

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062077.D
 Acq On : 24 Jun 2020 21:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 25 04:32:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	257961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	463443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	431672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208796	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	174010	48.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.14%	
35) Dibromofluoromethane	7.55	113	141175	47.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.96%	
50) Toluene-d8	10.06	98	566109	47.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.38	95	194065	48.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	133709	45.857	ug/l	99
3) Chloromethane	2.03	50	167142	48.655	ug/l	98
4) Vinyl Chloride	2.16	62	210178	45.773	ug/l	98
5) Bromomethane	2.52	94	81267	27.384	ug/l	100
6) Chloroethane	2.66	64	147934	47.162	ug/l	100
7) Trichlorofluoromethane	2.98	101	260379	46.019	ug/l	99
8) Diethyl Ether	3.37	74	95268	48.220	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	135551	45.749	ug/l	99
10) Methyl Iodide	3.91	142	95244	28.543	ug/l	100
11) Tert butyl alcohol	4.74	59	123137	236.911	ug/l	99
12) 1,1-Dichloroethene	3.69	96	140546	47.449	ug/l	100
13) Acrolein	3.56	56	114242	224.499	ug/l	100
14) Allyl chloride	4.27	41	193604	48.008	ug/l	99
15) Acrylonitrile	4.93	53	342752	241.994	ug/l	99
16) Acetone	3.77	43	271424	238.686	ug/l	99
17) Carbon Disulfide	4.01	76	413804	48.776	ug/l	99
18) Methyl Acetate	4.28	43	136193	47.327	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	469848	49.641	ug/l	99
20) Methylene Chloride	4.50	84	166256	50.029	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	155225	46.002	ug/l	100
22) Diisopropyl ether	5.90	45	440002	47.919	ug/l	99
23) Vinyl Acetate	5.84	43	1879320	250.685	ug/l	100
24) 1,1-Dichloroethane	5.80	63	275095	46.525	ug/l	99
25) 2-Butanone	6.79	43	429297	242.618	ug/l	98
26) 2,2-Dichloropropane	6.77	77	215165	43.669	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	179952	47.393	ug/l	96
28) Bromochloromethane	7.15	49	123415	48.107	ug/l	100
29) Tetrahydrofuran	7.17	42	290167	250.346	ug/l	99
30) Chloroform	7.33	83	282068	46.888	ug/l	99
31) Cyclohexane	7.61	56	234386	46.864	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	242637	47.826	ug/l	100
36) 1,1-Dichloropropene	7.75	75	215158	46.188	ug/l	100
37) Ethyl Acetate	6.88	43	186477	48.344	ug/l	99
38) Carbon Tetrachloride	7.73	117	204589	46.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	244055	47.816	ug/l	98
40) Benzene	8.00	78	659120	46.423	ug/l	100
41) Methacrylonitrile	7.13	41	88394	49.430	ug/l	96
42) 1,2-Dichloroethane	8.08	62	220375	45.939	ug/l	100
43) Isopropyl Acetate	8.13	43	308636	49.083	ug/l	98
44) Trichloroethene	8.80	130	163760	45.723	ug/l	100
45) 1,2-Dichloropropane	9.08	63	166566	47.552	ug/l	100
46) Dibromomethane	9.17	93	112258	47.268	ug/l	98
47) Bromodichloromethane	9.37	83	227430	47.428	ug/l	98
48) Methyl methacrylate	9.17	41	144696	51.322	ug/l	96
49) 1,4-Dioxane	9.17	88	60486	967.413	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	937035	255.056	ug/l	100
52) Toluene	10.12	92	422917	48.818	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	251093	47.595	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	272180	48.459	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	163403	47.984	ug/l	98
56) Ethyl methacrylate	10.40	69	239810	52.768	ug/l	100
57) 1,3-Dichloropropane	10.68	76	280778	47.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	465153	241.020	ug/l	100
59) 2-Hexanone	10.72	43	688926	259.690	ug/l	100
60) Dibromochloromethane	10.87	129	174660	48.445	ug/l	98
61) 1,2-Dibromoethane	10.98	107	168728	48.220	ug/l	100
64) Tetrachloroethene	10.60	164	135143	45.831	ug/l	98
65) Chlorobenzene	11.41	112	441043	46.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	155130	47.325	ug/l	99
67) Ethyl Benzene	11.48	91	797025	49.783	ug/l	99
68) m/p-Xylenes	11.60	106	609218	98.383	ug/l	99
69) o-Xylene	11.92	106	292517	50.067	ug/l	98
70) Styrene	11.94	104	499337	51.246	ug/l	99
71) Bromoform	12.10	173	115322	49.481	ug/l #	99
73) Isopropylbenzene	12.22	105	769870	47.633	ug/l	100
74) N-amyl acetate	12.05	43	280090	47.272	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	245890	45.717	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	296406	60.304	ug/l #	100
77) Bromobenzene	12.50	156	182722	45.537	ug/l	99
78) n-propylbenzene	12.57	91	888059	48.036	ug/l	100
79) 2-Chlorotoluene	12.65	91	524299	46.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	640536	48.888	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	70527	41.904	ug/l	99
82) 4-Chlorotoluene	12.75	91	539417	46.672	ug/l	100
83) tert-Butylbenzene	12.97	119	537260	47.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	639467	48.868	ug/l	100
85) sec-Butylbenzene	13.15	105	717049	48.395	ug/l	99
86) p-Isopropyltoluene	13.26	119	642280	49.478	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	327626	46.497	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	329125	45.314	ug/l	99
89) n-Butylbenzene	13.59	91	531752	49.272	ug/l	99
90) Hexachloroethane	13.85	117	110899	43.544	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	321411	47.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42004	48.751	ug/l	97

