

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061220.D
 Acq On : 1 May 2020 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 04 00:50:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	124945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	209458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	194735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	87477	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
35) Dibromofluoromethane	7.54	113	57186	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
50) Toluene-d8	10.06	98	238815	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.37	95	89784	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62157	46.913	ug/l	99
3) Chloromethane	2.03	50	91380	56.946	ug/l	98
4) Vinyl Chloride	2.16	62	84829	46.543	ug/l	99
5) Bromomethane	2.53	94	35503	39.407	ug/l	99
6) Chloroethane	2.67	64	49530	42.875	ug/l	99
7) Trichlorofluoromethane	2.98	101	103242	50.208	ug/l	98
8) Diethyl Ether	3.37	74	50603	58.999	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	66438	50.153	ug/l	99
10) Methyl Iodide	3.91	142	82759	48.612	ug/l	96
11) Tert butyl alcohol	4.73	59	60930	230.067	ug/l	99
12) 1,1-Dichloroethene	3.69	96	65117	49.396	ug/l	99
13) Acrolein	3.56	56	48354	273.979	ug/l	98
14) Allyl chloride	4.27	41	151419	61.948	ug/l	92
15) Acrylonitrile	4.92	53	225080	276.859	ug/l	98
16) Acetone	3.77	43	199616	261.320	ug/l	97
17) Carbon Disulfide	4.01	76	170433	46.803	ug/l	100
18) Methyl Acetate	4.27	43	117467	47.109	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	256207	50.862	ug/l	98
20) Methylene Chloride	4.50	84	78615	50.996	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	71198	49.599	ug/l	99
22) Diisopropyl ether	5.90	45	308891	54.496	ug/l	97
23) Vinyl Acetate	5.83	43	1235858	270.791	ug/l	99
24) 1,1-Dichloroethane	5.79	63	151050	51.004	ug/l	99
25) 2-Butanone	6.78	43	299080	255.654	ug/l	99
26) 2,2-Dichloropropane	6.77	77	122959	49.293	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	83569	49.609	ug/l	99
28) Bromochloromethane	7.15	49	71545	50.969	ug/l	94
29) Tetrahydrofuran	7.16	42	203901	258.743	ug/l	96
30) Chloroform	7.32	83	141353	47.099	ug/l	99
31) Cyclohexane	7.61	56	134405	46.732	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	118218	45.236	ug/l	99
36) 1,1-Dichloropropene	7.75	75	106790	50.931	ug/l	99
37) Ethyl Acetate	6.88	43	128333	52.208	ug/l	99
38) Carbon Tetrachloride	7.73	117	85436	44.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	119966	51.018	ug/l	99
40) Benzene	8.00	78	319488	51.144	ug/l	98
41) Methacrylonitrile	7.12	41	64563	63.260	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	117496	49.649	ug/l	99
43) Isopropyl Acetate	8.12	43	212891	52.185	ug/l	99
44) Trichloroethene	8.80	130	79572	47.121	ug/l	100
45) 1,2-Dichloropropane	9.08	63	88170	52.832	ug/l	100
46) Dibromomethane	9.17	93	53417	51.694	ug/l	98
47) Bromodichloromethane	9.37	83	113112	50.999	ug/l	97
48) Methyl methacrylate	9.16	41	97563	52.998	ug/l	98
49) 1,4-Dioxane	9.16	88	19033	910.828	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	631050	262.798	ug/l	100
52) Toluene	10.12	92	191130	50.797	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	130989	52.414	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	139502	52.800	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	76281	50.827	ug/l	98
56) Ethyl methacrylate	10.40	69	125963	48.264	ug/l	97
57) 1,3-Dichloropropane	10.68	76	139564	52.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	331245	272.669	ug/l	98
59) 2-Hexanone	10.72	43	454699	260.278	ug/l	100
60) Dibromochloromethane	10.87	129	78350	49.845	ug/l	99
61) 1,2-Dibromoethane	10.98	107	74843	49.754	ug/l	98
64) Tetrachloroethene	10.60	164	79884	47.363	ug/l	99
65) Chlorobenzene	11.40	112	193695	50.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	69928	50.578	ug/l	98
67) Ethyl Benzene	11.48	91	371153	51.326	ug/l	99
68) m/p-Xylenes	11.59	106	270656	102.255	ug/l	98
69) o-Xylene	11.92	106	128530	50.553	ug/l	98
70) Styrene	11.94	104	219826	51.659	ug/l	99
71) Bromoform	12.10	173	52999	52.159	ug/l #	99
73) Isopropylbenzene	12.22	105	347810	51.449	ug/l	99
74) N-amyl acetate	12.04	43	185546	54.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	111078	52.695	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	151693	78.244	ug/l #	100
77) Bromobenzene	12.50	156	79336	50.838	ug/l	95
78) n-propylbenzene	12.56	91	424487	52.939	ug/l	100
79) 2-Chlorotoluene	12.65	91	245197	52.025	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	296764	53.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	40985	53.685	ug/l	98
82) 4-Chlorotoluene	12.75	91	259871	52.316	ug/l	98
83) tert-Butylbenzene	12.97	119	244412	51.805	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	297897	51.677	ug/l	99
85) sec-Butylbenzene	13.15	105	338120	52.566	ug/l	99
86) p-Isopropyltoluene	13.26	119	302631	52.219	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	146396	50.958	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	147493	50.247	ug/l	99
89) n-Butylbenzene	13.59	91	290609	54.699	ug/l	99
90) Hexachloroethane	13.85	117	29806	49.413	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	139687	50.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21627	48.578	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

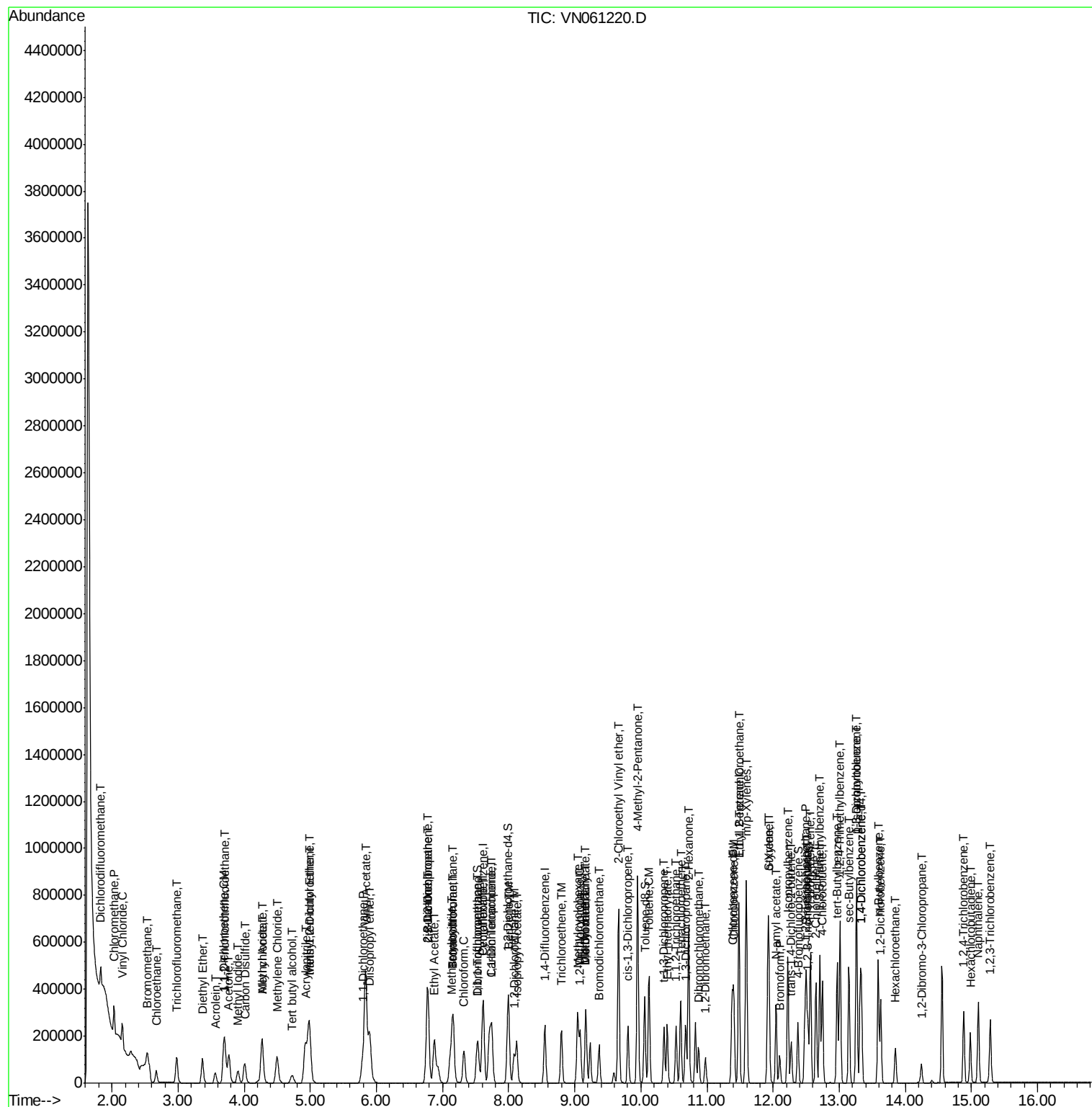
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	90226	53.788	ug/l	100
94) Hexachlorobutadiene	14.99	225	39200	55.938	ug/l	98
95) Naphthalene	15.10	128	272744	49.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	86388	52.163	ug/l	99

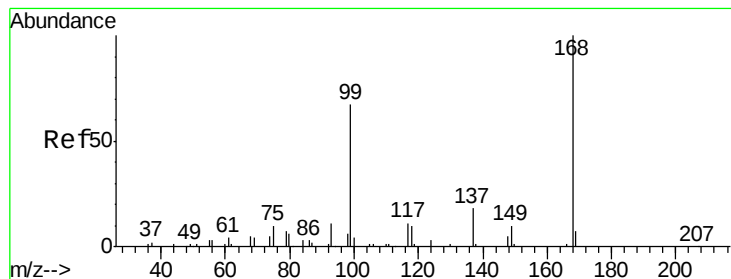
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

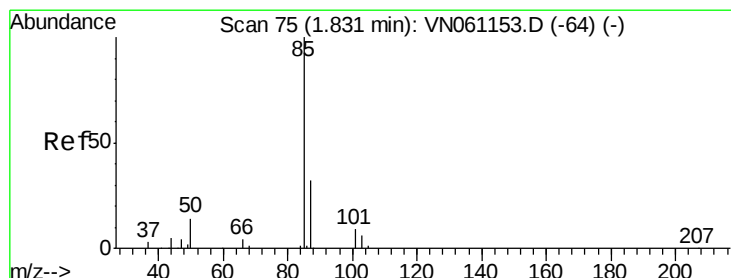
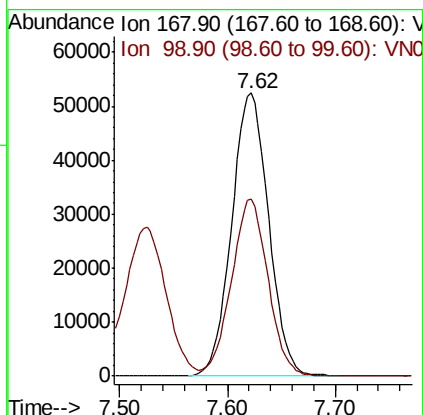
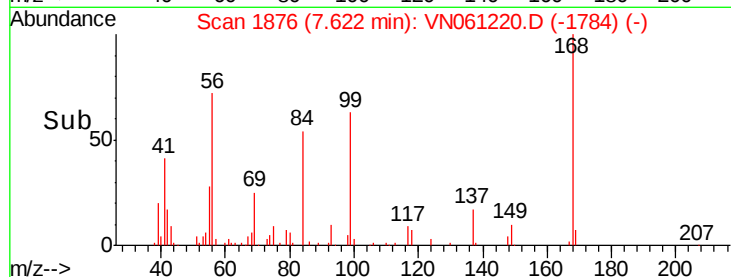
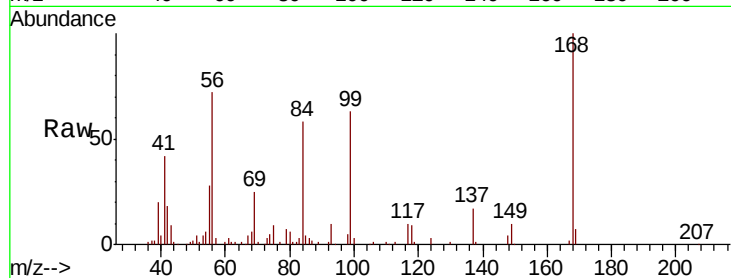
VSTDCCC050

Tot Ion:168 Resp: 124945

Ion Ratio Lower Upper

168 100

99 62.7 51.2 76.8



#2

Dichlorodifluoromethane

Concen: 46.913 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061220.D

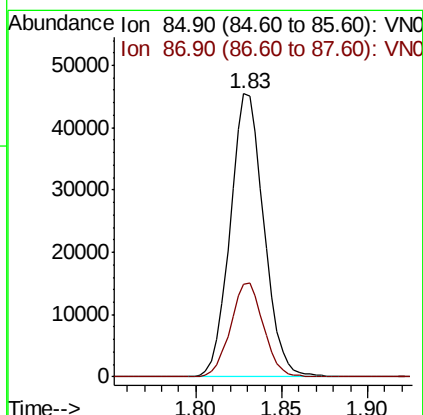
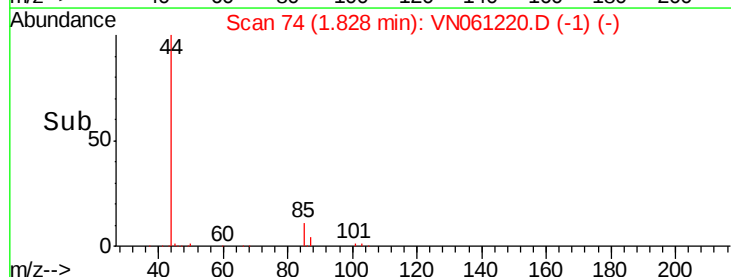
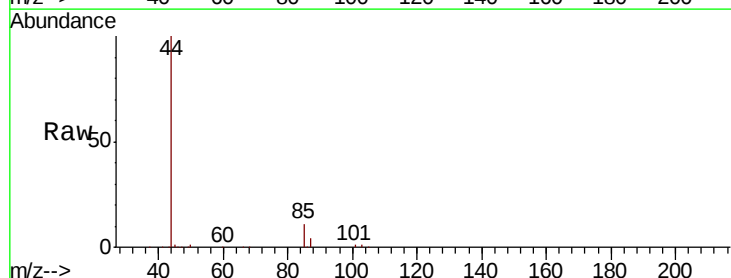
Acq: 1 May 2020 10:43

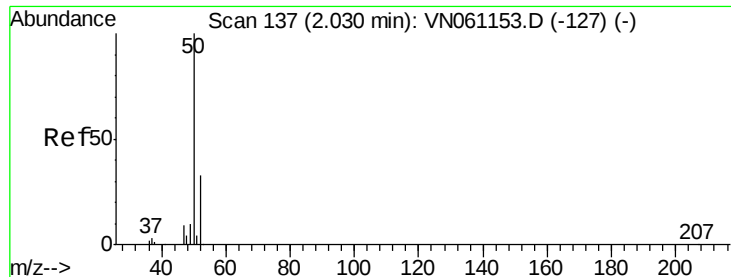
Tgt Ion: 85 Resp: 62157

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2





#3

Chloromethane

Concen: 56.946 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

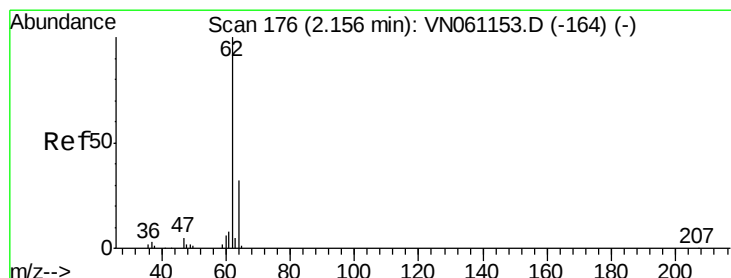
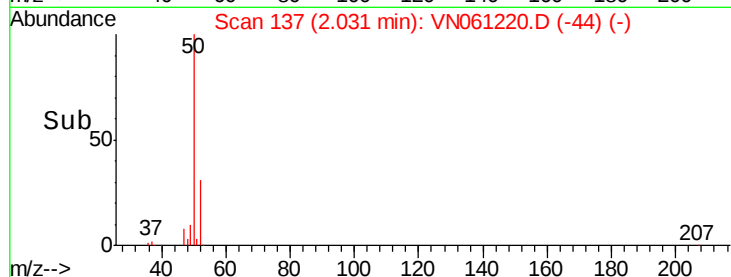
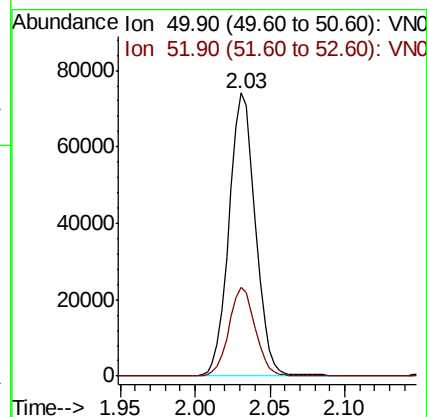
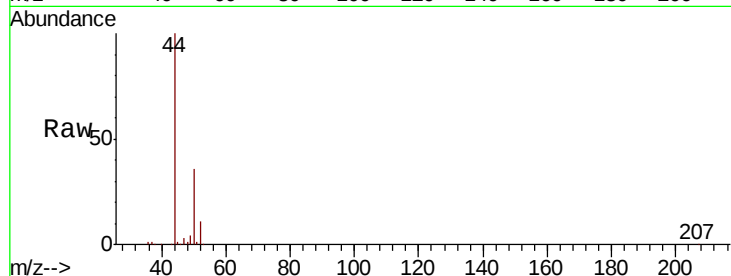
VSTDCCC050

Tot Ion: 50 Resp: 91380

Ion Ratio Lower Upper

50 100

52 31.2 26.0 39.0



#4

Vinyl Chloride

Concen: 46.543 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061220.D

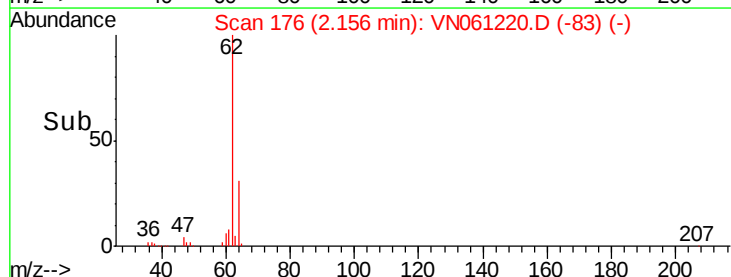
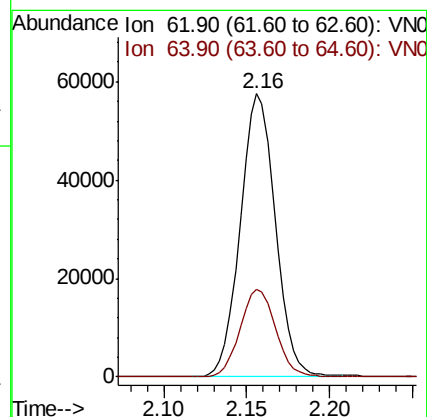
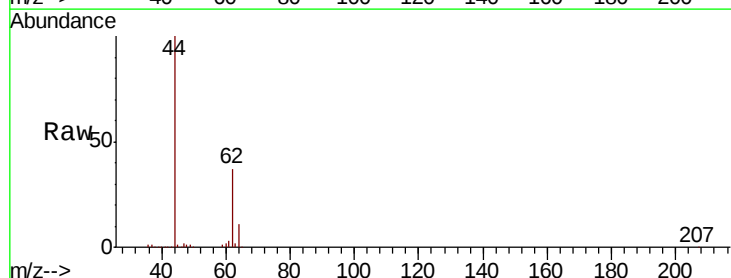
Acq: 1 May 2020 10:43

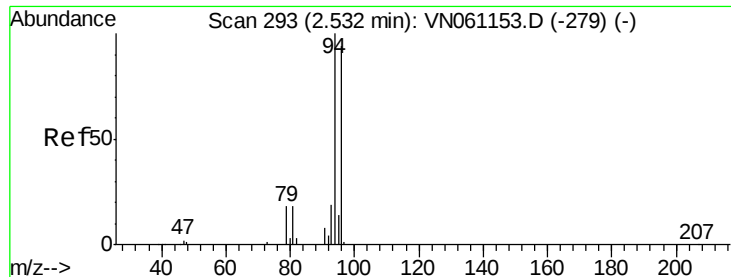
Tgt Ion: 62 Resp: 84829

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 39.407 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

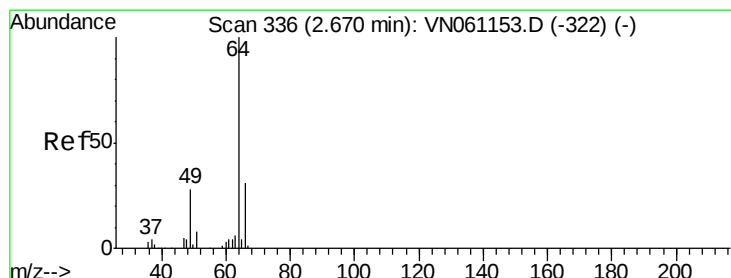
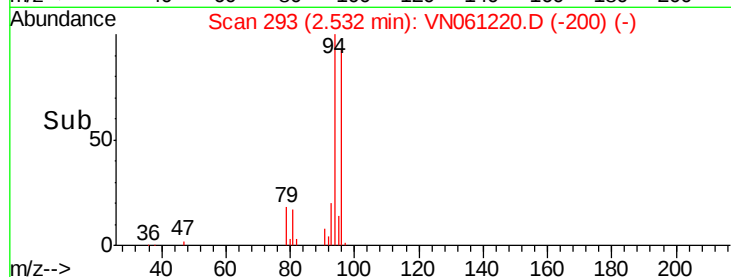
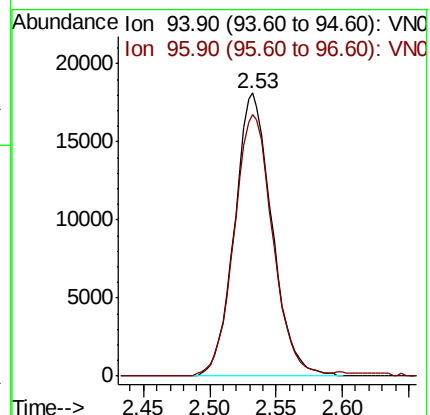
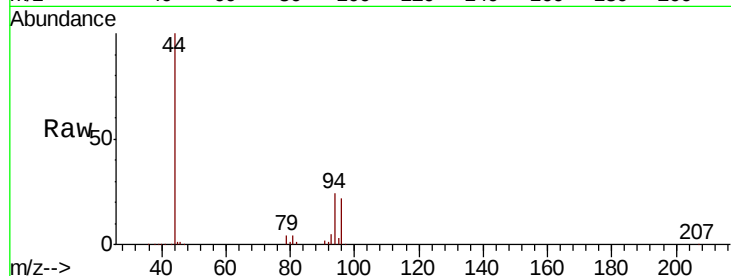
VSTDCCC050

Tot Ion: 94 Resp: 35503

Ion Ratio Lower Upper

94 100

96 92.6 75.1 112.7



#6

Chloroethane

Concen: 42.875 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061220.D

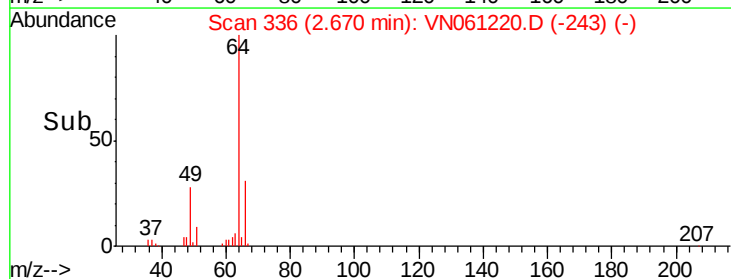
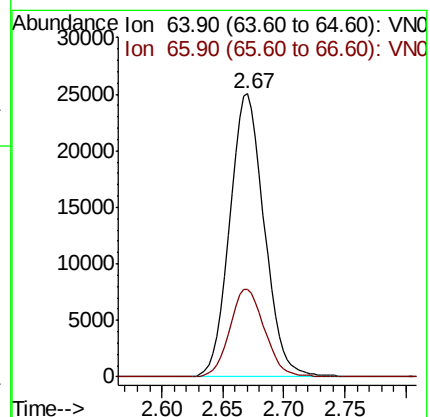
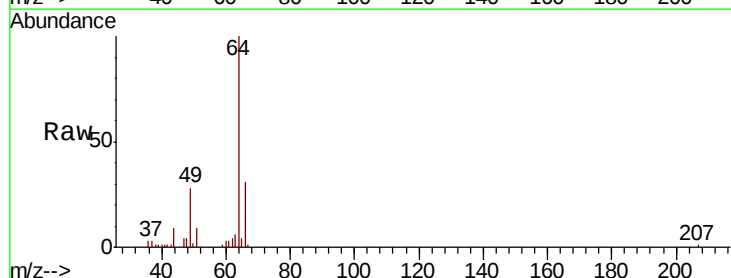
Acq: 1 May 2020 10:43

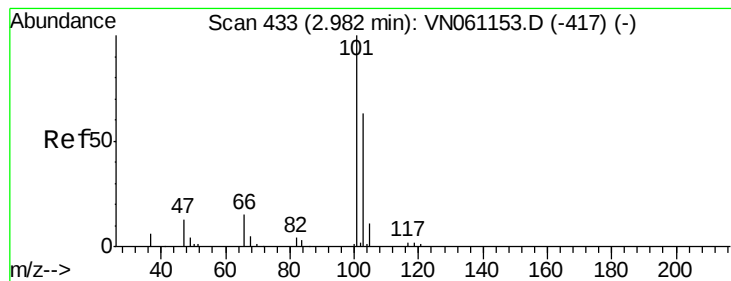
Tgt Ion: 64 Resp: 49530

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8



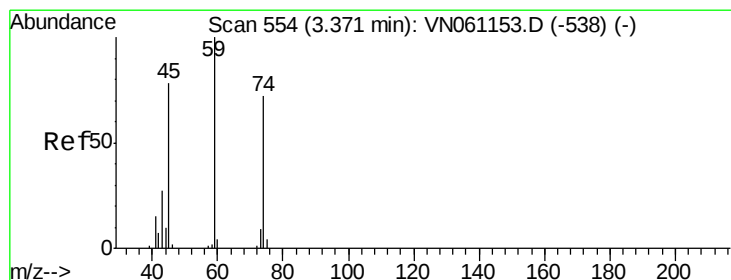
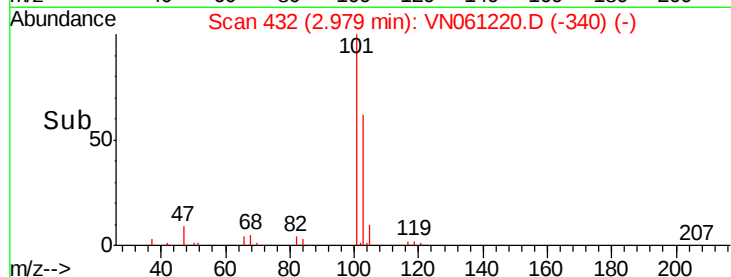
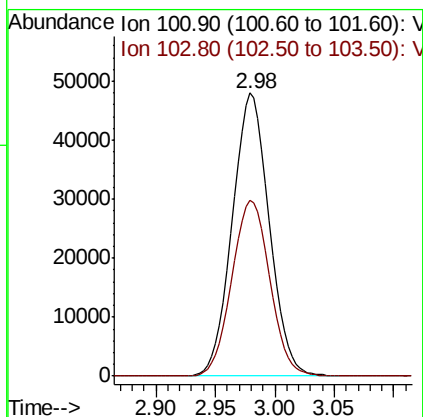
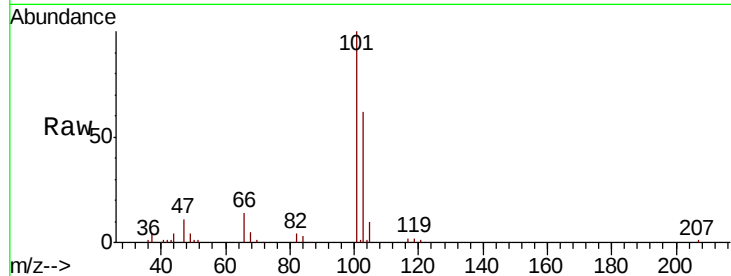


#7

Trichlorofluoromethane
 Concen: 50.208 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
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 VSTDCCC050

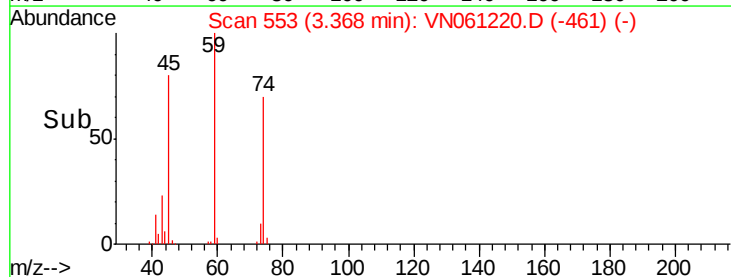
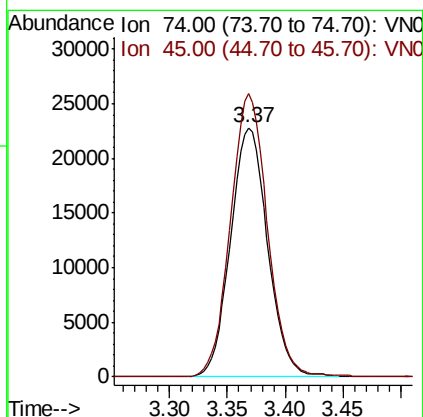
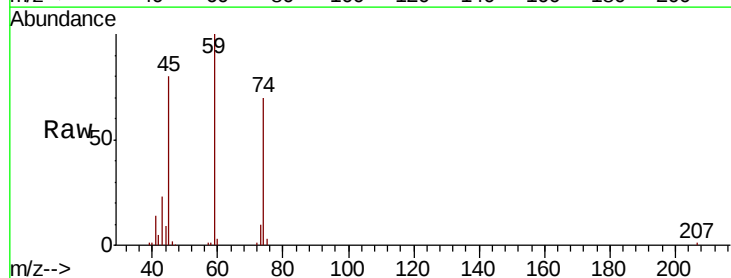
Tot Ion:101 Resp: 103242
 Ion Ratio Lower Upper
 101 100
 103 62.0 50.6 76.0



