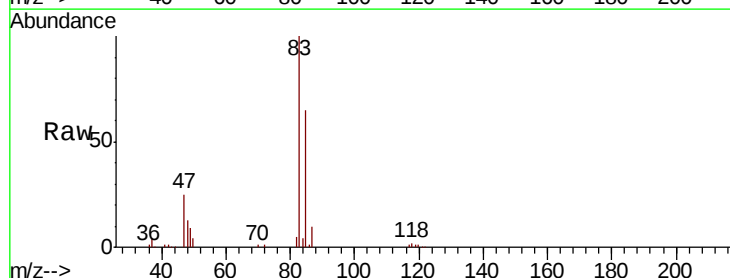
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

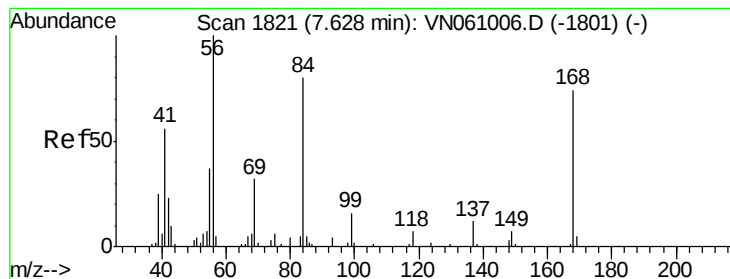
Tot Ion: 42 Resp: 211035
Ion Ratio Lower Upper
42 100
72 40.2 32.1 48.1
71 37.8 30.5 45.7



#30
Chloroform
Concen: 49.823 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 83 Resp: 166769
Ion Ratio Lower Upper
83 100
85 65.1 52.8 79.2





#31

Cyclohexane

Concen: 45.615 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

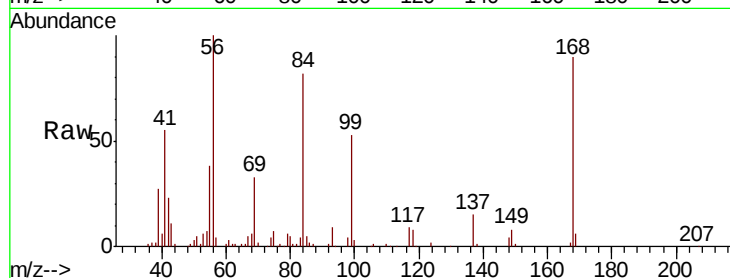
Tot Ion: 56 Resp: 167974

Ion Ratio Lower Upper

56 100

69 32.8 25.6 38.4

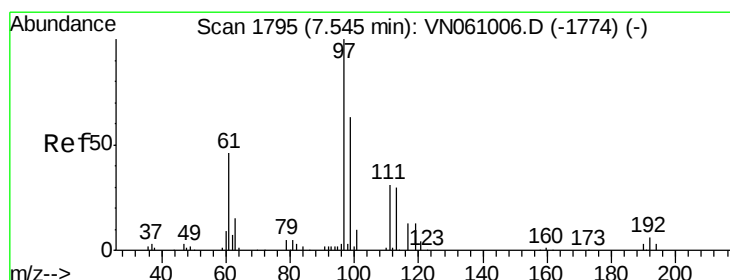
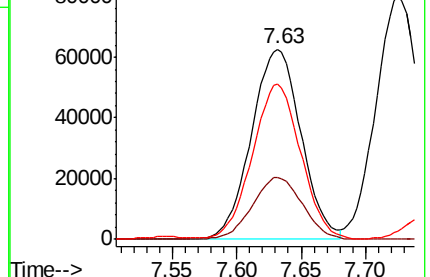
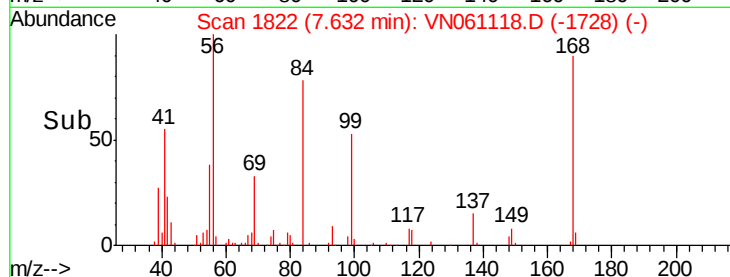
84 80.8 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VN061118.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN061118.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN061118.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 49.394 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

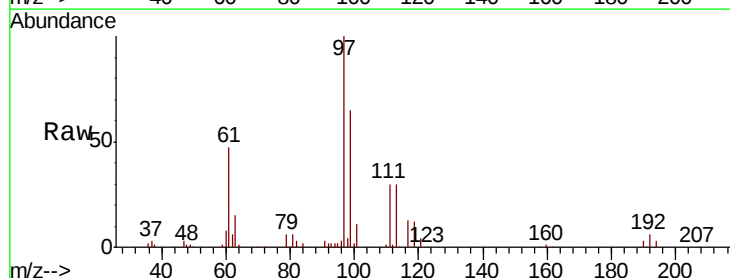
Tgt Ion: 97 Resp: 143008

Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

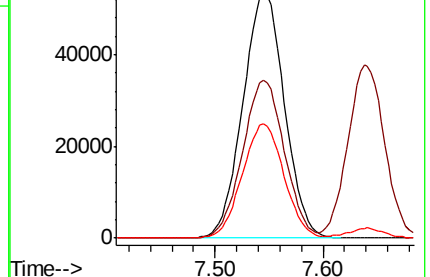
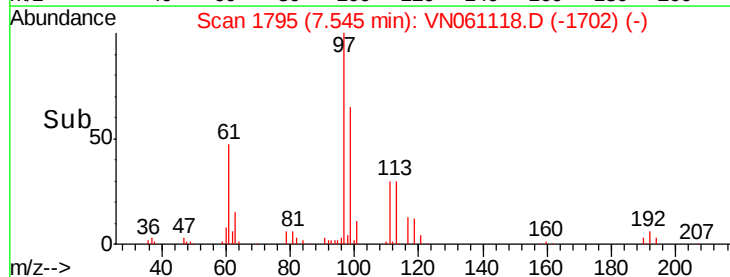
61 46.9 37.0 55.6

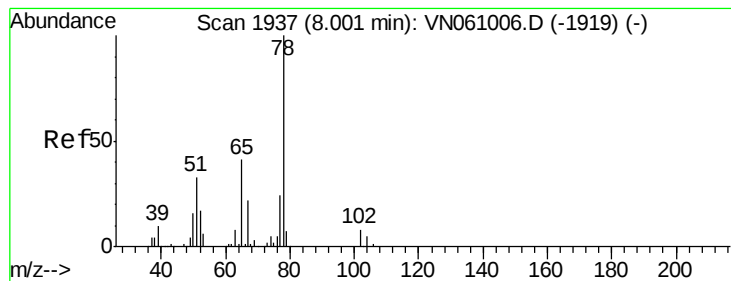


Abundance Ion 96.90 (96.60 to 97.60): VN061118.D (-1702) (-)

Ion 98.90 (98.60 to 99.60): VN061118.D (-1702) (-)

Ion 60.90 (60.60 to 61.60): VN061118.D (-1702) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.439 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

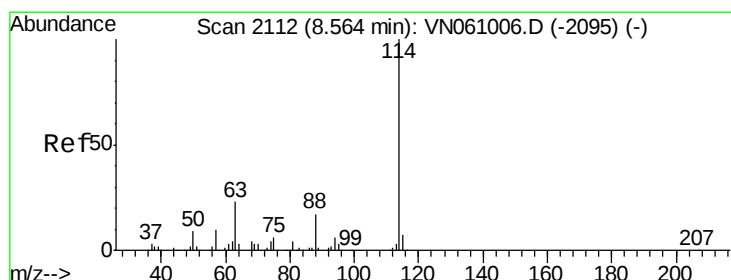
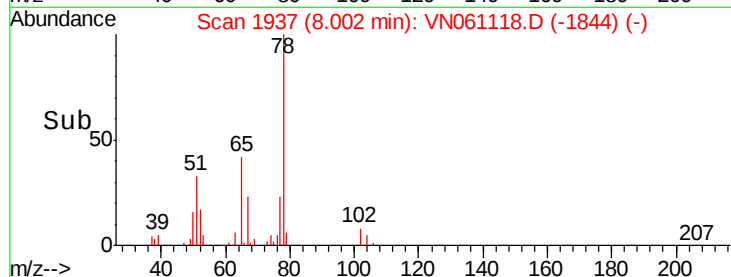
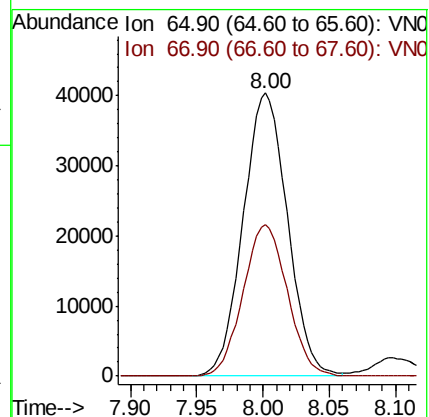
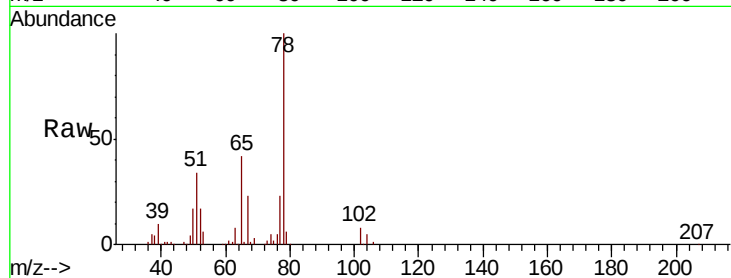
VSTDCCC050

Tot Ion: 65 Resp: 93781

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

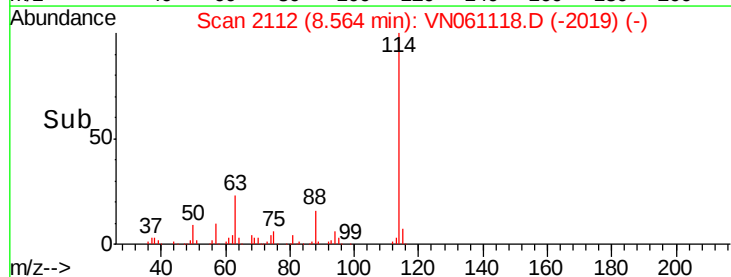
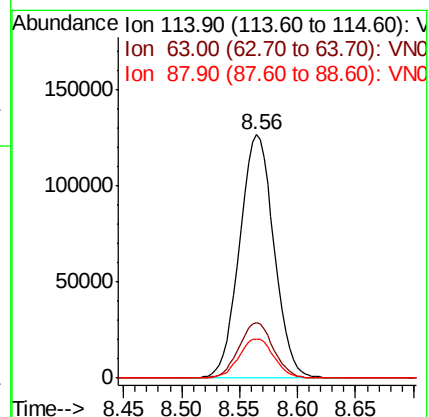
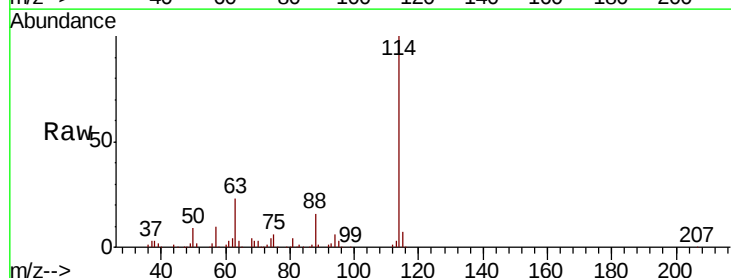
Tgt Ion: 114 Resp: 261097

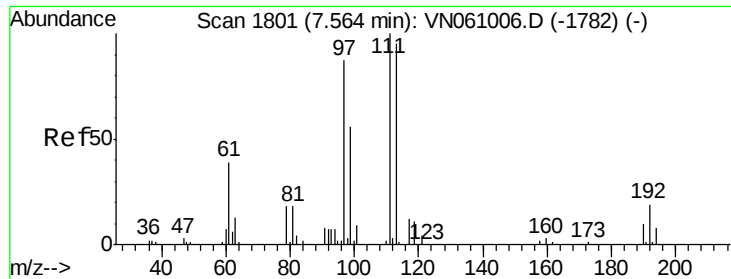
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.2

88 16.2 0.0 33.4

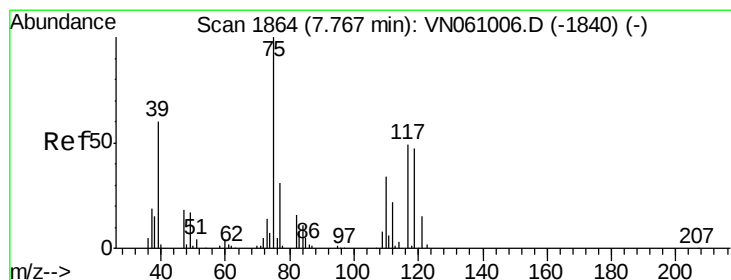
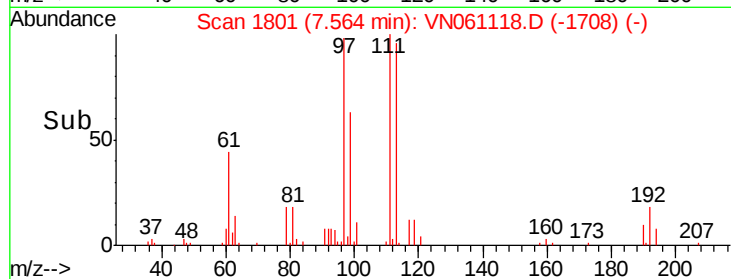
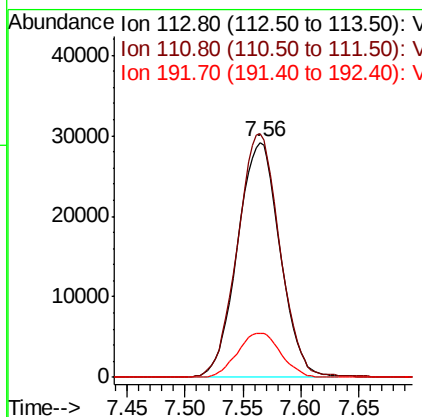
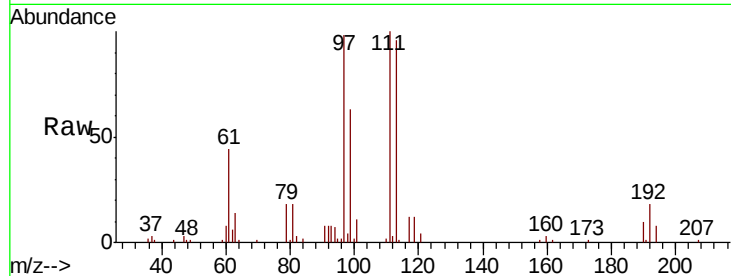




#35
 Dibromofluoromethane
 Concen: 48.820 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

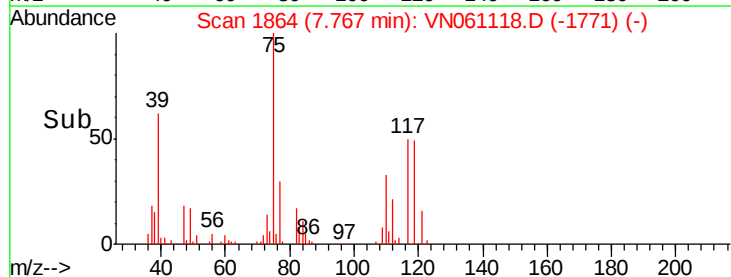
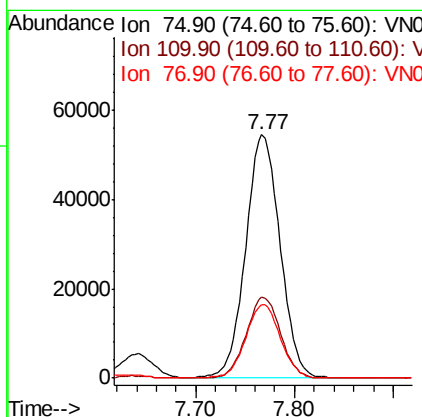
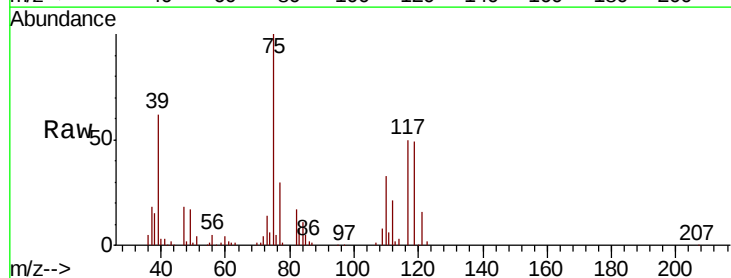
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

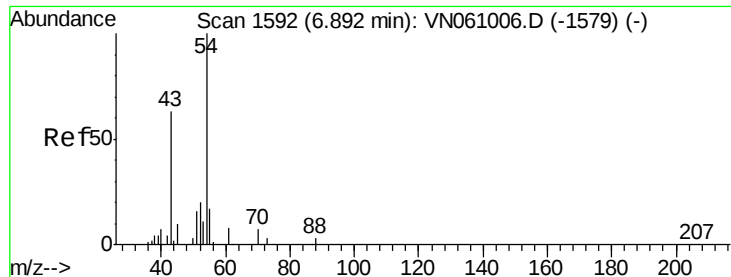
Tot Ion:113 Resp: 74440
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.2
 192 19.1 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 48.846 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion: 75 Resp: 131607
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.8 50.3
 77 30.6 24.7 37.1

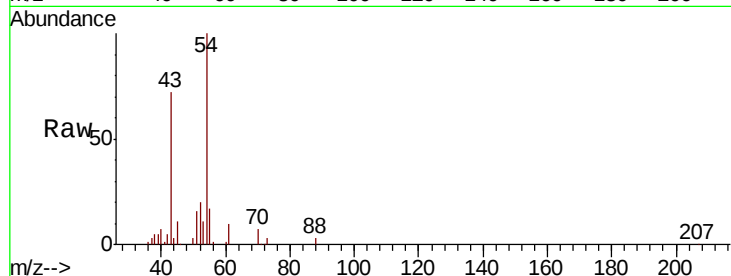




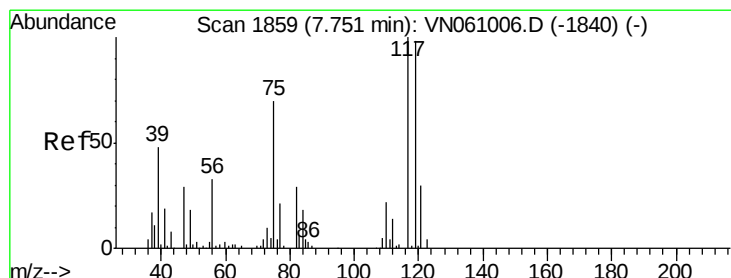
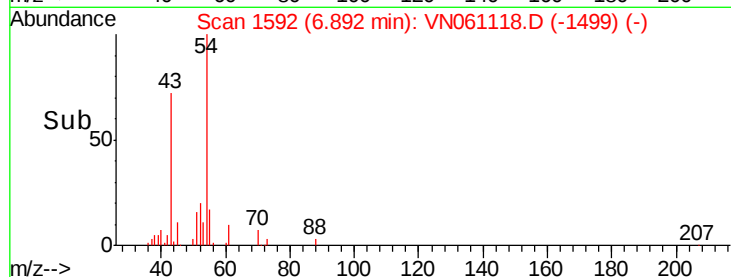
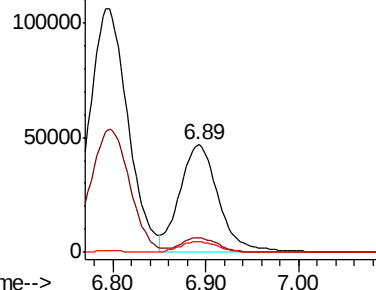
#37
Ethyl Acetate
Concen: 45.847 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 134128
Ion Ratio Lower Upper
43 100
61 13.4 10.9 16.3
70 9.9 7.7 11.5

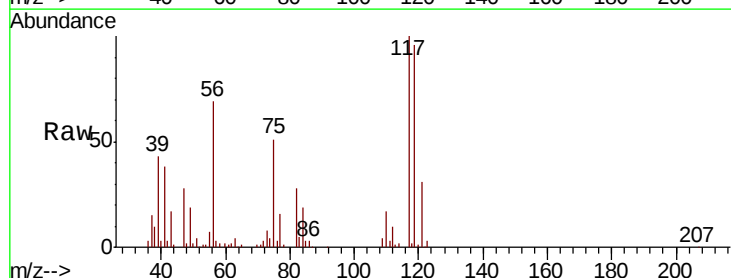


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

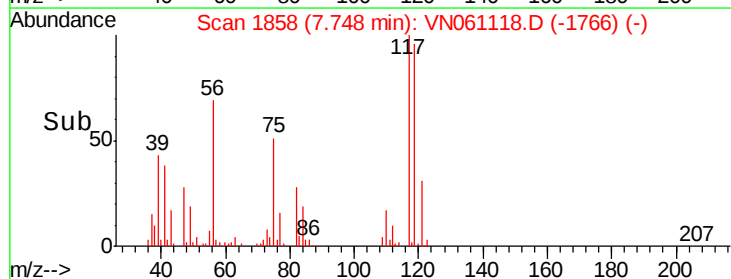
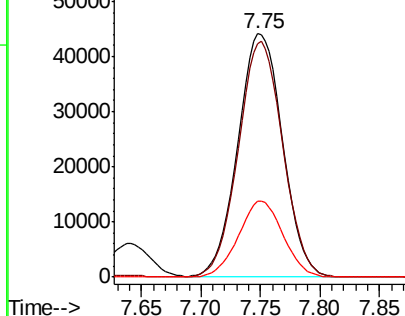