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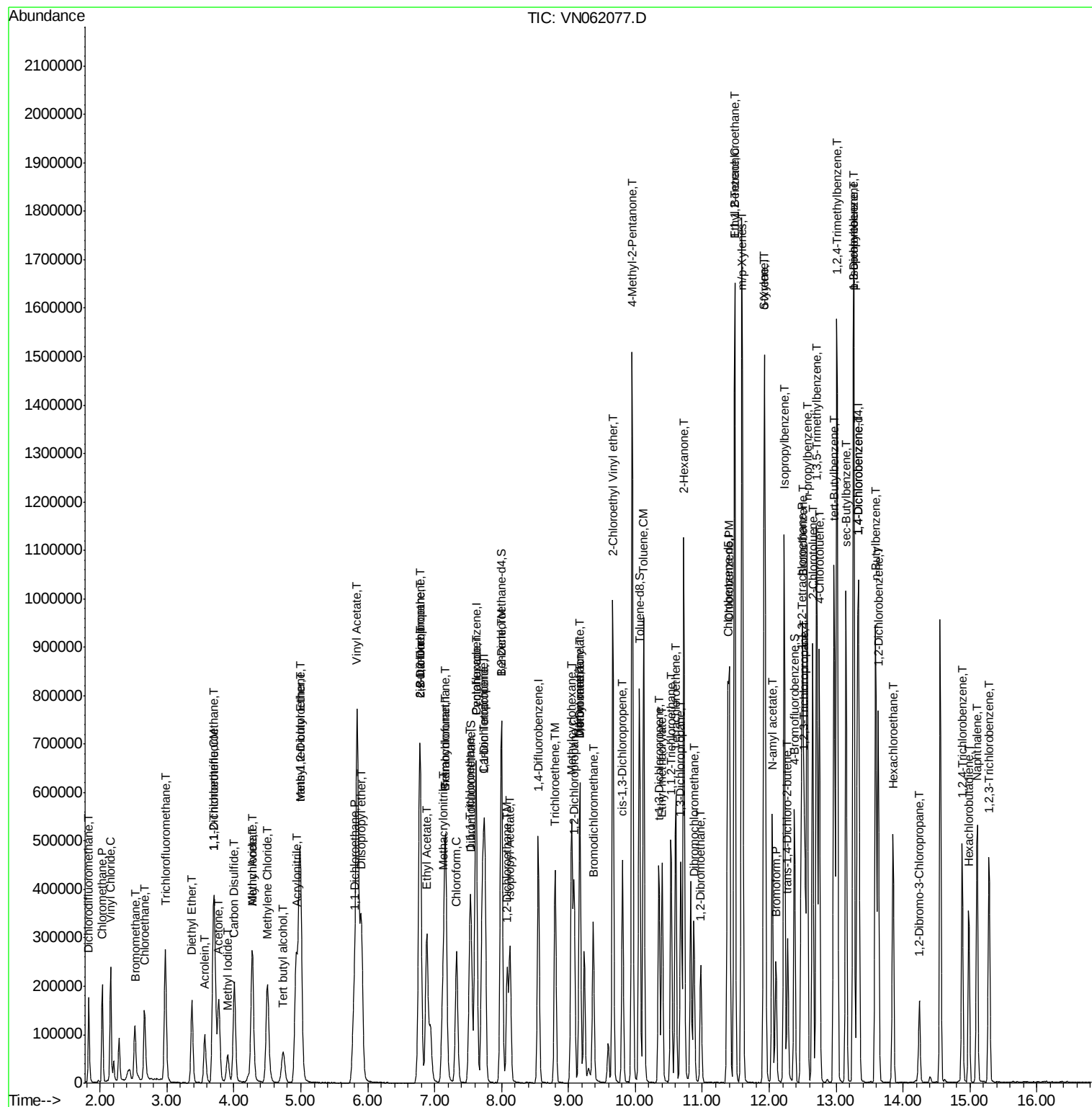
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	152832	51.202	ug/l	99
94) Hexachlorobutadiene	14.98	225	59889	46.196	ug/l	99
95) Naphthalene	15.11	128	461145	46.628	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	153012	50.134	ug/l	99