#8

Diethyl Ether
 Concen: 58.999 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 74 Resp: 50603
 Ion Ratio Lower Upper
 74 100
 45 112.9 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.153 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

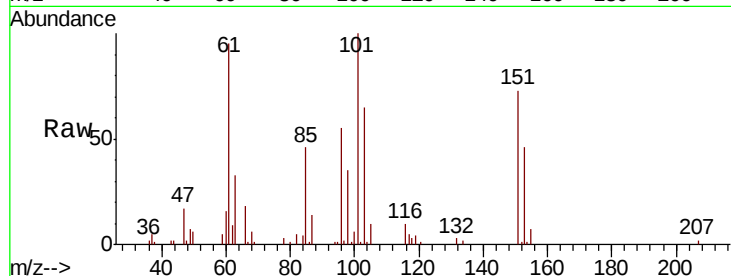
Tot Ion:101 Resp: 66438

Ion Ratio Lower Upper

101 100

85 45.3 37.2 55.8

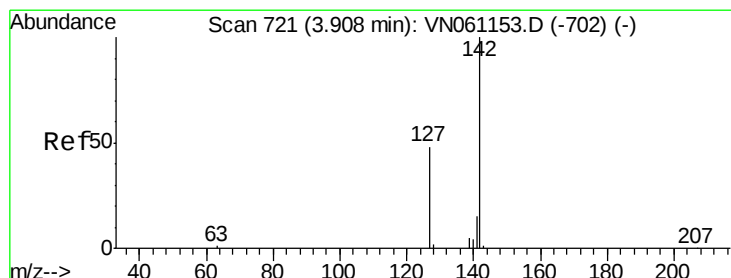
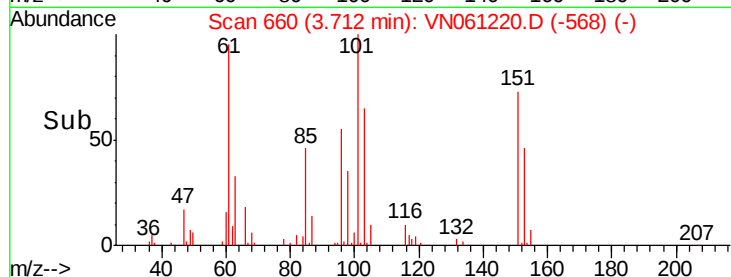
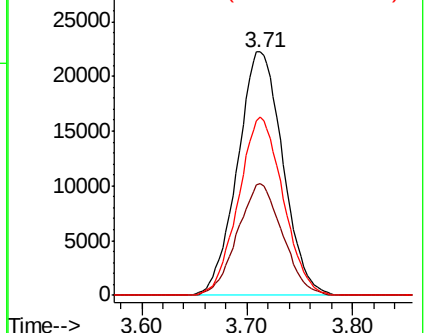
151 72.0 57.7 86.5



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: 48.612 ug/l

RT: 3.91 min Scan# 720

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

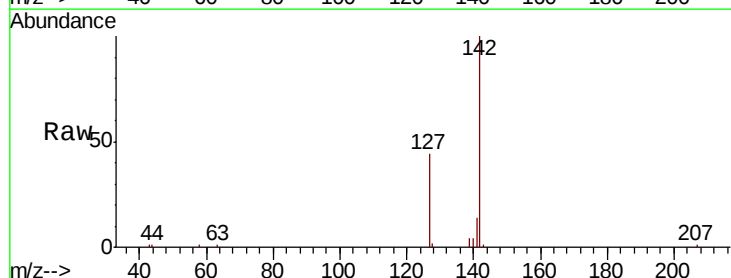
Tgt Ion:142 Resp: 82759

Ion Ratio Lower Upper

142 100

127 44.0 38.0 57.0

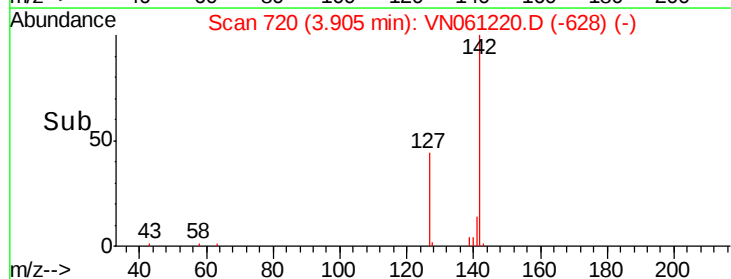
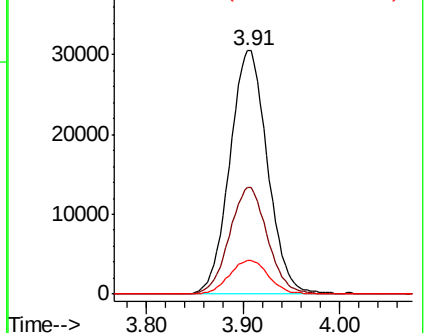
141 14.3 11.7 17.5

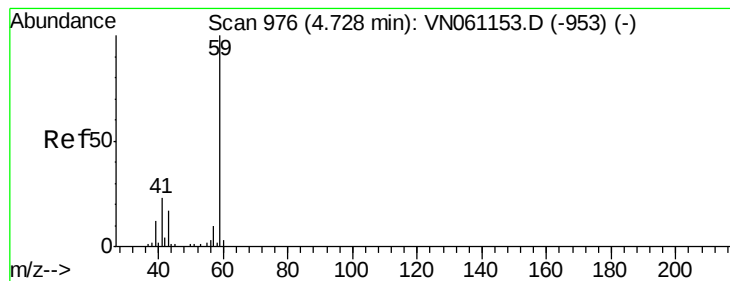


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



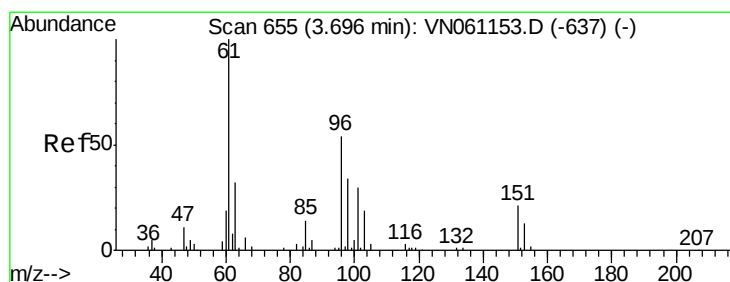
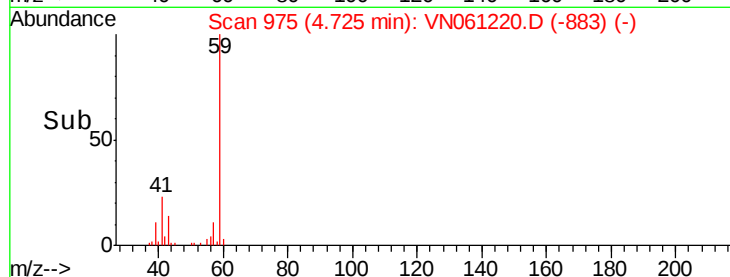
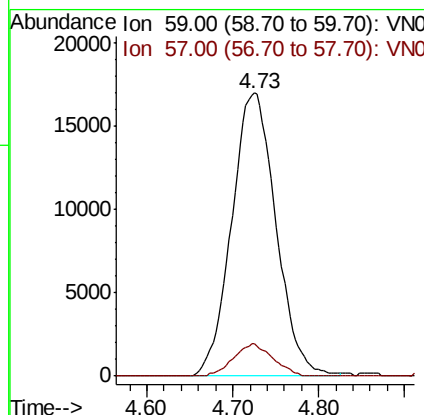
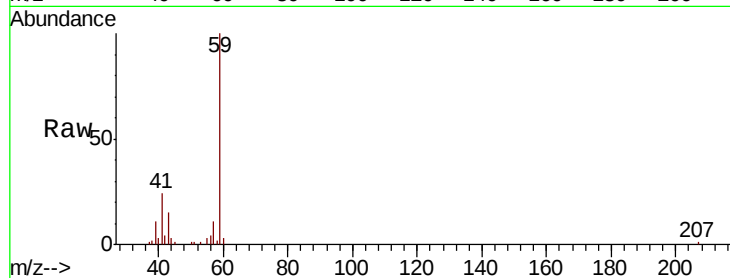


#11

Tert butyl alcohol
 Concen: 230.067 ug/l
 RT: 4.73 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

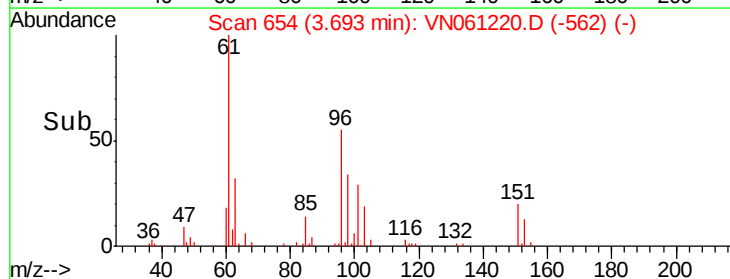
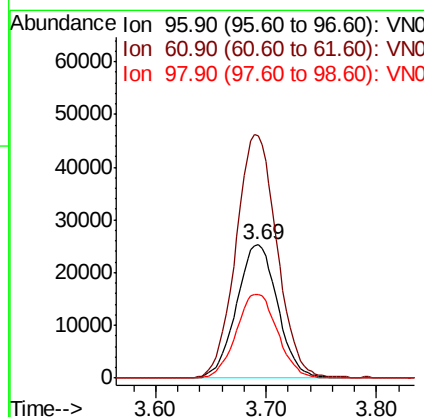
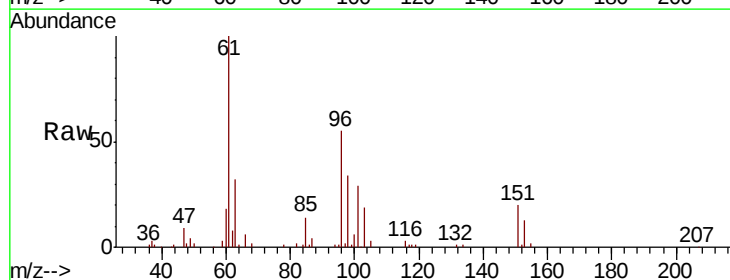
Tot Ion: 59 Resp: 60930
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

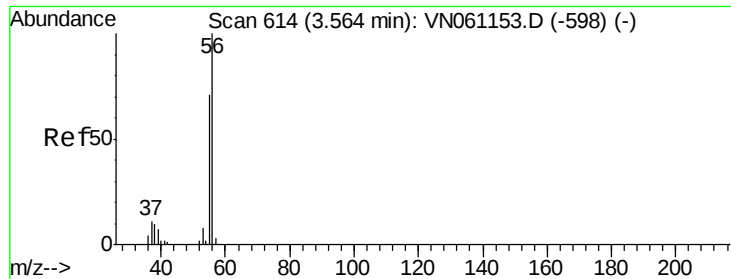


#12

1,1-Dichloroethene
 Concen: 49.396 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 96 Resp: 65117
 Ion Ratio Lower Upper
 96 100
 61 182.5 147.0 220.6
 98 62.8 49.8 74.6





#13

Acrolein

Concen: 273.979 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

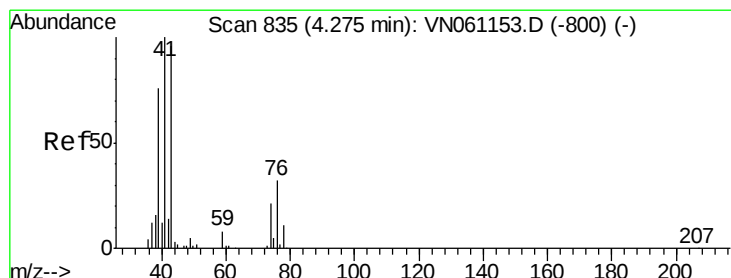
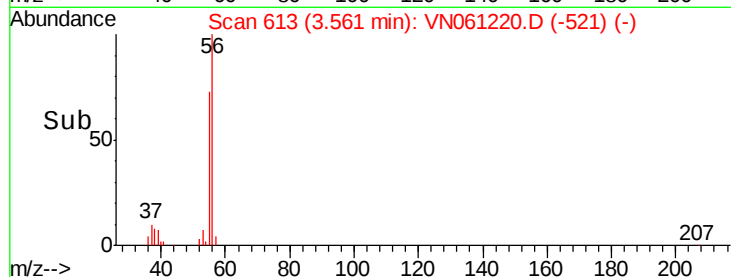
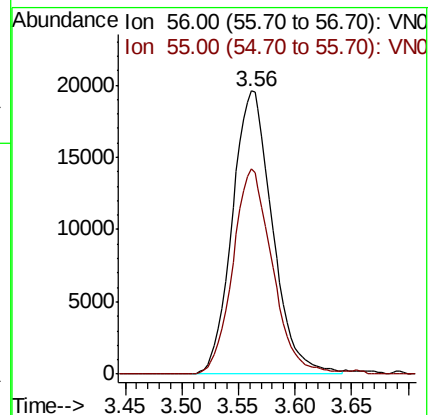
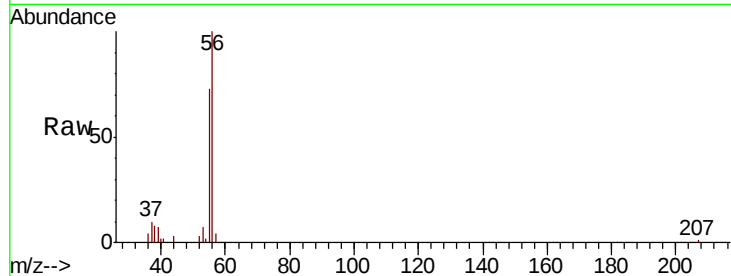
VSTDCCC050

Tot Ion: 56 Resp: 48354

Ion Ratio Lower Upper

56 100

55 71.5 58.5 87.7



#14

Allyl chloride

Concen: 61.948 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

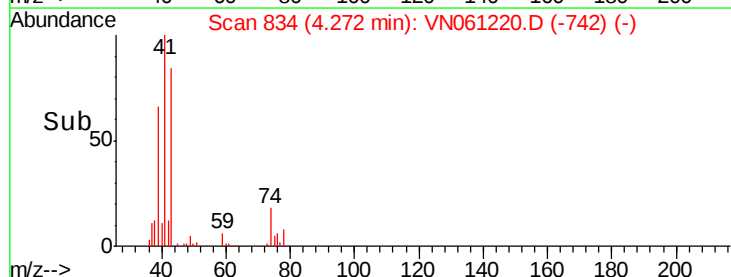
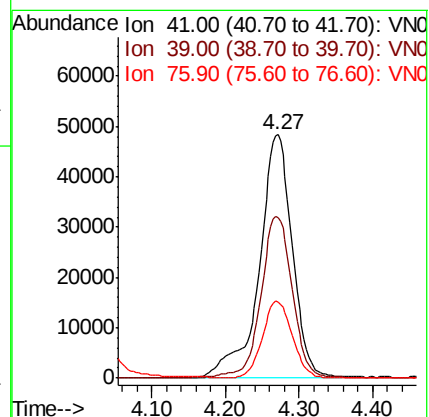
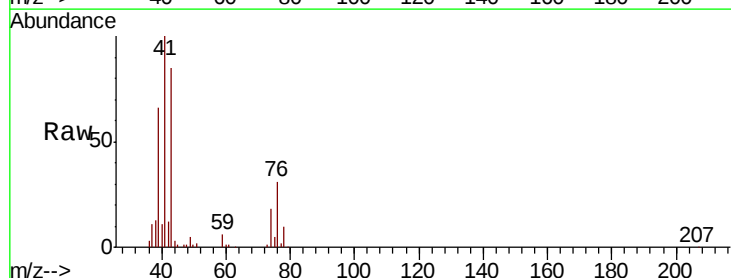
Tgt Ion: 41 Resp: 151419

Ion Ratio Lower Upper

41 100

39 62.9 57.1 85.7

76 28.5 24.3 36.5





#15

Acrylonitrile

Concen: 276.859 ug/l

RT: 4.92 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

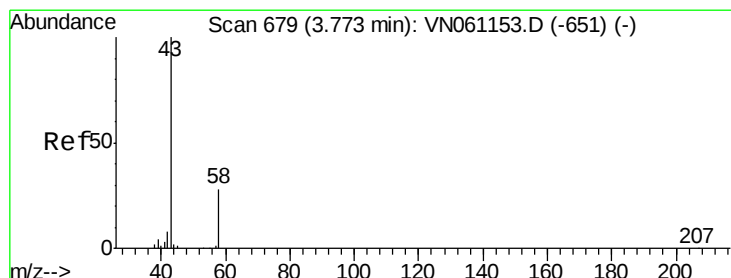
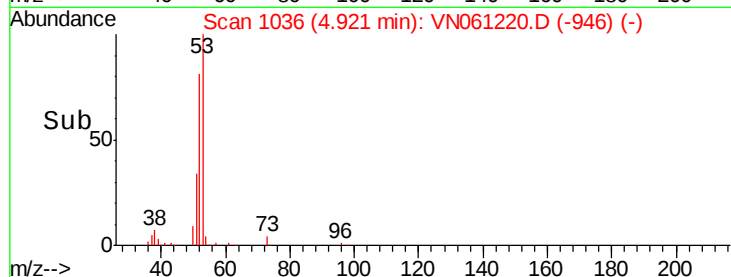
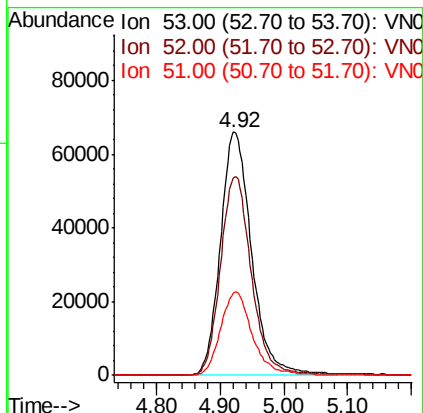
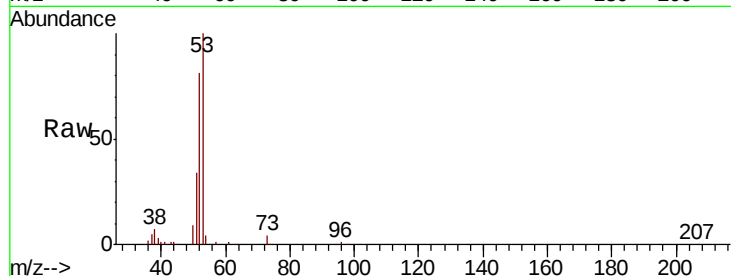
Tot Ion: 53 Resp: 225080

Ion Ratio Lower Upper

53 100

52 80.7 65.4 98.0

51 34.8 29.5 44.3



#16

Acetone

Concen: 261.320 ug/l

RT: 3.77 min Scan# 677

Delta R.T. -0.01 min

Lab File: VN061220.D

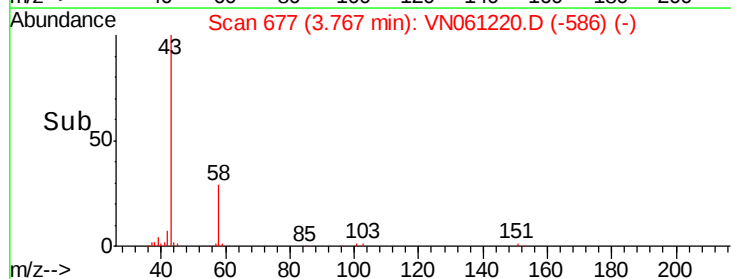
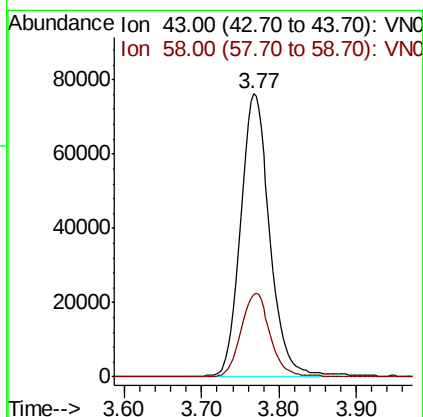
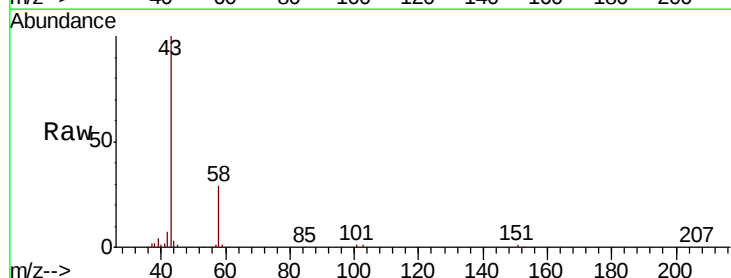
Acq: 1 May 2020 10:43

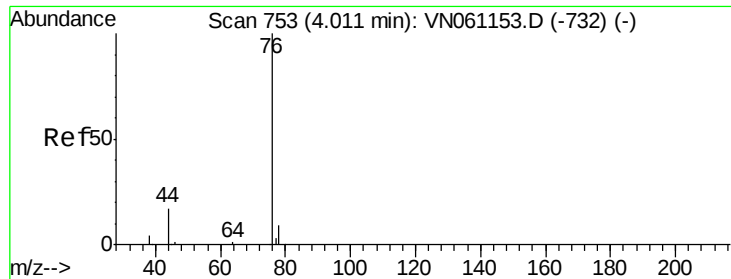
Tgt Ion: 43 Resp: 199616

Ion Ratio Lower Upper

43 100

58 29.0 22.2 33.2

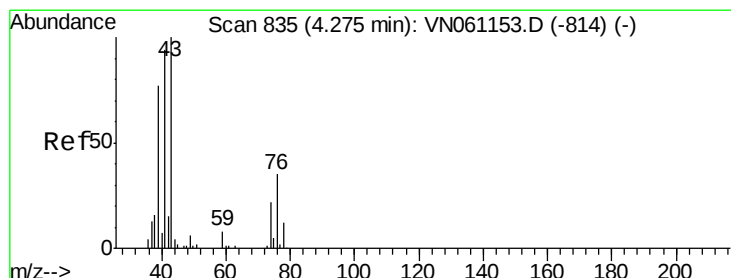
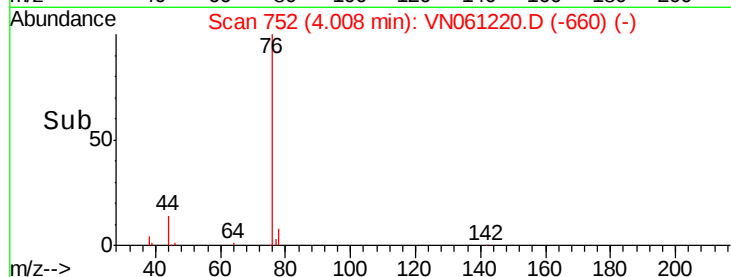
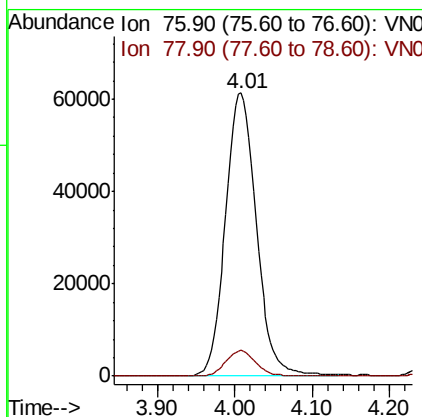
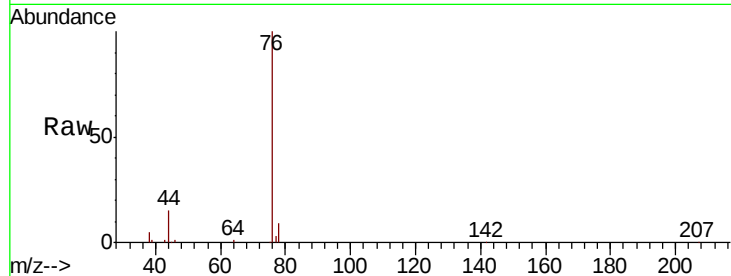




#17
Carbon Disulfide
Concen: 46.803 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

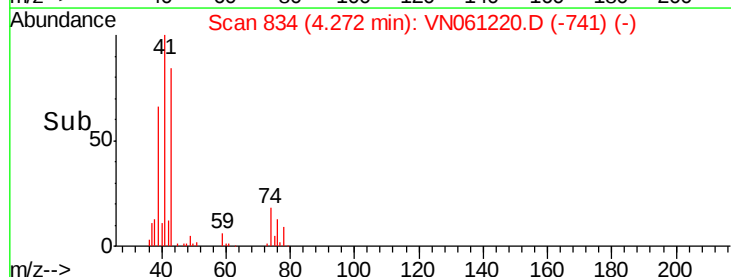
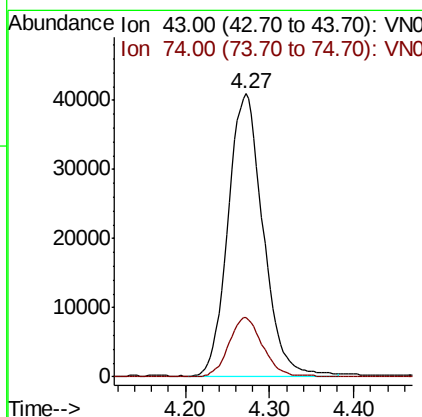
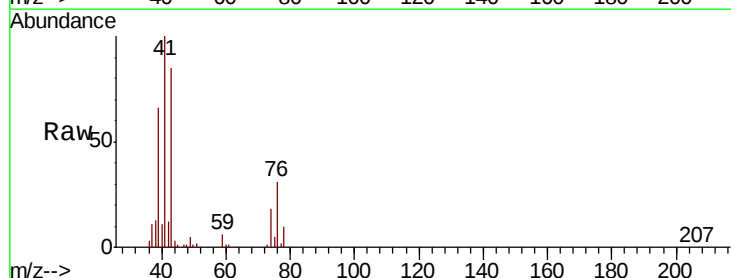
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 170433
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 47.109 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 43 Resp: 117467
Ion Ratio Lower Upper
43 100
74 20.4 17.0 25.4

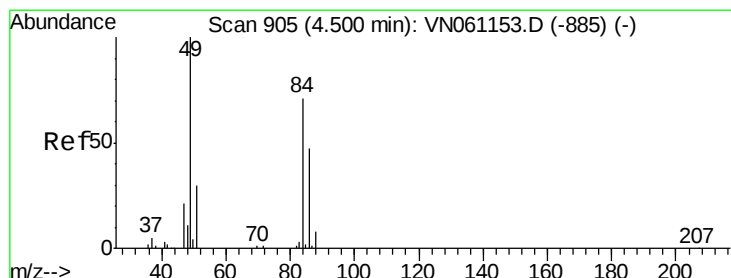
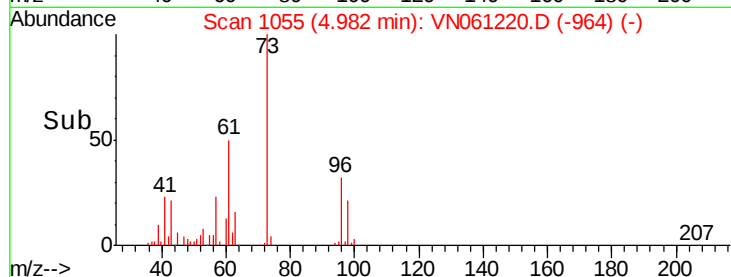
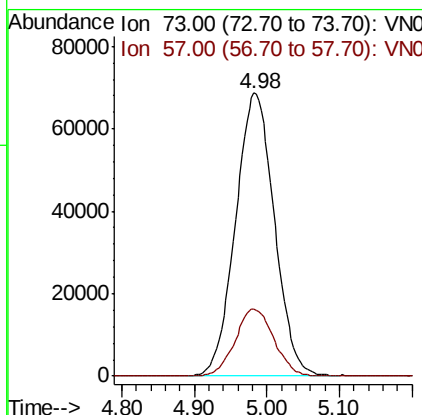
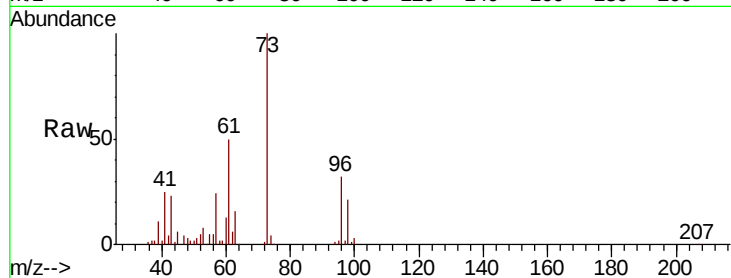




#19
Methyl tert-butyl Ether
Concen: 50.862 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

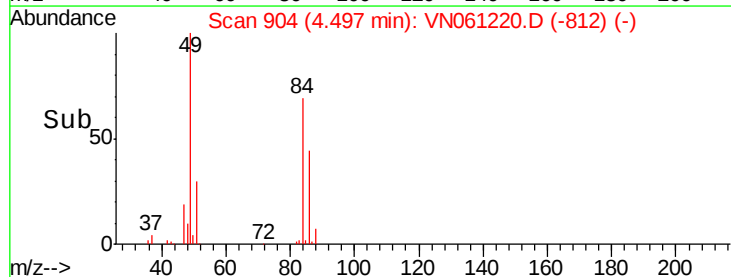
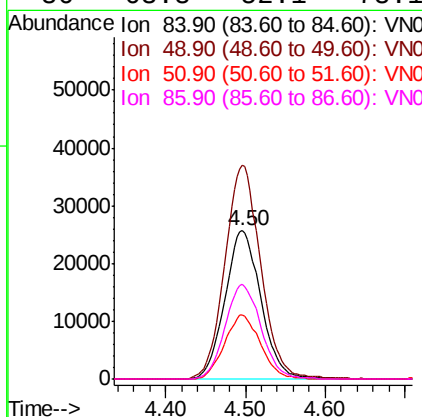
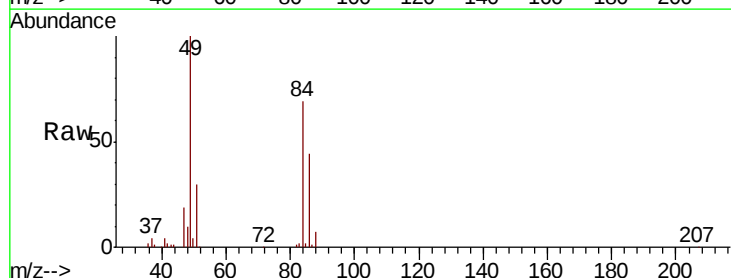
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