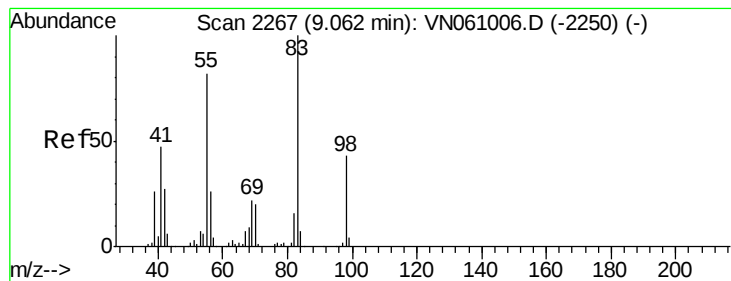
#38
Carbon Tetrachloride
Concen: 51.257 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 117 Resp: 114953
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1
121 31.1 24.0 36.0



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

Methvlcvclohexane

Concen: 47.565 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

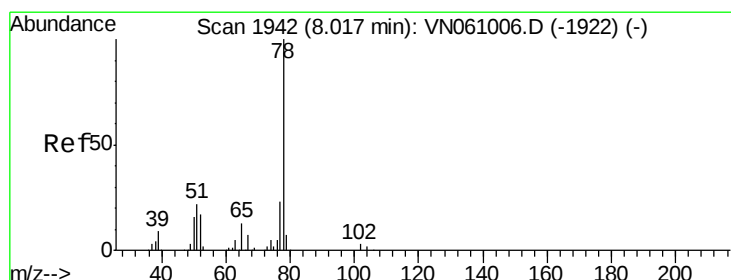
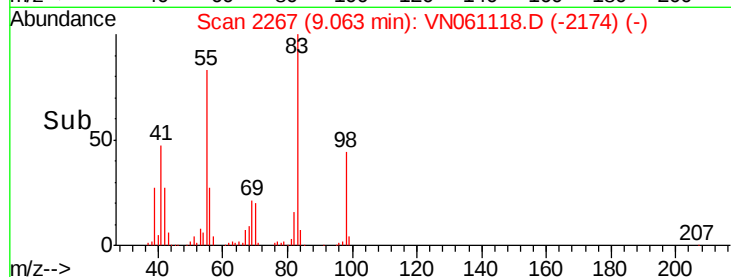
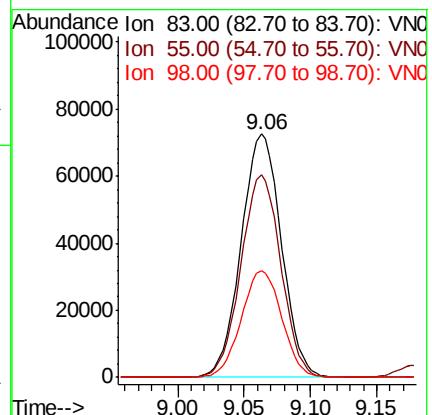
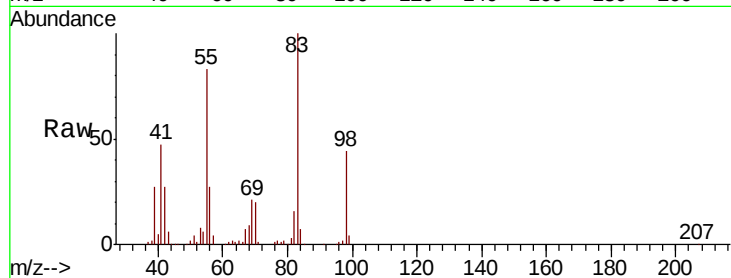
Tot Ion: 83 Resp: 153214

Ion Ratio Lower Upper

83 100

55 83.2 65.4 98.0

98 43.8 34.6 51.8



#40

Benzene

Concen: 48.401 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN061118.D

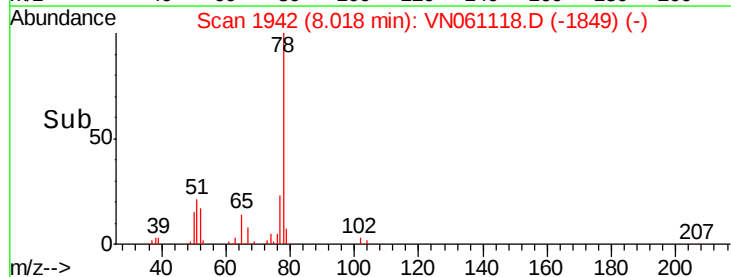
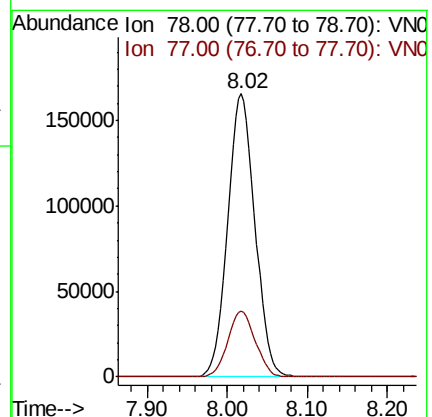
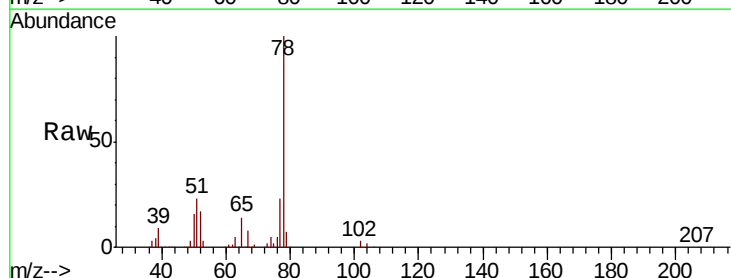
Acq: 20 Apr 2020 22:16

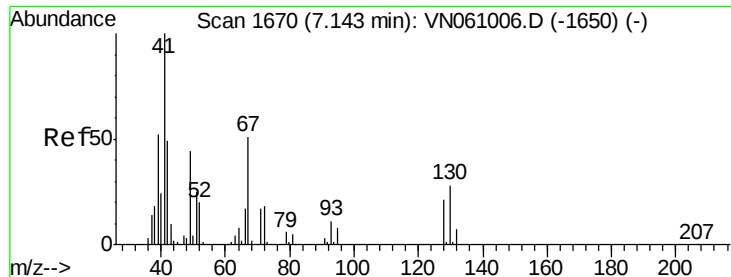
Tgt Ion: 78 Resp: 386871

Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2

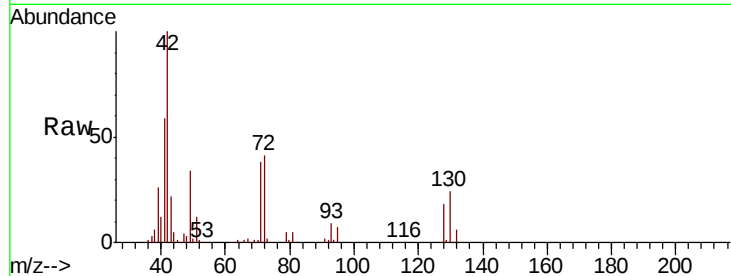




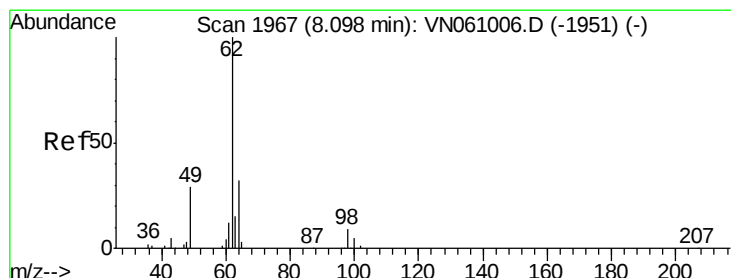
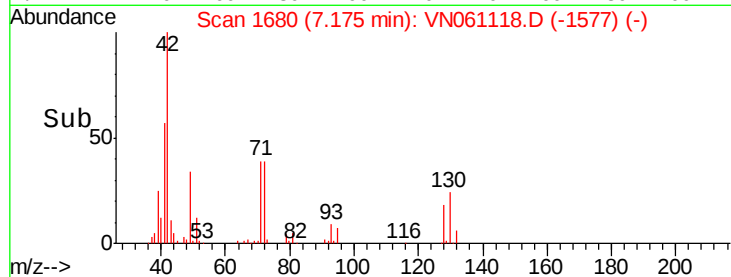
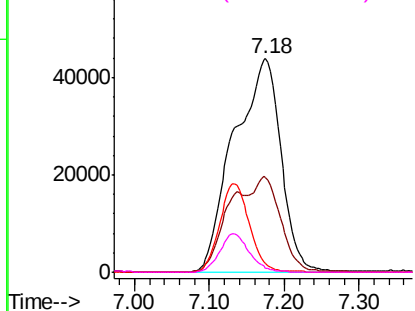
#41
Methacrylonitrile
Concen: 157.113 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	191717
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

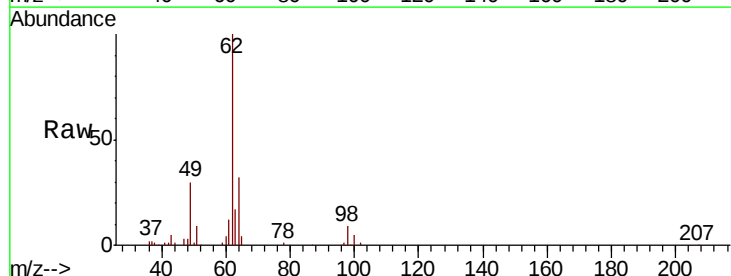


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

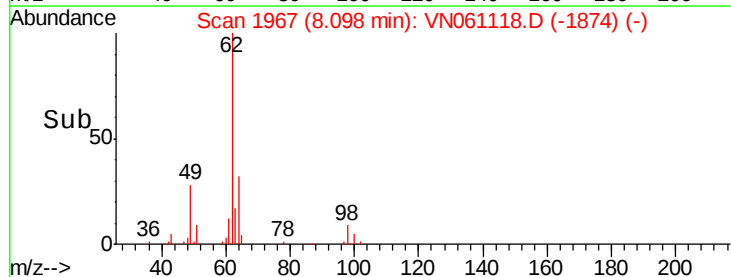
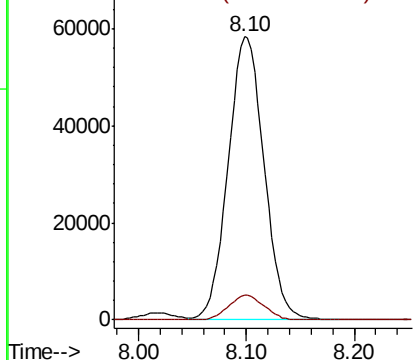


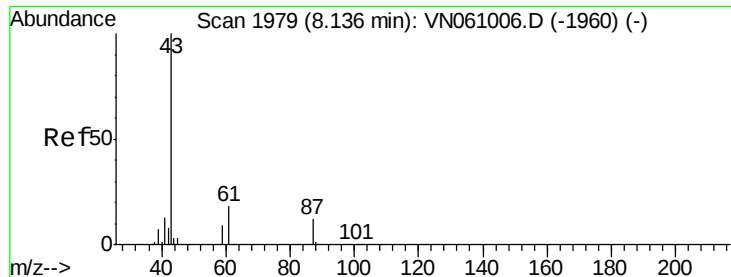
#42
1,2-Dichloroethane
Concen: 49.824 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion:	62	Resp:	135665
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.191 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

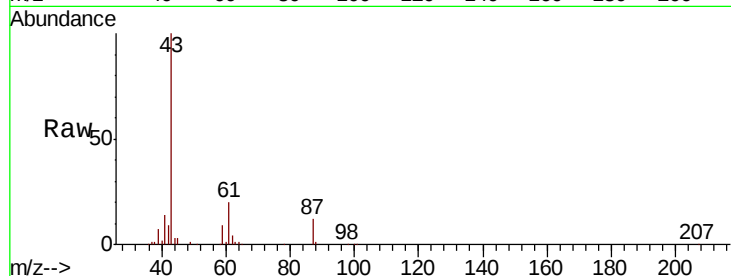
Tot Ion: 43 Resp: 229294

Ion Ratio Lower Upper

43 100

61 25.7 20.3 30.5

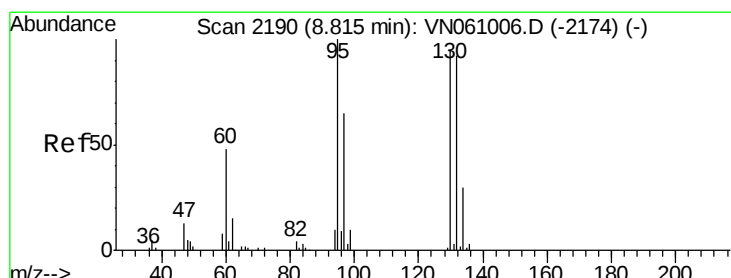
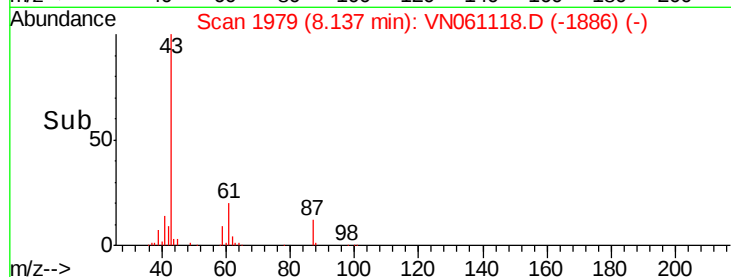
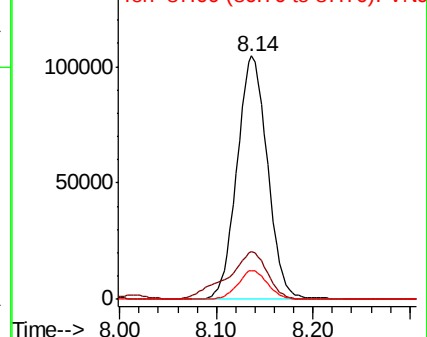
87 11.6 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN061118.D (-1960) (-)

Ion 61.00 (60.70 to 61.70): VN061118.D (-1960) (-)

Ion 87.00 (86.70 to 87.70): VN061118.D (-1960) (-)



#44

Trichloroethene

Concen: 47.710 ug/l

RT: 8.82 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061118.D

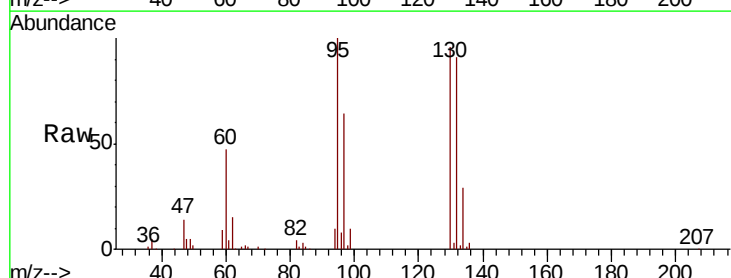
Acq: 20 Apr 2020 22:16

Tgt Ion: 130 Resp: 95821

Ion Ratio Lower Upper

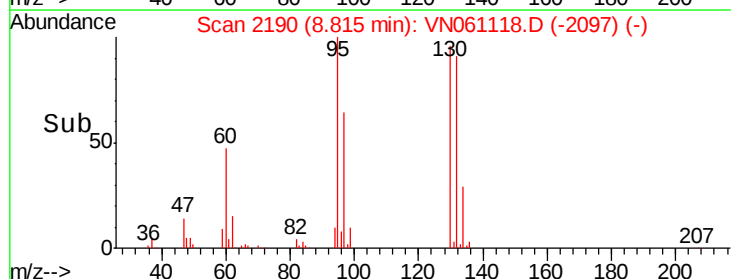
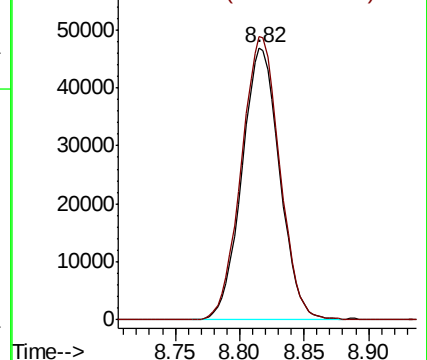
130 100

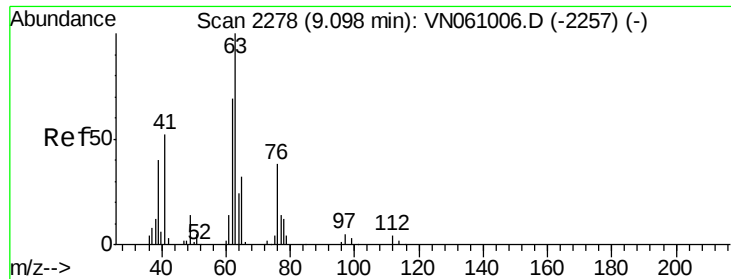
95 103.9 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061118.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN061118.D (-2174) (-)

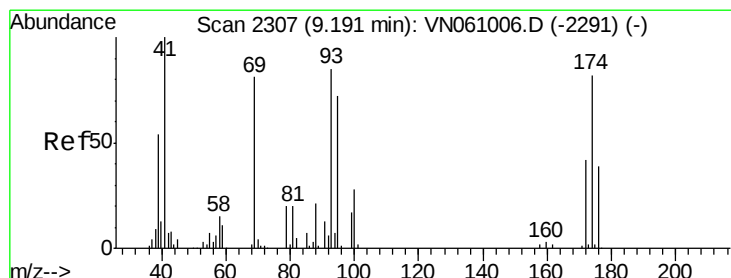
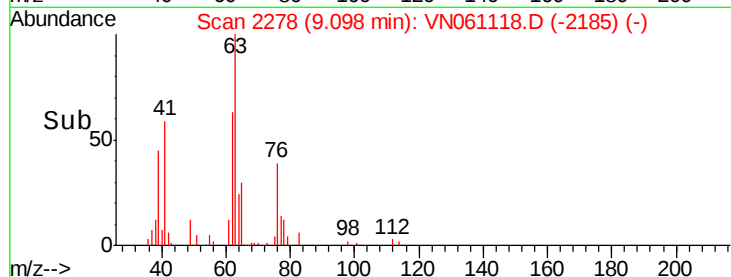
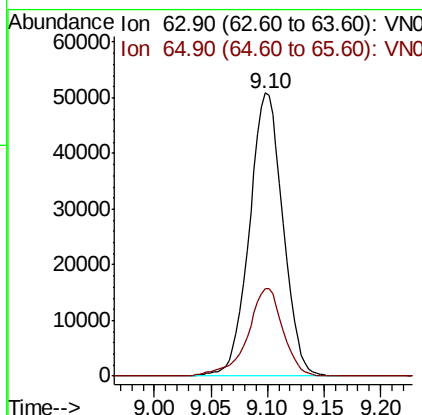
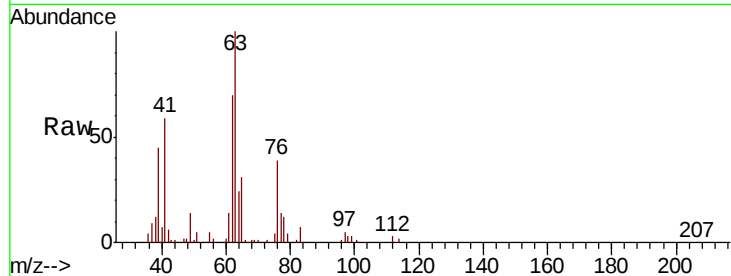




#45
 1,2-Dichloropropane
 Concen: 48.585 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

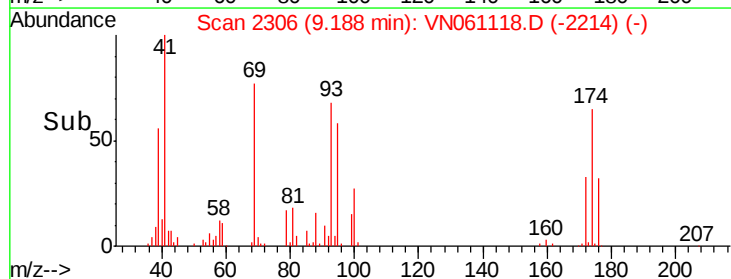
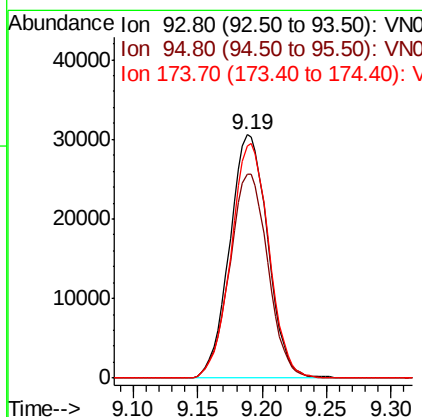
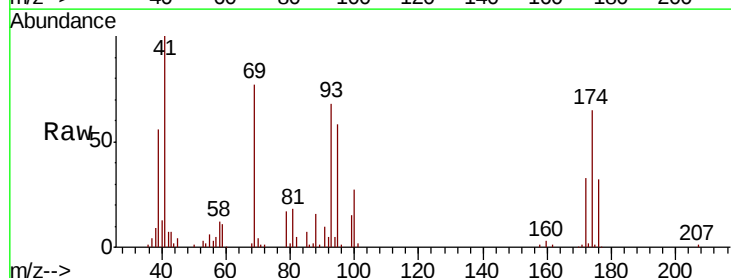
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