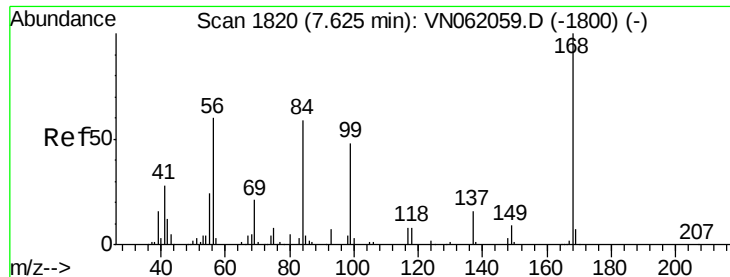
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062420\
Data File : VN062077.D
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

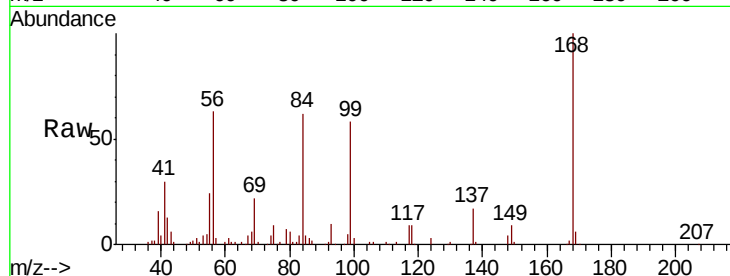
VSTDCCC050EC

Tot Ion:168 Resp: 257961

Ion Ratio Lower Upper

168 100

99 57.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062059.D

Ion 98.90 (98.60 to 99.60): VN062059.D

7.63

120000

100000

80000

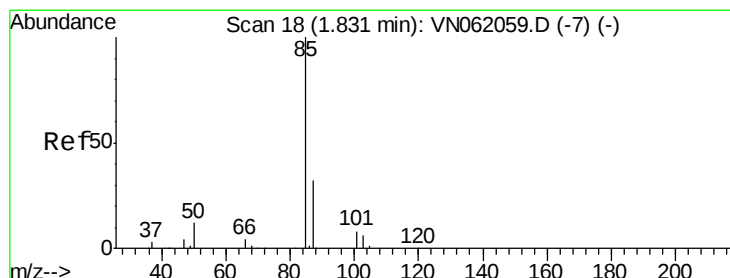
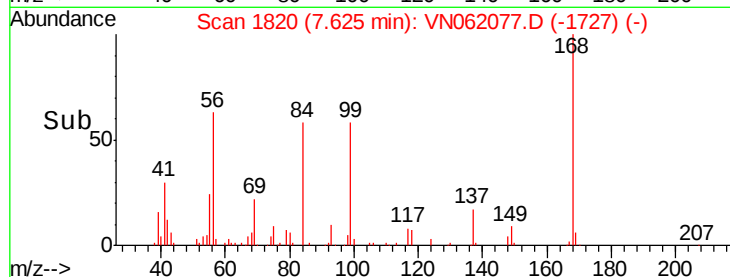
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 45.857 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062077.D