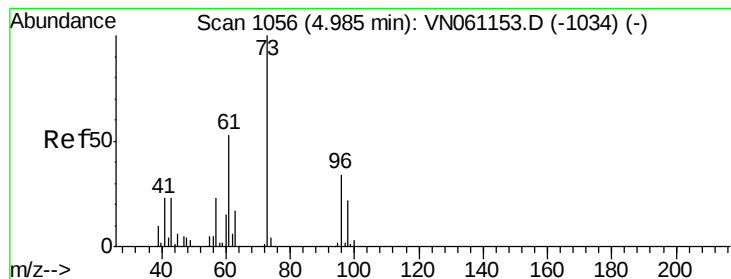
Tot Ion: 73 Resp: 256207
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5



#20
Methylene Chloride
Concen: 50.996 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 84 Resp: 78615
Ion Ratio Lower Upper
84 100
49 144.2 112.0 168.0
51 43.6 33.6 50.4
86 63.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 49.599 ug/l

RT: 4.98 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

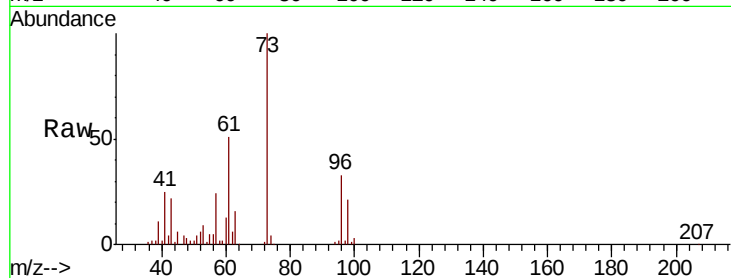
Tot Ion: 96 Resp: 71198

Ion Ratio Lower Upper

96 100

61 155.5 123.0 184.4

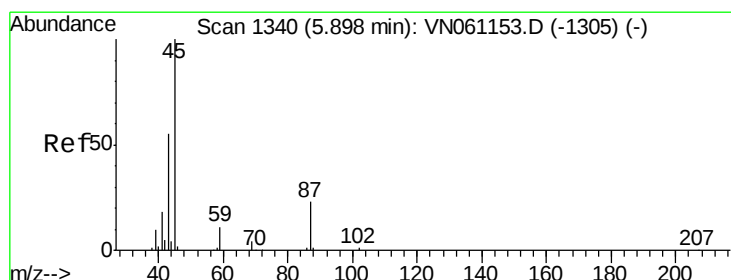
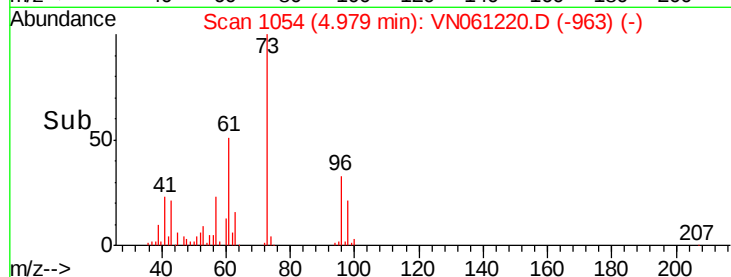
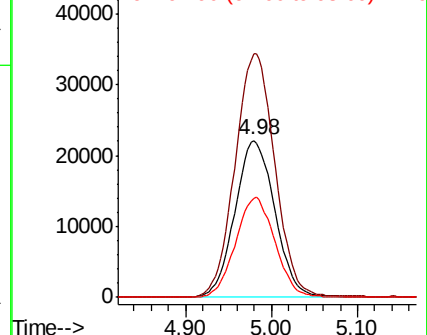
98 63.3 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VN061220.D (-963) (-)

Ion 60.90 (60.60 to 61.60): VN061220.D (-963) (-)

Ion 97.90 (97.60 to 98.60): VN061220.D (-963) (-)



#22

Diisopropyl ether

Concen: 54.496 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion: 45 Resp: 308891

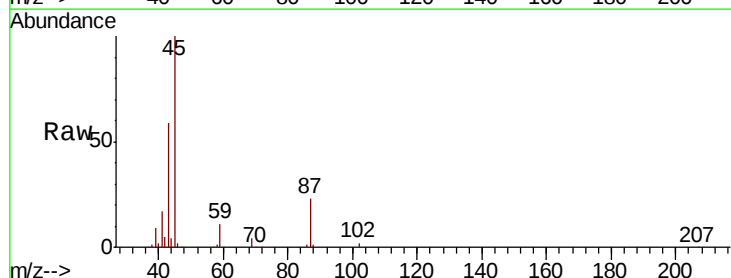
Ion Ratio Lower Upper

45 100

43 57.7 47.9 71.9

87 22.8 19.2 28.8

59 10.9 9.0 13.4

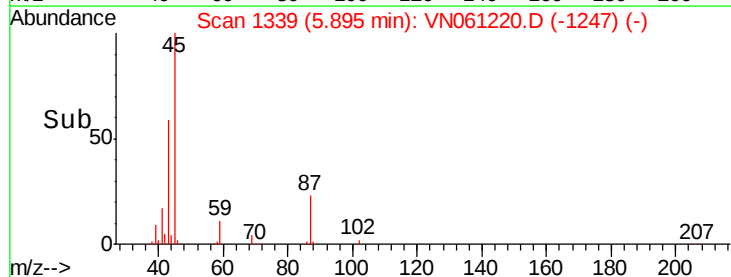
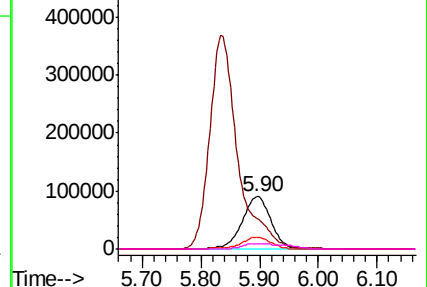


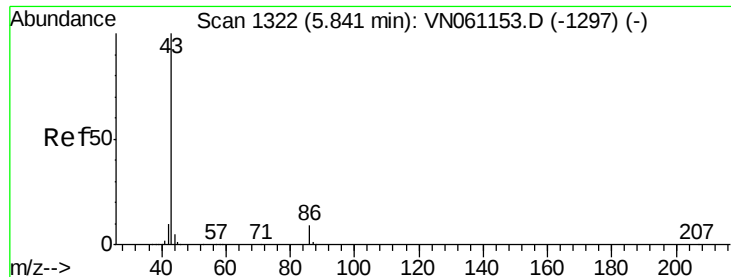
Abundance Ion 45.00 (44.70 to 45.70): VN061220.D (-1247) (-)

Ion 43.00 (42.70 to 43.70): VN061220.D (-1247) (-)

Ion 87.00 (86.70 to 87.70): VN061220.D (-1247) (-)

Ion 59.00 (58.70 to 59.70): VN061220.D (-1247) (-)





#23

Vinyl Acetate

Concen: 270.791 ug/l

RT: 5.83 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

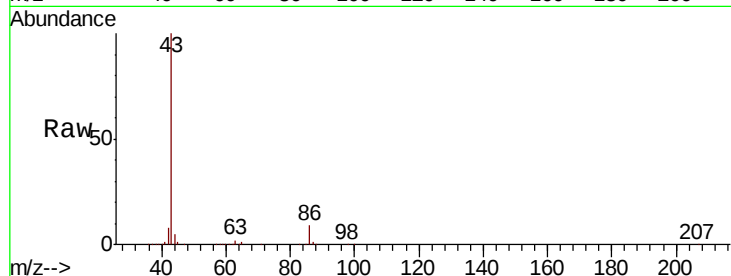
VSTDCCC050

Tot Ion: 43 Resp: 1235858

Ion Ratio Lower Upper

43 100

86 8.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061153.D (-1297) (-)

5.83

400000

300000

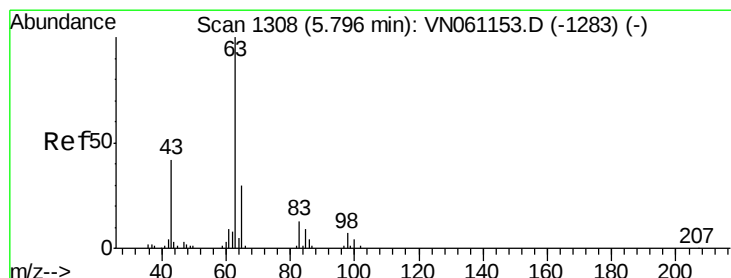
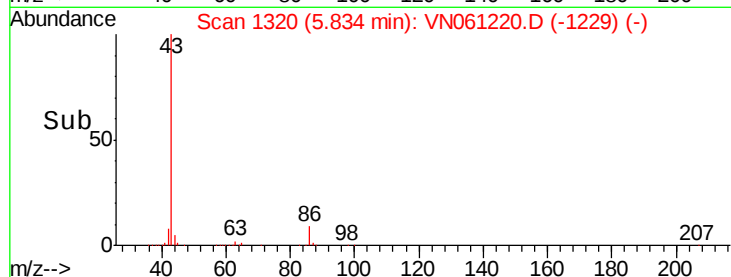
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.004 ug/l

RT: 5.79 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

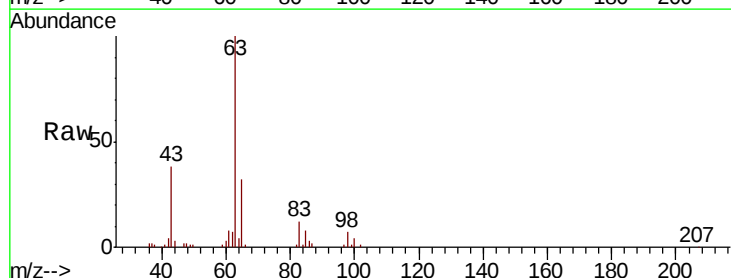
Tgt Ion: 63 Resp: 151050

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.3 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061153.D (-1283) (-)

5.79

60000

50000

40000

30000

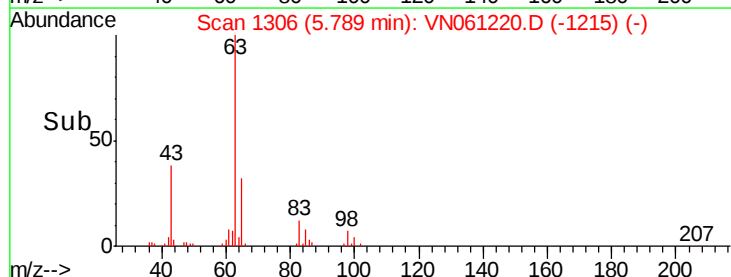
20000

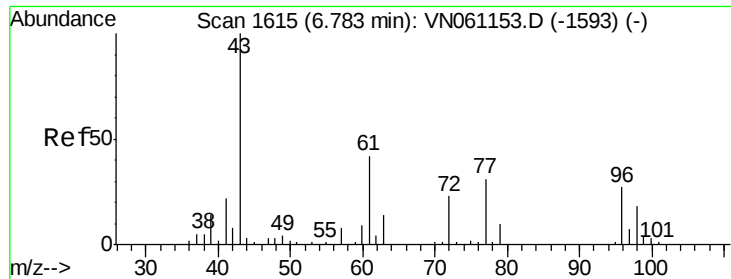
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 255.654 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

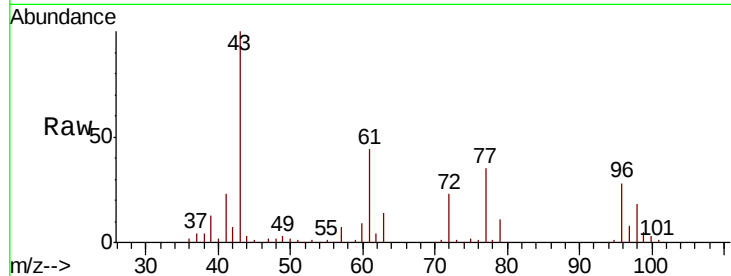
VSTDCCC050

Tot Ion: 43 Resp: 299080

Ion Ratio Lower Upper

43 100

72 23.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1593) (-)

Ion 72.00 (71.70 to 72.70): VN061153.D (-1593) (-)

6.78

120000

100000

80000

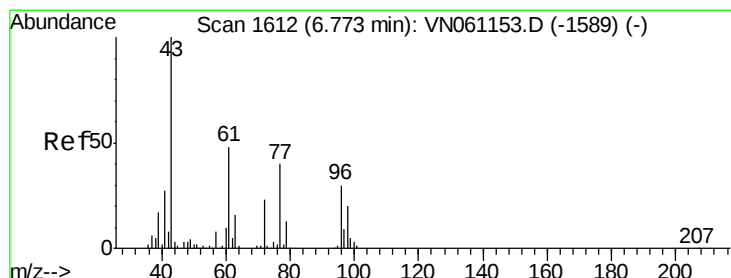
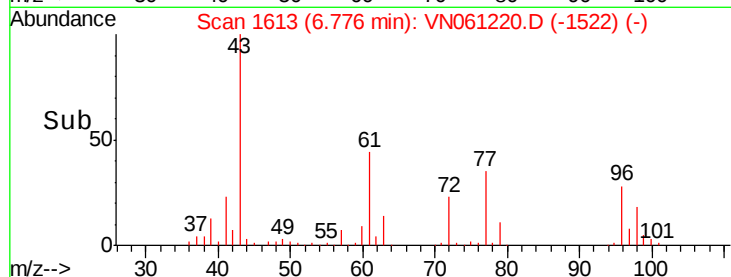
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.293 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061220.D

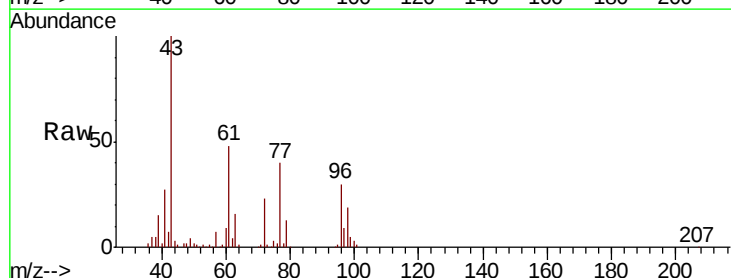
Acq: 1 May 2020 10:43

Tgt Ion: 77 Resp: 122959

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN061153.D (-1589) (-)

Ion 96.90 (96.60 to 97.60): VN061153.D (-1589) (-)

6.77

40000

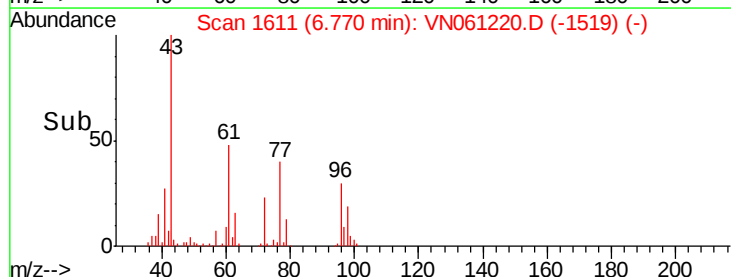
30000

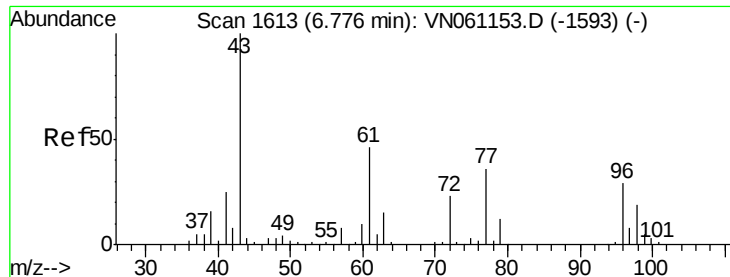
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.609 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

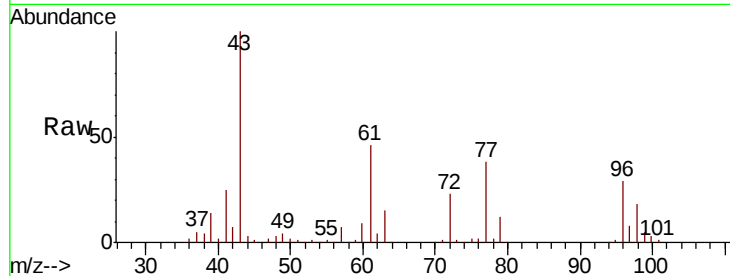
Tot Ion: 96 Resp: 83569

Ion Ratio Lower Upper

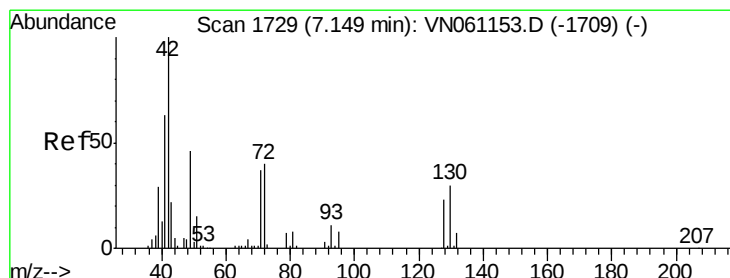
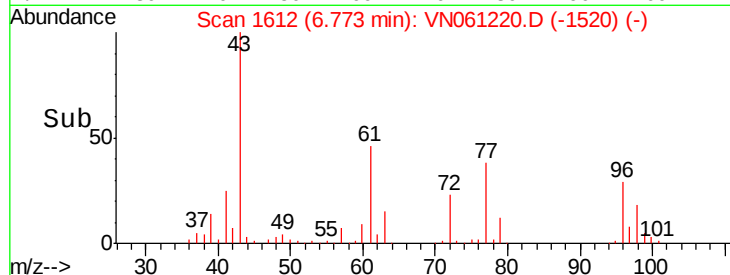
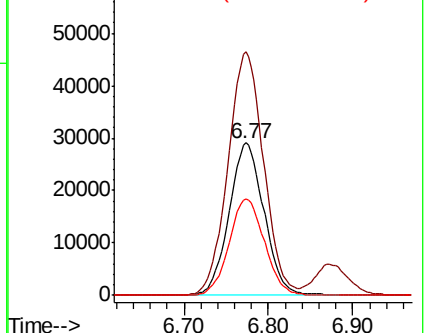
96 100

61 163.2 0.0 322.0

98 64.0 0.0 129.6



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



#28

Bromochloromethane

Concen: 50.969 ug/l

RT: 7.15 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

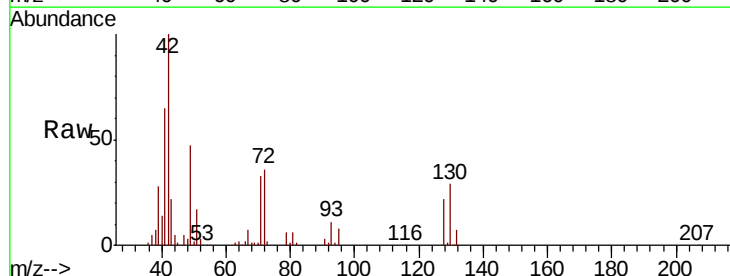
Tgt Ion: 49 Resp: 71545

Ion Ratio Lower Upper

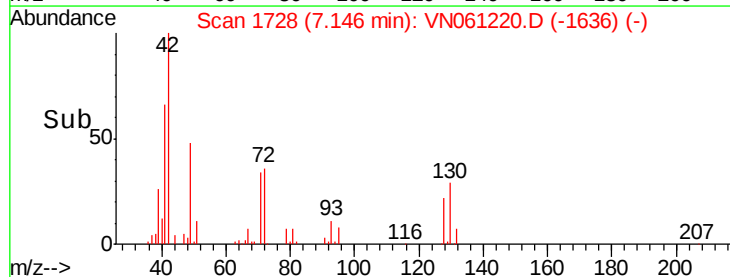
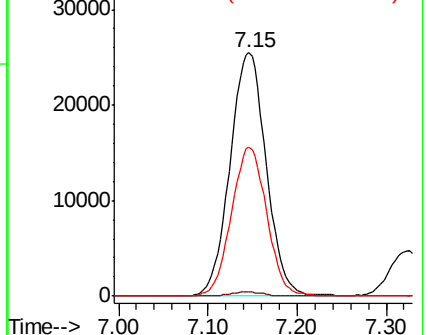
49 100

129 1.4 0.0 3.0

130 59.5 51.4 77.2



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

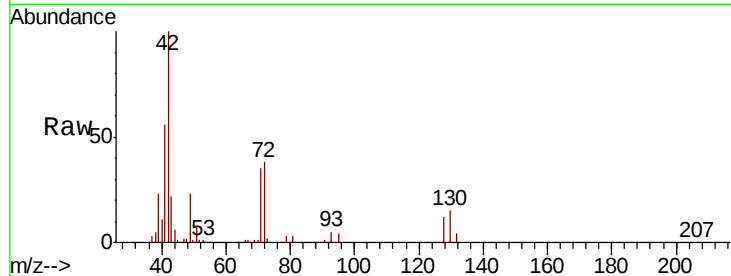




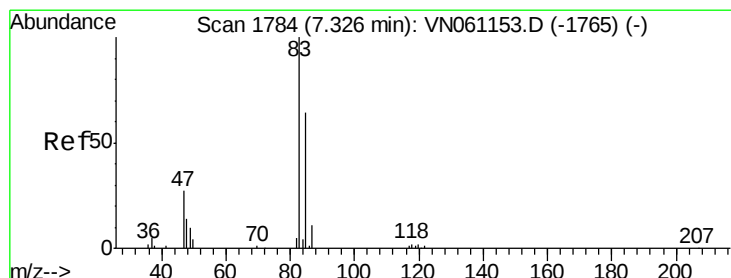
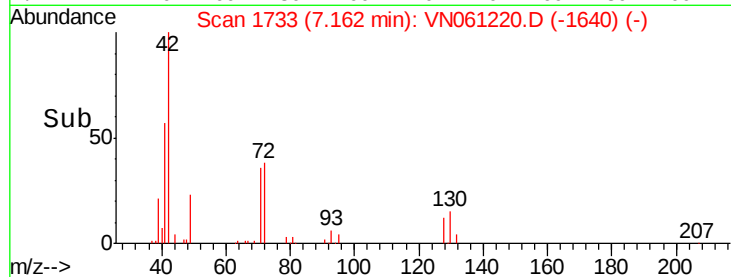
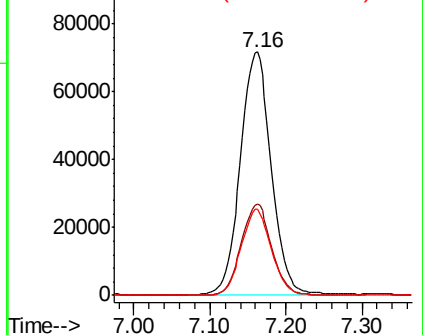
#29
Tetrahydrofuran
Concen: 258.743 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 203901
Ion Ratio Lower Upper
42 100
72 36.9 31.4 47.0
71 34.3 29.5 44.3

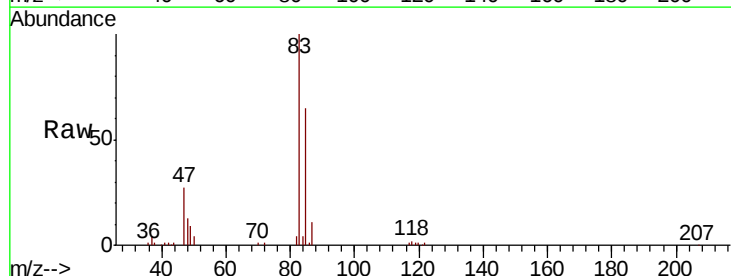


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

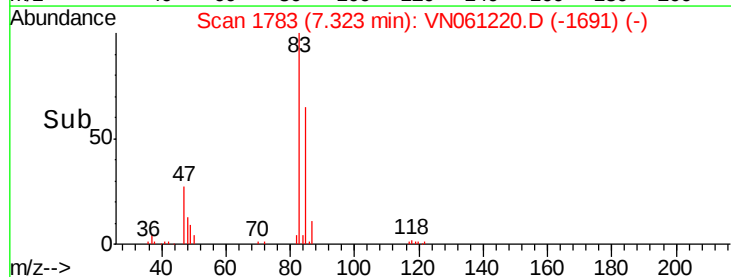
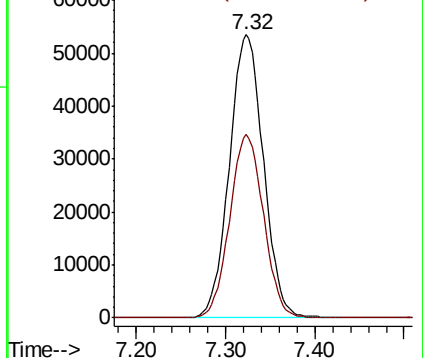


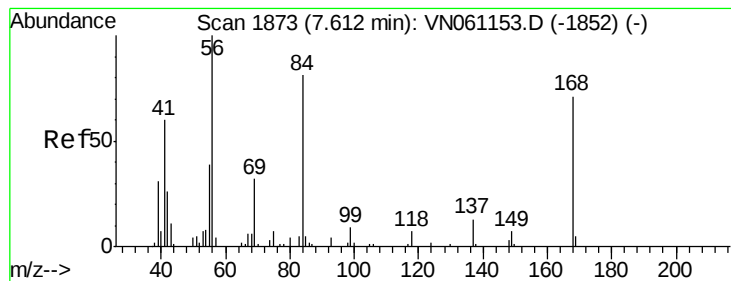
#30
Chloroform
Concen: 47.099 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 83 Resp: 141353
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7



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





#31

Cyclohexane

Concen: 46.732 ug/l

RT: 7.61 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

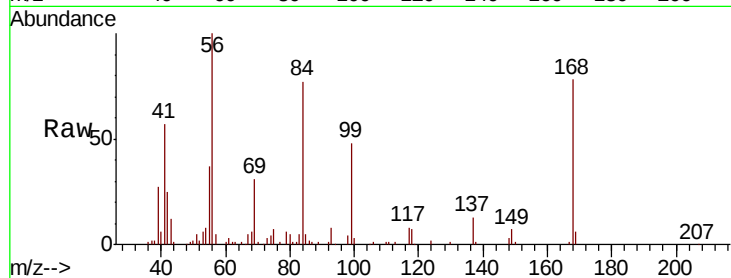
Tot Ion: 56 Resp: 134405

Ion Ratio Lower Upper

56 100

69 30.7 25.7 38.5

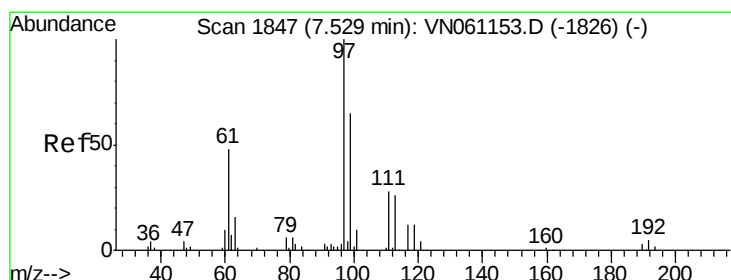
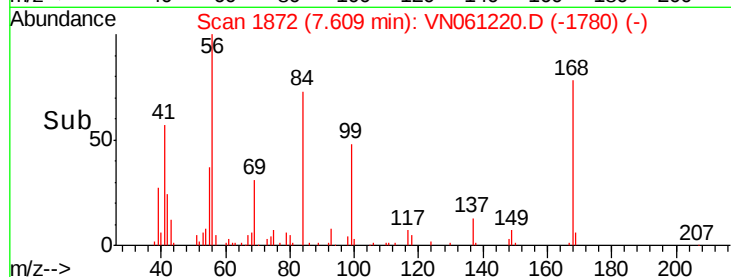
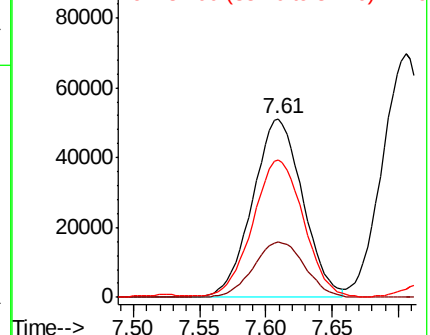
84 76.2 64.6 97.0



Abundance Ion 56.00 (55.70 to 56.70): VN061153.D (-1852) (-)

Ion 69.00 (68.70 to 69.70): VN061153.D (-1852) (-)

Ion 84.00 (83.70 to 84.70): VN061153.D (-1852) (-)



#32

1,1,1-Trichloroethane

Concen: 45.236 ug/l

RT: 7.53 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

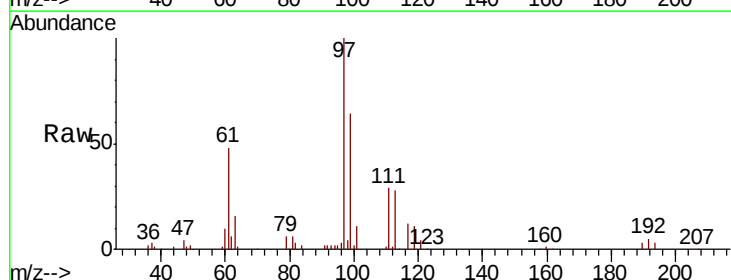
Tgt Ion: 97 Resp: 118218

Ion Ratio Lower Upper

97 100

99 62.7 51.3 76.9

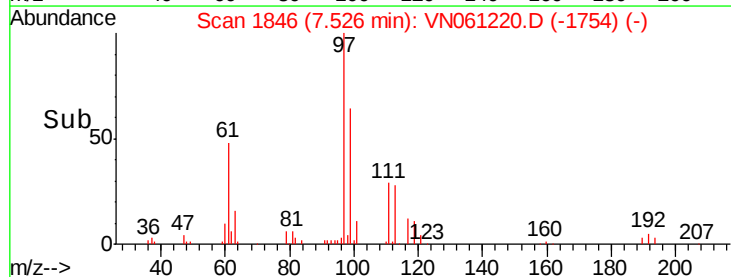
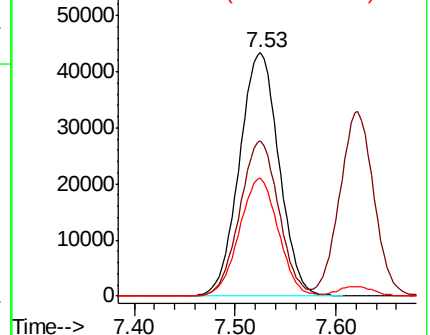
61 47.9 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VN061153.D (-1826) (-)

Ion 98.90 (98.60 to 99.60): VN061153.D (-1826) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1826) (-)





#33

1,2-Dichloroethane-d4

Concen: 44.247 ug/l

RT: 7.98 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

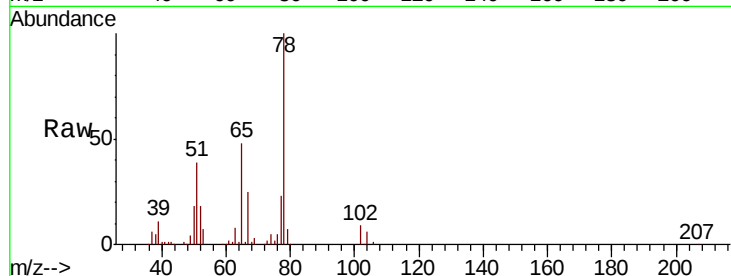
VSTDCCC050

Tot Ion: 65 Resp: 87477

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)