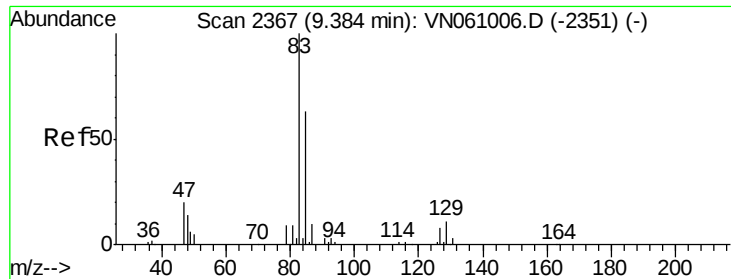
Tot Ion: 63 Resp: 104892
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.2 37.8



#46
 Dibromomethane
 Concen: 50.432 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion: 93 Resp: 62776
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 95.6 76.2 114.4





#47

Bromodichloromethane

Concen: 50.122 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

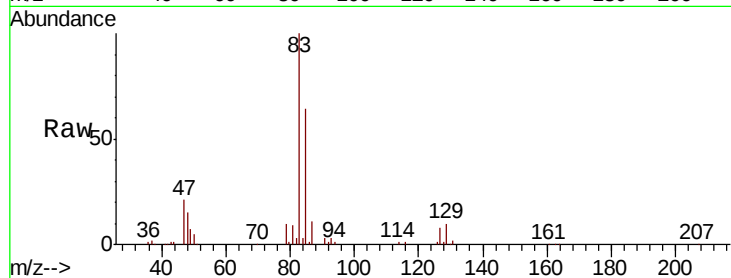
Tot Ion: 83 Resp: 131801

Ion Ratio Lower Upper

83 100

85 63.9 50.6 76.0

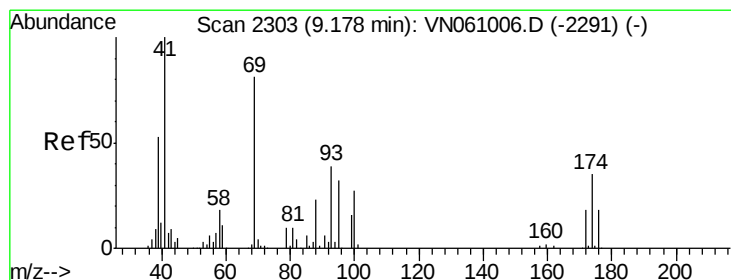
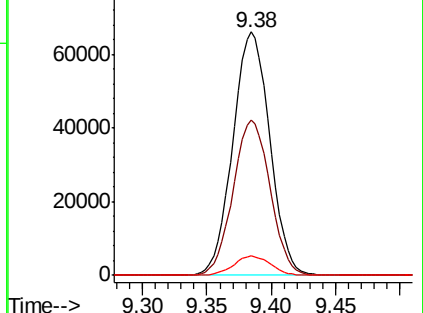
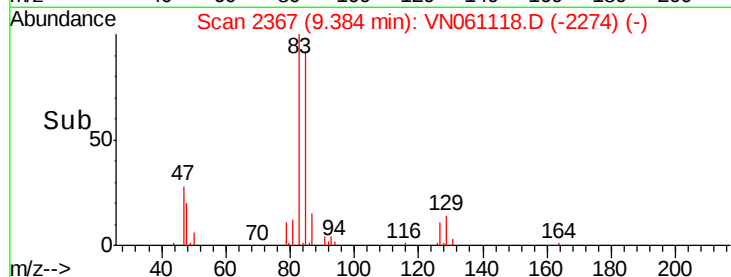
127 7.9 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061118.D (-2274) (-)

Ion 84.90 (84.60 to 85.60): VN061118.D (-2274) (-)

Ion 126.80 (126.50 to 127.50): VN061118.D (-2274) (-)



#48

Methyl methacrylate

Concen: 48.722 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

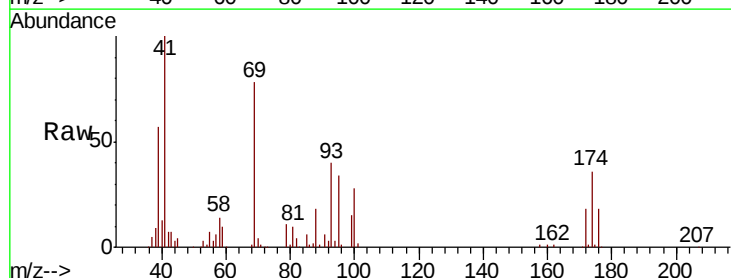
Tgt Ion: 41 Resp: 102447

Ion Ratio Lower Upper

41 100

69 80.5 65.3 97.9

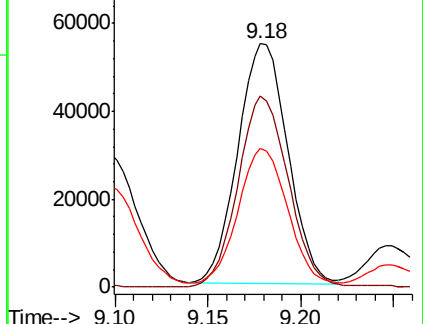
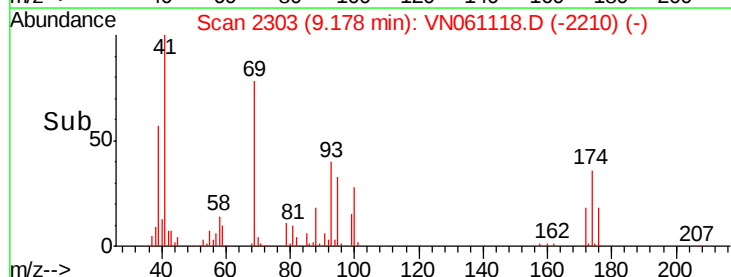
39 55.4 45.2 67.8



Abundance Ion 41.00 (40.70 to 41.70): VN061118.D (-2210) (-)

Ion 69.00 (68.70 to 69.70): VN061118.D (-2210) (-)

Ion 39.00 (38.70 to 39.70): VN061118.D (-2210) (-)

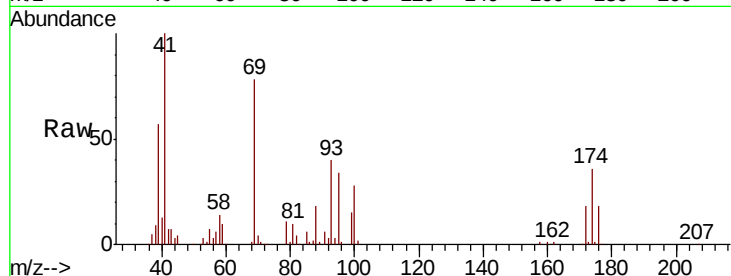




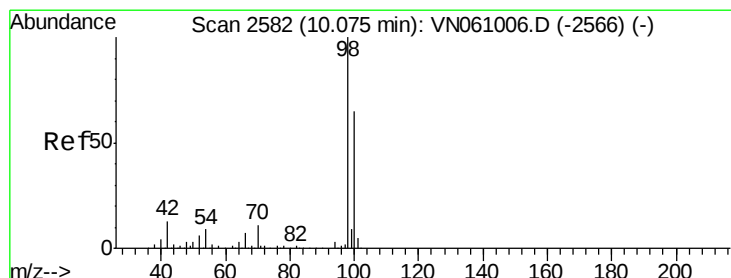
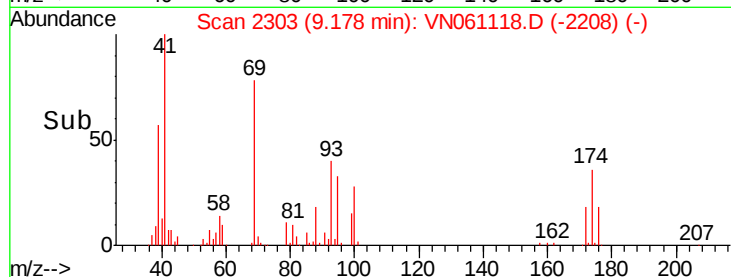
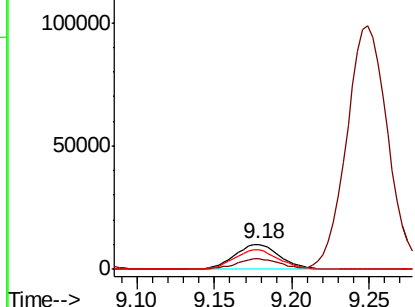
#49
1,4-Dioxane
Concen: 712.352 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 20681
Ion Ratio Lower Upper
88 100
43 40.1 30.9 46.3
58 77.3 59.8 89.8

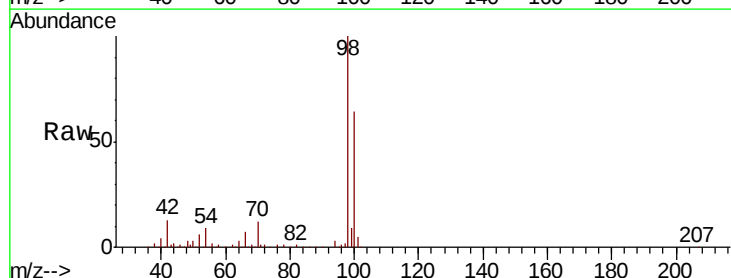


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

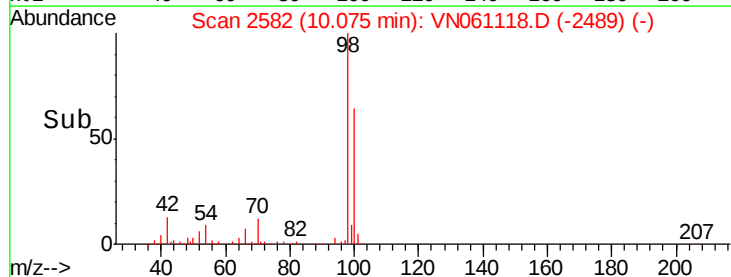
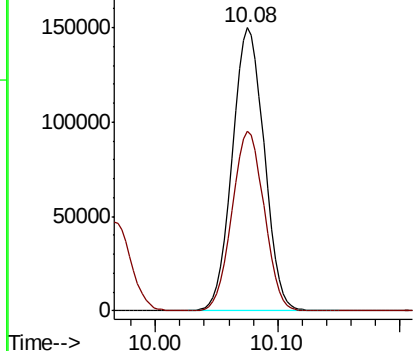


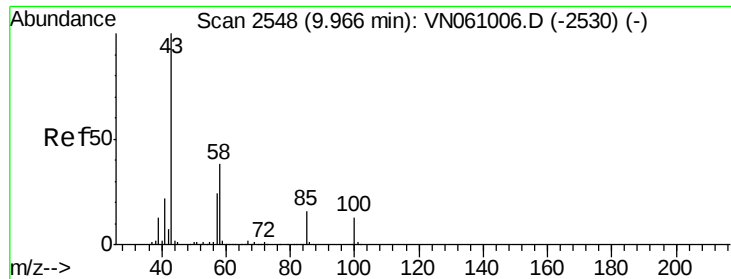
#50
Toluene-d8
Concen: 47.114 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 98 Resp: 271463
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 243.448 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

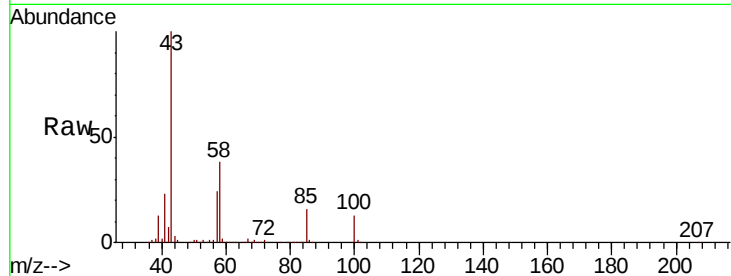
VSTDCCC050

Tot Ion: 43 Resp: 667746

Ion Ratio Lower Upper

43 100

58 37.9 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN061118.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061118.D (-2530) (-)

9.97

400000

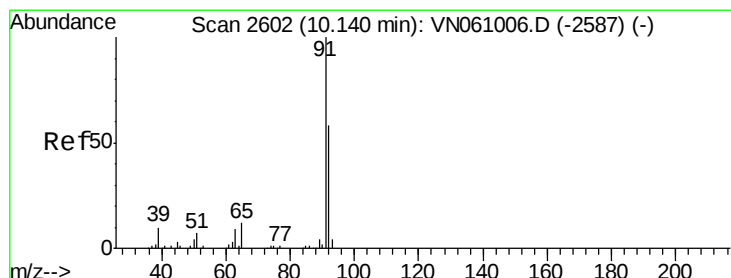
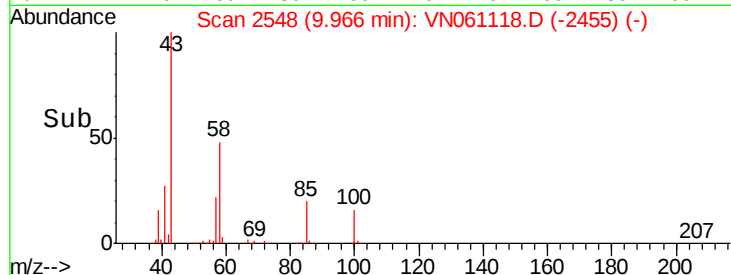
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.911 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061118.D

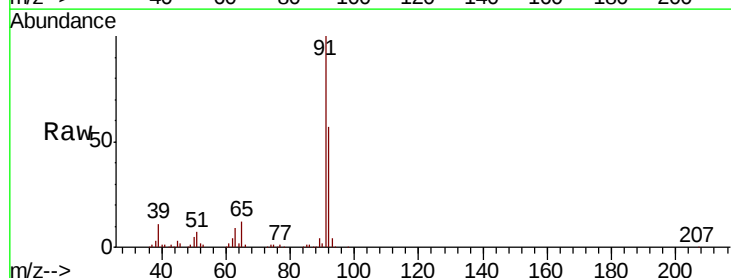
Acq: 20 Apr 2020 22:16

Tgt Ion: 92 Resp: 234536

Ion Ratio Lower Upper

92 100

91 173.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN061118.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN061118.D (-2587) (-)

10.14

250000

200000

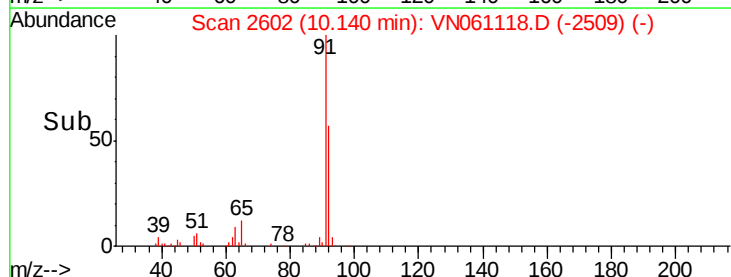
150000

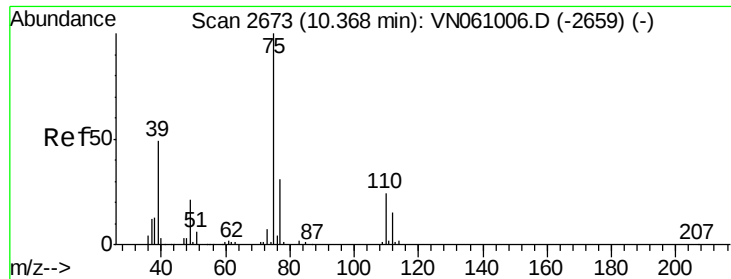
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.389 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

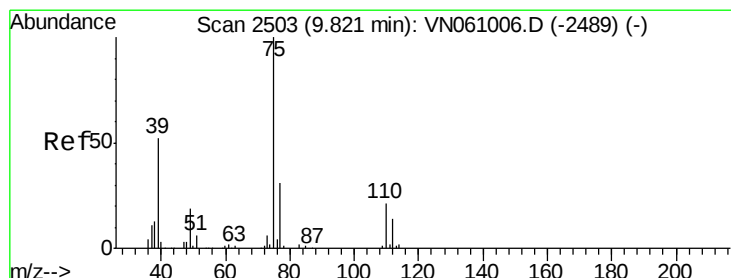
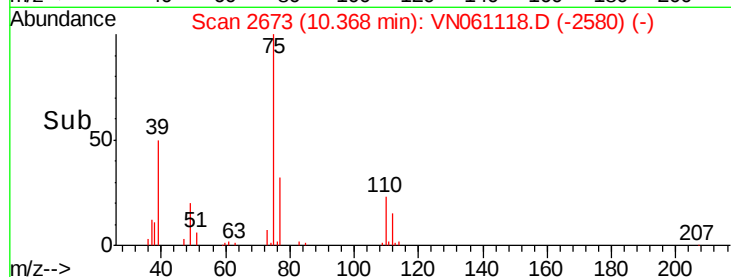
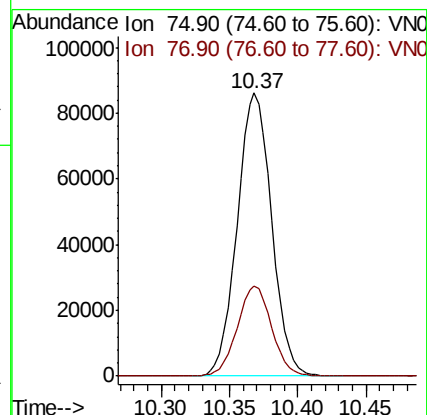
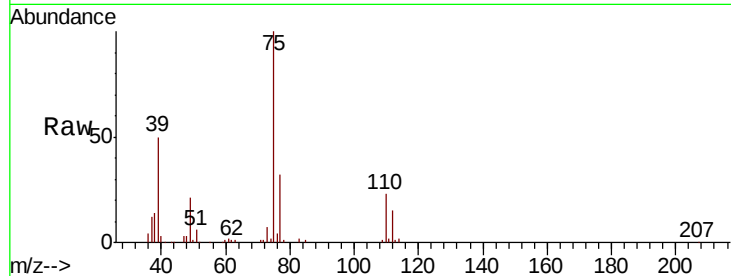
VSTDCCC050

Tot Ion: 75 Resp: 150858

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 48.579 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

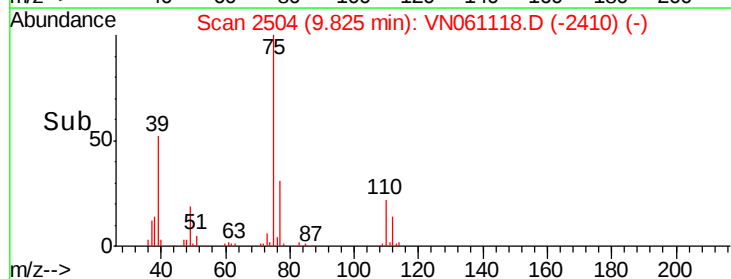
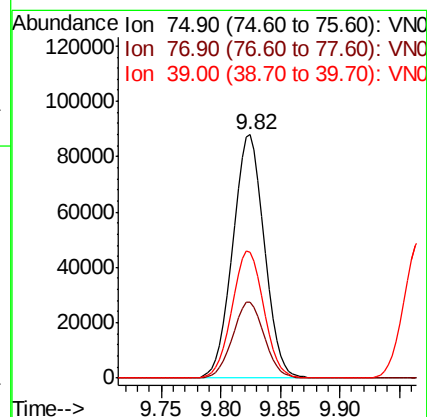
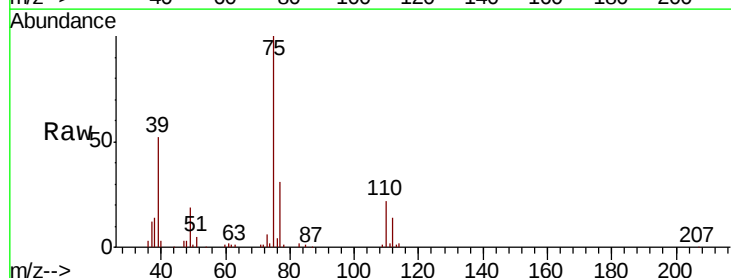
Tgt Ion: 75 Resp: 161902

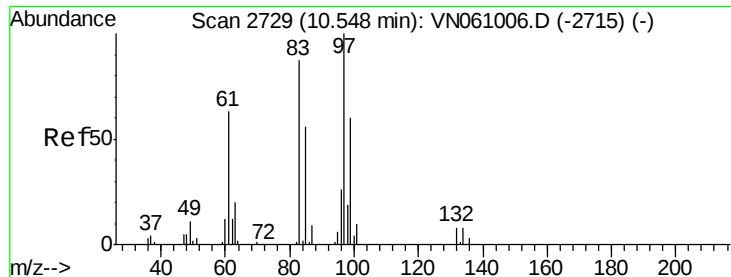
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6

39 51.7 41.4 62.2

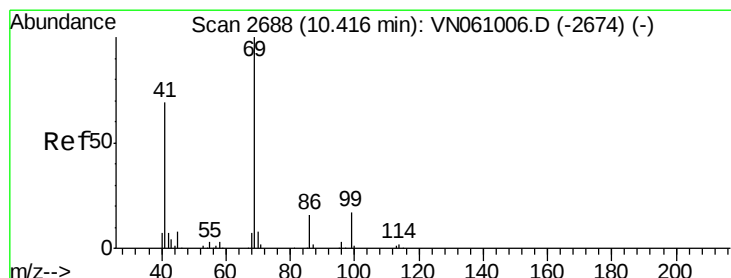
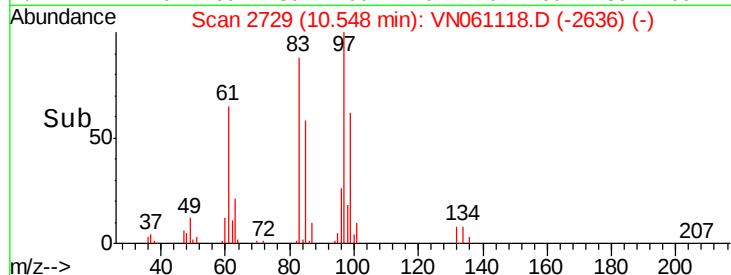
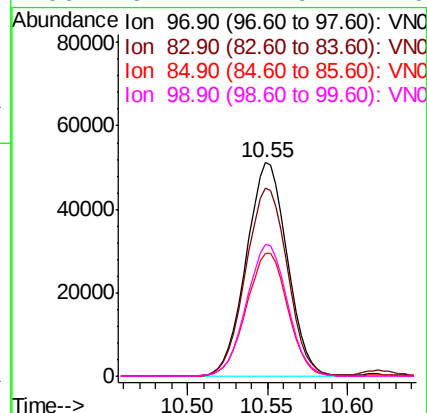
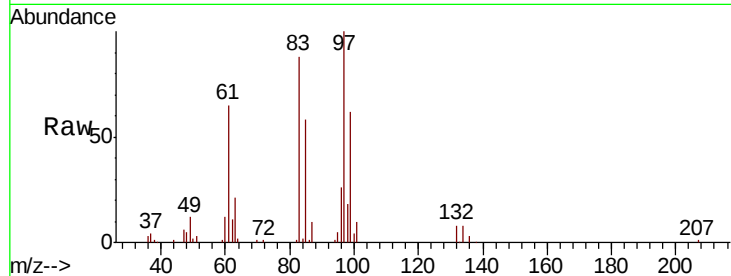




#55
 1,1,2-Trichloroethane
 Concen: 49.741 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

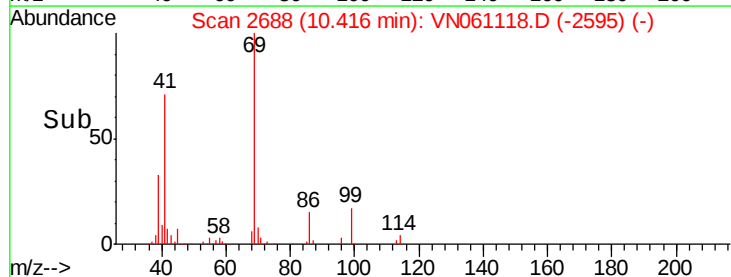
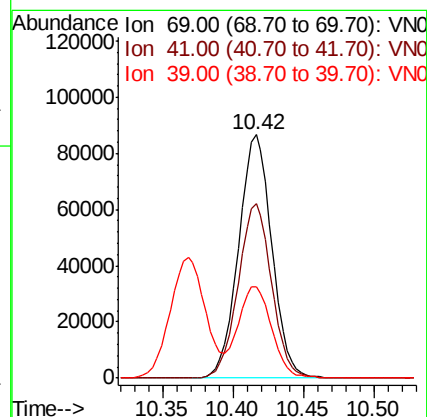
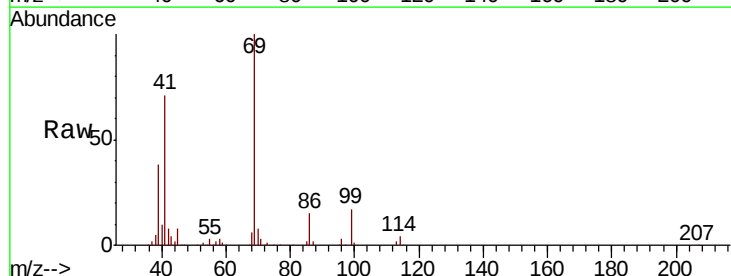
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

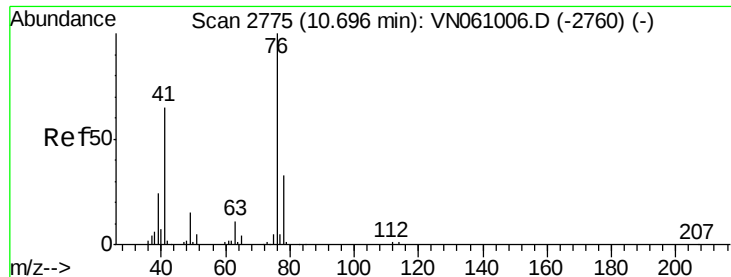
Tot Ion: 97 Resp: 90262
 Ion Ratio Lower Upper
 97 100
 83 88.4 69.5 104.3
 85 57.8 45.0 67.4
 99 61.7 47.9 71.9



#56
 Ethyl methacrylate
 Concen: 50.268 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion: 69 Resp: 143439
 Ion Ratio Lower Upper
 69 100
 41 71.3 56.7 85.1
 39 37.6 29.4 44.0





#57

1,3-Dichloropropane

Concen: 49.438 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

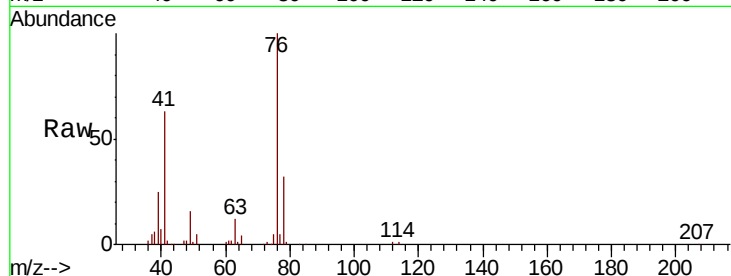
VSTDCCC050

Tot Ion: 76 Resp: 160019

Ion Ratio Lower Upper

76 100

78 31.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

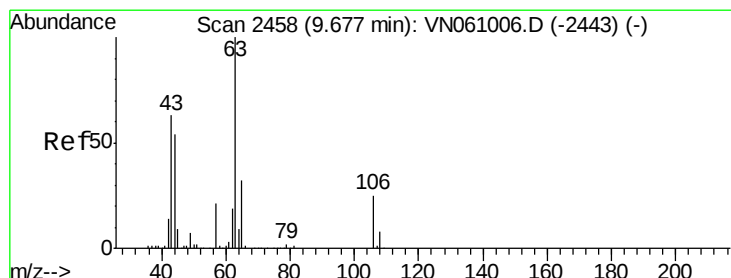
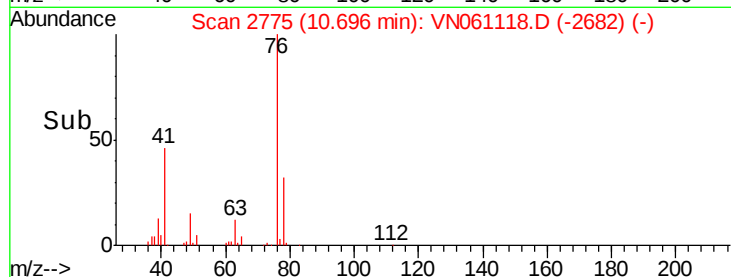
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 231.413 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061118.D

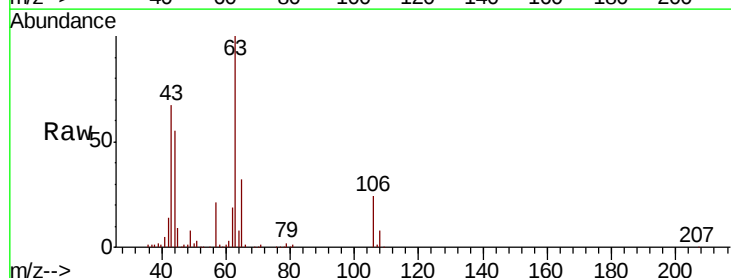
Acq: 20 Apr 2020 22:16

Tgt Ion: 63 Resp: 300055

Ion Ratio Lower Upper

63 100

106 24.6 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

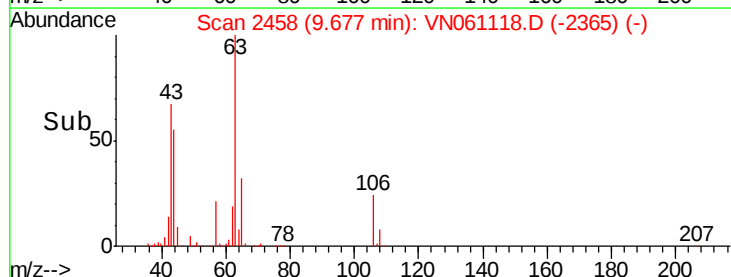
150000

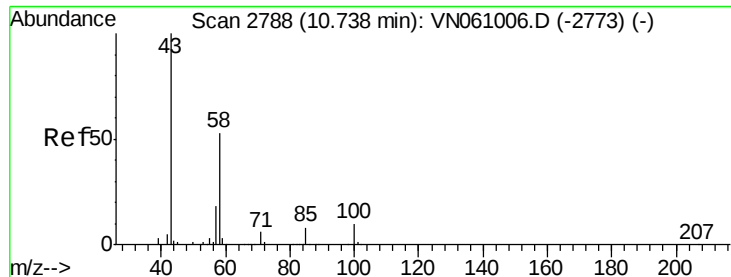
100000

50000

0

Time--> 9.60 9.70 9.80

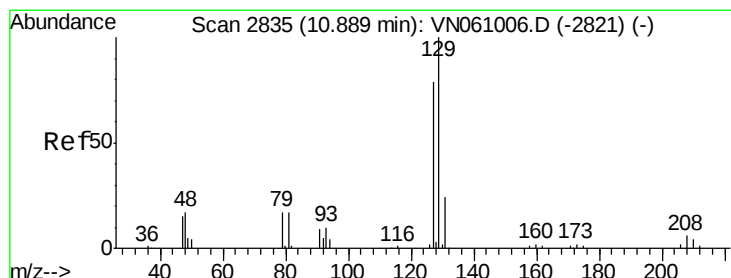
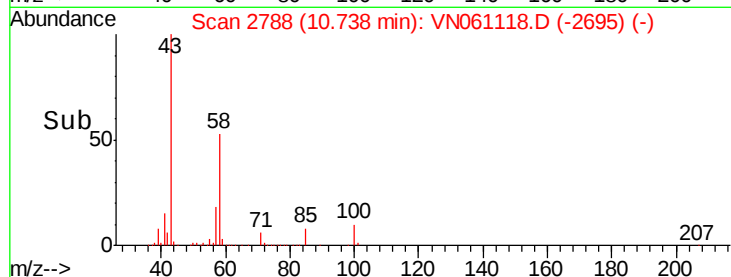
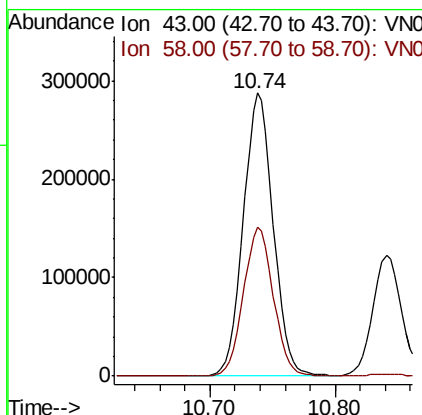
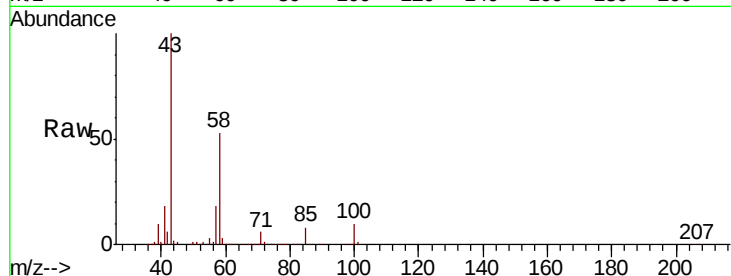




#59
2-Hexanone
Concen: 240.769 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

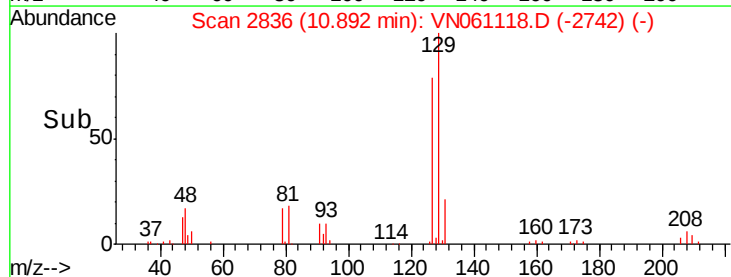
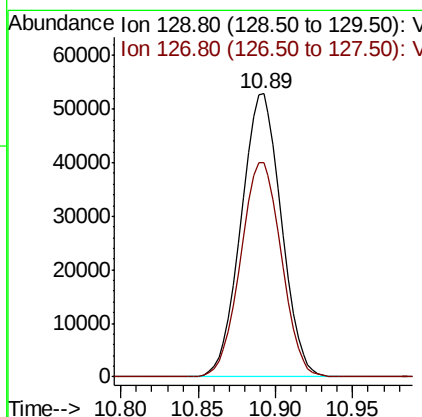
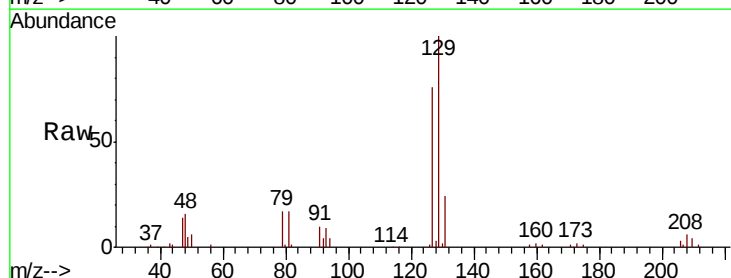
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

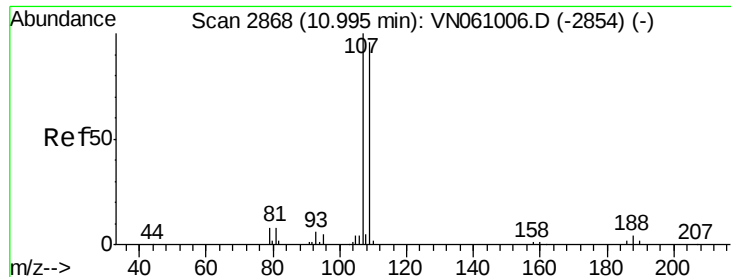
Tot Ion: 43 Resp: 476265
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 51.403 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 129 Resp: 95819
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.707 ug/l

RT: 11.00 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

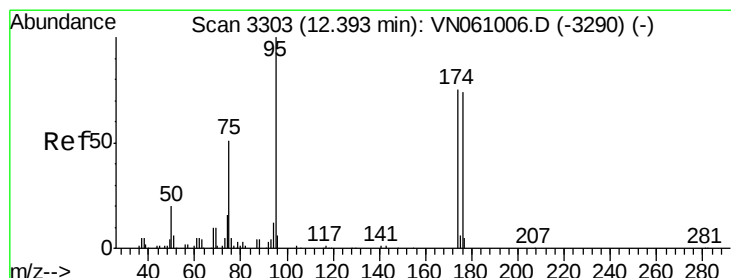
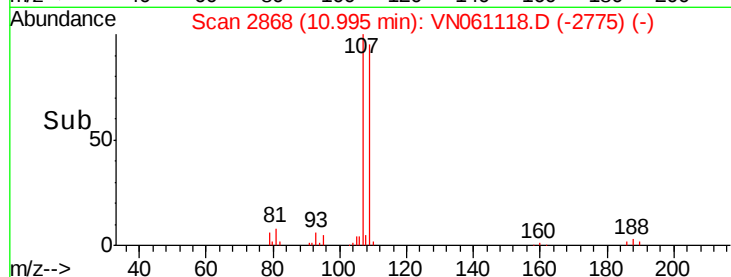
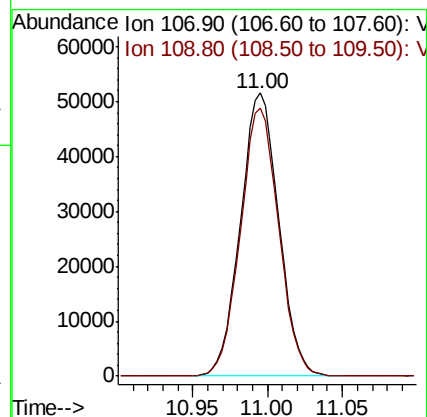
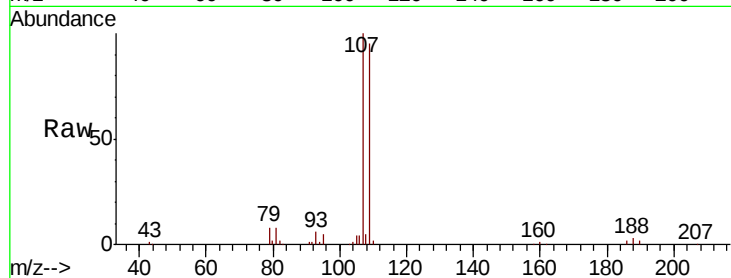
VSTDCCC050

Tot Ion:107 Resp: 91912

Ion Ratio Lower Upper

107 100

109 94.5 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 47.609 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

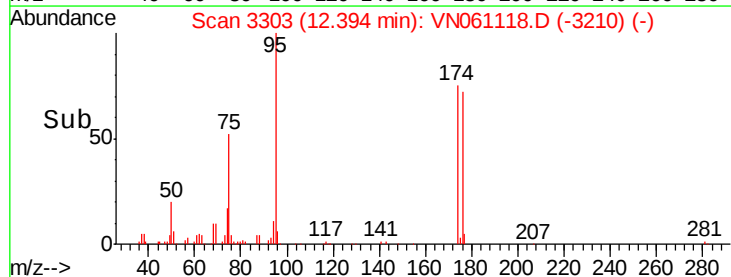
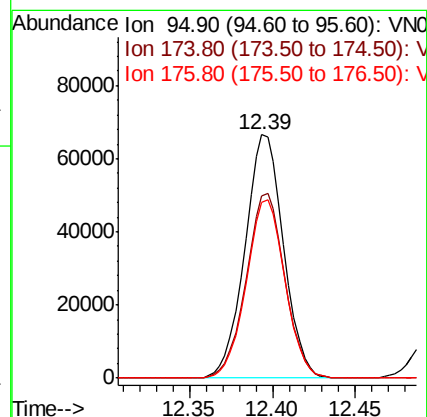
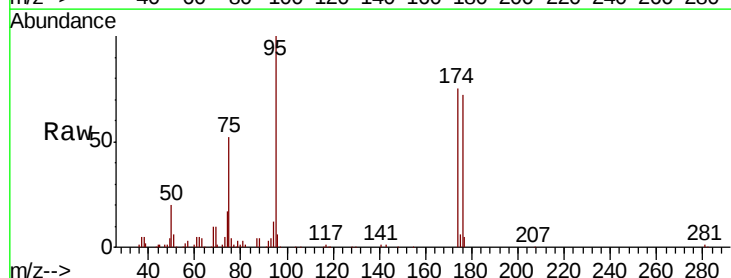
Tgt Ion: 95 Resp: 107512

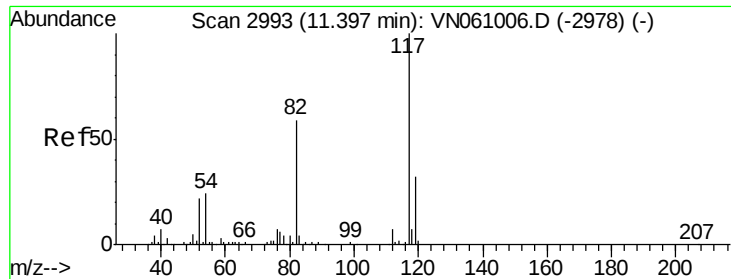
Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.2

176 73.5 0.0 148.2

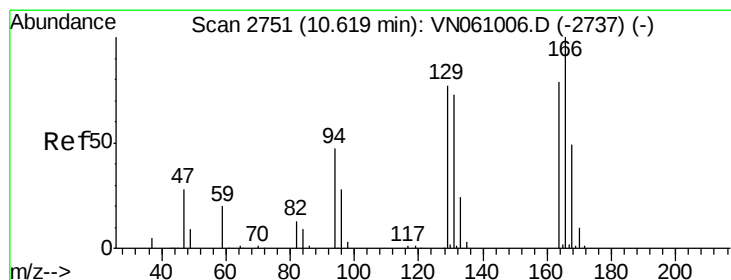
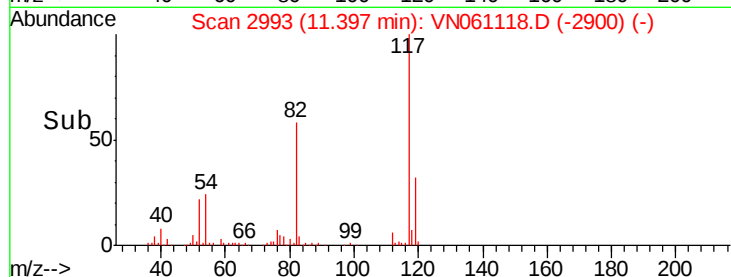
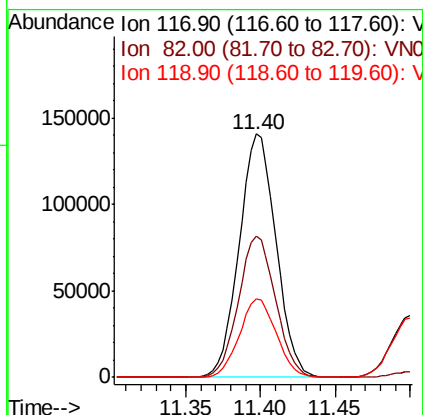
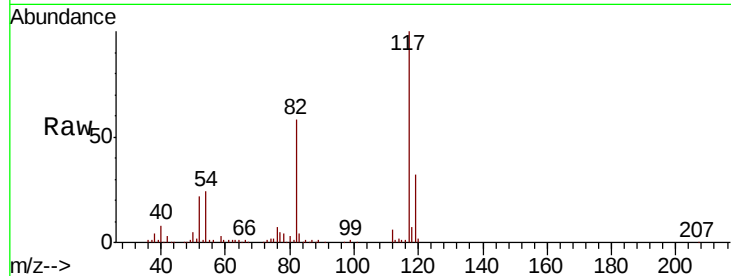