7.98

40000

30000

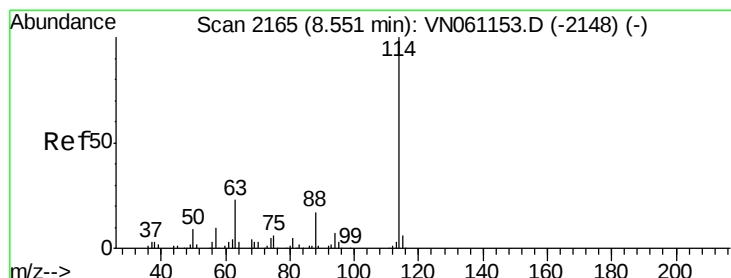
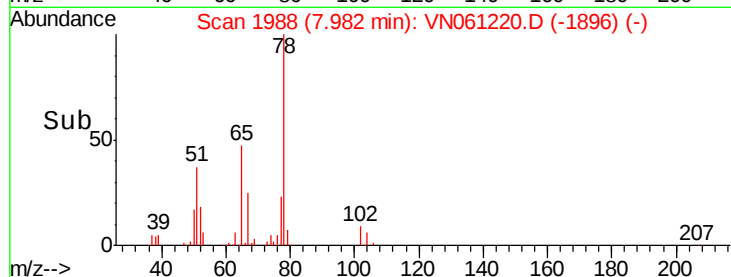
20000

10000

0

Time-->

7.90 7.95 8.00 8.05



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

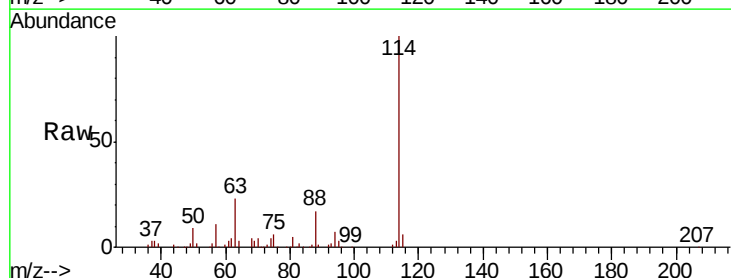
Tgt Ion: 114 Resp: 209458

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.6

88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061153.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN061153.D (-2148) (-)

Ion 87.90 (87.60 to 88.60): VN061153.D (-2148) (-)

8.55

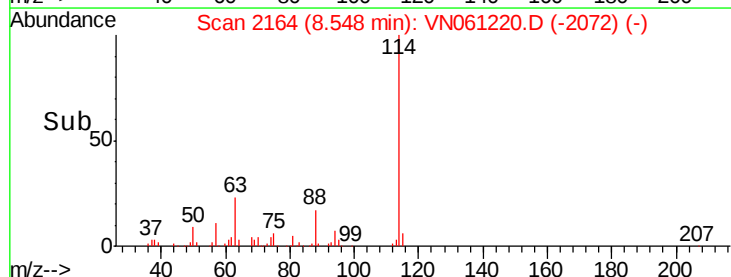
100000

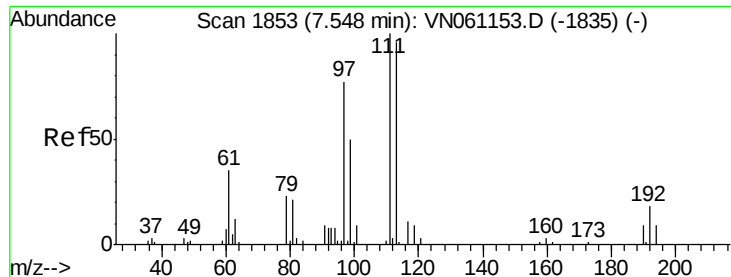
50000

0

Time-->

8.50 8.55 8.60

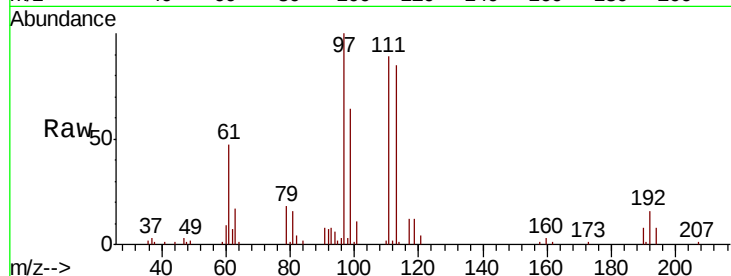




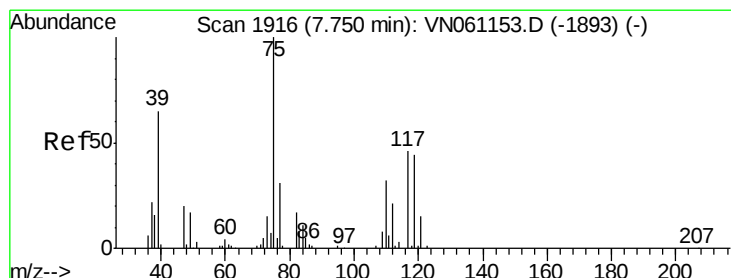
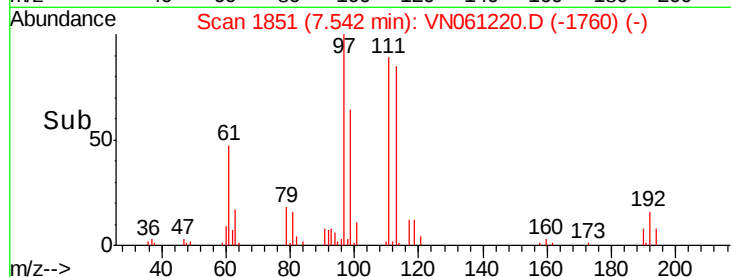
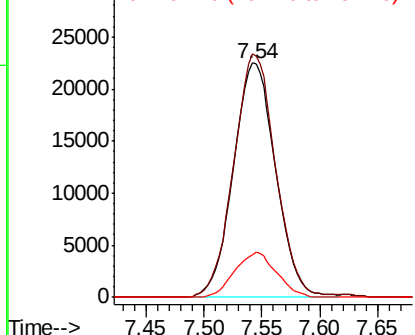
#35
 Dibromofluoromethane
 Concen: 46.171 ug/l
 RT: 7.54 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 57186
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 18.9 14.7 22.1

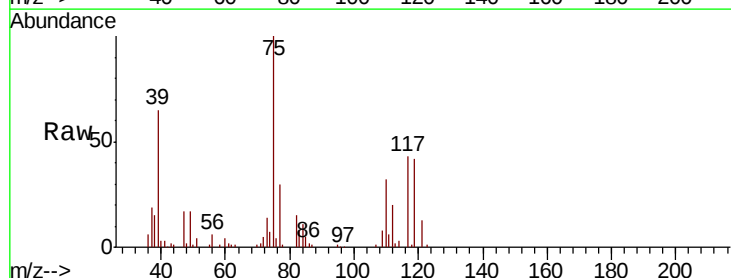


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

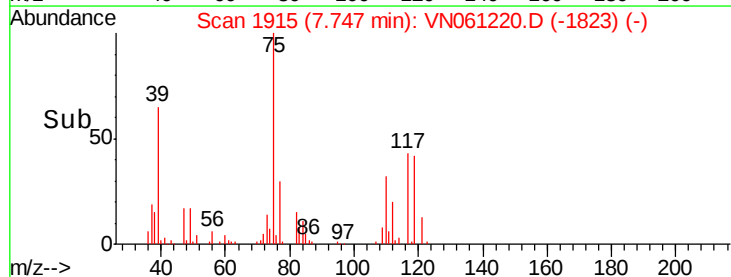
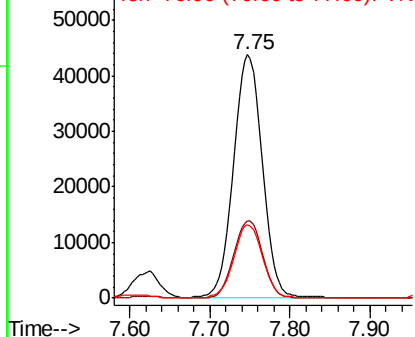


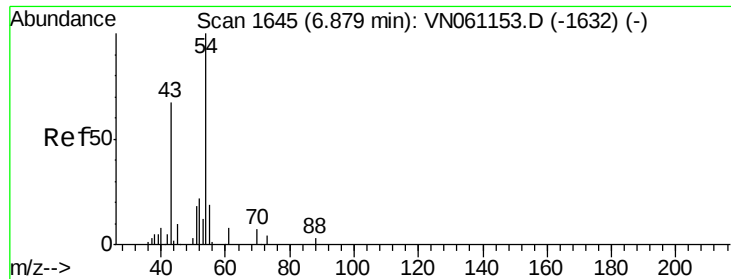
#36
 1,1-Dichloropropene
 Concen: 50.931 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 75 Resp: 106790
 Ion Ratio Lower Upper
 75 100
 110 31.7 16.0 48.0
 77 30.1 24.6 37.0



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

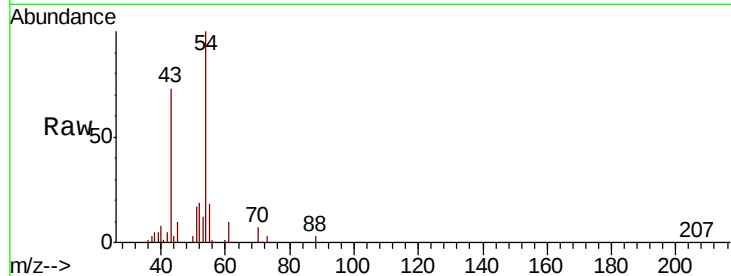




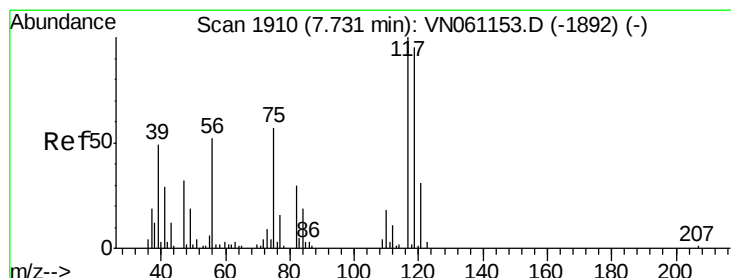
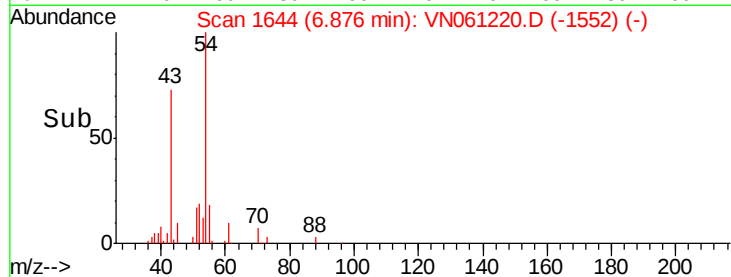
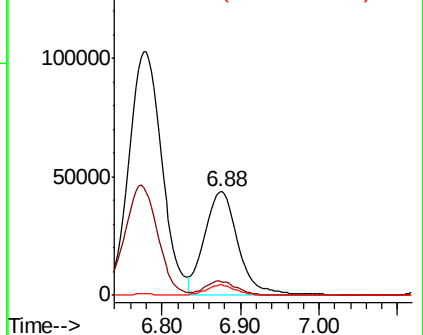
#37
Ethyl Acetate
Concen: 52.208 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 128333
Ion Ratio Lower Upper
43 100
61 12.4 10.2 15.2
70 9.0 7.2 10.8

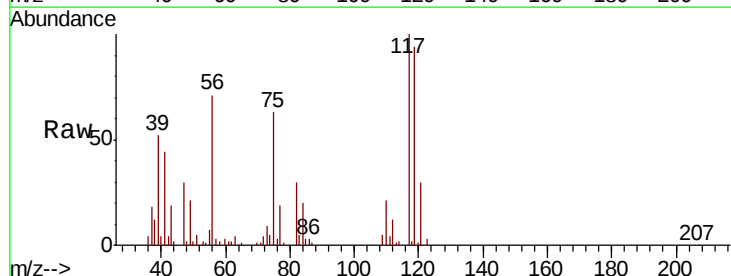


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)
Ion 60.90 (60.60 to 61.60): VN061153.D (-1632) (-)
Ion 70.00 (69.70 to 70.70): VN061153.D (-1632) (-)

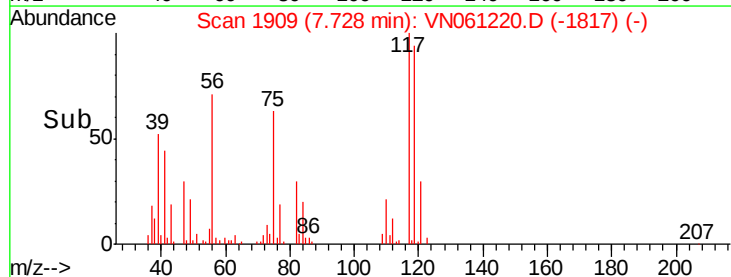
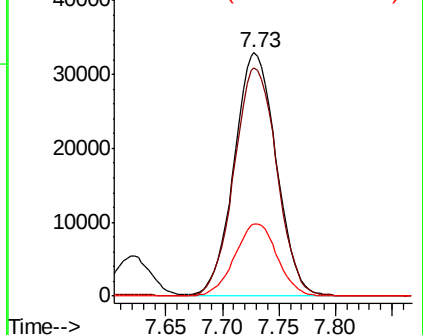


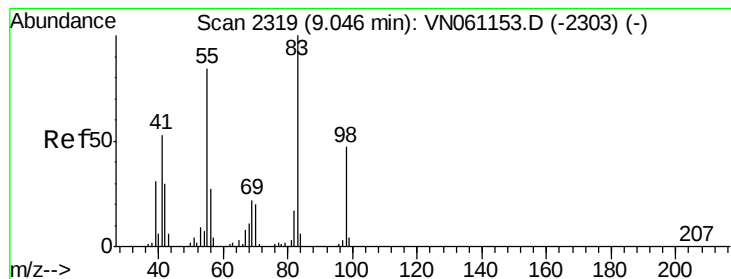
#38
Carbon Tetrachloride
Concen: 44.904 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 117 Resp: 85436
Ion Ratio Lower Upper
117 100
119 94.0 75.8 113.6
121 29.7 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)
Ion 118.80 (118.50 to 119.50): VN061153.D (-1892) (-)
Ion 120.80 (120.50 to 121.50): VN061153.D (-1892) (-)





#39

Methvlcvclohexane

Concen: 51.018 ug/l

RT: 9.04 min Scan# 2318

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

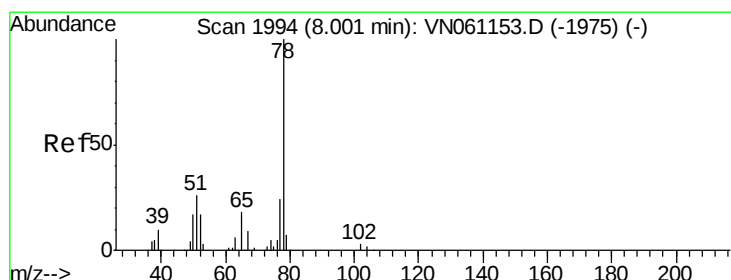
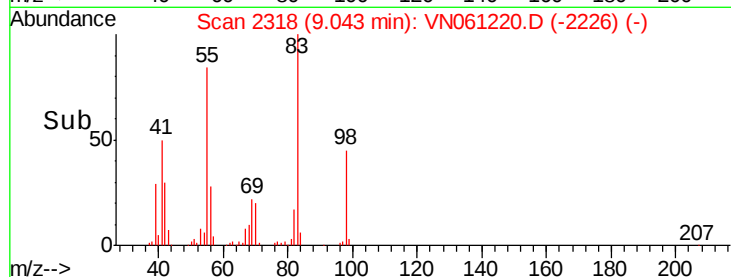
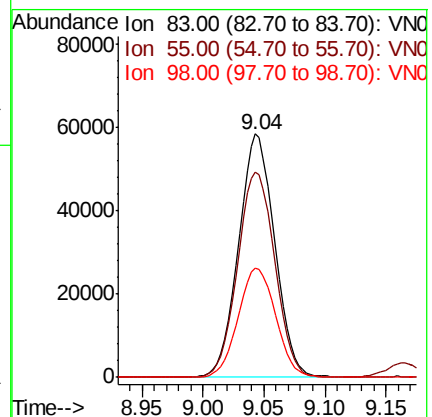
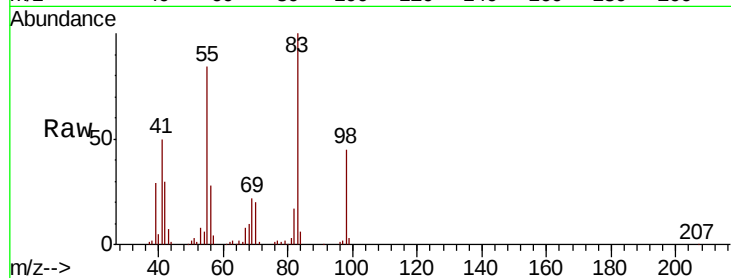
Tot Ion: 83 Resp: 119966

Ion Ratio Lower Upper

83 100

55 84.3 67.3 100.9

98 44.9 37.7 56.5



#40

Benzene

Concen: 51.144 ug/l

RT: 8.00 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VN061220.D

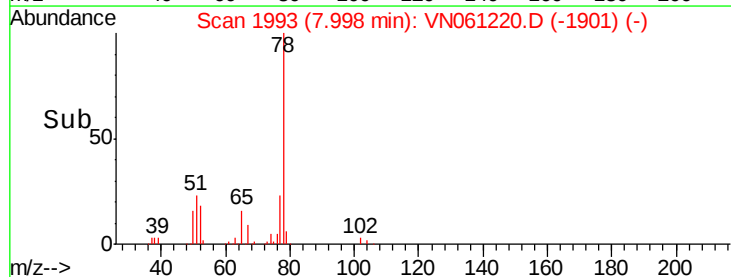
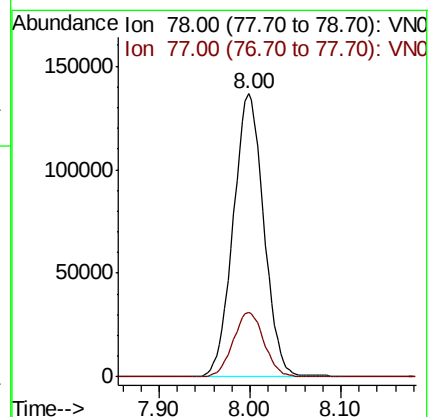
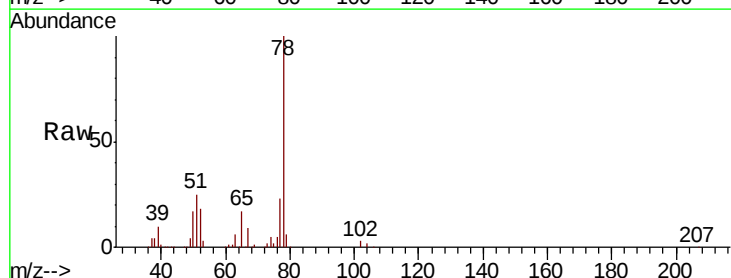
Acq: 1 May 2020 10:43

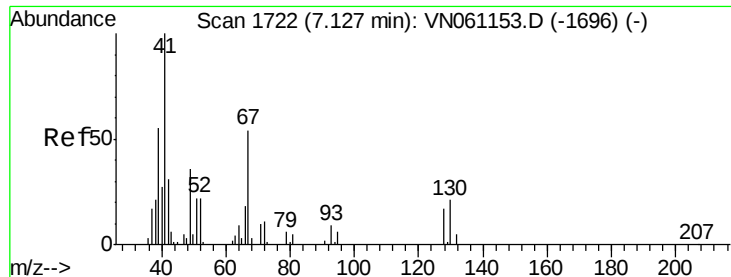
Tgt Ion: 78 Resp: 319488

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.6

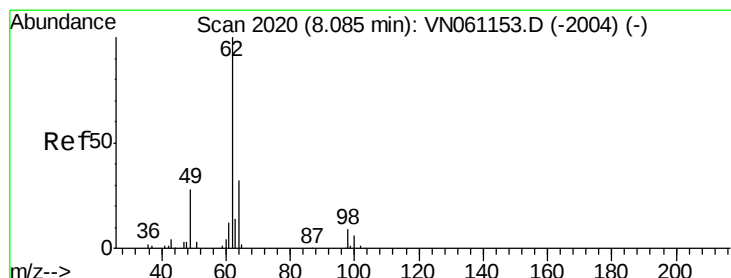
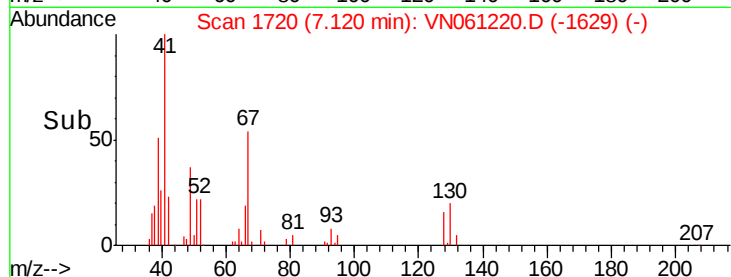
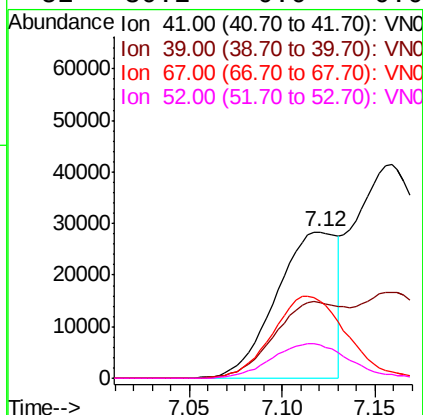
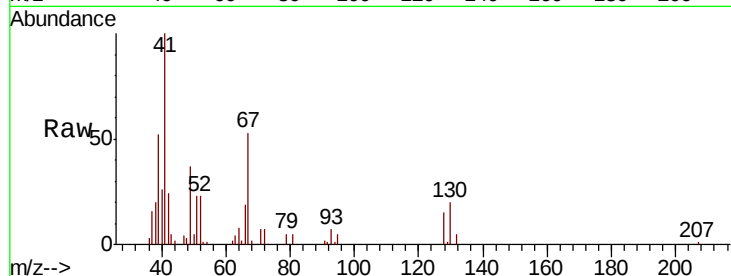




#41
Methacrylonitrile
Concen: 63.260 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

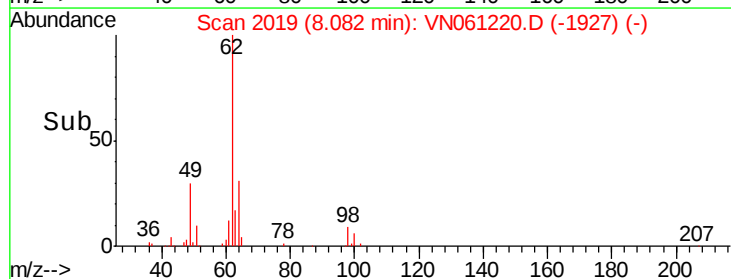
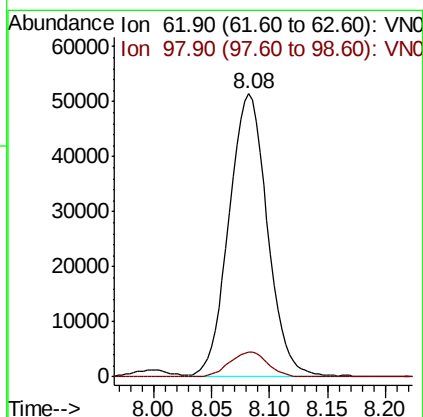
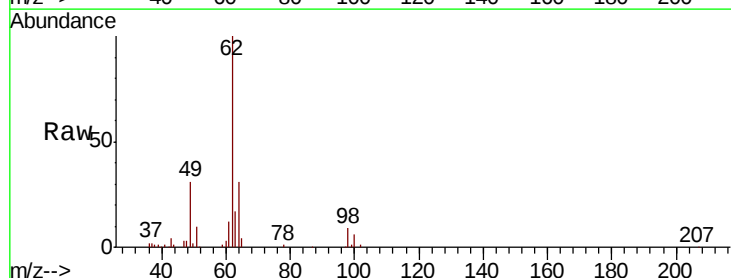
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

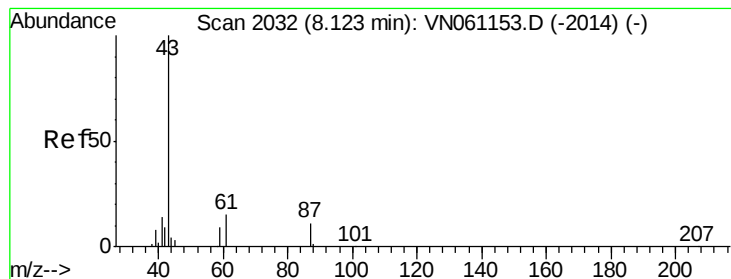
Tot Ion:	41	Resp:	64563
Ion	Ratio	Lower	Upper
41	100		
39	61.3	0.0	0.0#
67	68.7	0.0	0.0#
52	30.2	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 49.649 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion:	62	Resp:	117496
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





#43

Isopropyl Acetate

Concen: 52.185 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

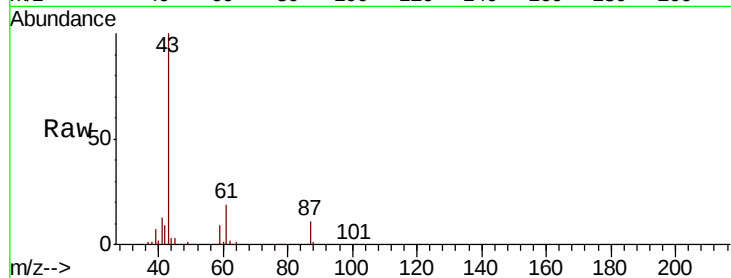
Tot Ion: 43 Resp: 212891

Ion Ratio Lower Upper

43 100

61 24.8 19.5 29.3

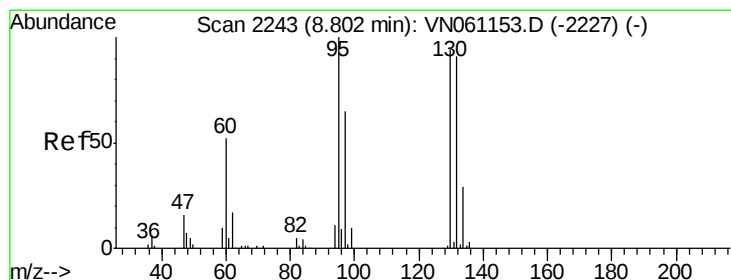
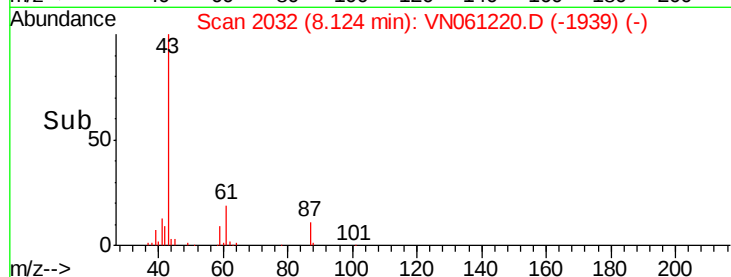
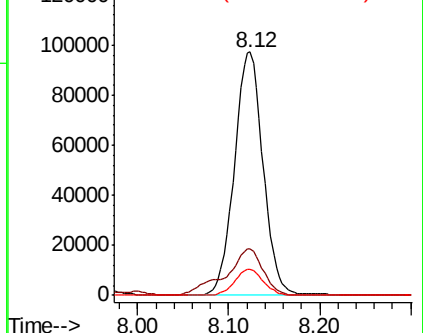
87 10.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 47.121 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061220.D

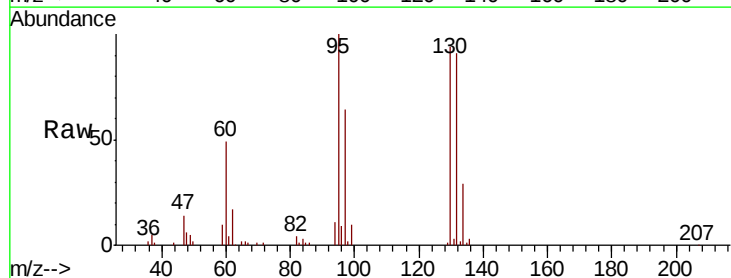
Acq: 1 May 2020 10:43

Tgt Ion:130 Resp: 79572

Ion Ratio Lower Upper

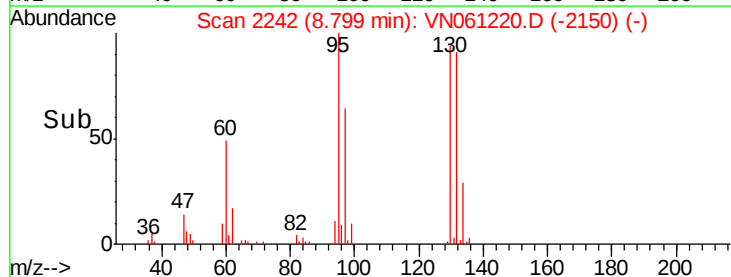
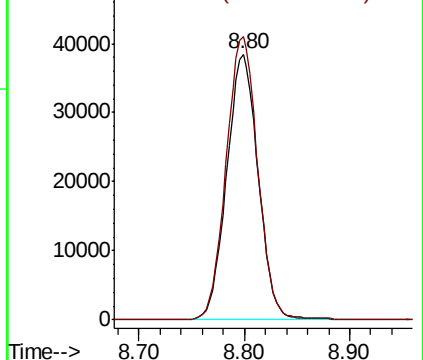
130 100

95 106.6 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)





#45

1,2-Dichloropropane

Concen: 52.832 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

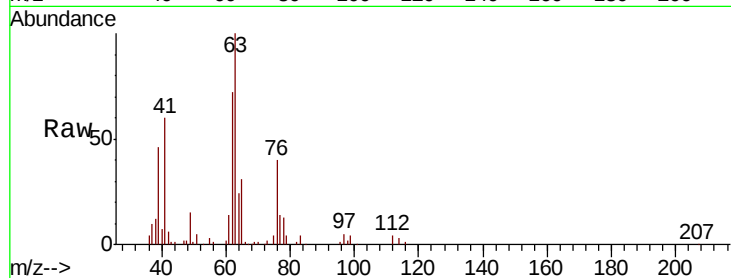
VSTDCCC050

Tot Ion: 63 Resp: 88170

Ion Ratio Lower Upper

63 100

65 30.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-2310) (-)

Ion 64.90 (64.60 to 65.60): VN061153.D (-2310) (-)