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

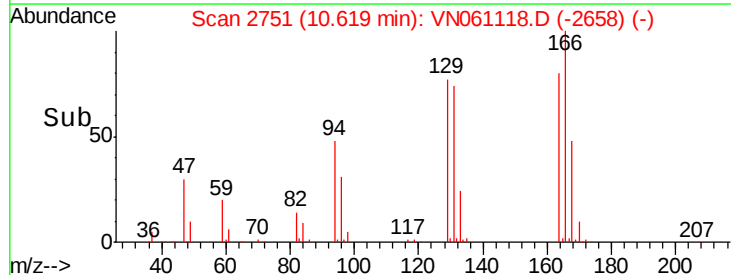
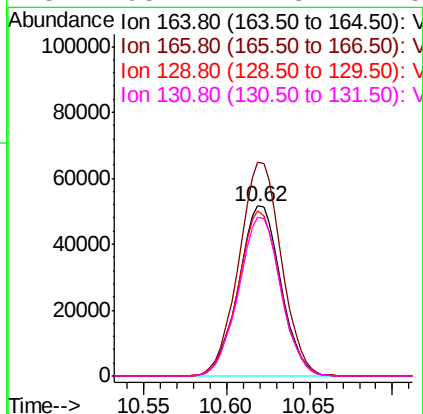
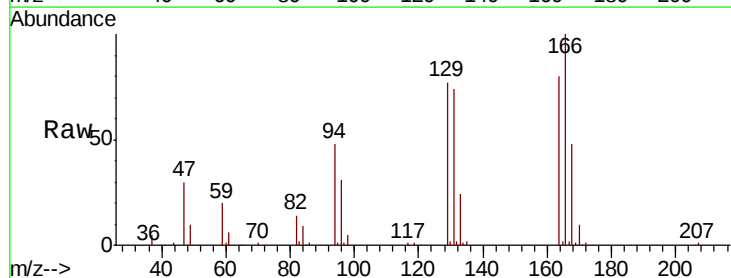
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

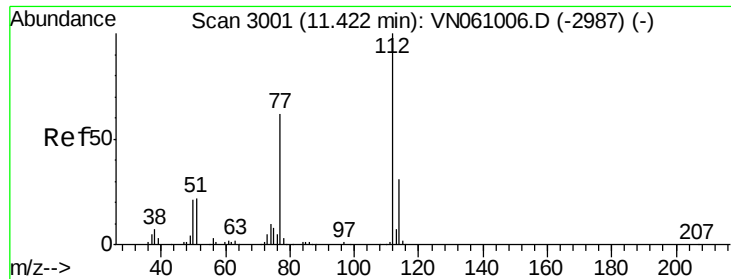
Tot Ion:117 Resp: 241117
Ion Ratio Lower Upper
117 100
82 58.1 47.1 70.7
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 49.548 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion:164 Resp: 91419
Ion Ratio Lower Upper
164 100
166 125.7 101.6 152.4
129 96.9 78.5 117.7
131 93.4 74.3 111.5

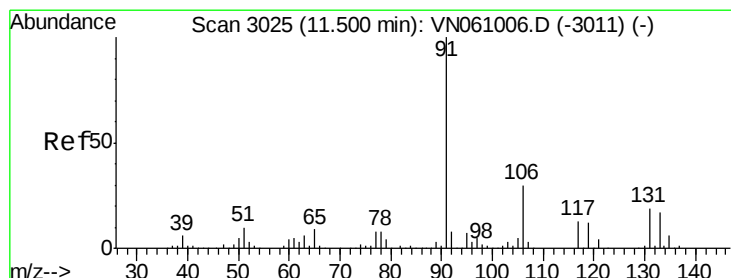
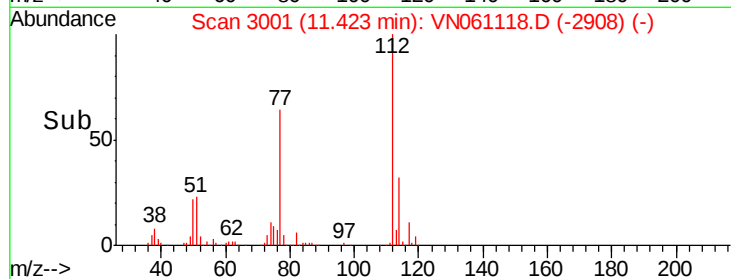
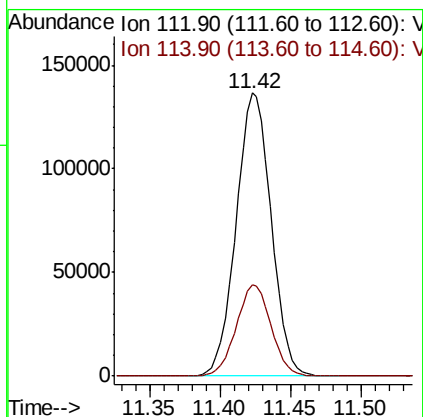
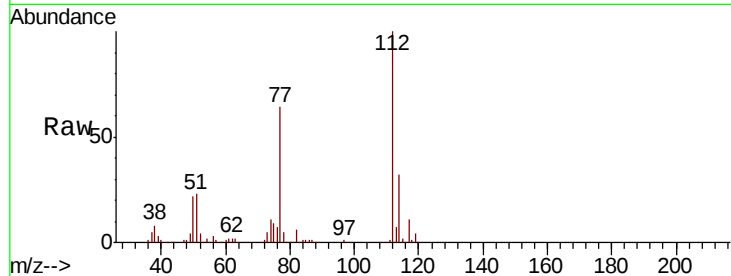




#65
Chlorobenzene
Concen: 47.738 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

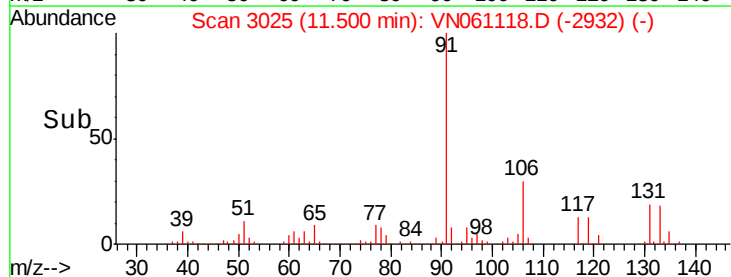
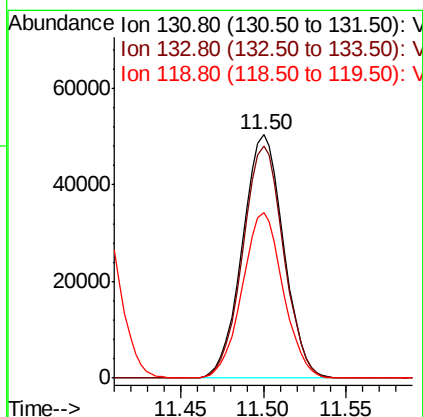
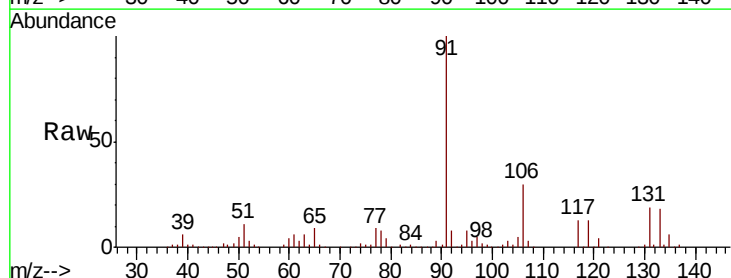
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

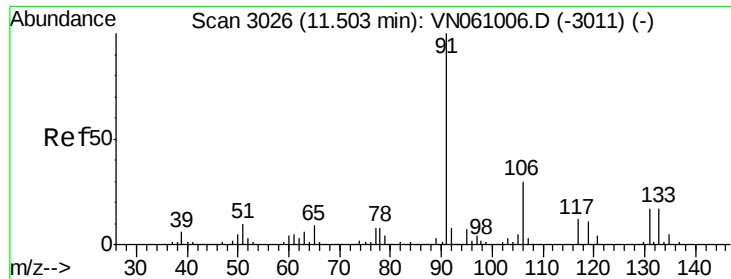
Tot Ion:112 Resp: 237618
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.836 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion:131 Resp: 86967
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.8
119 67.4 33.3 99.8

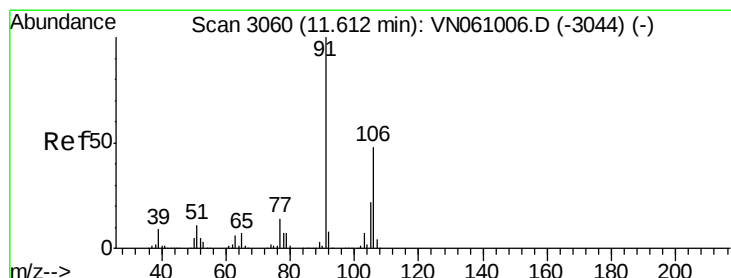
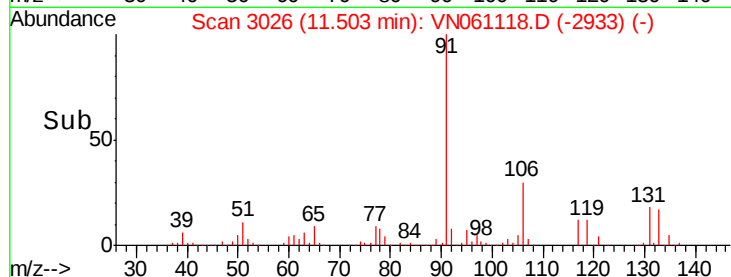
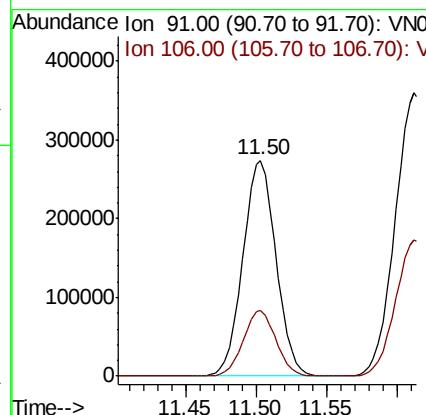
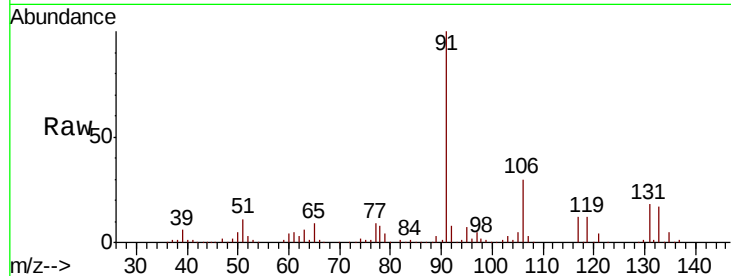




#67
Ethyl Benzene
Concen: 48.264 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

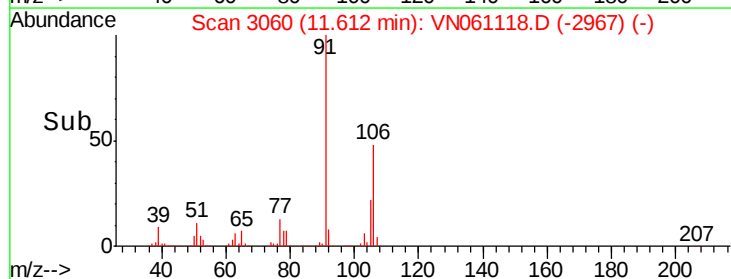
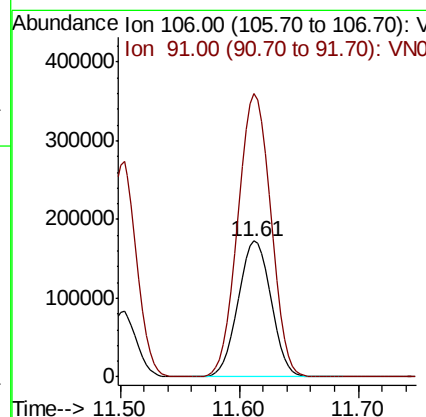
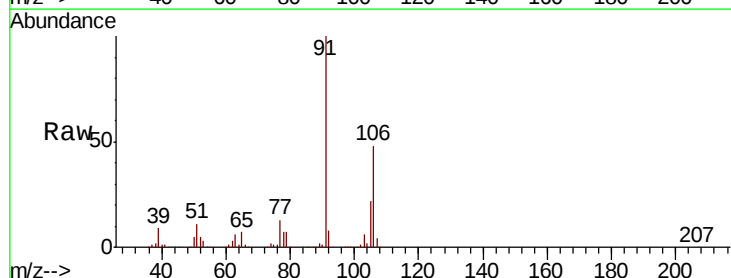
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

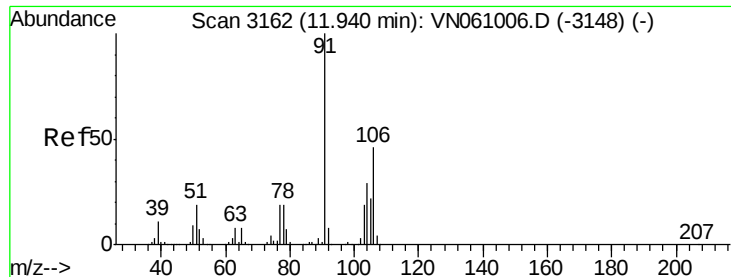
Tot Ion: 91 Resp: 451896
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8



#68
m/p-Xylenes
Concen: 98.011 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 106 Resp: 331646
Ion Ratio Lower Upper
106 100
91 209.1 167.9 251.9

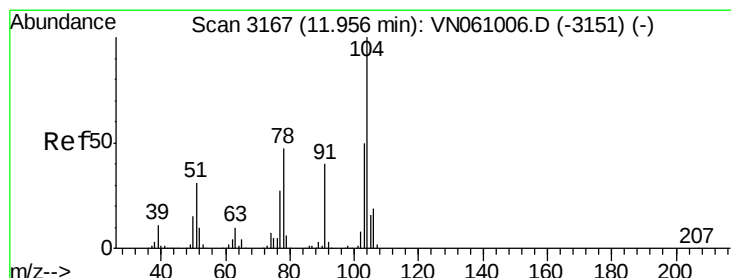
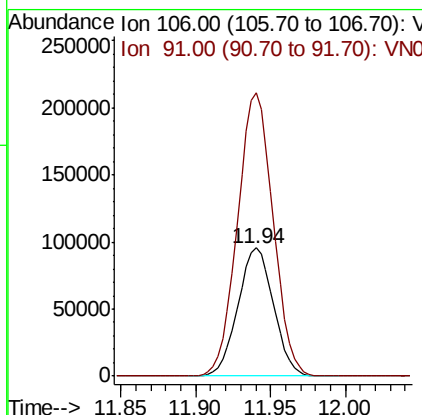
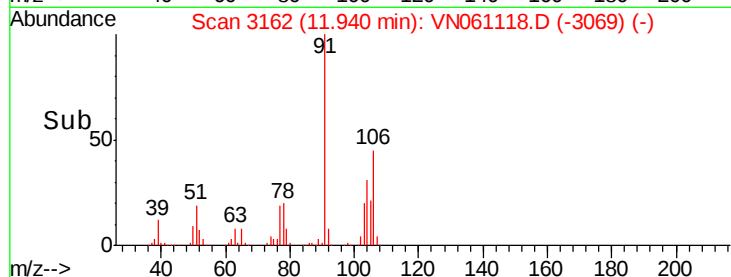
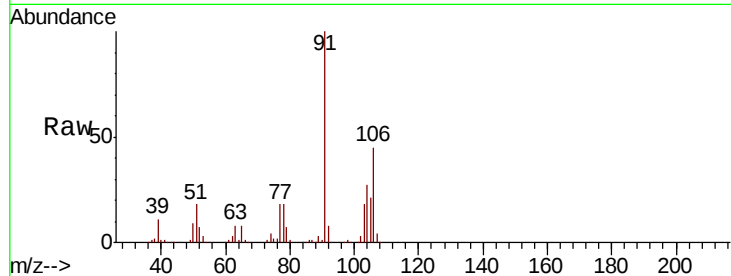




#69
o-Xylene
Concen: 48.674 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

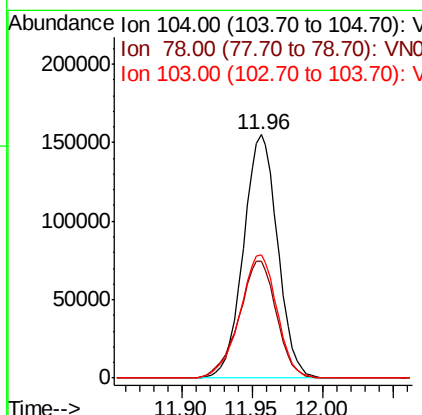
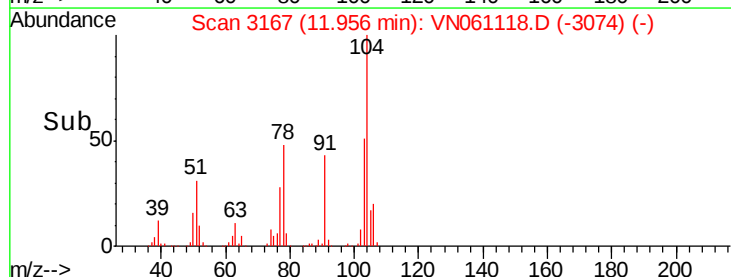
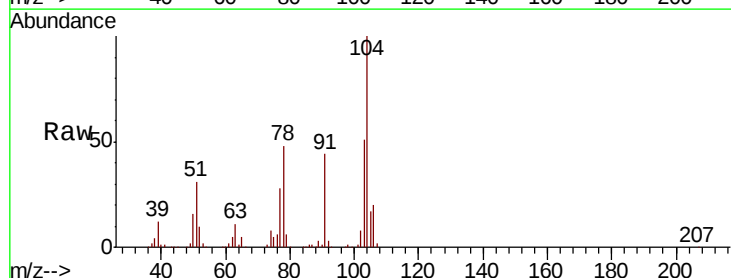
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

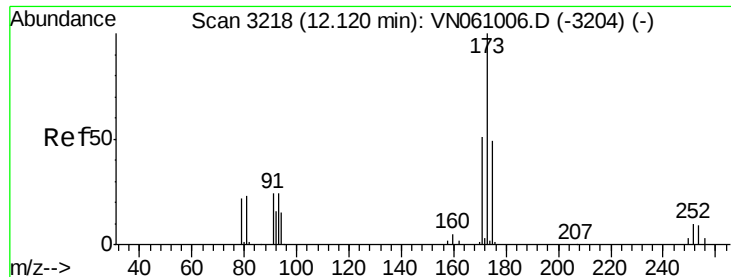
Tot Ion:106 Resp: 158355
Ion Ratio Lower Upper
106 100
91 220.8 110.7 332.1



#70
Styrene
Concen: 50.307 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion:104 Resp: 263492
Ion Ratio Lower Upper
104 100
78 52.6 42.2 63.4
103 54.8 44.4 66.6





#71

Bromoform

Concen: 50.417 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

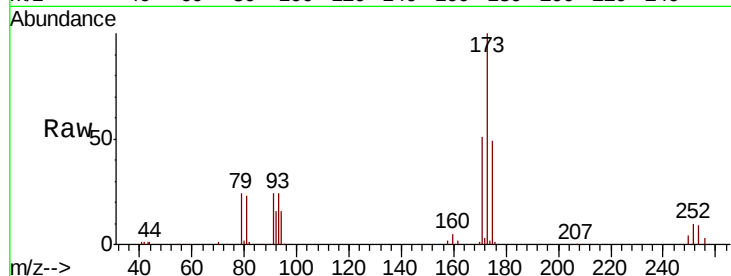
Tot Ion:173 Resp: 67018

Ion Ratio Lower Upper

173 100

175 49.3 24.5 73.5

254 0.0 0.0 0.0

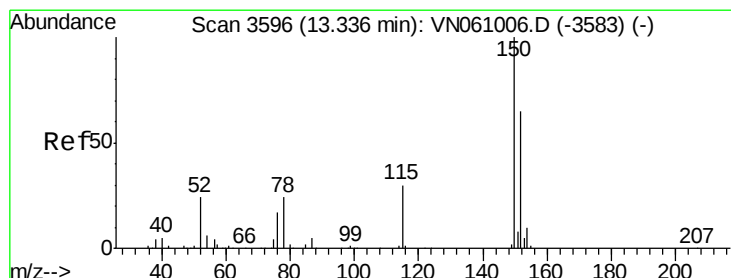
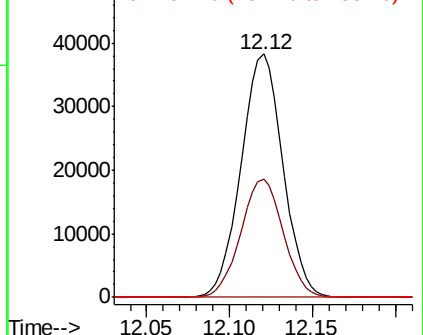
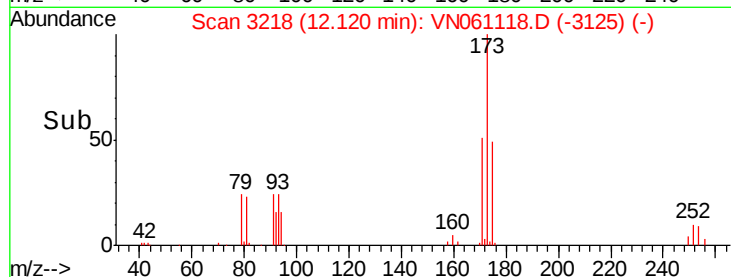


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

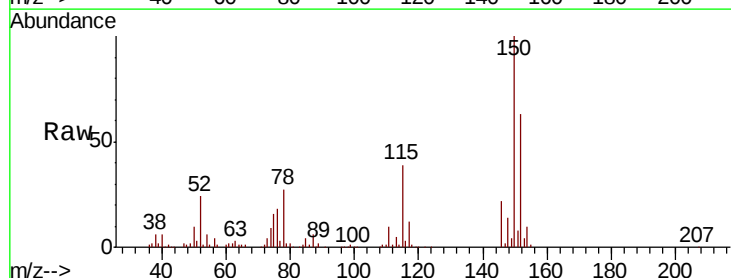
Tgt Ion:152 Resp: 110986

Ion Ratio Lower Upper

152 100

115 61.9 30.8 92.4

150 174.2 0.0 349.0

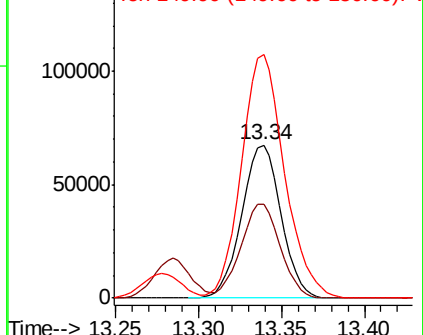
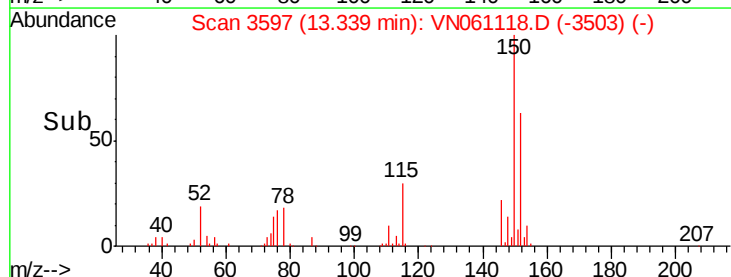


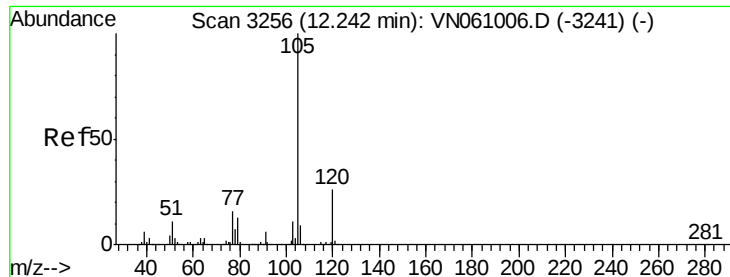
Abundance

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: 48.294 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

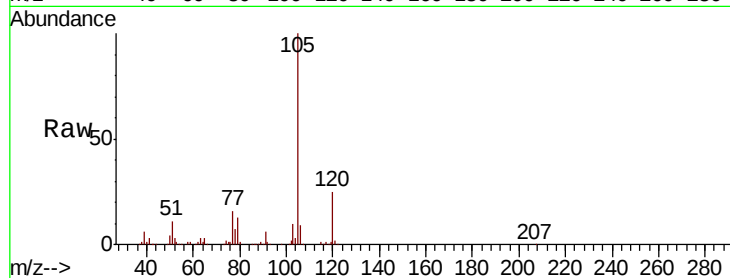
VSTDCCC050

Tot Ion:105 Resp: 429412

Ion Ratio Lower Upper

105 100

120 25.6 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

250000

200000

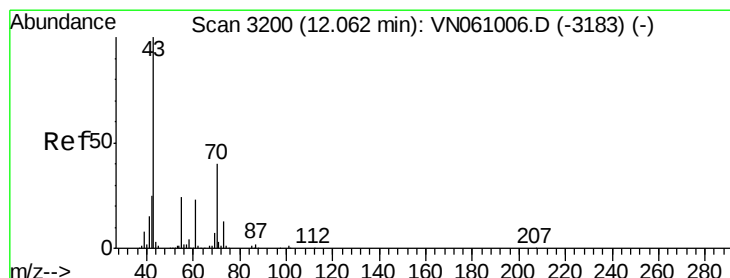
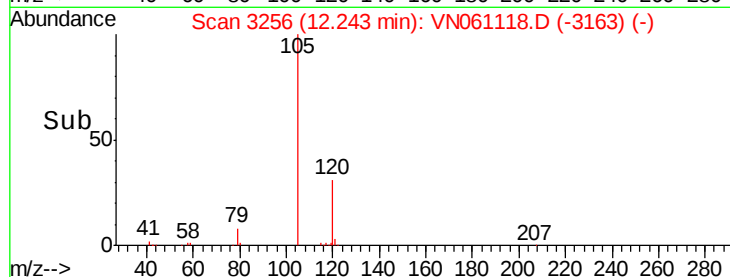
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 46.622 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion: 43 Resp: 192776

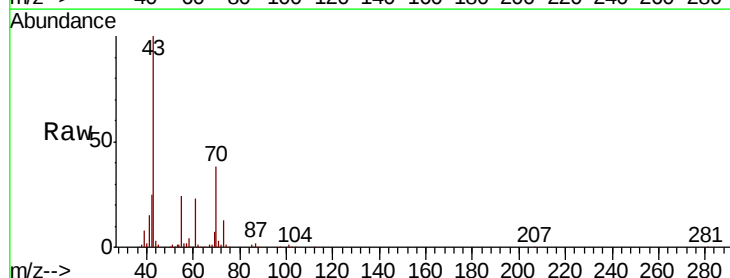
Ion Ratio Lower Upper

43 100

70 38.5 31.0 46.6

55 23.5 18.6 27.8

61 23.1 18.2 27.4



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

12.06

200000

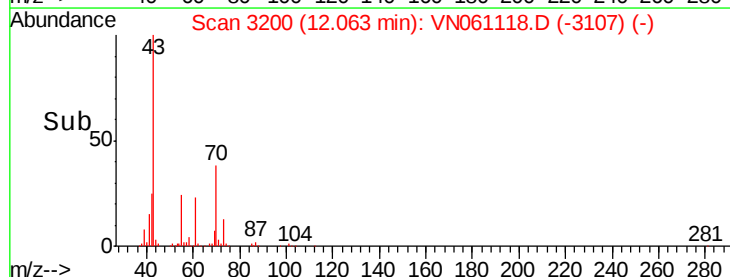
150000

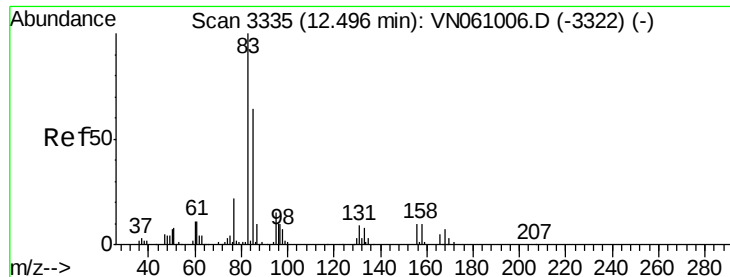
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 48.116 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

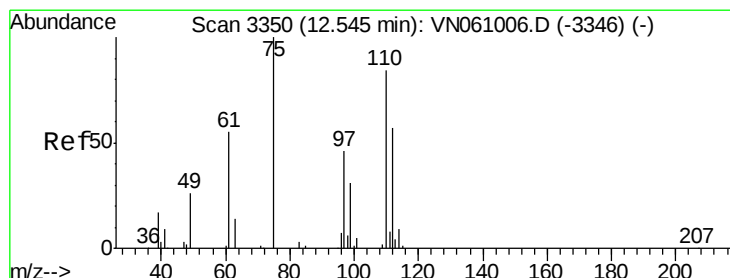
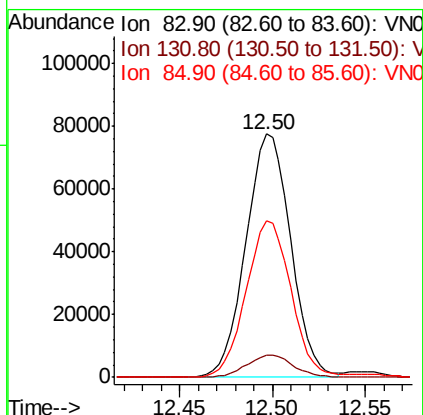
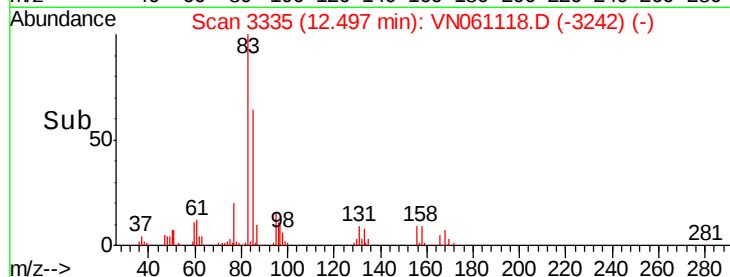
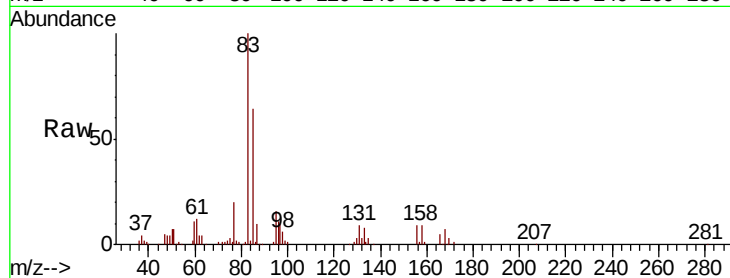
Tot Ion: 83 Resp: 130599

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 64.1 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 71.708 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061118.D

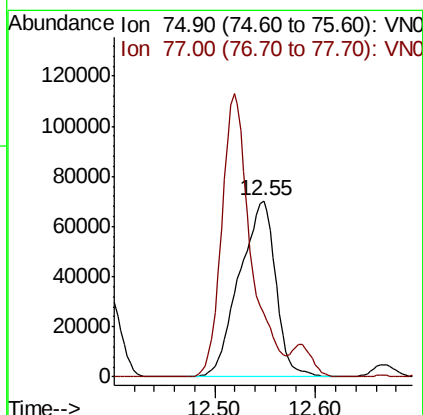
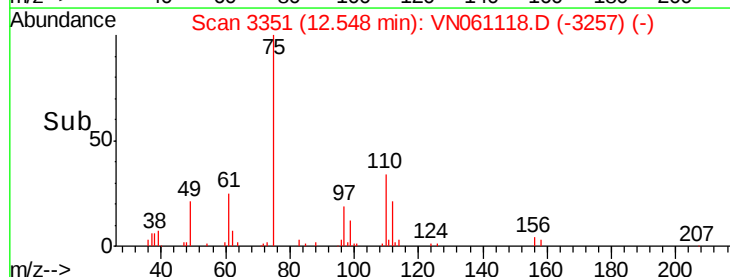
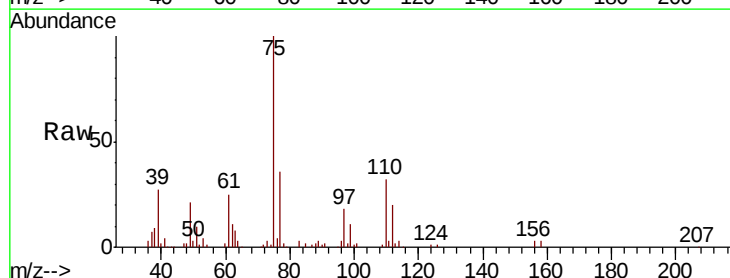
Acq: 20 Apr 2020 22:16

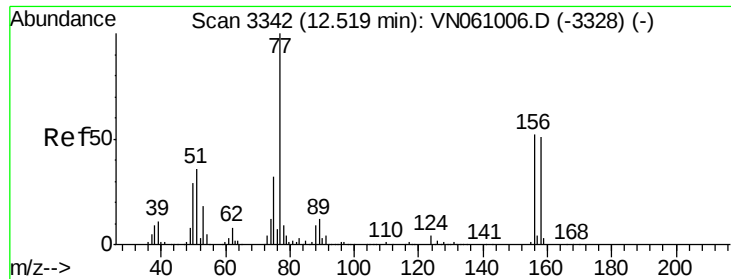
Tgt Ion: 75 Resp: 175056

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.113 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

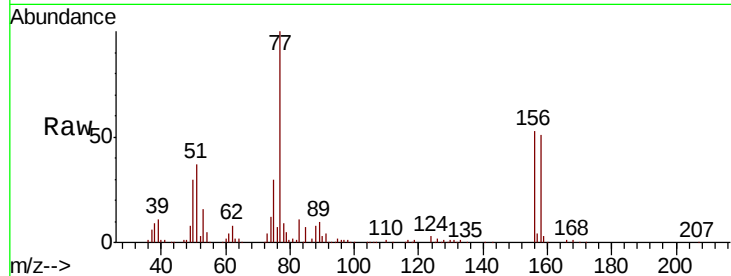
Tot Ion:156 Resp: 99885

Ion Ratio Lower Upper

156 100

77 228.3 115.6 346.8

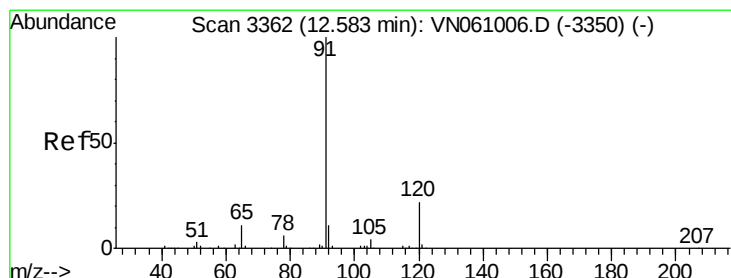
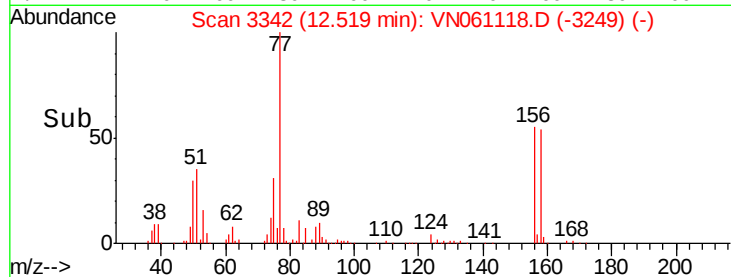
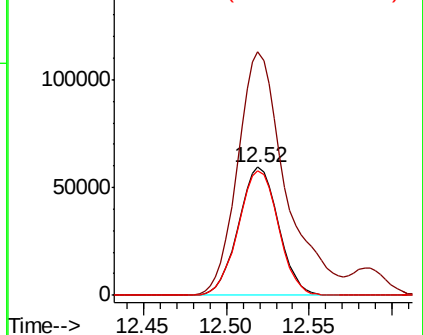
158 97.2 48.9 146.6



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: 49.022 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061118.D

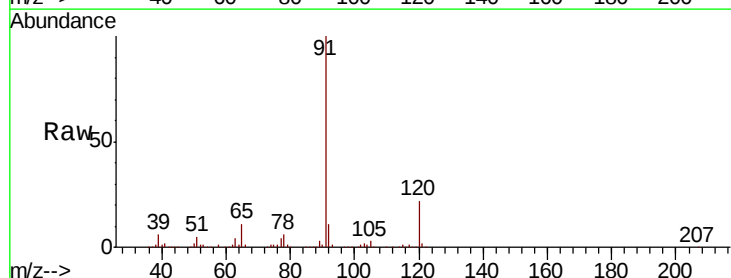
Acq: 20 Apr 2020 22:16

Tgt Ion: 91 Resp: 509975

Ion Ratio Lower Upper

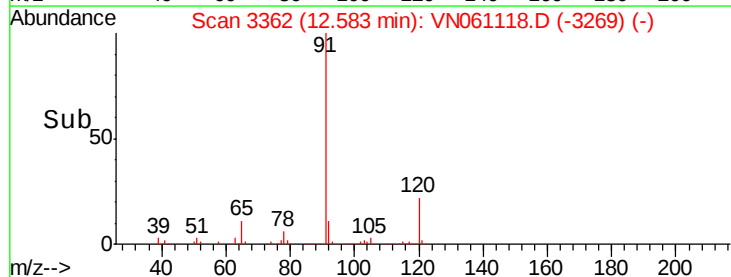
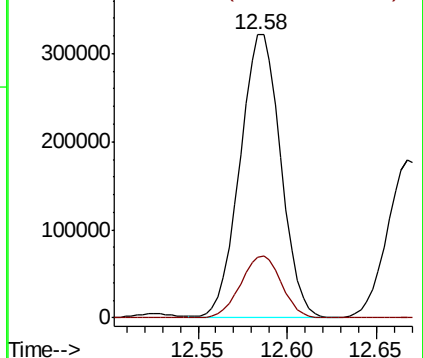
91 100

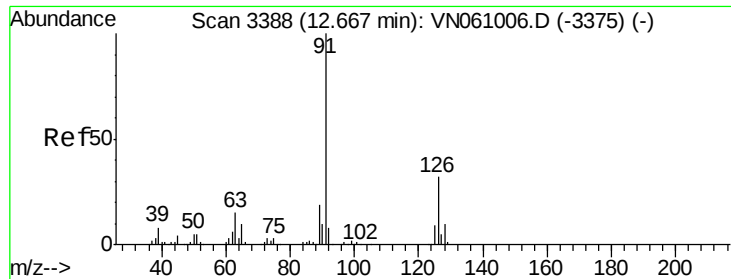
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.489 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

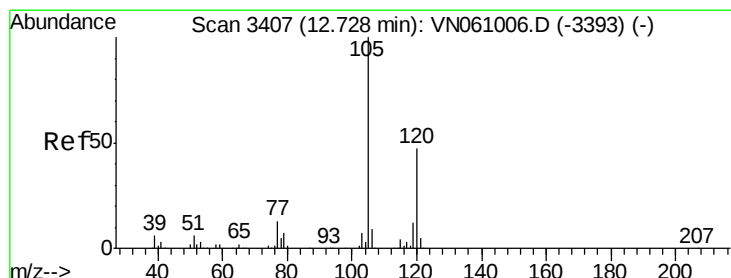
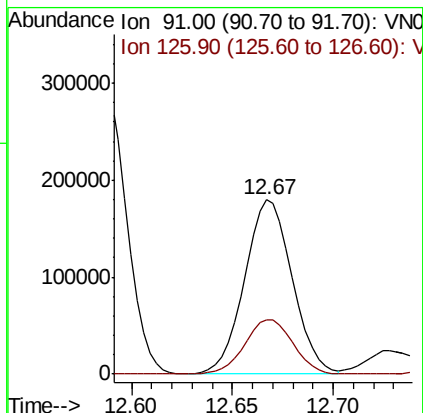
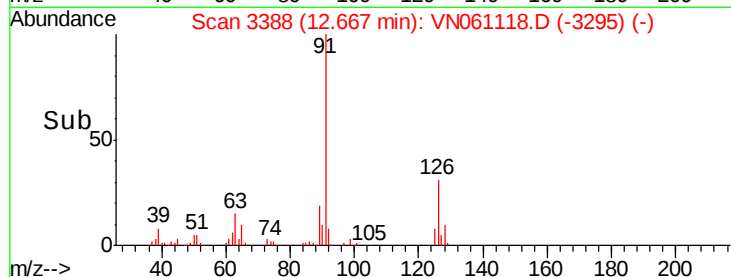
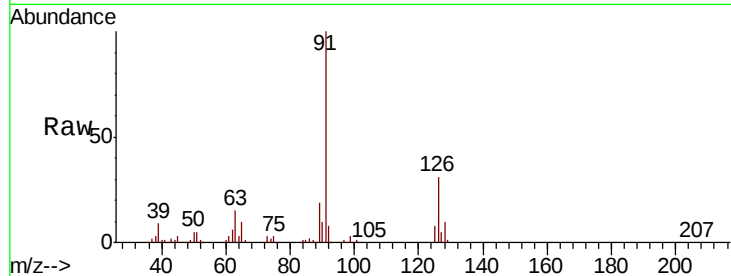
VSTDCCC050

Tot Ion: 91 Resp: 295849

Ion Ratio Lower Upper

91 100

126 31.9 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 49.053 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061118.D