9.08

40000

30000

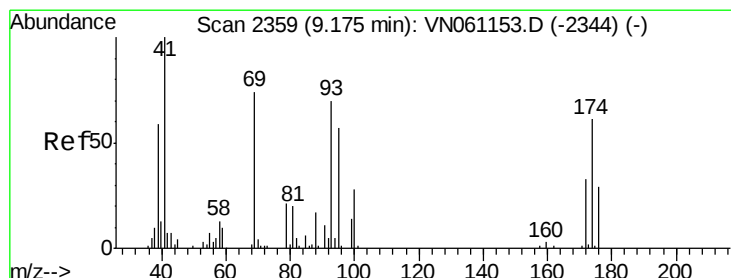
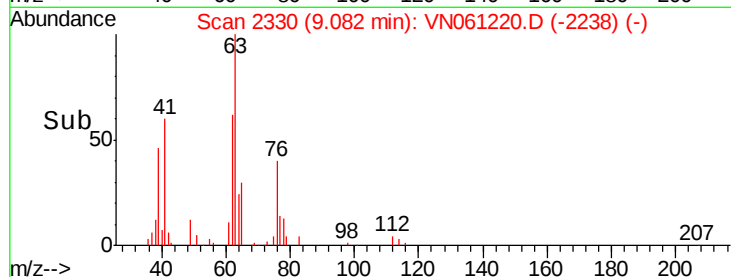
20000

10000

0

Time-->

9.00 9.10



#46

Dibromomethane

Concen: 51.694 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

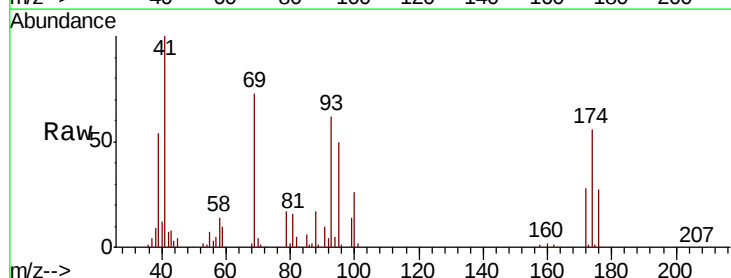
Tgt Ion: 93 Resp: 53417

Ion Ratio Lower Upper

93 100

95 81.2 66.6 99.8

174 89.4 70.2 105.2



Abundance Ion 92.80 (92.50 to 93.50): VN061153.D (-2344) (-)

Ion 94.80 (94.50 to 95.50): VN061153.D (-2344) (-)

Ion 173.70 (173.40 to 174.40): VN061153.D (-2344) (-)

9.17

30000

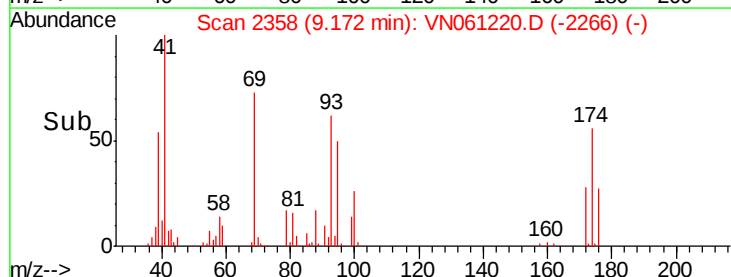
20000

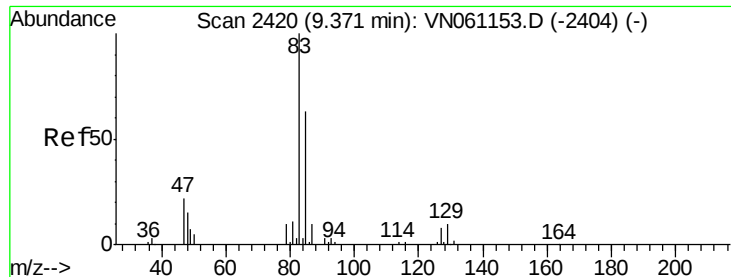
10000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 50.999 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

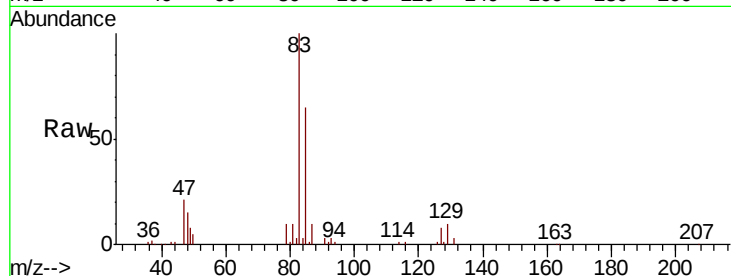
Tot Ion: 83 Resp: 113112

Ion Ratio Lower Upper

83 100

85 65.4 50.4 75.6

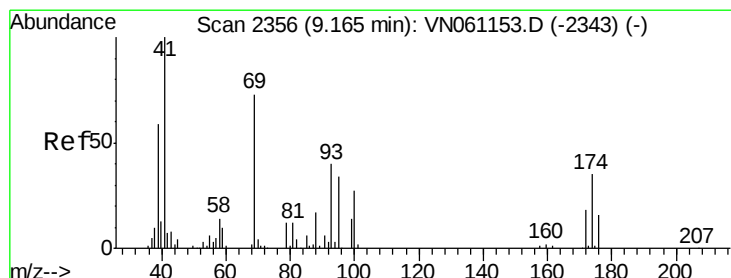
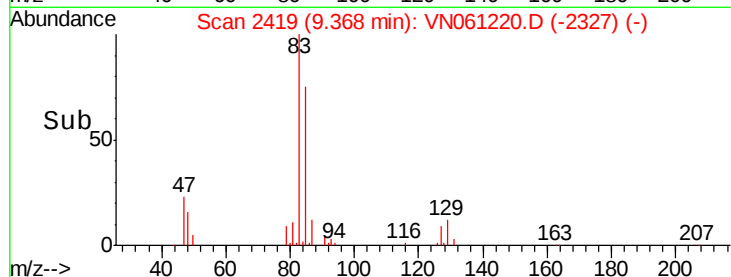
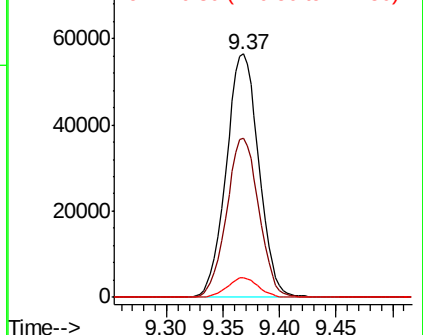
127 7.9 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061153.D (-2404) (-)



#48

Methyl methacrylate

Concen: 52.998 ug/l

RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

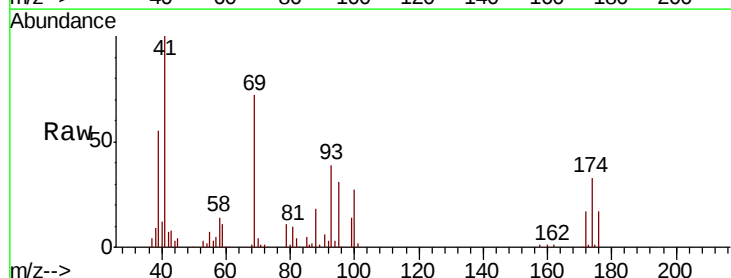
Tgt Ion: 41 Resp: 97563

Ion Ratio Lower Upper

41 100

69 74.8 60.3 90.5

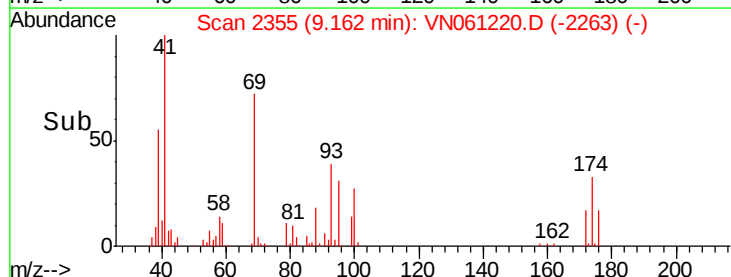
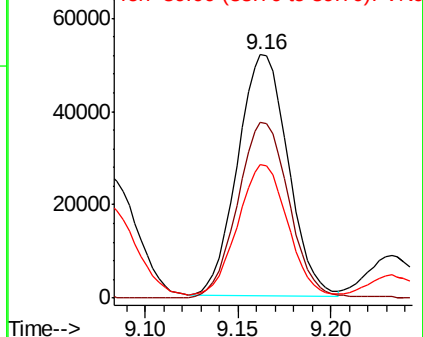
39 56.0 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-2343) (-)

Ion 69.00 (68.70 to 69.70): VN061153.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-2343) (-)

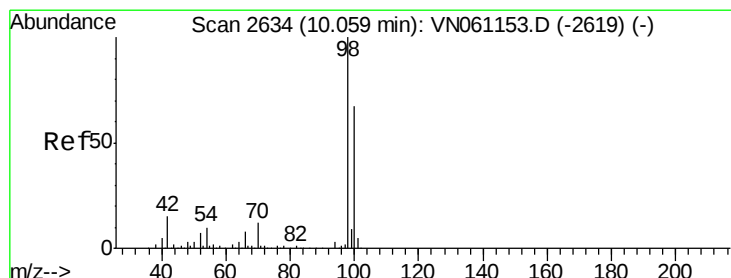
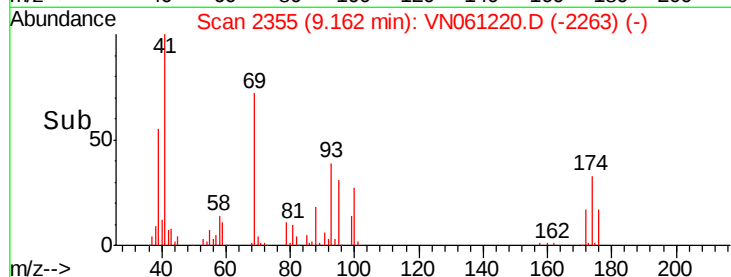
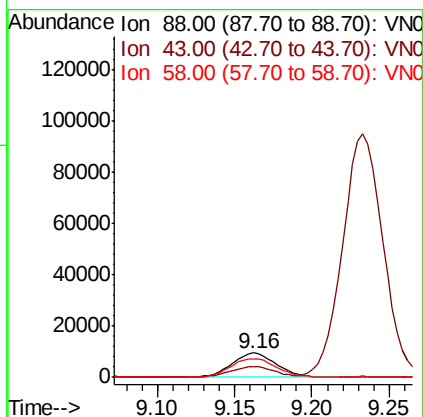
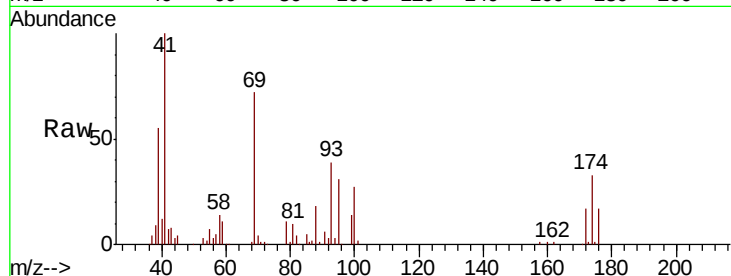




#49
1,4-Dioxane
Concen: 910.828 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

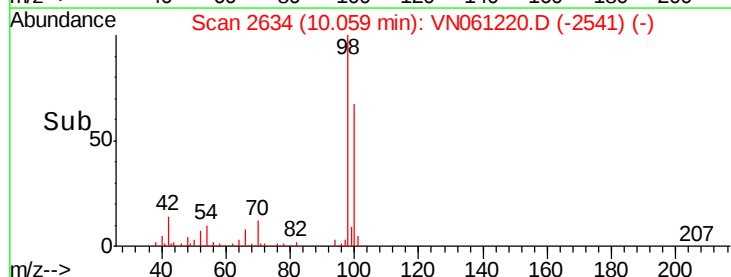
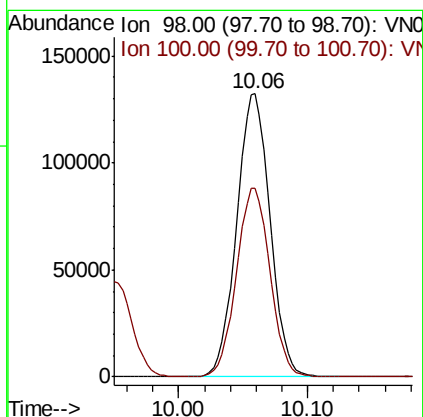
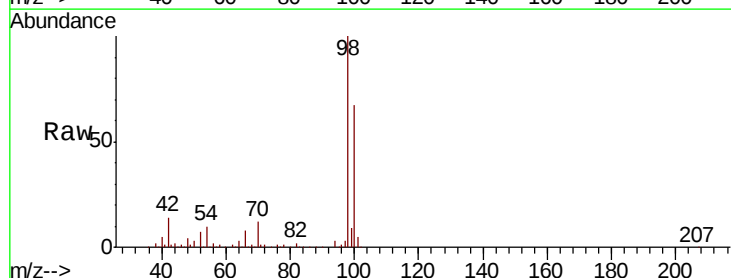
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

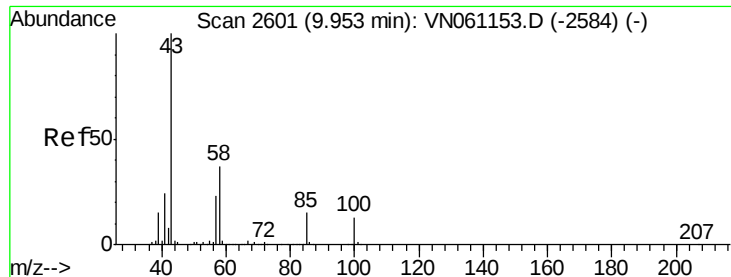
Tot Ion: 88 Resp: 19033
Ion Ratio Lower Upper
88 100
43 44.6 35.3 52.9
58 81.0 61.5 92.3



#50
Toluene-d8
Concen: 47.299 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 98 Resp: 238815
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 262.798 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

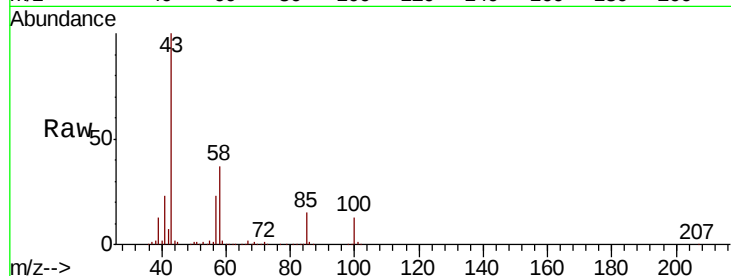
VSTDCCC050

Tot Ion: 43 Resp: 631050

Ion Ratio Lower Upper

43 100

58 36.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

9.95

400000

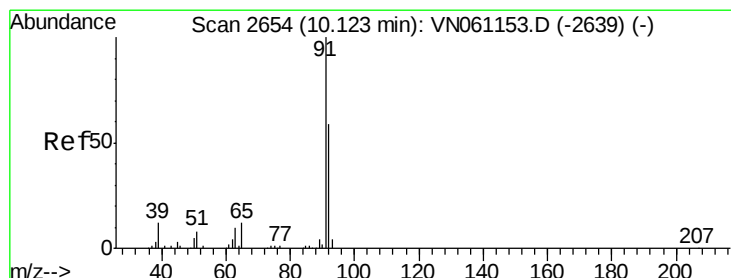
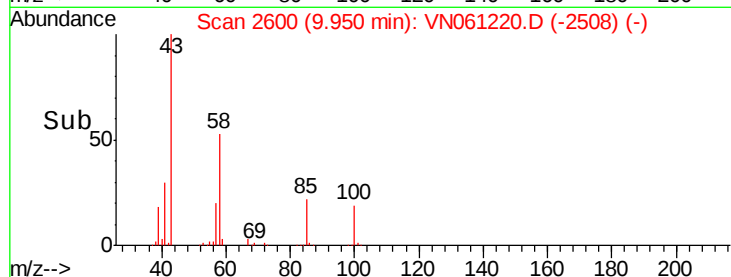
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.797 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061220.D

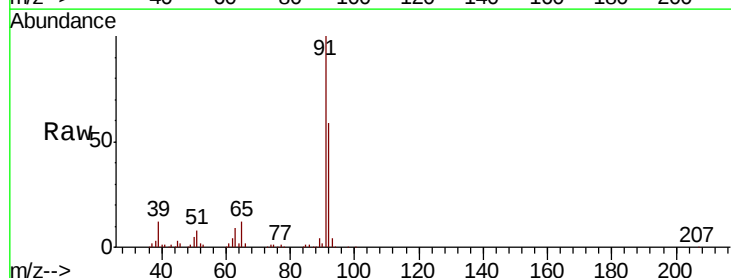
Acq: 1 May 2020 10:43

Tgt Ion: 92 Resp: 191130

Ion Ratio Lower Upper

92 100

91 170.2 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VN061153.D (-2639) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-2639) (-)

10.12

200000

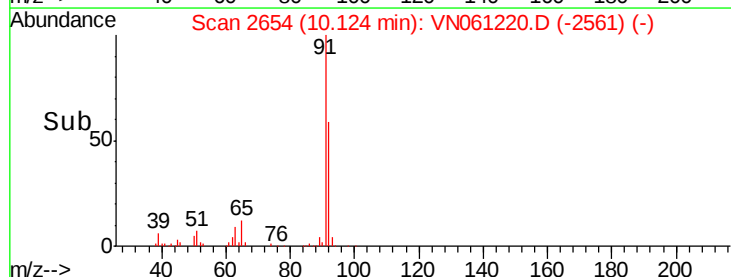
150000

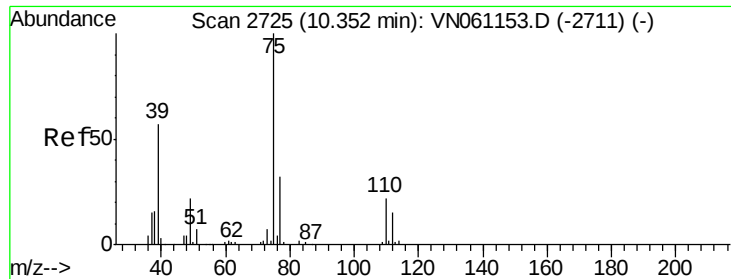
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.414 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

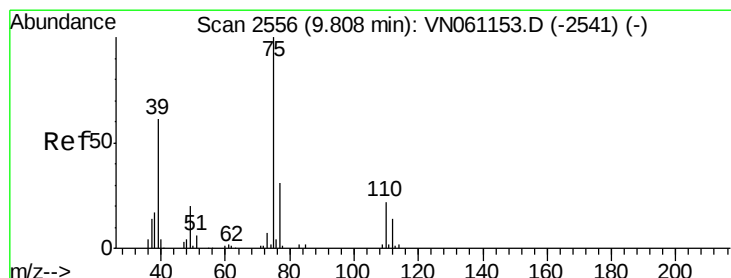
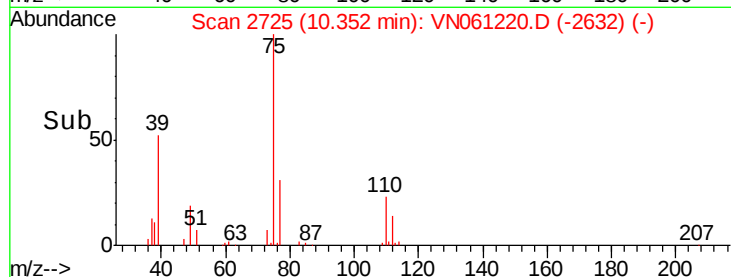
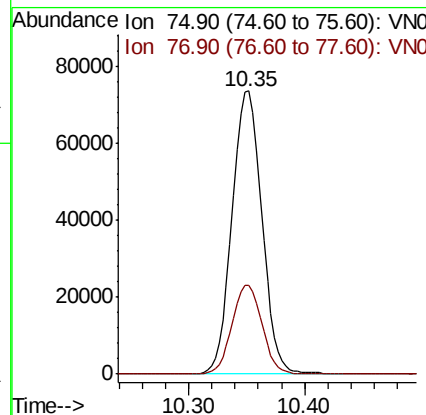
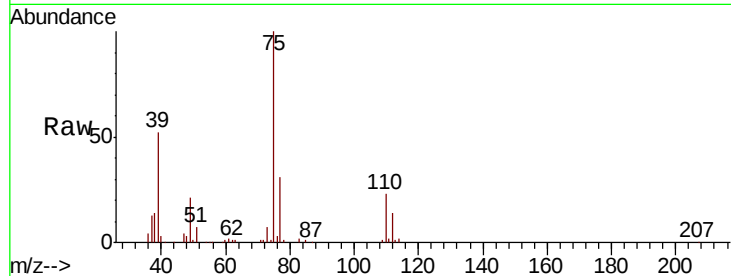
VSTDCCC050

Tot Ion: 75 Resp: 130989

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.800 ug/l

RT: 9.81 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

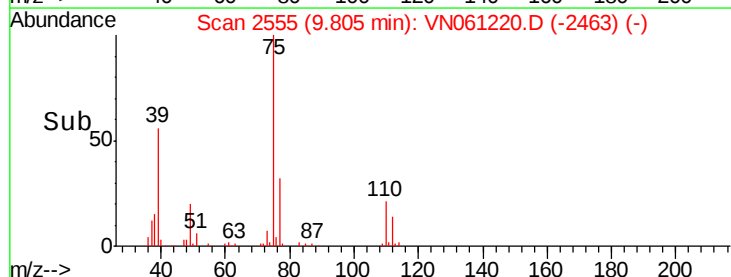
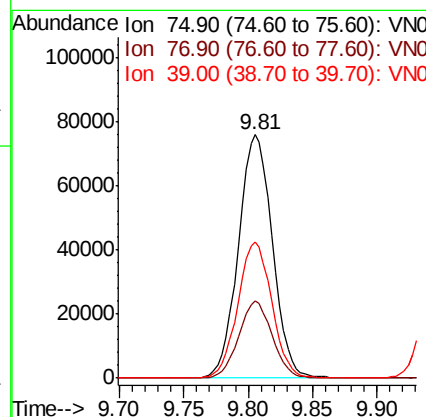
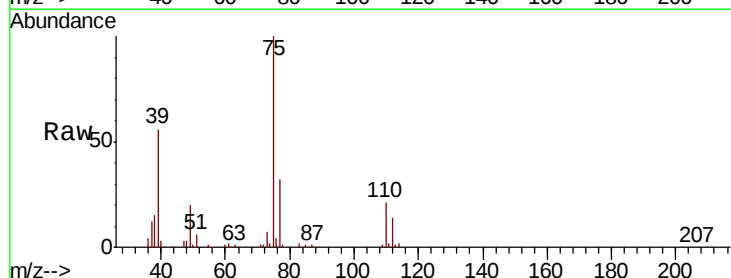
Tgt Ion: 75 Resp: 139502

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

39 56.1 48.7 73.1

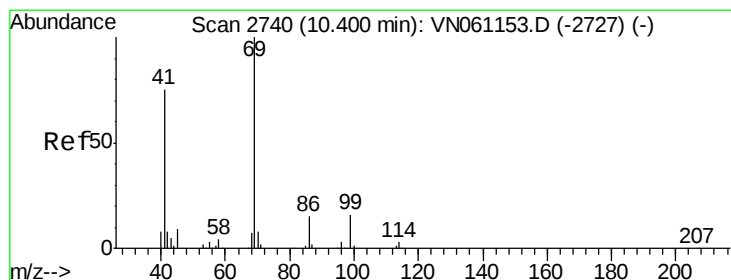
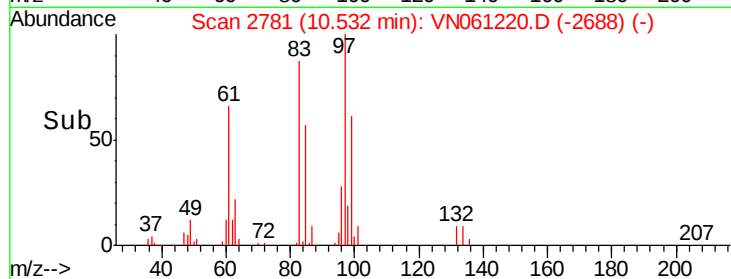
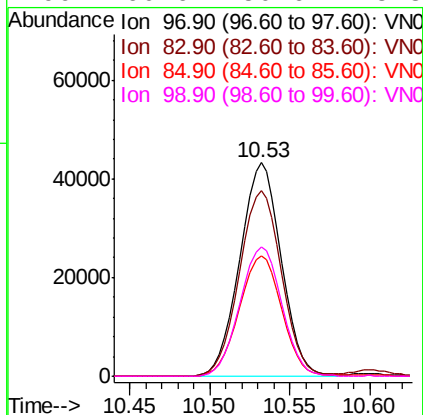
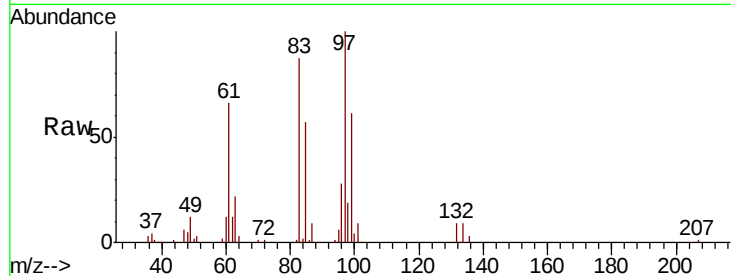




#55
 1,1,2-Trichloroethane
 Concen: 50.827 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

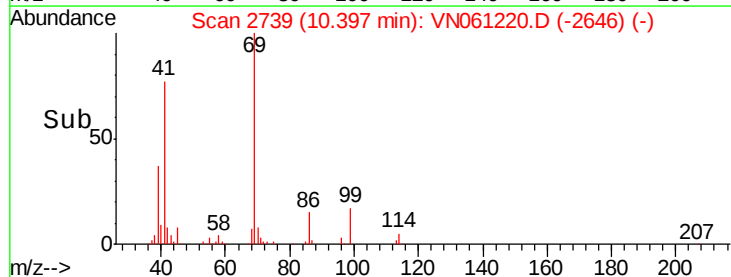
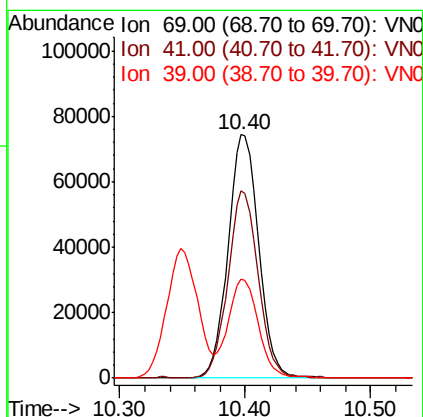
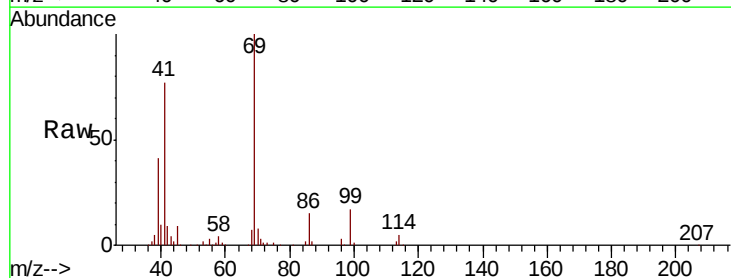
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

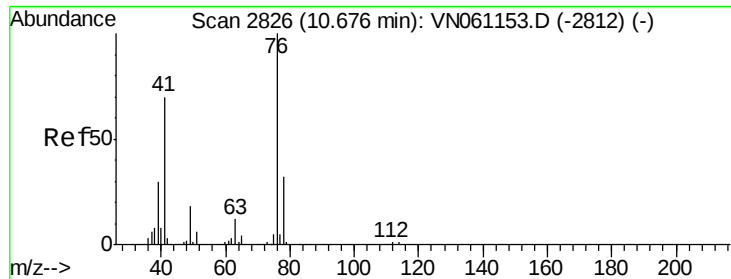
Tot Ion:	97	Resp:	76281
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.6	106.0
85	56.6	46.4	69.6
99	60.6	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 48.264 ug/l
 RT: 10.40 min Scan# 2739
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion:	69	Resp:	125963
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.3	90.5
39	40.3	35.9	53.9

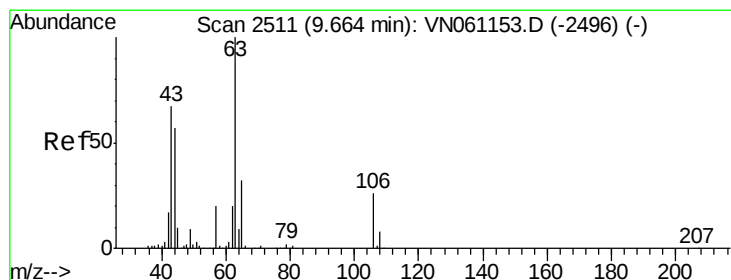
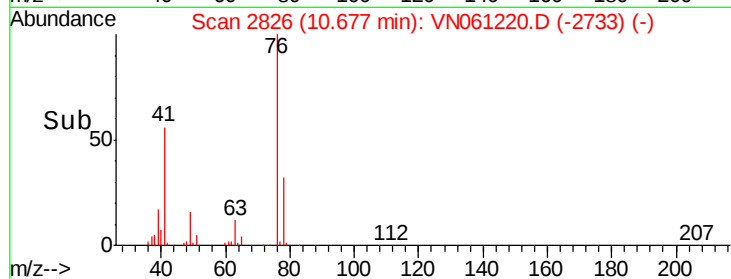
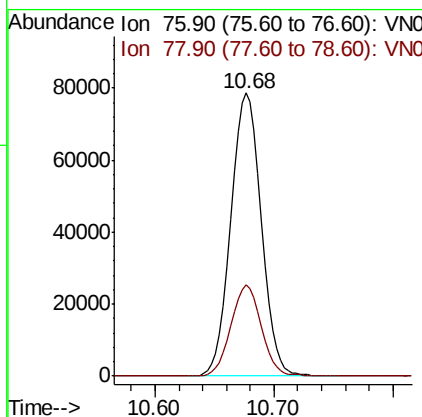
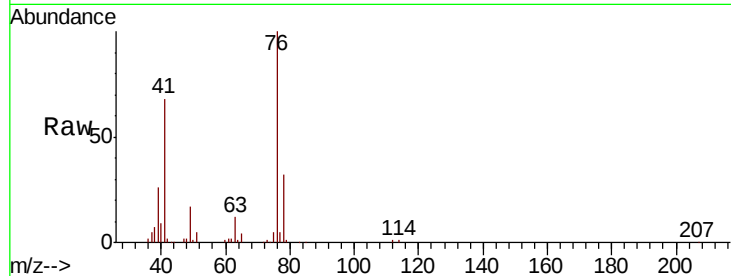