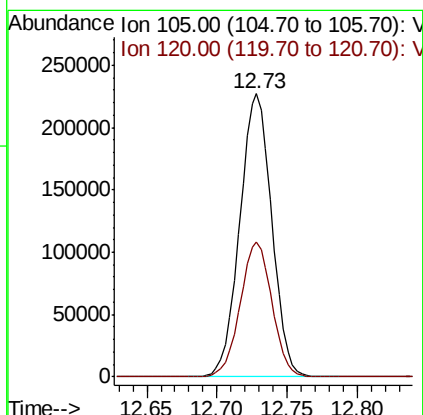
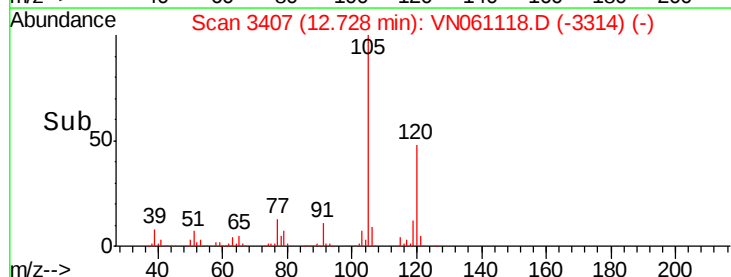
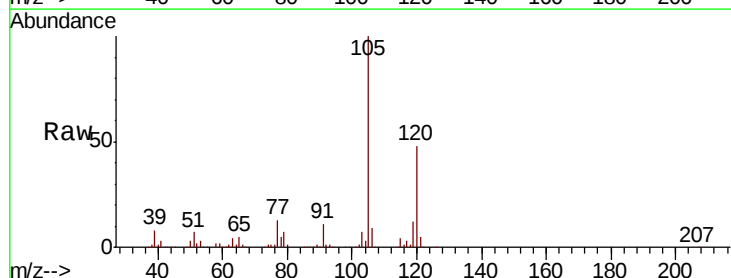
Acq: 20 Apr 2020 22:16

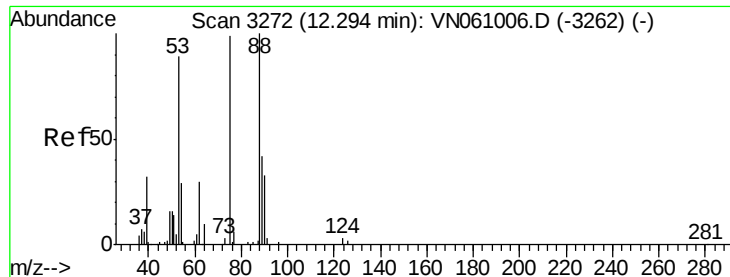
Tgt Ion:105 Resp: 360515

Ion Ratio Lower Upper

105 100

120 47.3 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.266 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

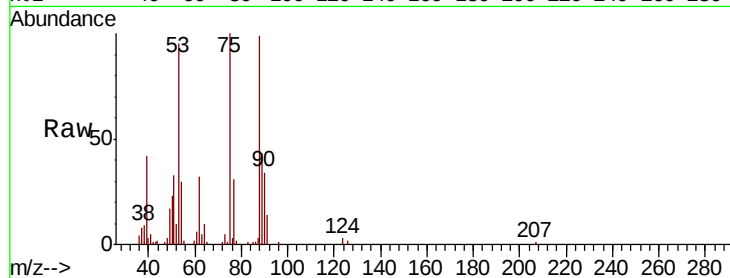
Tot Ion: 75 Resp: 43811

Ion Ratio Lower Upper

75 100

53 94.8 74.7 112.1

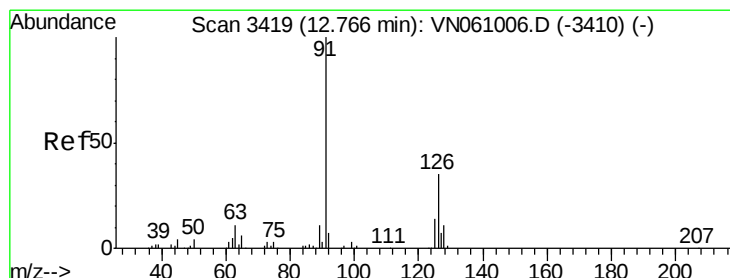
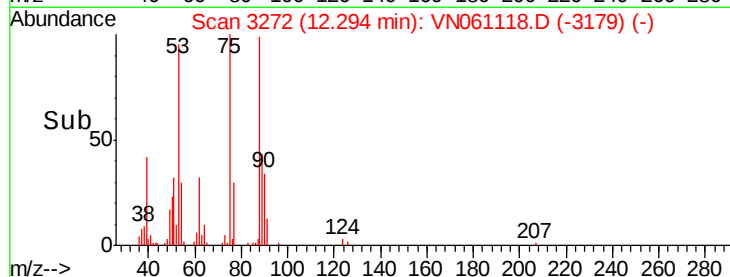
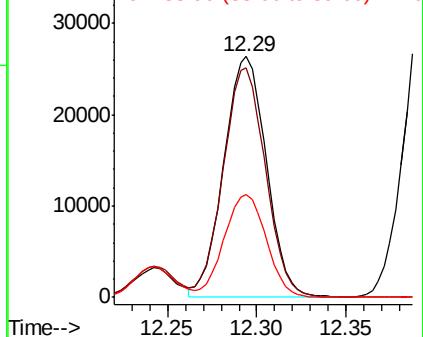
89 42.4 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN061118.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061118.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061118.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 48.809 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061118.D

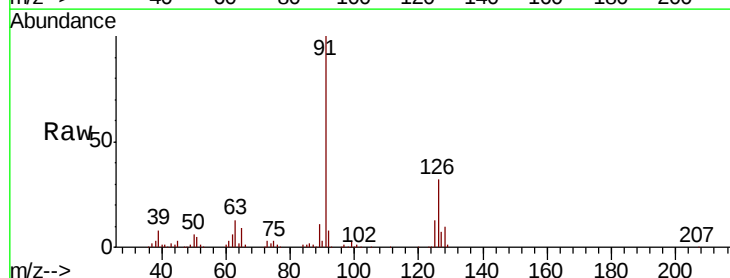
Acq: 20 Apr 2020 22:16

Tgt Ion: 91 Resp: 308859

Ion Ratio Lower Upper

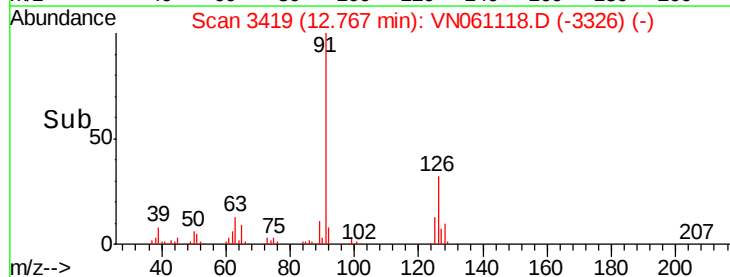
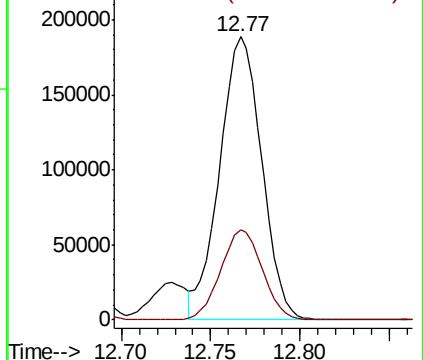
91 100

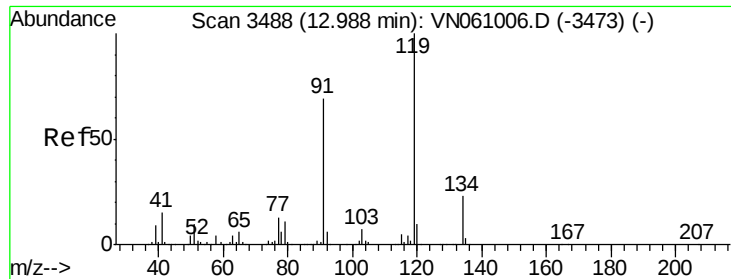
126 31.6 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN061118.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061118.D (-3326) (-)

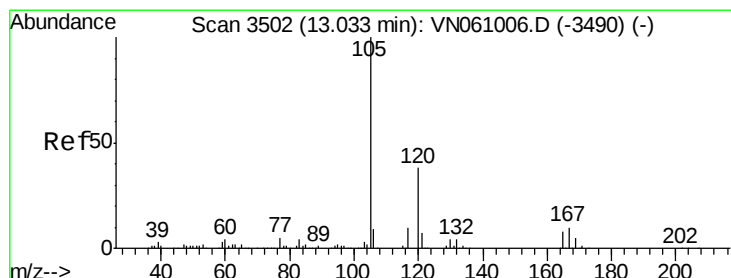
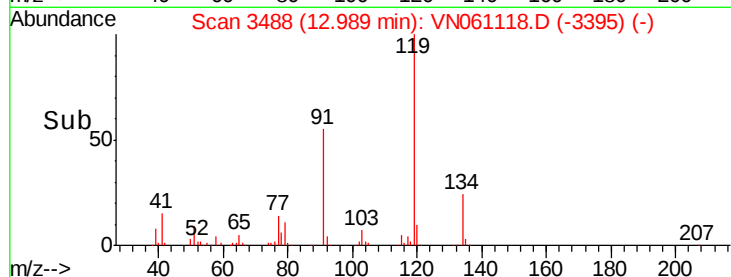
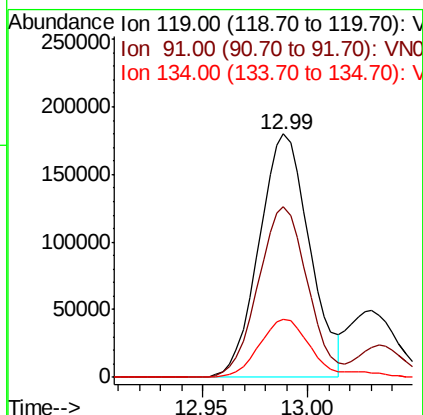
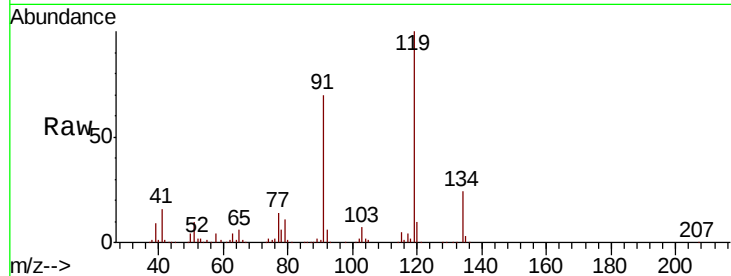




#83
 tert-Butylbenzene
 Concen: 48.490 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

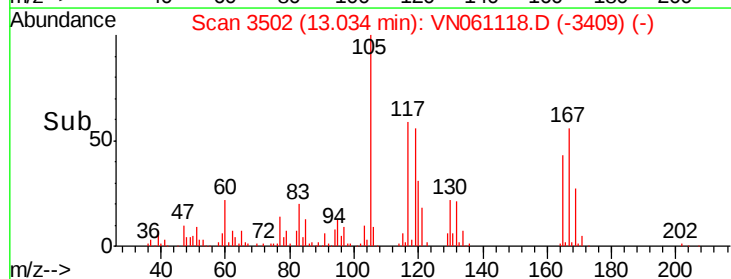
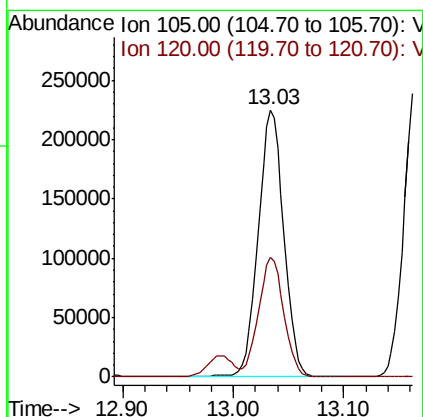
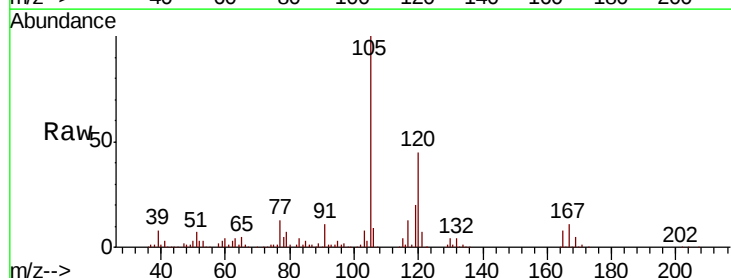
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

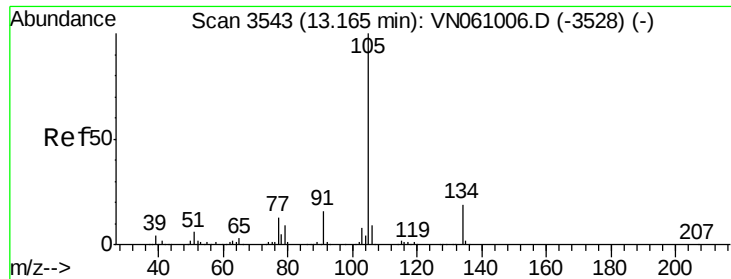
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.1	102.3
134	25.2	12.4	37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 49.584 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 49.385 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

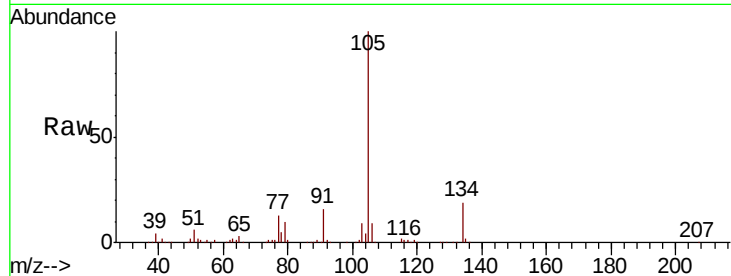
VSTDCCC050

Tot Ion:105 Resp: 413589

Ion Ratio Lower Upper

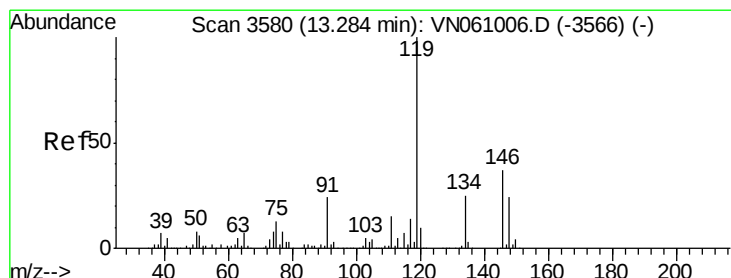
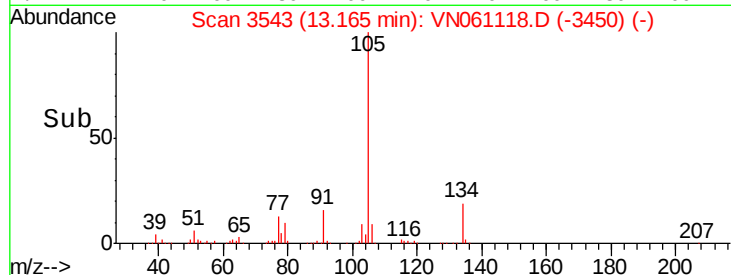
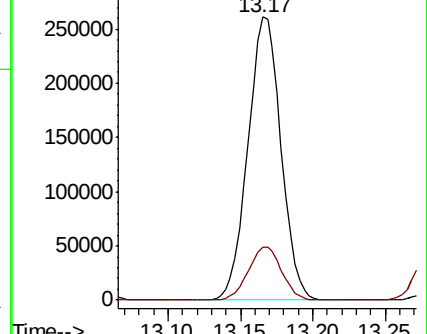
105 100

134 19.0 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.914 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

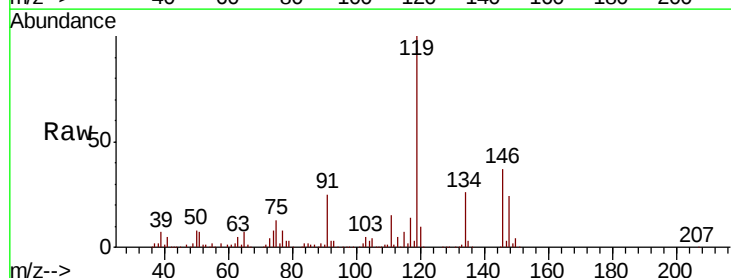
Tgt Ion:119 Resp: 364772

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

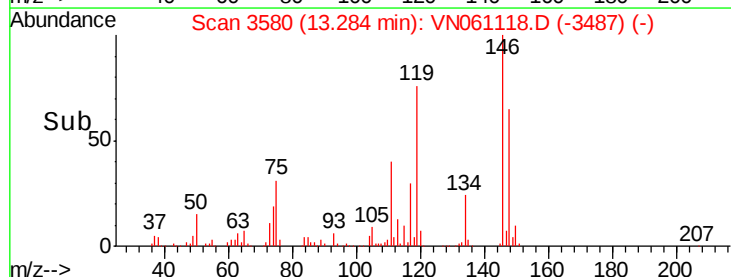
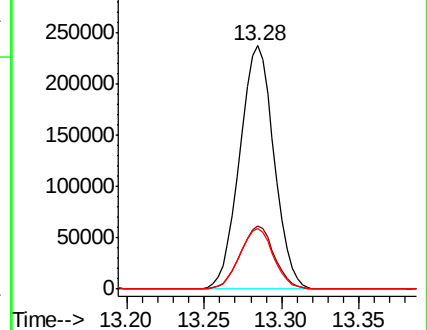
91 24.7 12.3 36.8

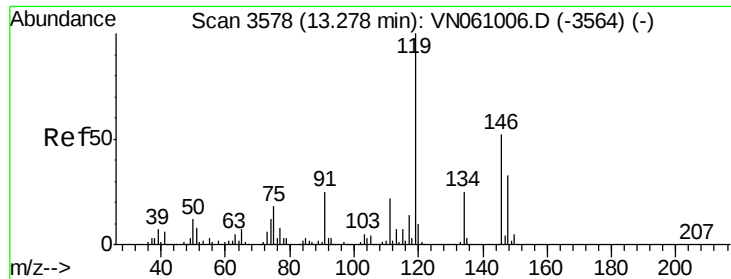


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

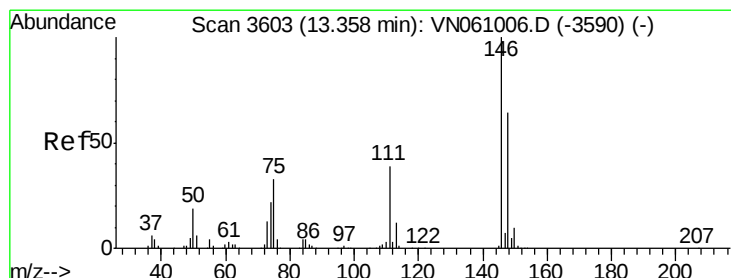
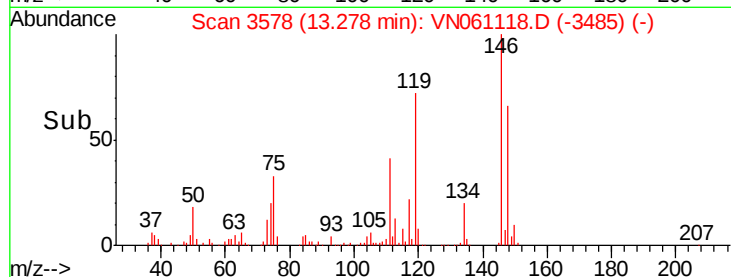
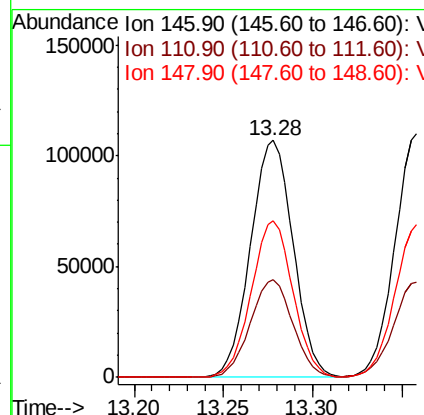
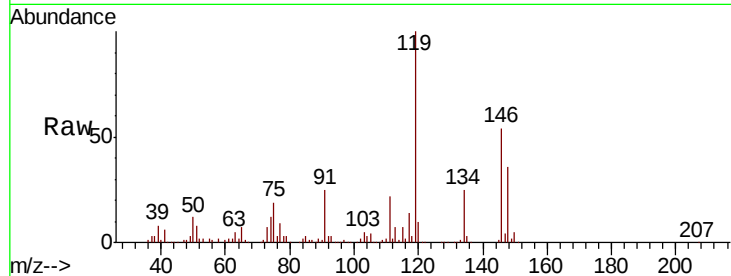




#87
 1,3-Dichlorobenzene
 Concen: 48.220 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

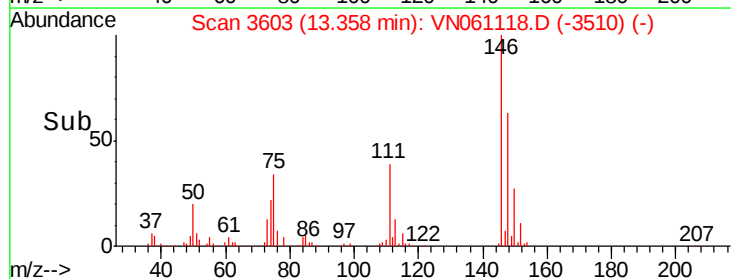
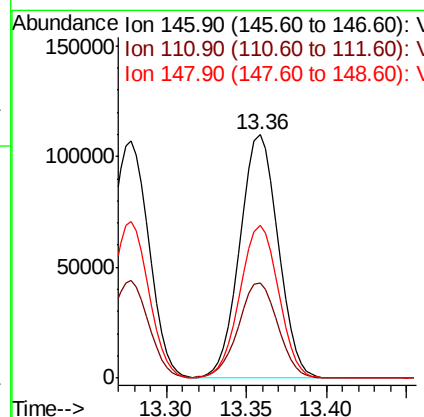
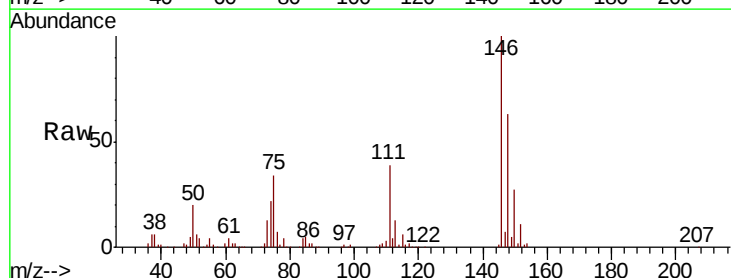
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

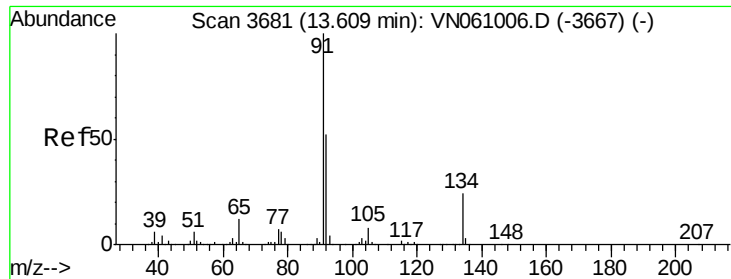
Tot Ion:146 Resp: 178405
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.6 61.8
 148 64.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.221 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion:146 Resp: 179483
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.1 60.3
 148 63.3 32.1 96.3

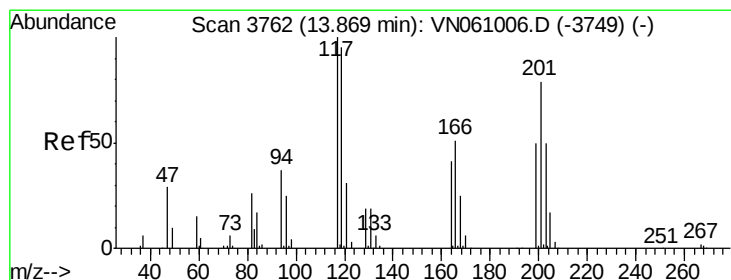
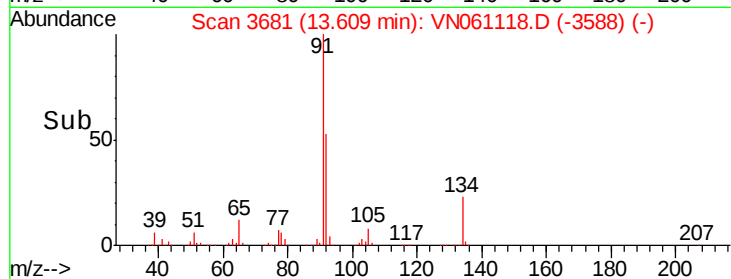
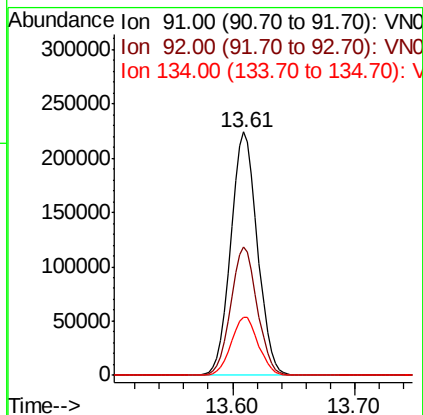
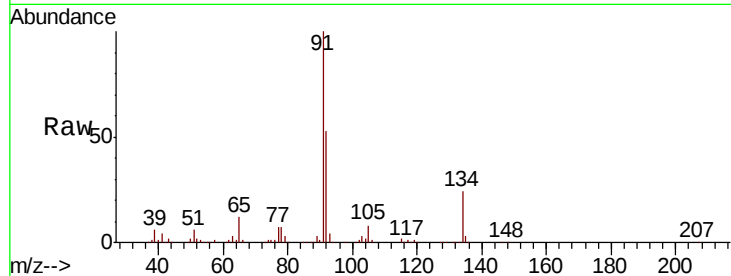




#89
n-Butylbenzene
Concen: 49.057 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

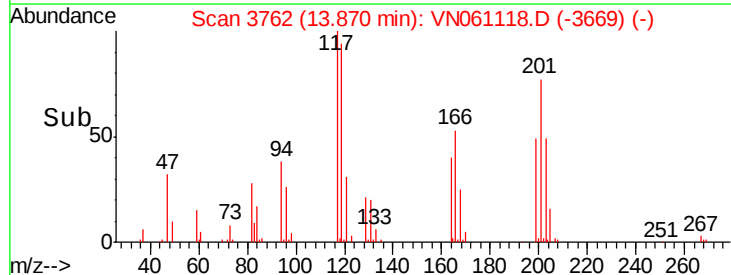
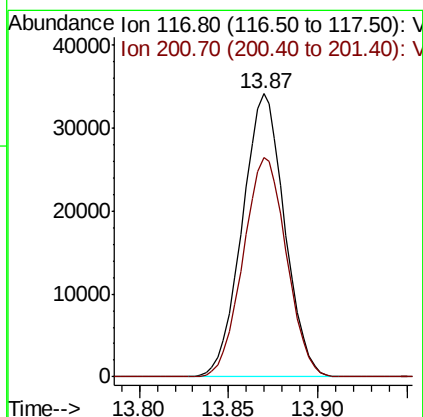
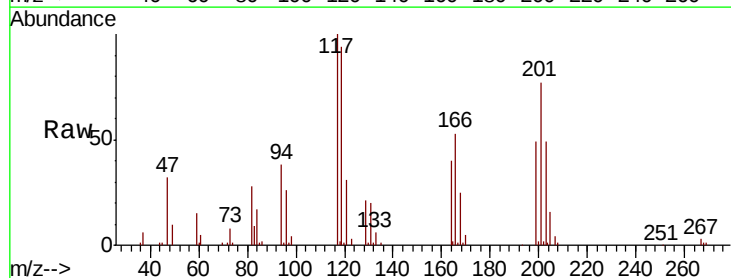
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

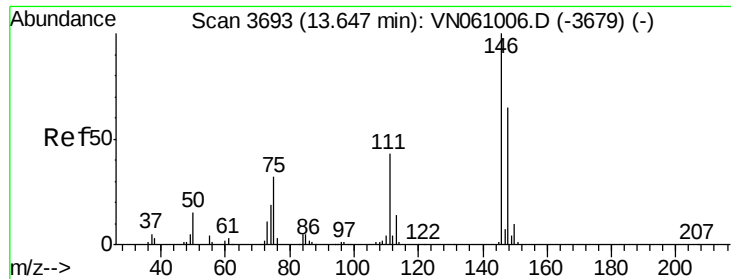
Tot Ion: 91 Resp: 340204
Ion Ratio Lower Upper
91 100
92 52.6 26.1 78.2
134 24.3 12.3 36.8



#90
Hexachloroethane
Concen: 49.473 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 117 Resp: 56605
Ion Ratio Lower Upper
117 100
201 79.3 39.3 117.9





#91

1,2-Dichlorobenzene

Concen: 49.141 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

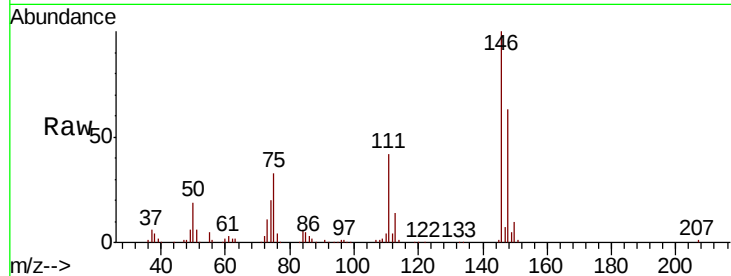
Tot Ion:146 Resp: 173526

Ion Ratio Lower Upper

146 100

111 42.5 21.3 64.0

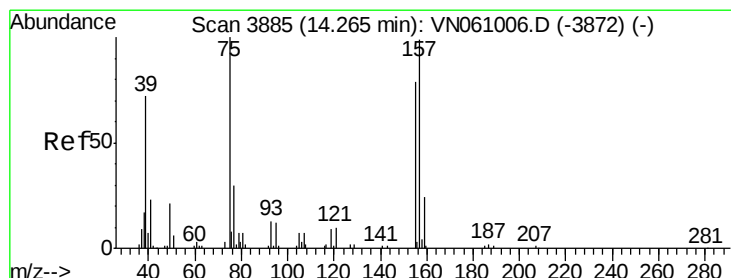
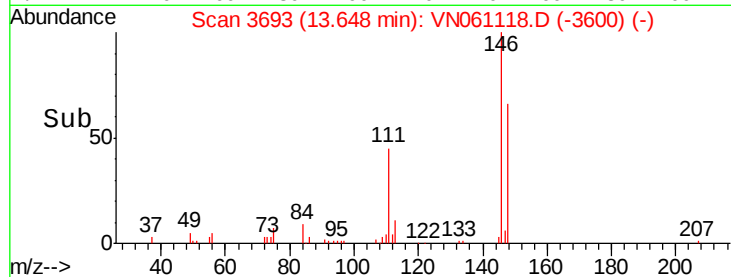
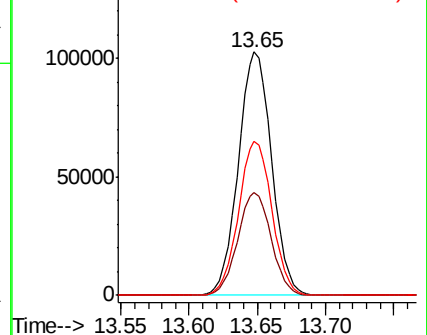
148 63.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.502 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

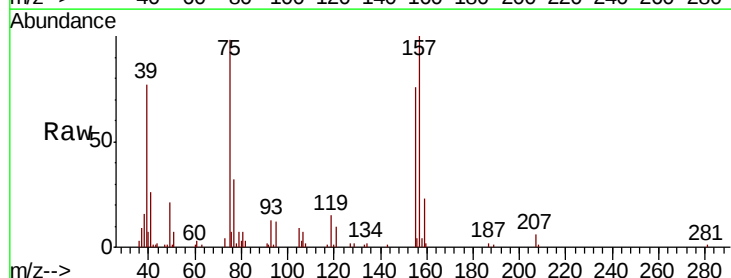
Tgt Ion: 75 Resp: 25478

Ion Ratio Lower Upper

75 100

155 76.3 39.5 118.5

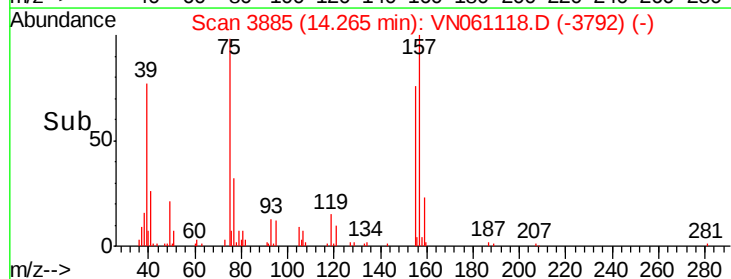
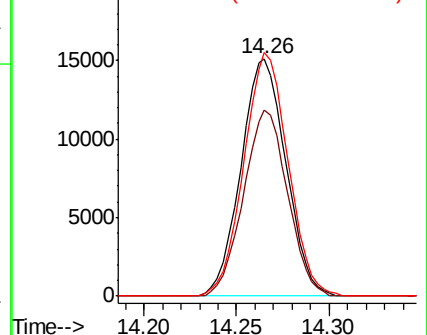
157 100.5 50.1 150.4

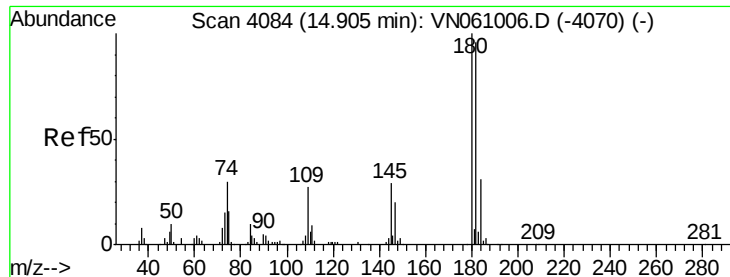


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

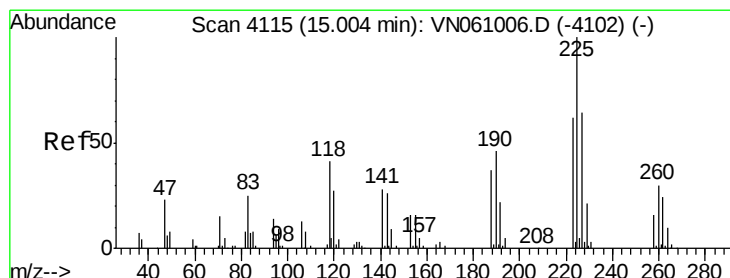
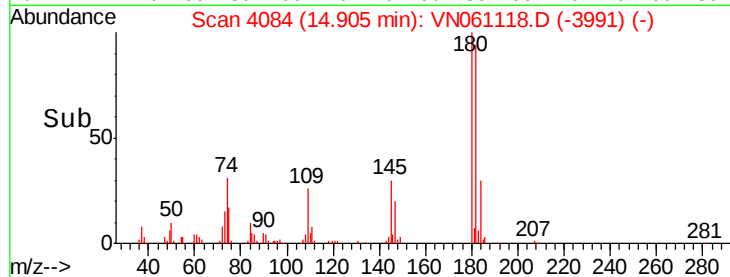
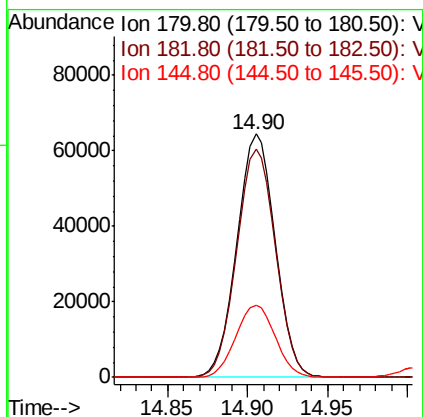
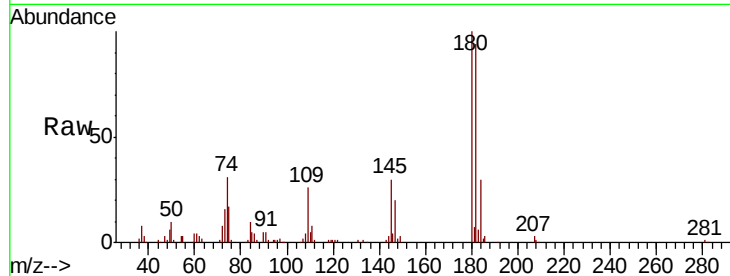




#93
 1,2,4-Trichlorobenzene
 Concen: 50.213 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

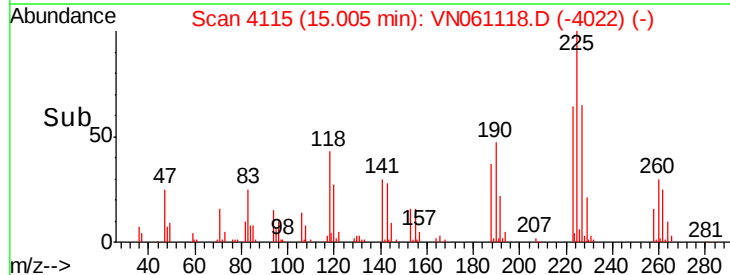
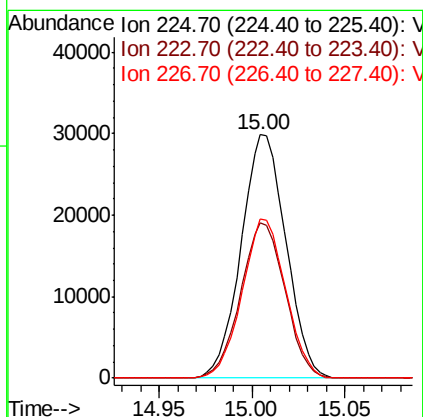
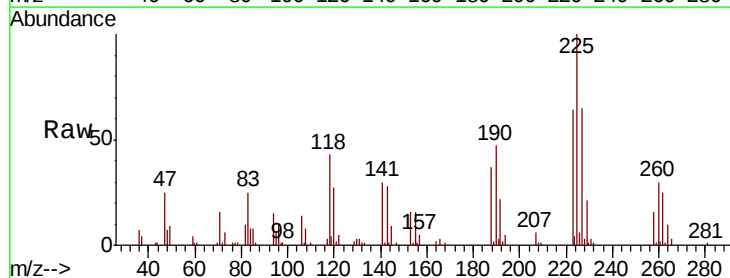
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

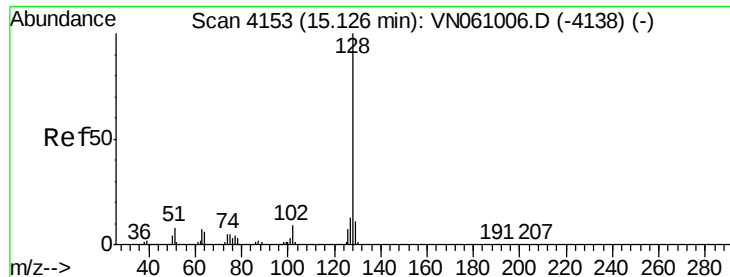
Tot Ion:180 Resp: 104947
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.8 143.3
 145 30.5 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 46.558 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion:225 Resp: 50058
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.3 93.8
 227 63.4 31.9 95.5





#95

Naphthalene

Concen: 49.323 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

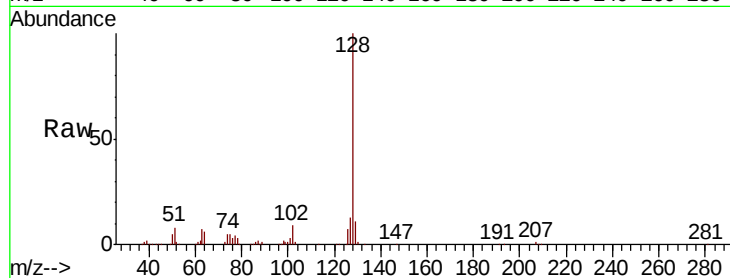
Tot Ion:128 Resp: 300638

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

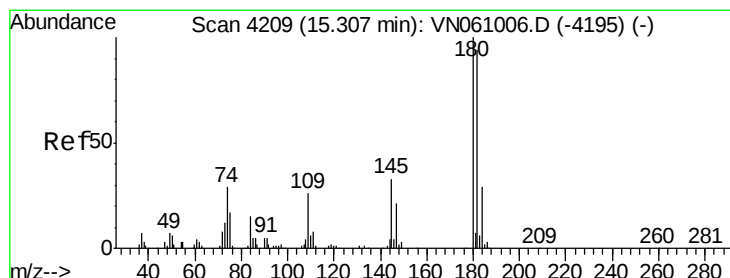
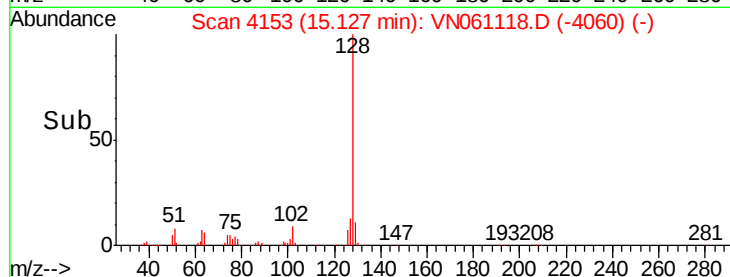
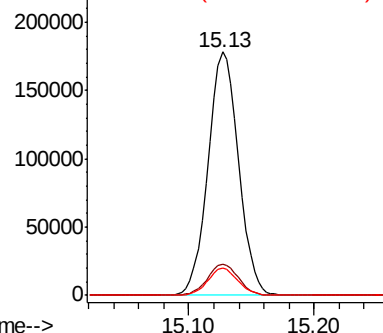
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.650 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

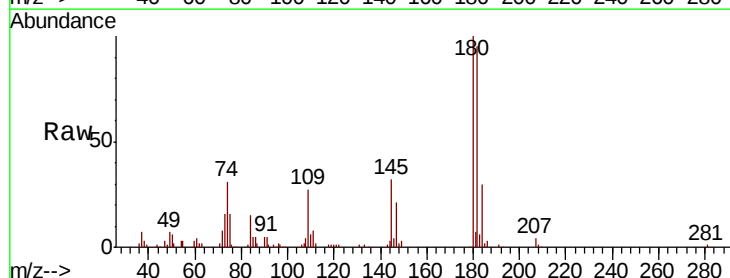
Tgt Ion:180 Resp: 100004

Ion Ratio Lower Upper

180 100

182 95.3 47.6 142.8

145 32.7 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