#57
 1,3-Dichloropropane
 Concen: 52.904 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

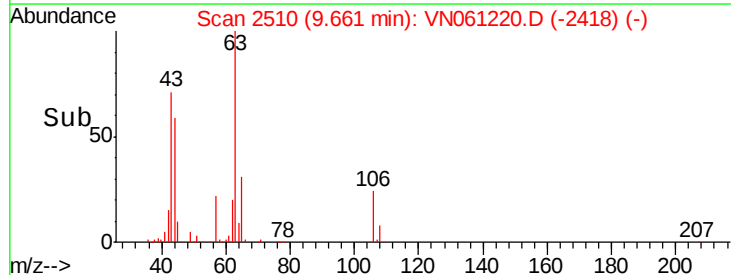
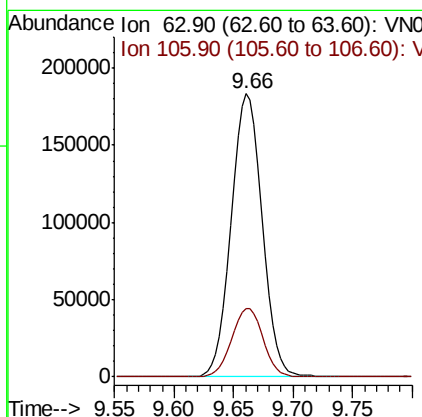
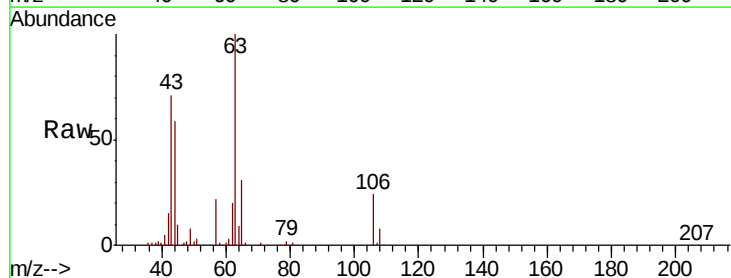
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

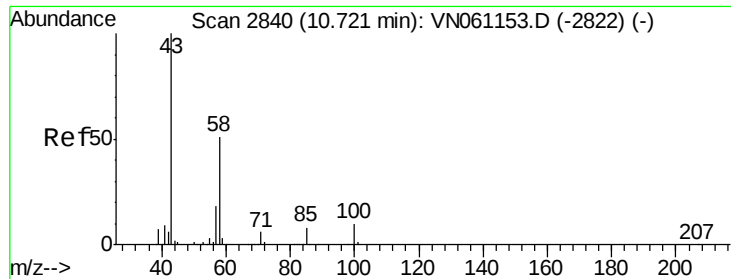
Tot Ion: 76 Resp: 139564
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.669 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 63 Resp: 331245
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.6 30.8

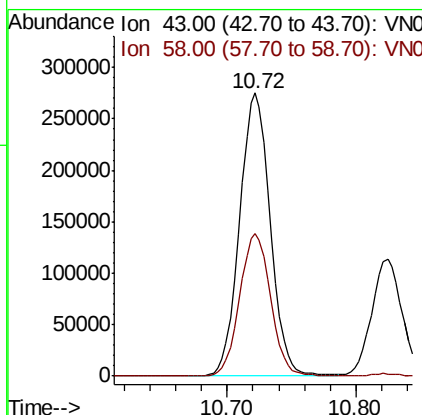
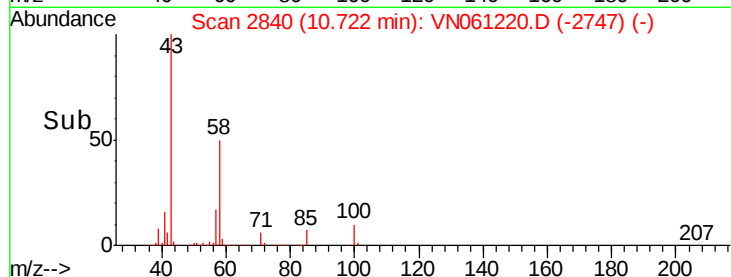
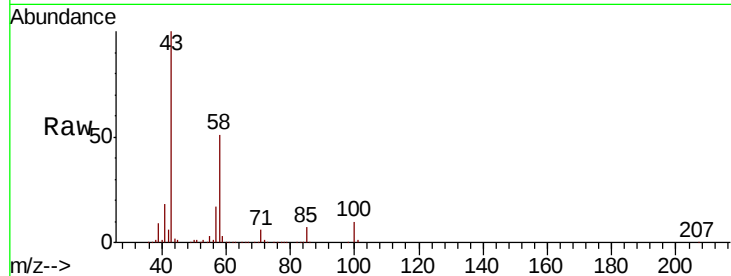




#59
2-Hexanone
Concen: 260.278 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

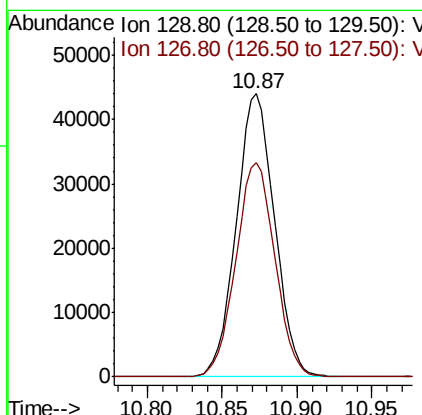
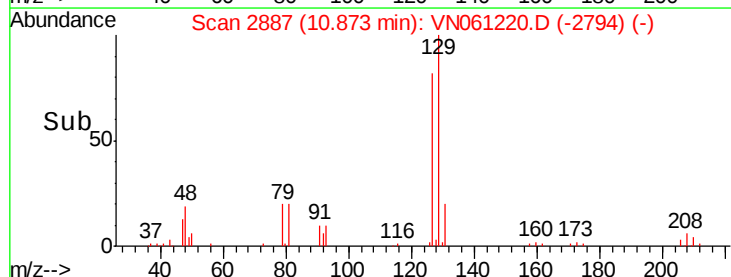
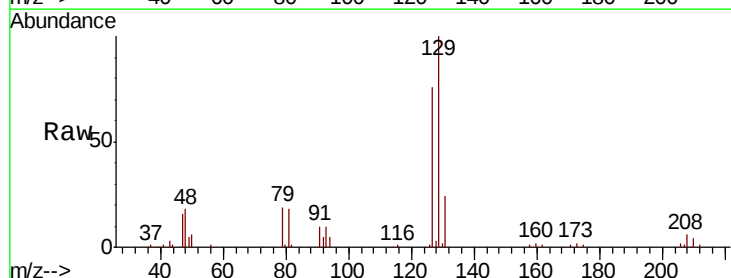
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

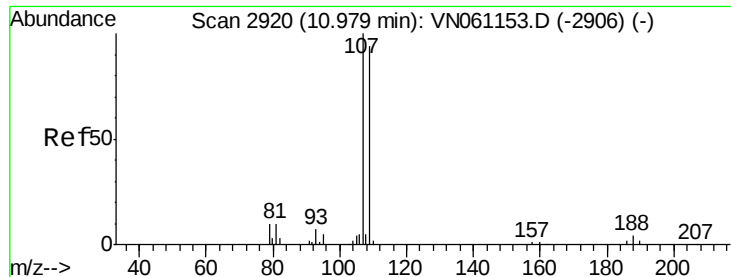
Tot Ion: 43 Resp: 454699
Ion Ratio Lower Upper
43 100
58 51.0 25.4 76.4



#60
Dibromochloromethane
Concen: 49.845 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 129 Resp: 78350
Ion Ratio Lower Upper
129 100
127 77.3 39.3 117.8

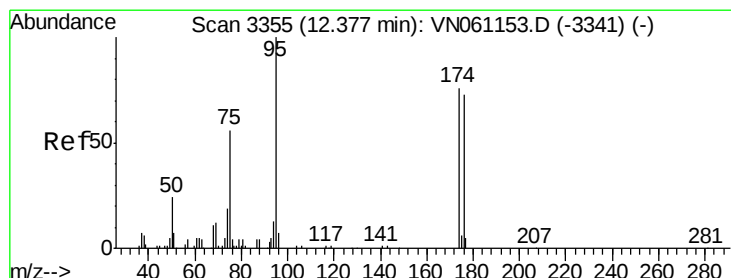
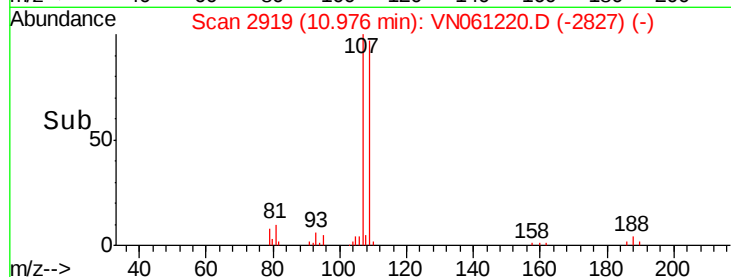
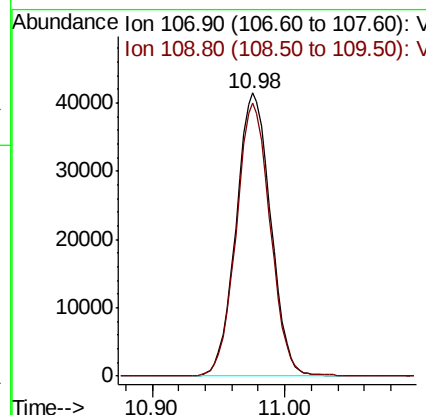
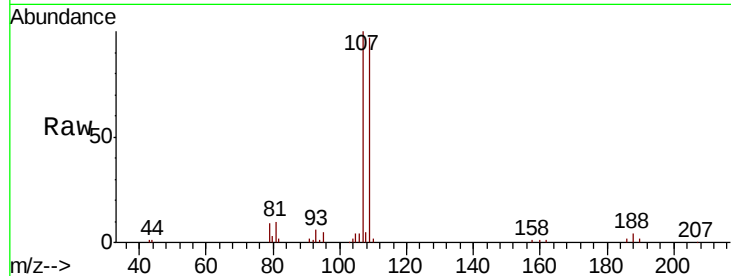




#61
 1,2-Dibromoethane
 Concen: 49.754 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

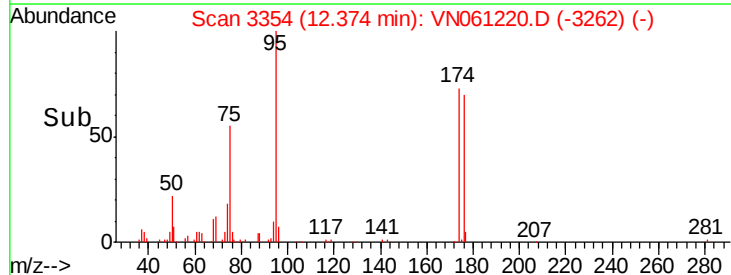
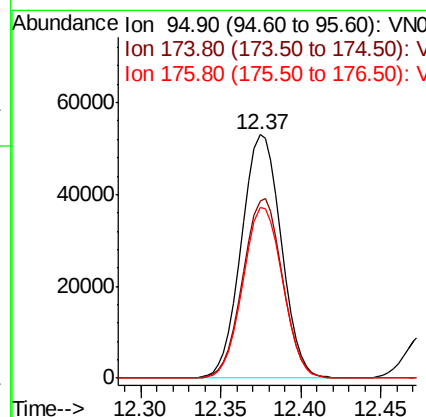
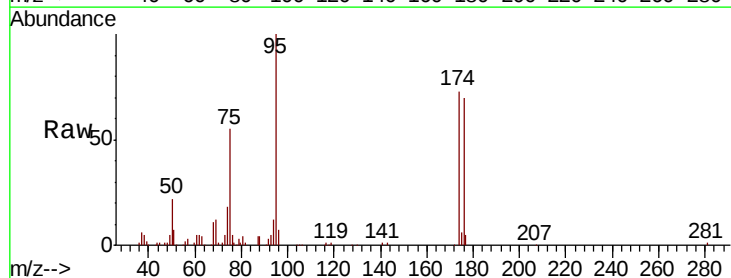
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

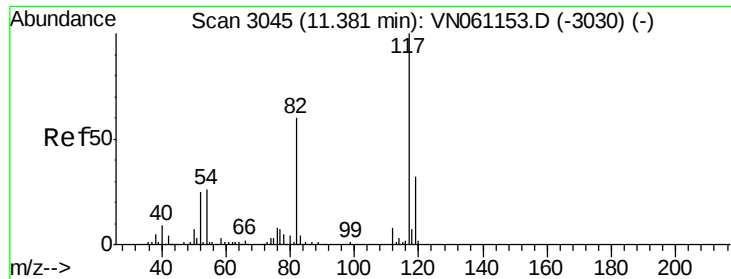
Tot Ion:107 Resp: 74843
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 47.254 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 95 Resp: 89784
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 149.4
 176 70.2 0.0 144.8

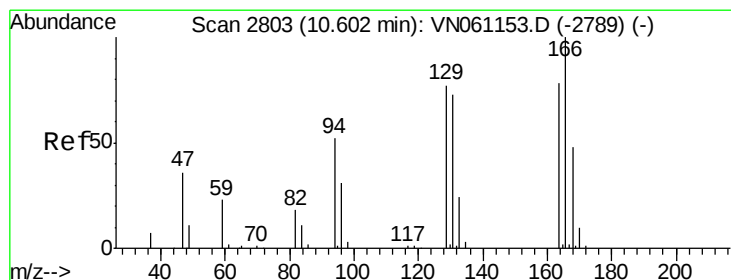
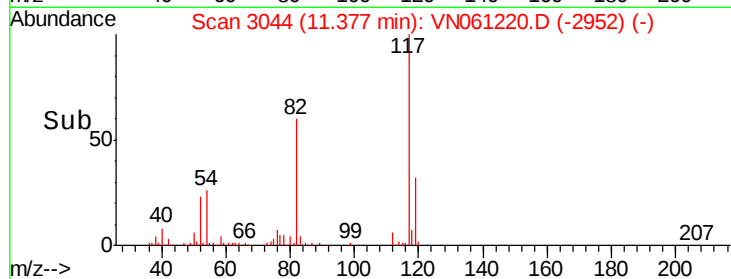
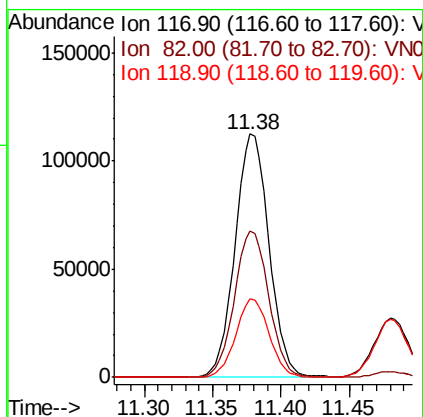
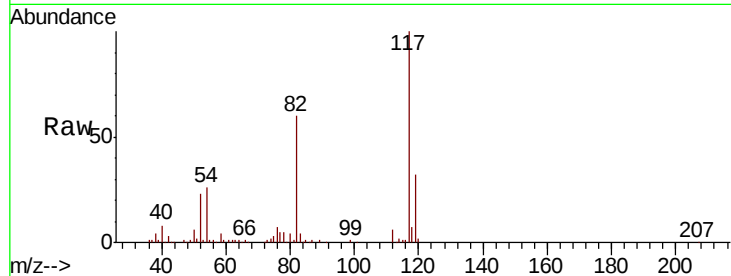




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3044
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

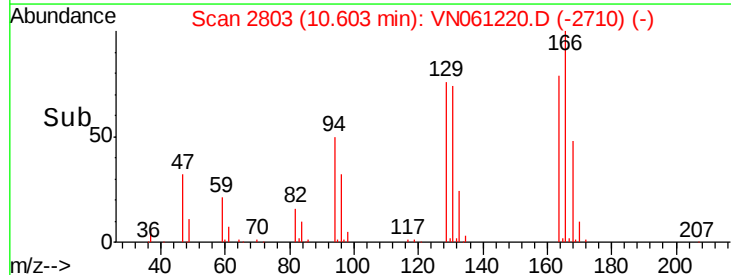
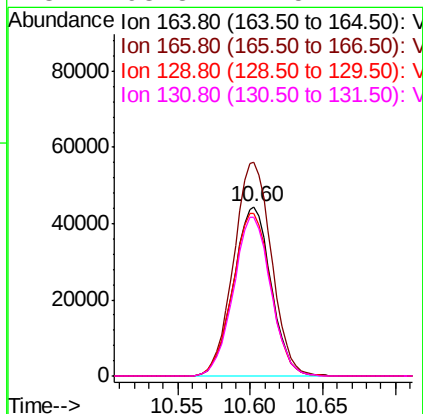
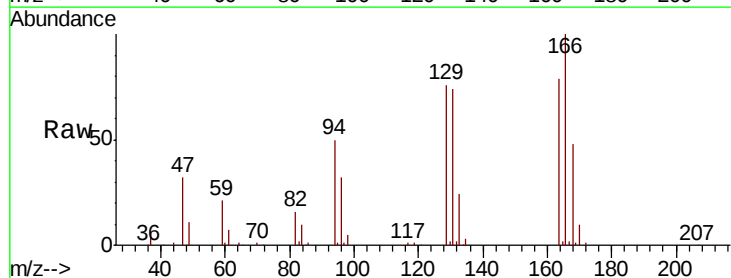
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

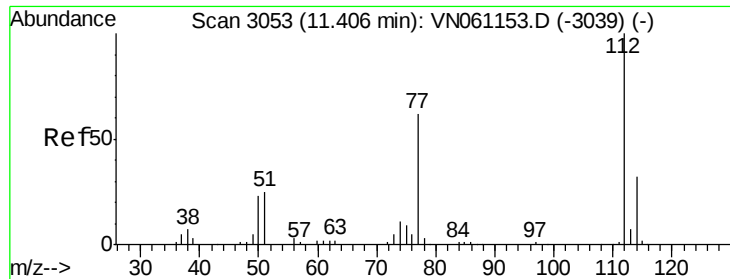
Tot Ion:117 Resp: 194735
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 47.363 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion:164 Resp: 79884
Ion Ratio Lower Upper
164 100
166 126.4 102.0 153.0
129 96.1 78.2 117.2
131 93.8 74.5 111.7





#65

Chlorobenzene

Concen: 50.142 ug/l

RT: 11.40 min Scan# 3052

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

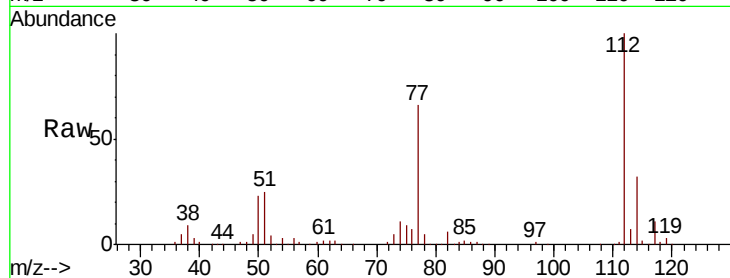
VSTDCCC050

Tot Ion:112 Resp: 193695

Ion Ratio Lower Upper

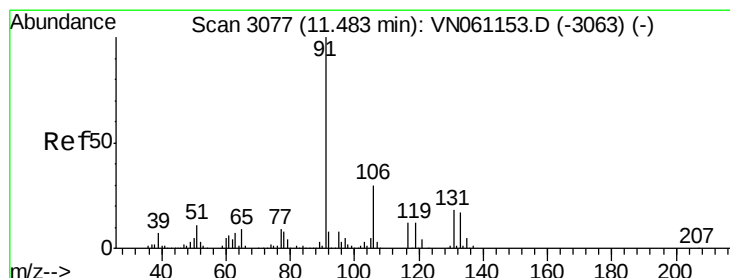
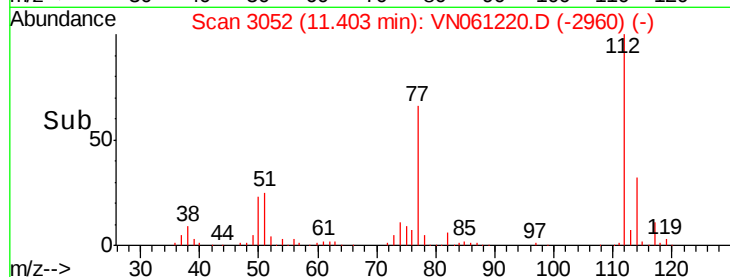
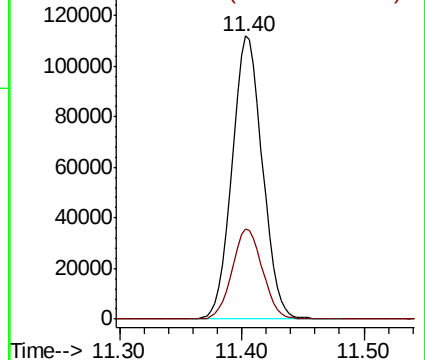
112 100

114 32.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.578 ug/l

RT: 11.48 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

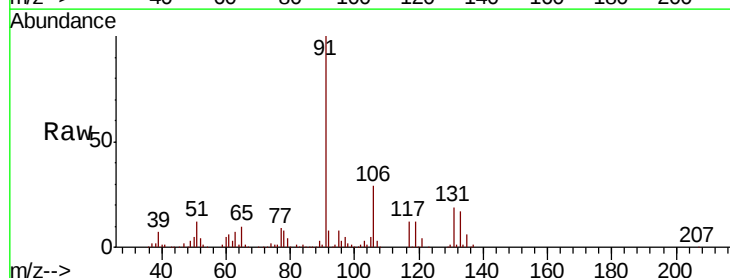
Tgt Ion:131 Resp: 69928

Ion Ratio Lower Upper

131 100

133 94.3 48.0 144.2

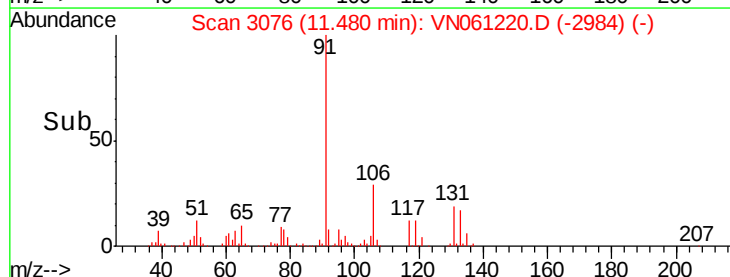
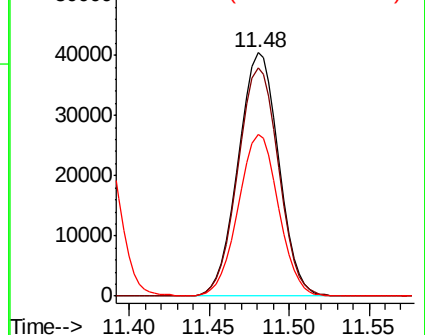
119 66.0 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.326 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

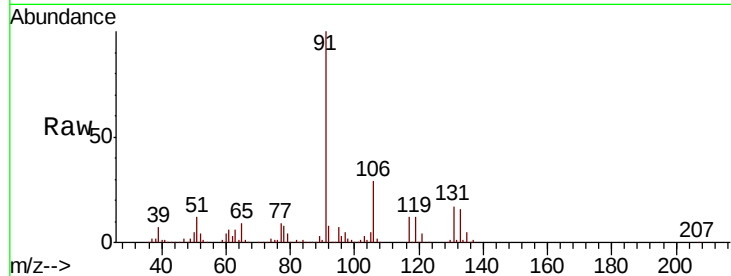
VSTDCCC050

Tot Ion: 91 Resp: 371153

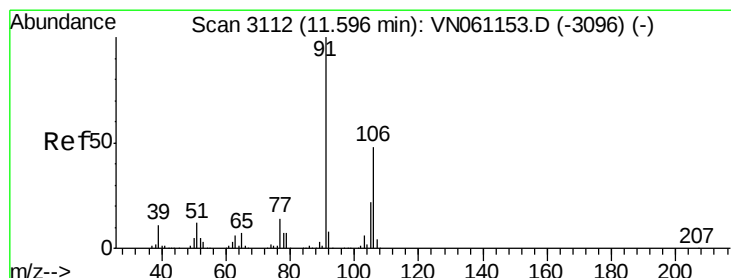
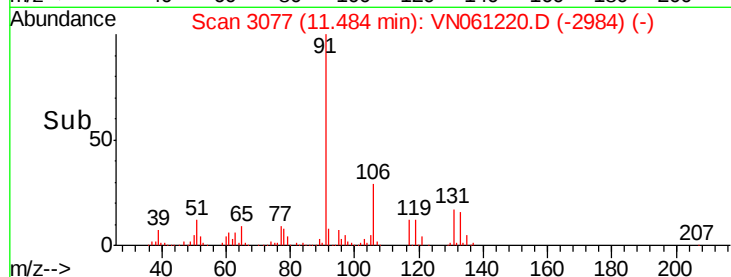
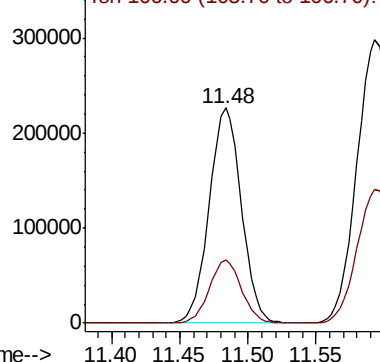
Ion Ratio Lower Upper

91 100

106 29.3 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)



#68

m/p-Xylenes

Concen: 102.255 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061220.D

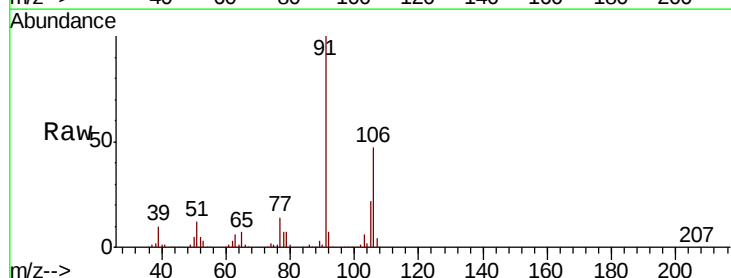
Acq: 1 May 2020 10:43

Tgt Ion: 106 Resp: 270656

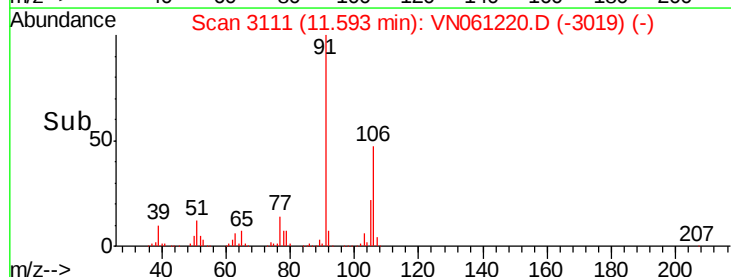
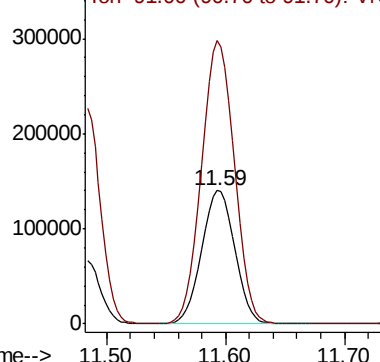
Ion Ratio Lower Upper

106 100

91 210.4 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

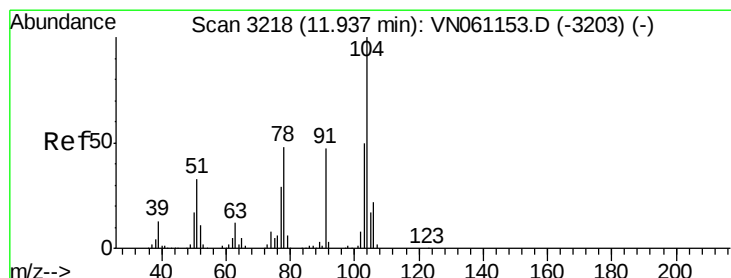
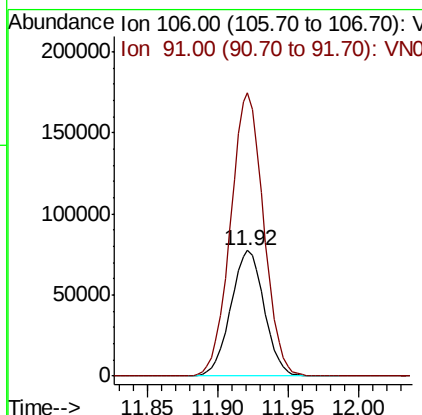
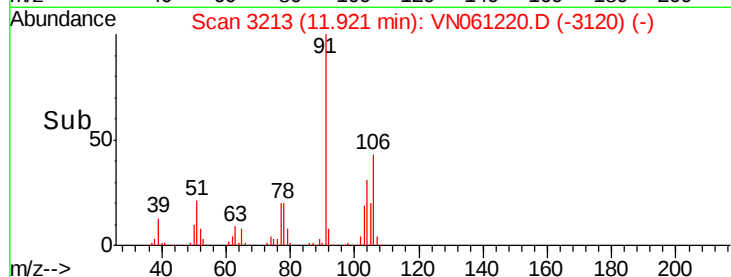
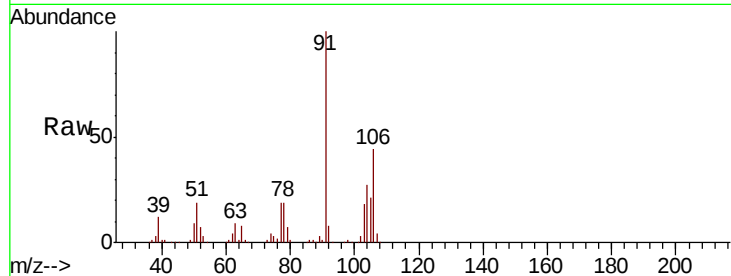




#69
o-Xylene
Concen: 50.553 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

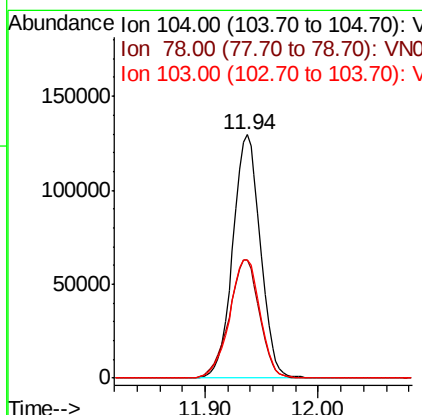
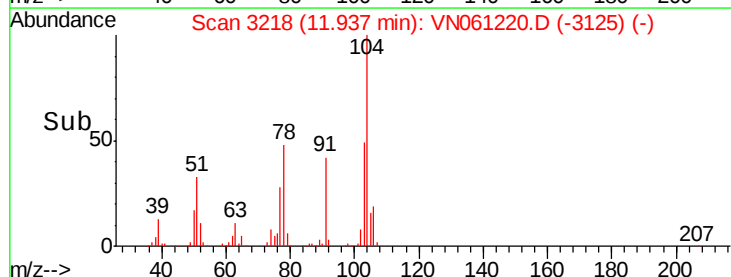
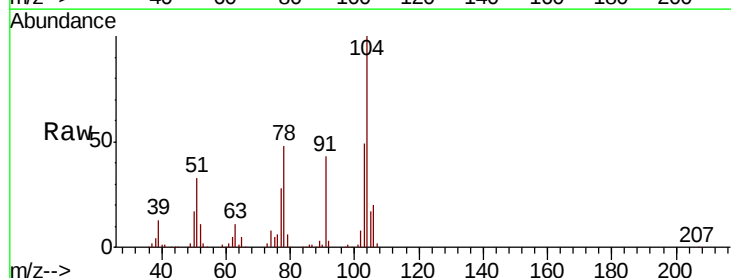
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

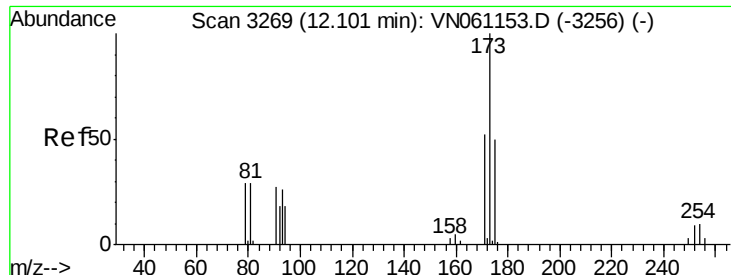
Tot Ion:106 Resp: 128530
Ion Ratio Lower Upper
106 100
91 222.8 109.7 329.0



#70
Styrene
Concen: 51.659 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion:104 Resp: 219826
Ion Ratio Lower Upper
104 100
78 53.4 42.1 63.1
103 54.0 43.3 64.9





#71

Bromoform

Concen: 52.159 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

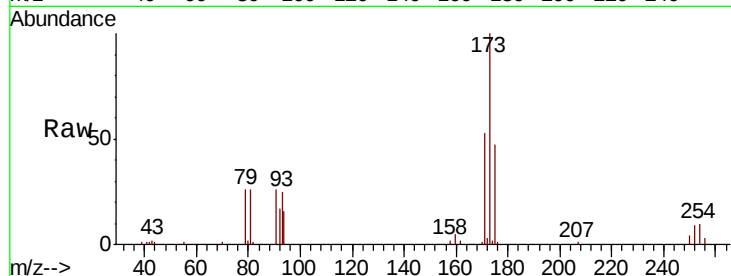
Tot Ion:173 Resp: 52999

Ion Ratio Lower Upper

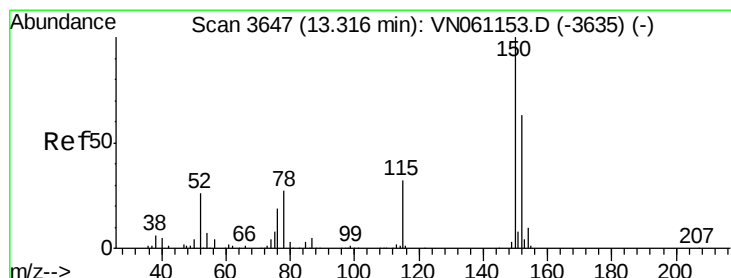
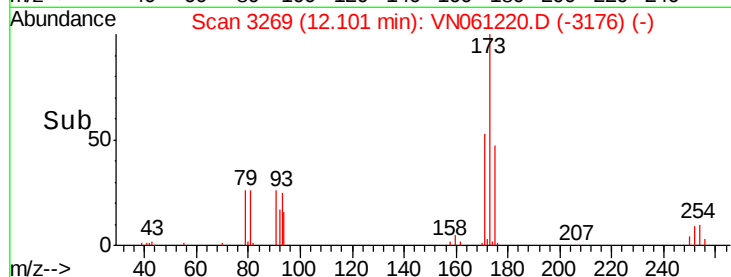
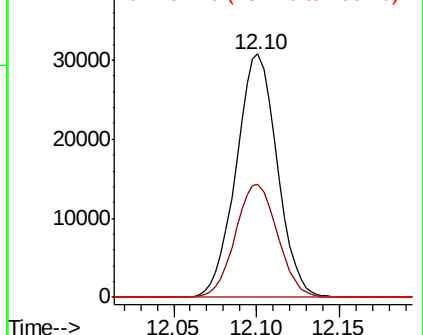
173 100

175 47.8 24.1 72.4

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: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

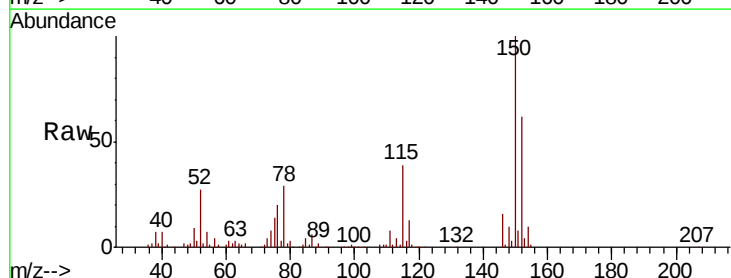
Tgt Ion:152 Resp: 91958

Ion Ratio Lower Upper

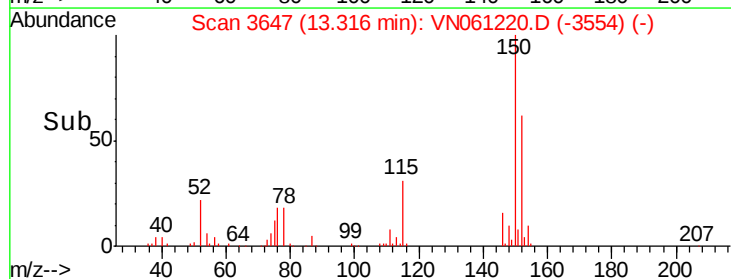
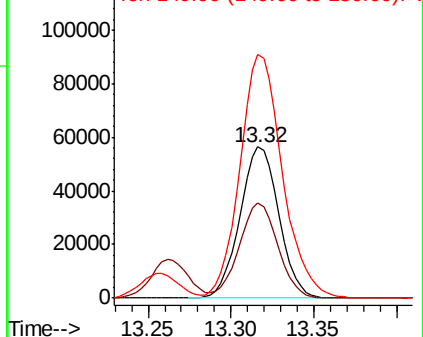
152 100

115 62.5 31.0 93.0

150 175.7 0.0 351.8



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: 51.449 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

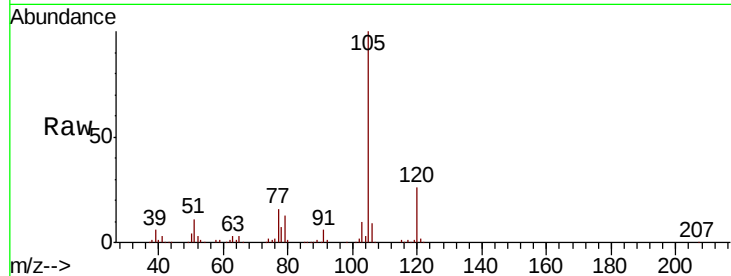
VSTDCCC050

Tot Ion:105 Resp: 347810

Ion Ratio Lower Upper

105 100

120 25.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

200000

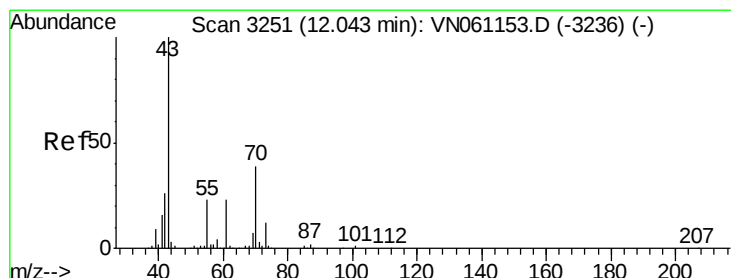
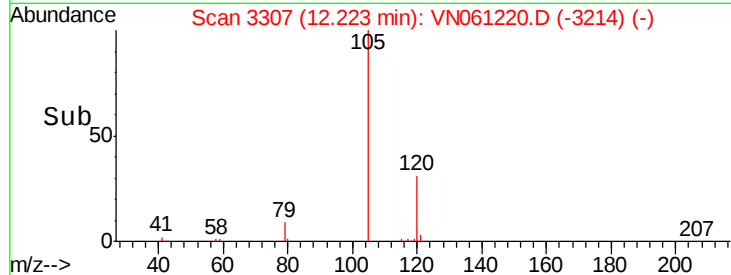
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 54.202 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion: 43 Resp: 185546

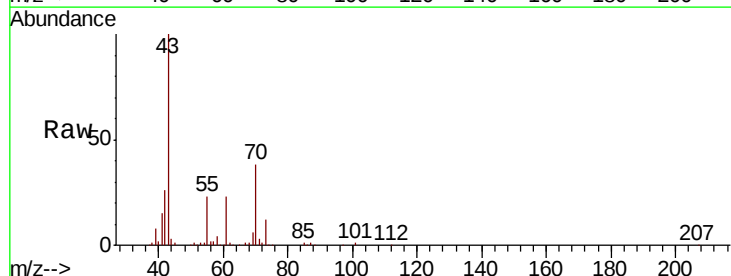
Ion Ratio Lower Upper

43 100

70 37.7 30.6 46.0

55 23.2 18.5 27.7

61 22.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.04

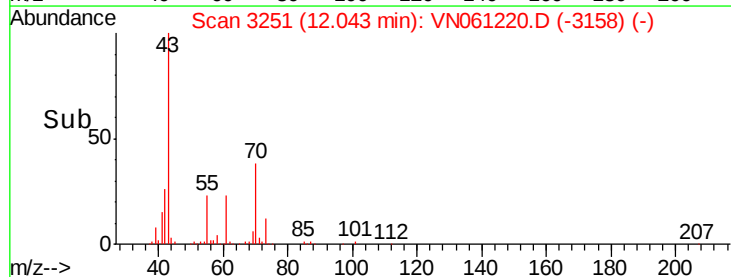
150000

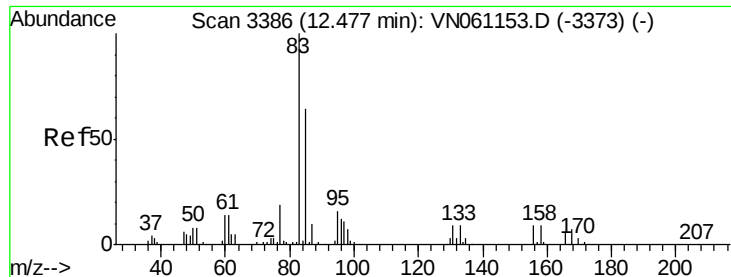
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.695 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

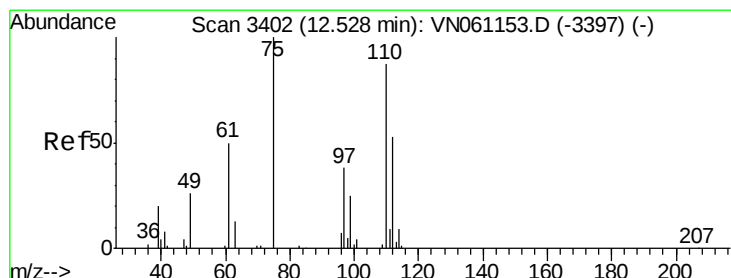
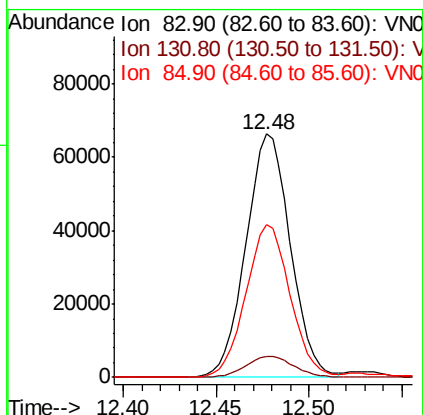
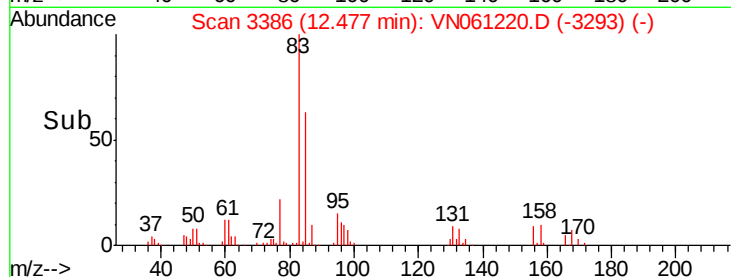
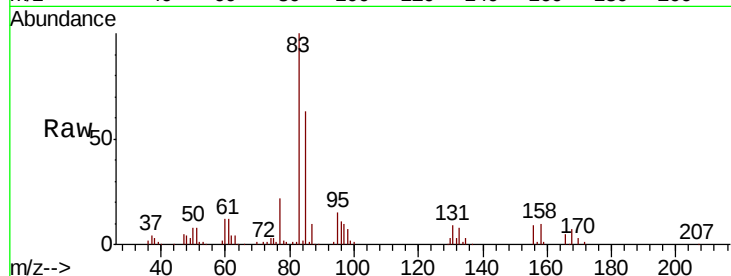
Tot Ion: 83 Resp: 111078

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

85 62.4 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 78.244 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061220.D

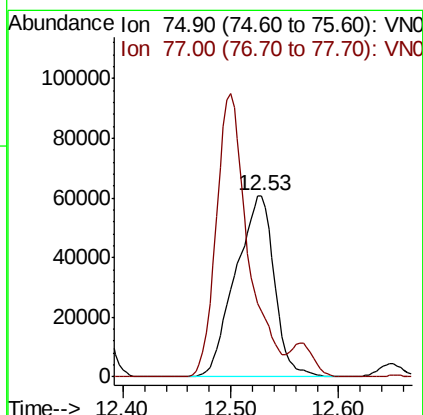
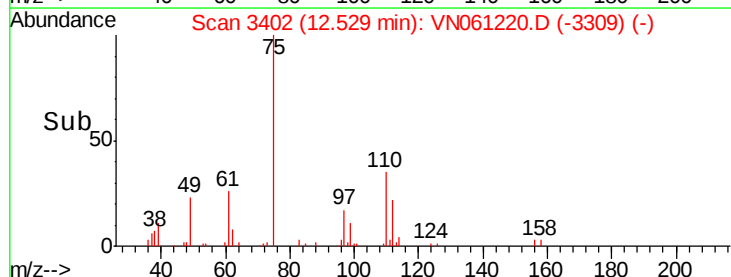
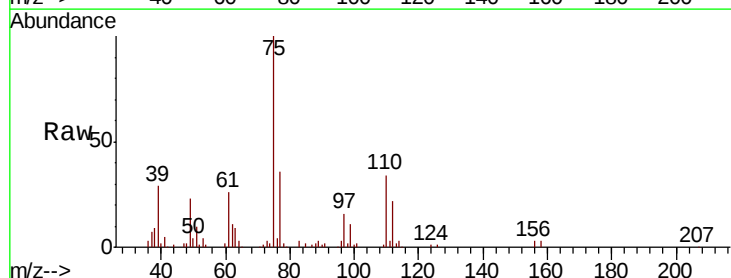
Acq: 1 May 2020 10:43

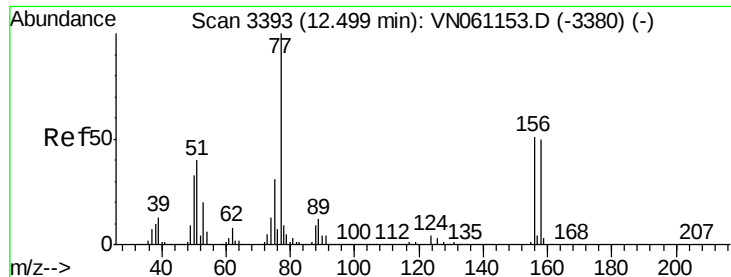
Tgt Ion: 75 Resp: 151693

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.838 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

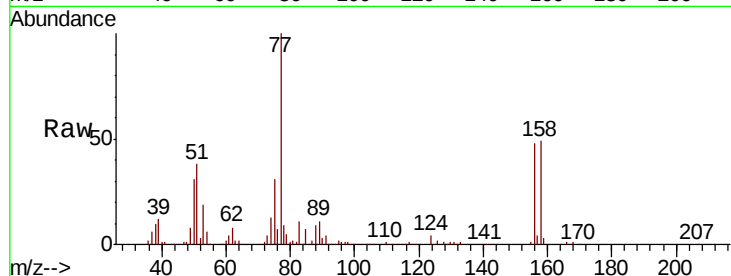
Tot Ion:156 Resp: 79336

Ion Ratio Lower Upper

156 100

77 246.1 117.4 352.2

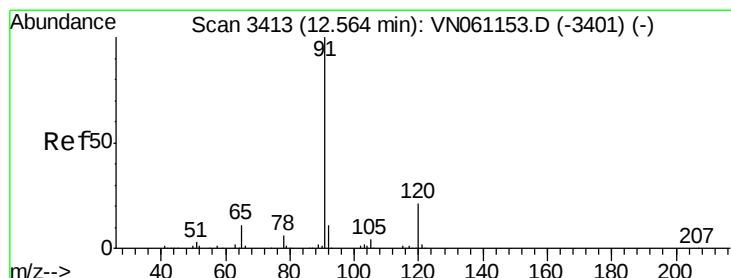
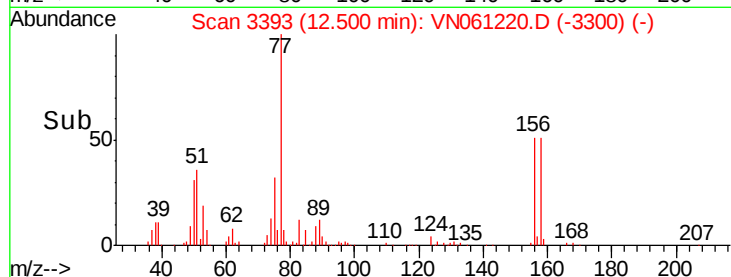
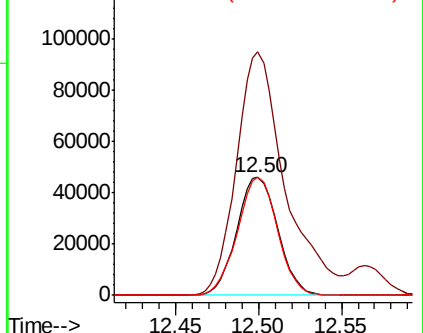
158 97.7 48.4 145.0



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: 52.939 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061220.D

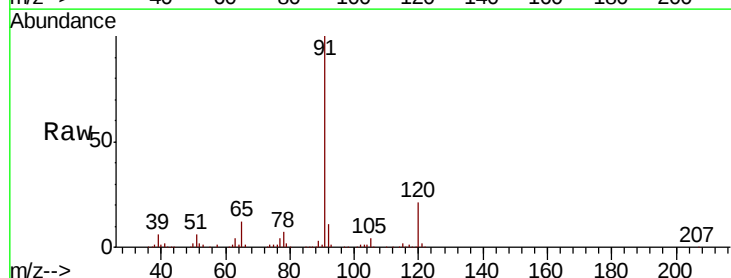
Acq: 1 May 2020 10:43

Tgt Ion: 91 Resp: 424487

Ion Ratio Lower Upper

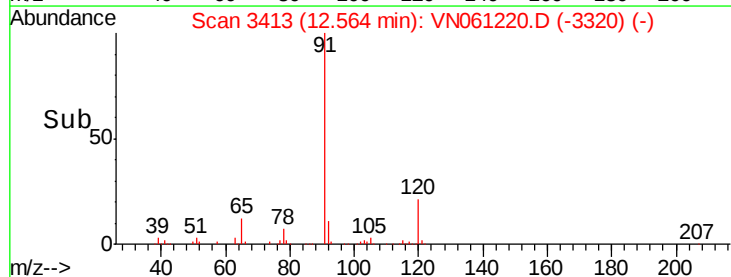
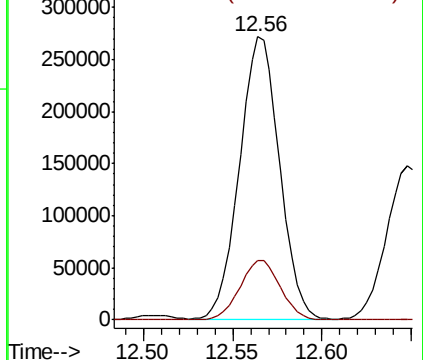
91 100

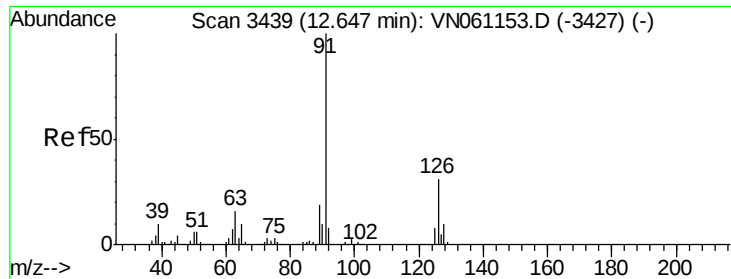
120 21.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.025 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

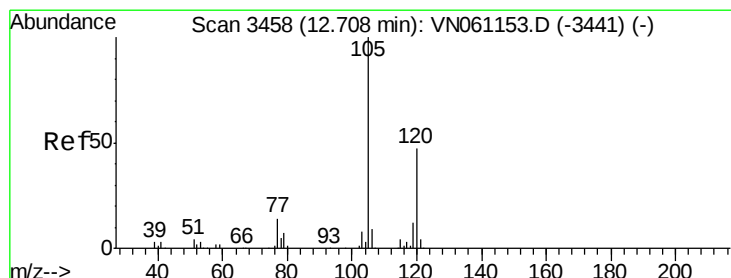
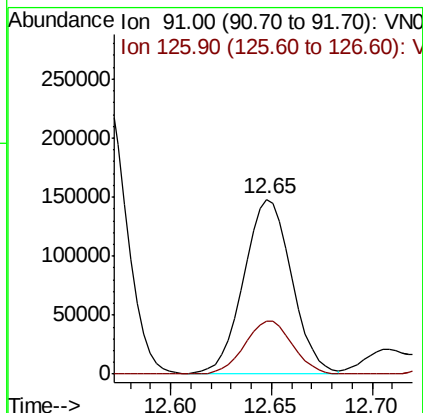
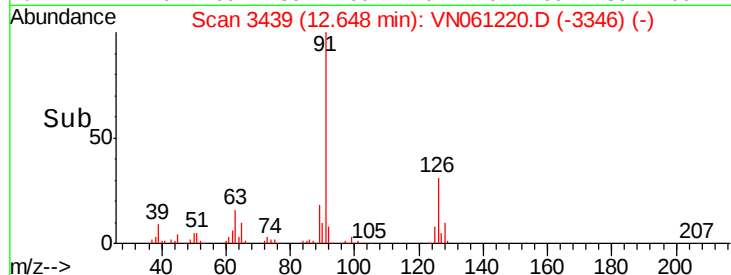
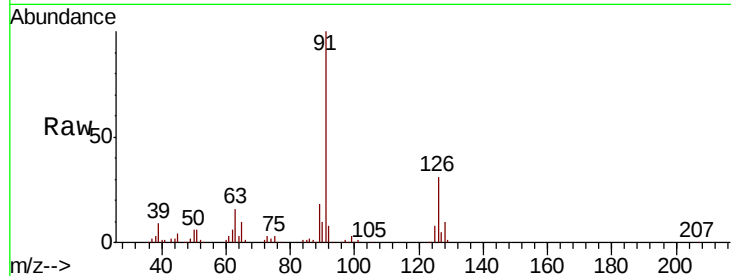
VSTDCCC050

Tot Ion: 91 Resp: 245197

Ion Ratio Lower Upper

91 100

126 30.7 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 53.039 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. -0.00 min

Lab File: VN061220.D

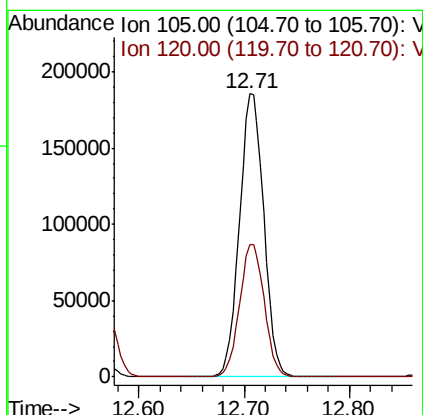
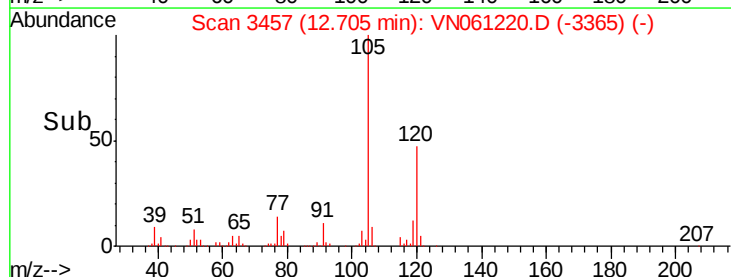
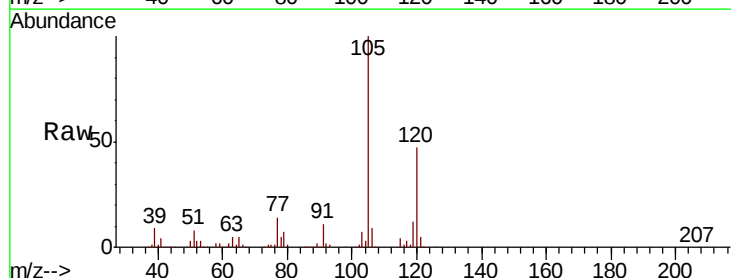
Acq: 1 May 2020 10:43

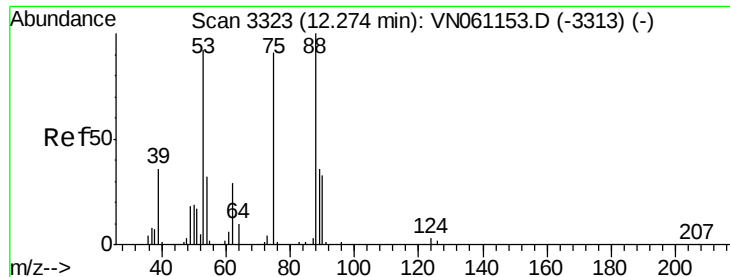
Tgt Ion:105 Resp: 296764

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 53.685 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

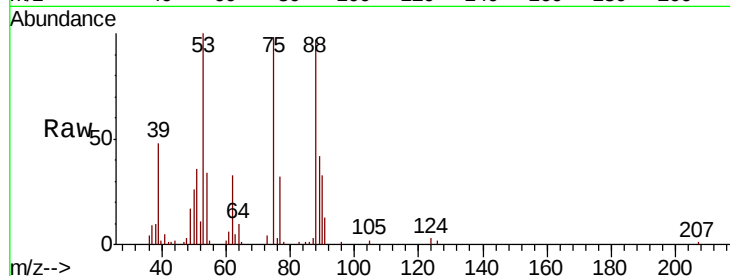
Tot Ion: 75 Resp: 40985

Ion Ratio Lower Upper

75 100

53 102.6 84.1 126.1

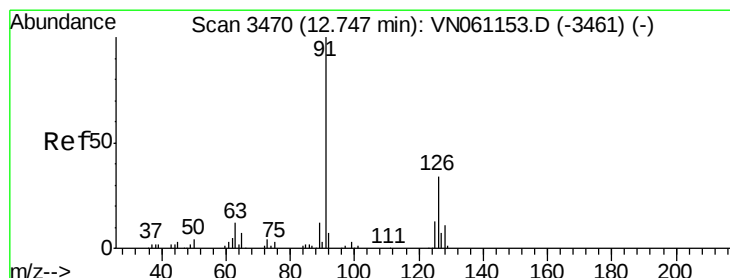
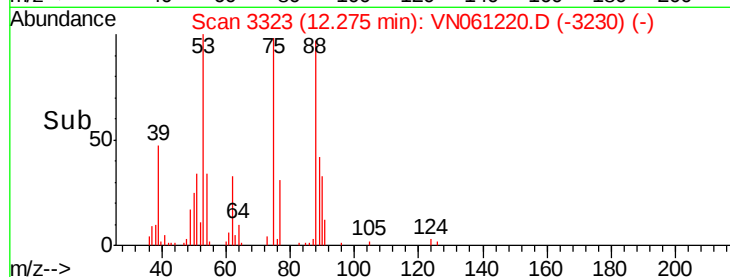
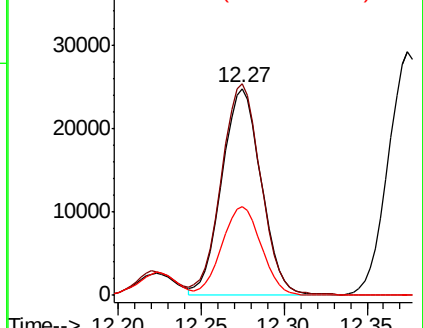
89 42.6 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#82

4-Chlorotoluene

Concen: 52.316 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061220.D

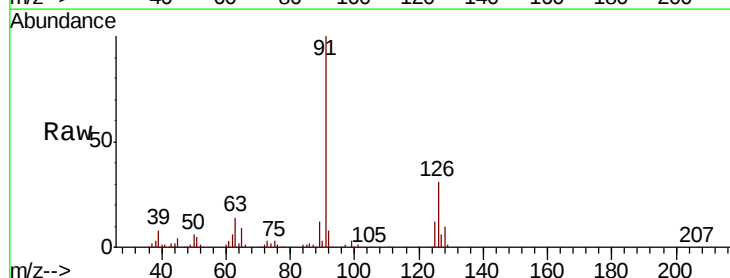
Acq: 1 May 2020 10:43

Tgt Ion: 91 Resp: 259871

Ion Ratio Lower Upper

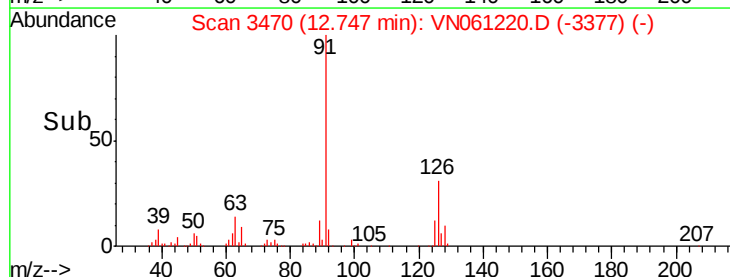
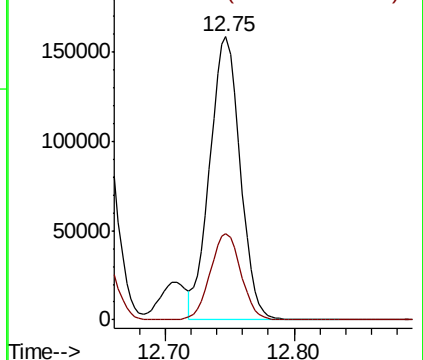
91 100

126 30.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3461) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3461) (-)

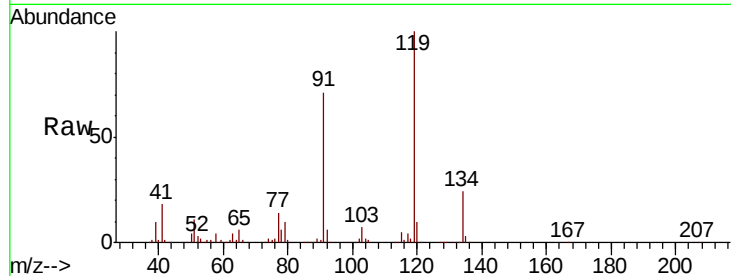




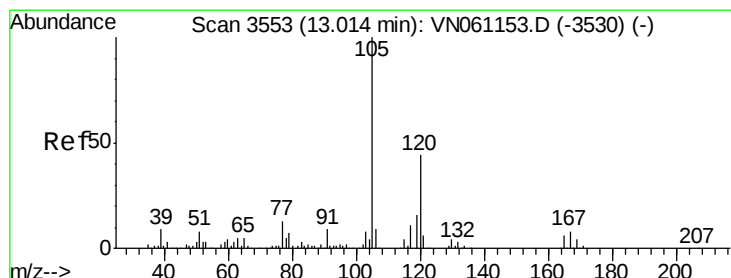
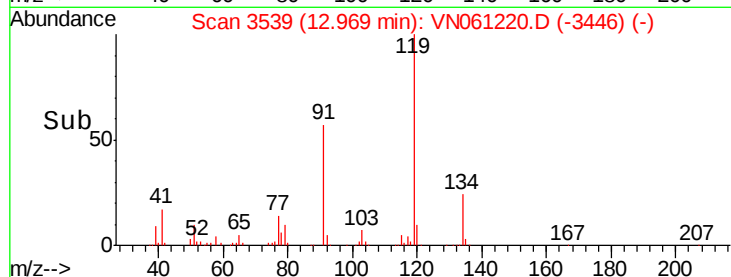
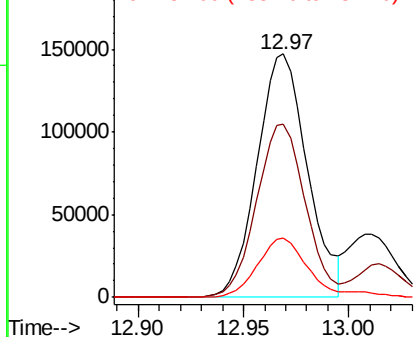
#83
 tert-Butylbenzene
 Concen: 51.805 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 244412
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.8 104.4
 134 25.1 12.9 38.7

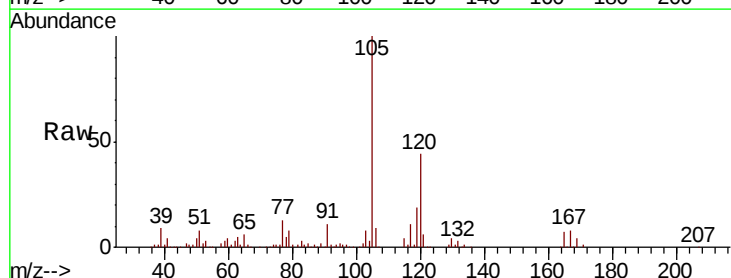


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

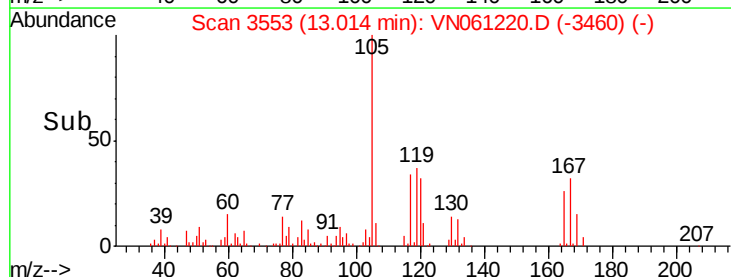
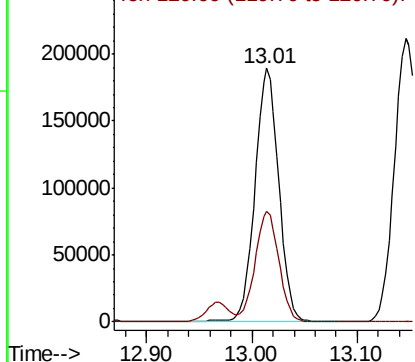


#84
 1,2,4-Trimethylbenzene
 Concen: 51.677 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion:105 Resp: 297897
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.2 66.6



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





#85

sec-Butylbenzene

Concen: 52.566 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

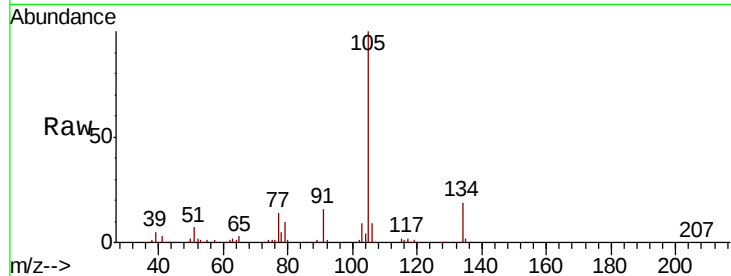
VSTDCCC050

Tot Ion:105 Resp: 338120

Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

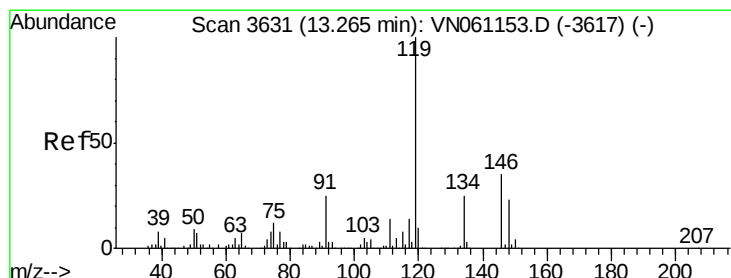
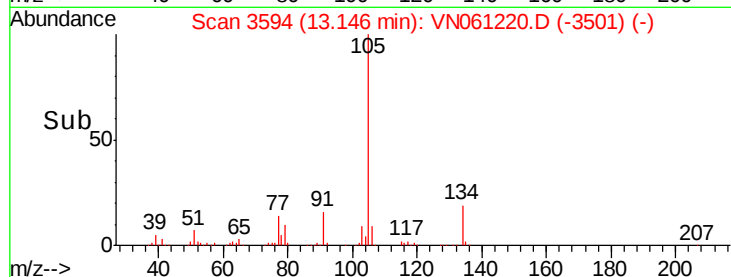
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 52.219 ug/l

RT: 13.26 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

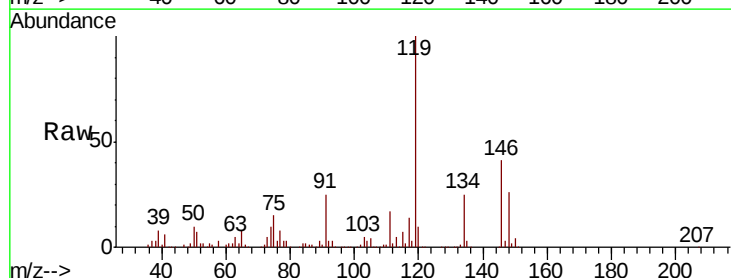
Tgt Ion:119 Resp: 302631

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 25.3 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

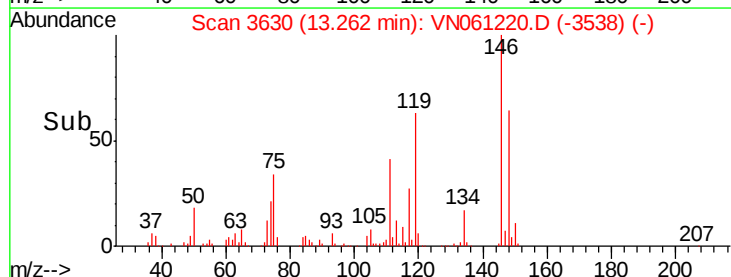
100000

50000

0

13.20 13.25 13.30 13.35

Time-->

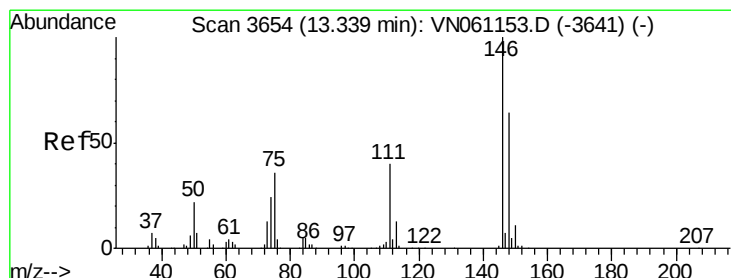
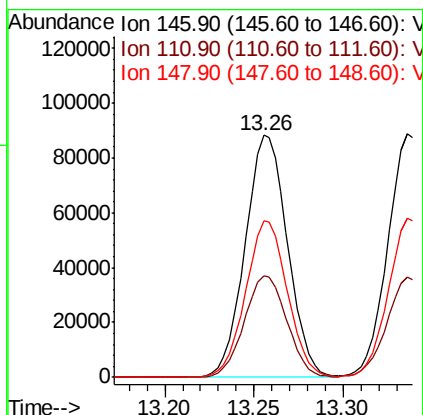
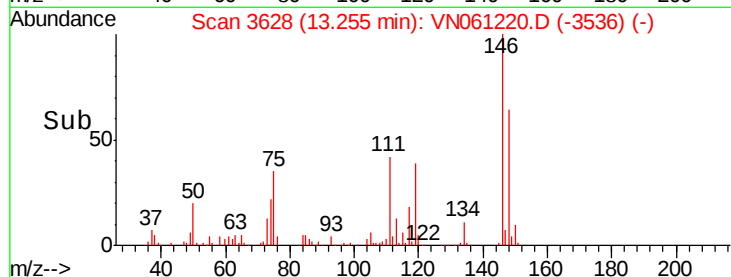
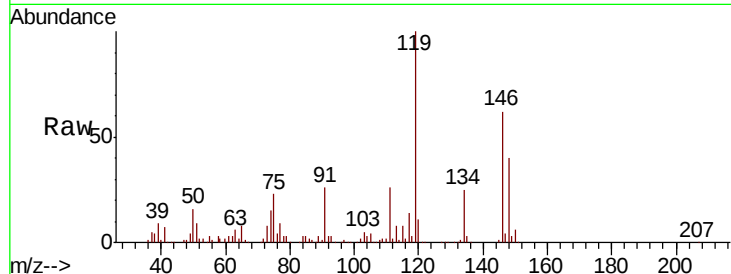




#87
 1,3-Dichlorobenzene
 Concen: 50.958 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

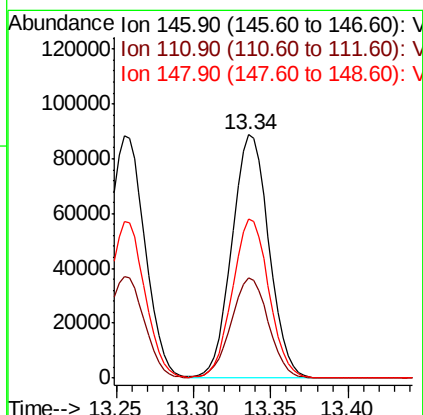
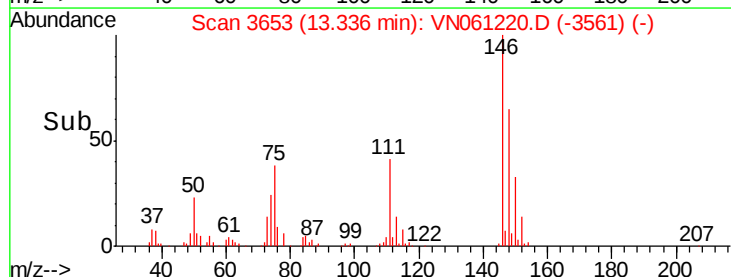
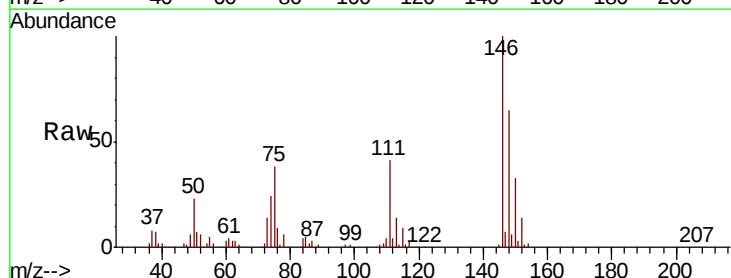
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

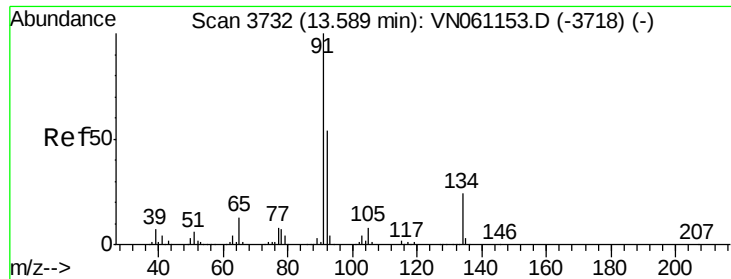
Tot Ion:146 Resp: 146396
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.7 62.1
 148 63.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 50.247 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion:146 Resp: 147493
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.4 61.3
 148 64.6 31.9 95.7

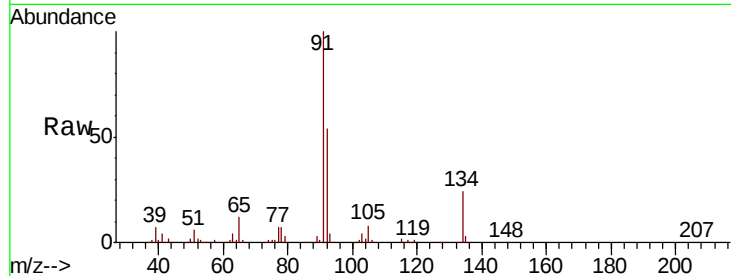




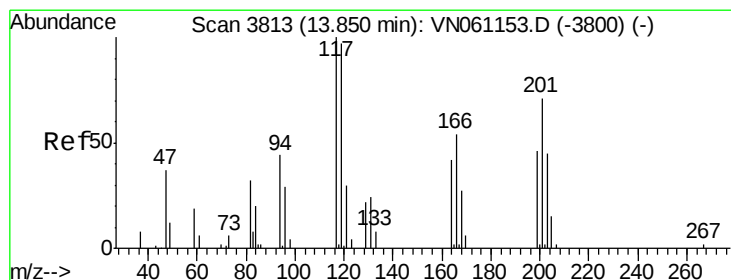
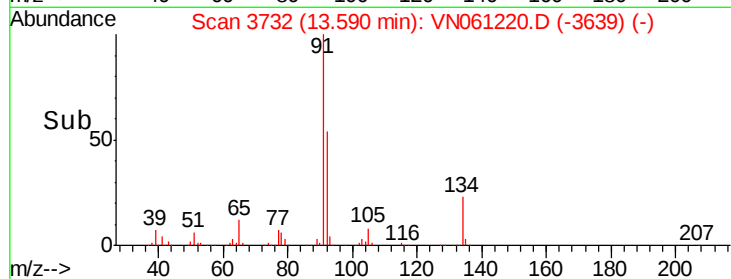
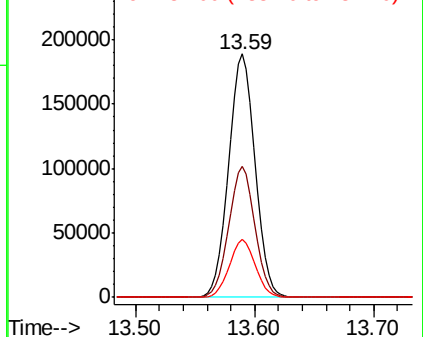
#89
n-Butylbenzene
Concen: 54.699 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 290609
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.3
134 23.4 11.9 35.5

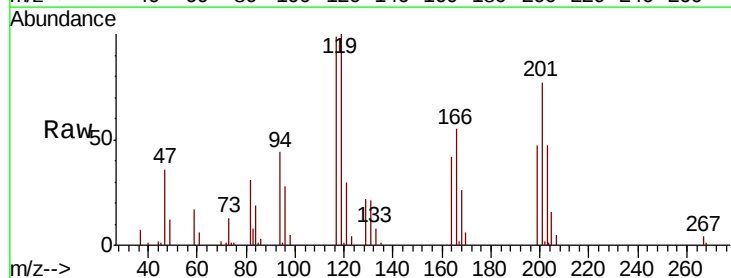


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

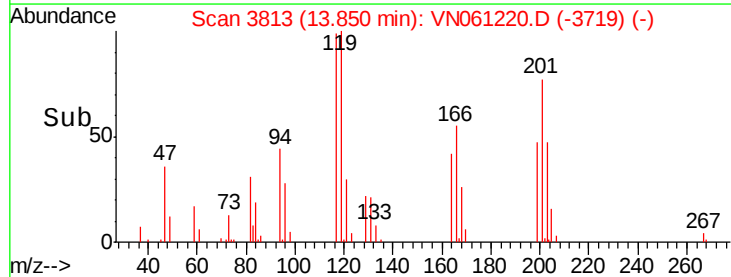
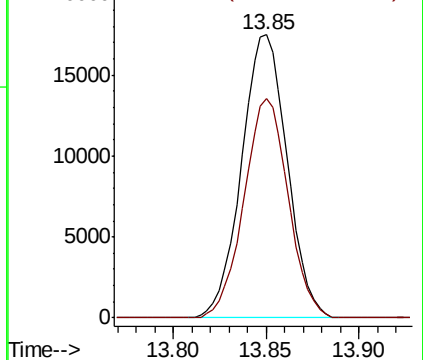


#90
Hexachloroethane
Concen: 49.413 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 117 Resp: 29806
Ion Ratio Lower Upper
117 100
201 75.2 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

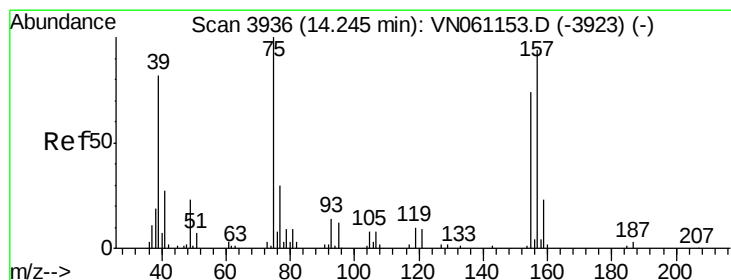
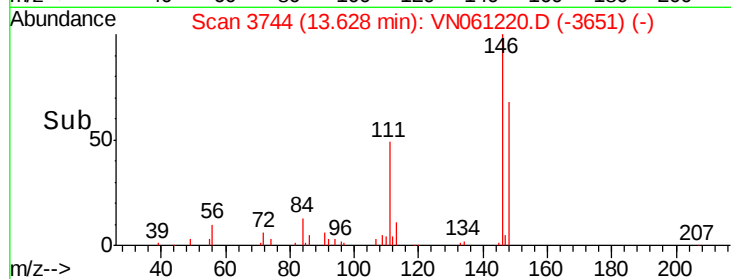
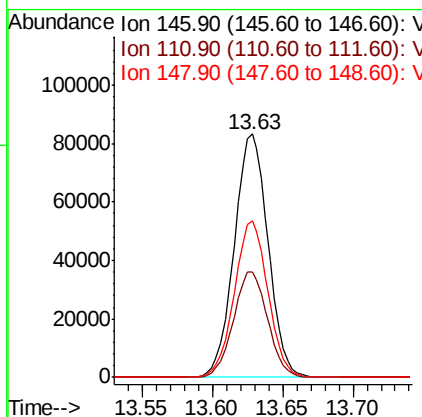
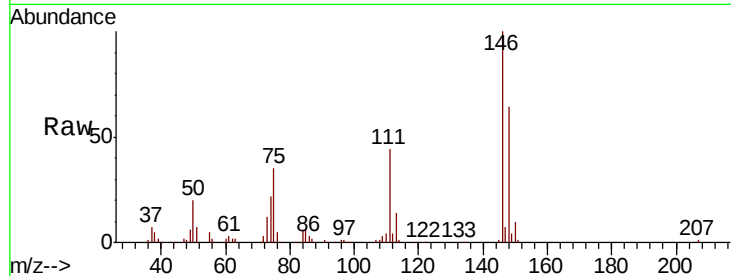




#91
 1,2-Dichlorobenzene
 Concen: 50.710 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

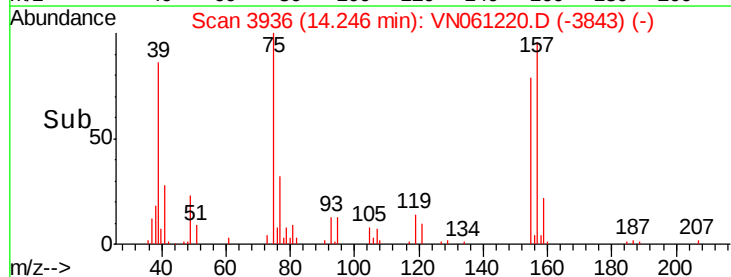
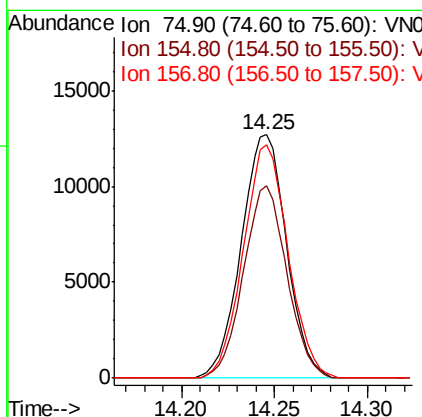
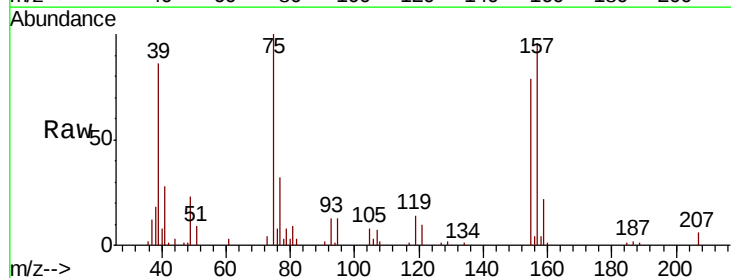
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	63.9	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.578 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	36.5	109.7
157	94.7	46.6	139.7

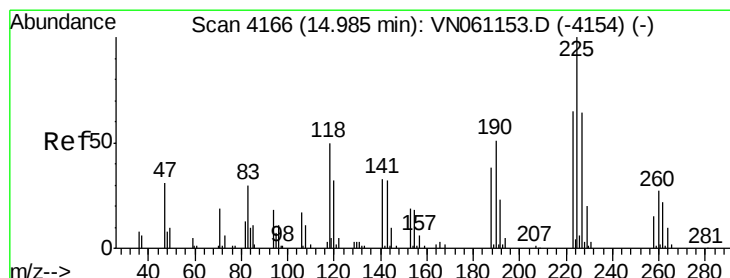
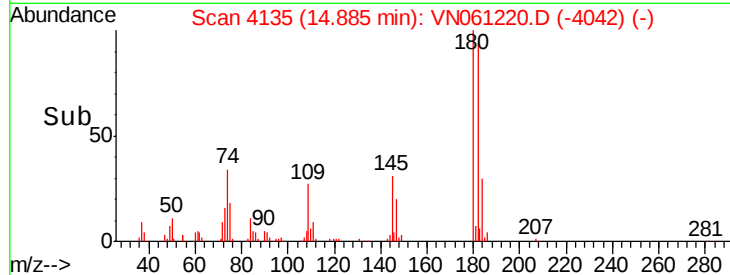
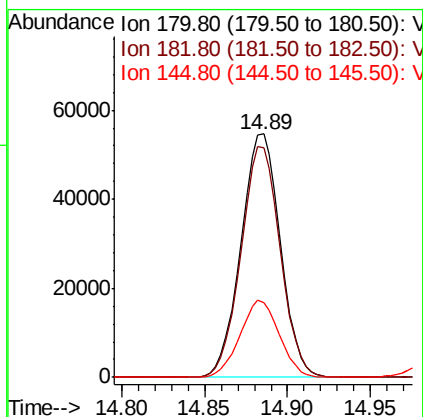
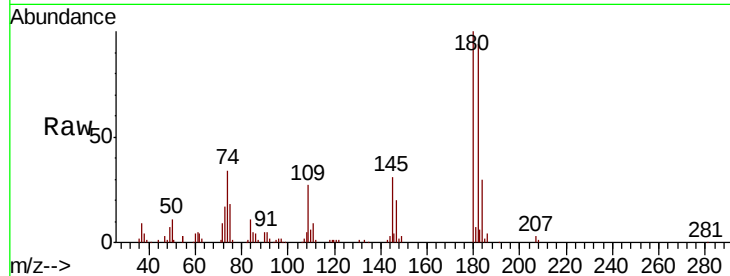




#93
 1,2,4-Trichlorobenzene
 Concen: 53.788 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

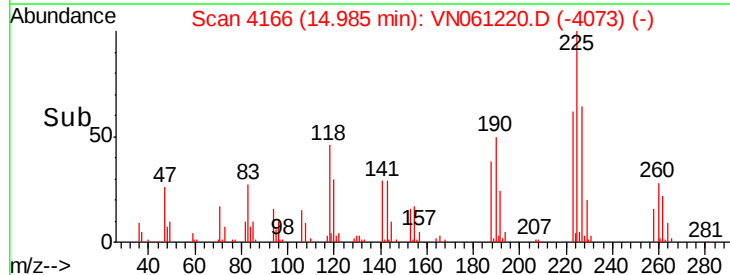
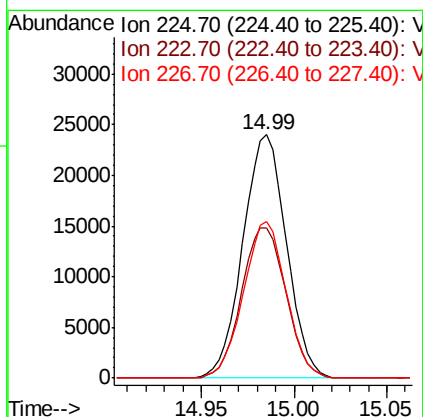
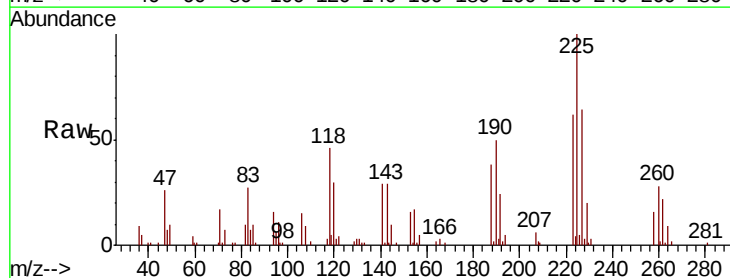
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

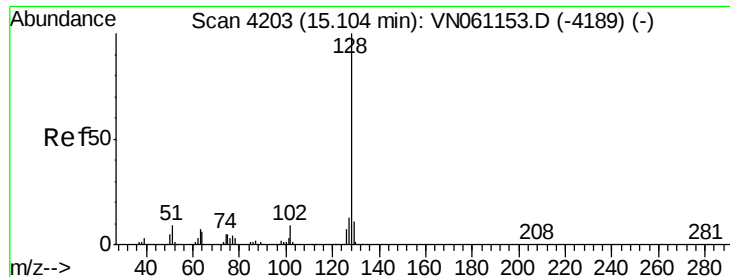
Tot Ion:180 Resp: 90226
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 141.9
 145 31.4 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 55.938 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion:225 Resp: 39200
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.4 97.0
 227 62.9 32.4 97.0

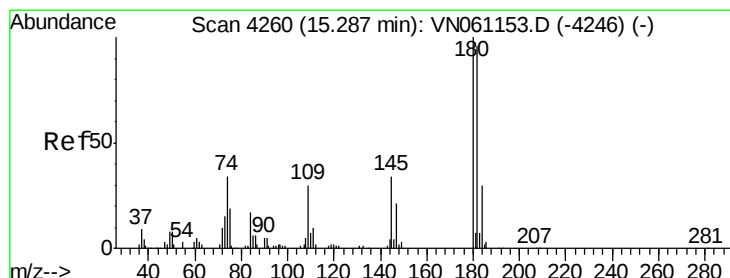
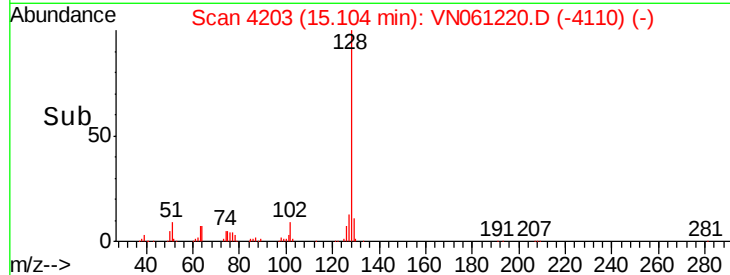
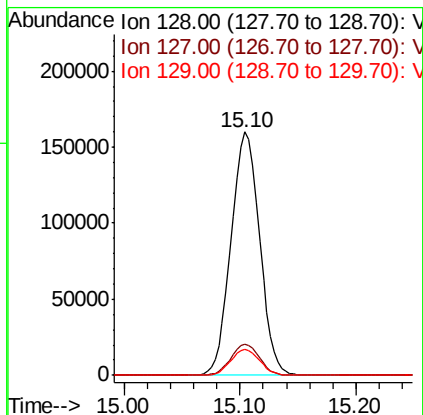
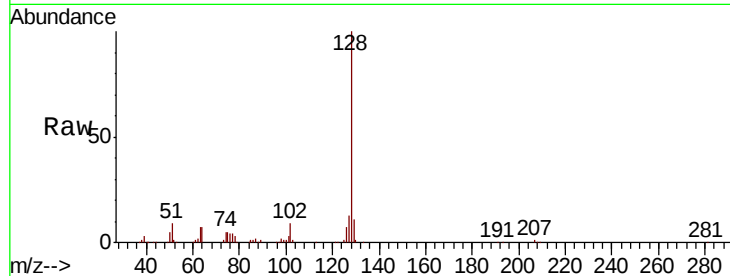




#95
Naphthalene
Concen: 49.927 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 272744
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.163 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion:180 Resp: 86388
Ion Ratio Lower Upper
180 100
182 95.7 47.5 142.5
145 33.8 16.9 50.7