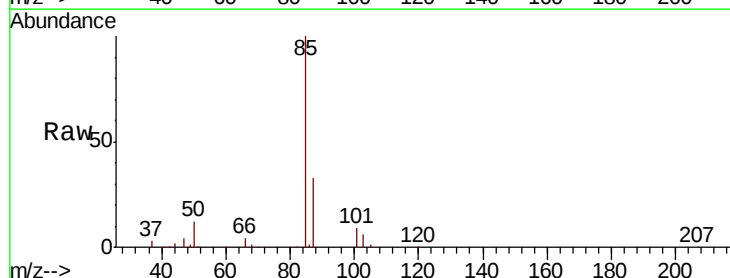
Acq: 24 Jun 2020 21:02

Tgt Ion: 85 Resp: 133709

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN062059.D

Ion 86.90 (86.60 to 87.60): VN062059.D

1.83

100000

80000

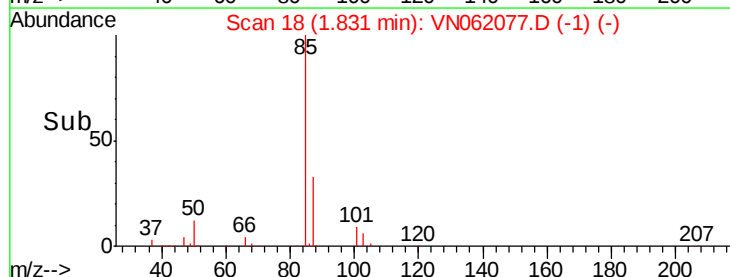
60000

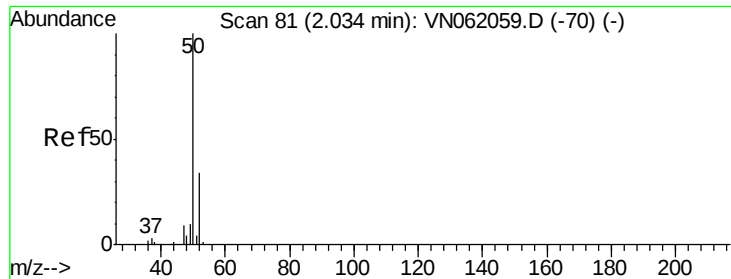
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 48.655 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

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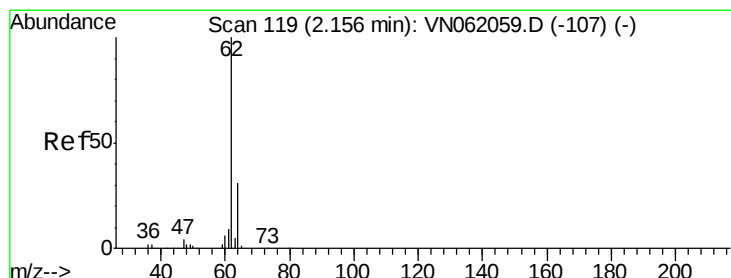
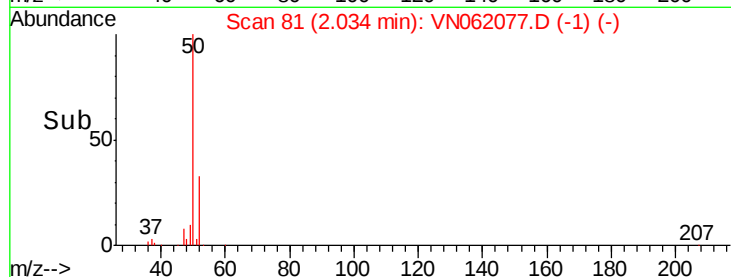
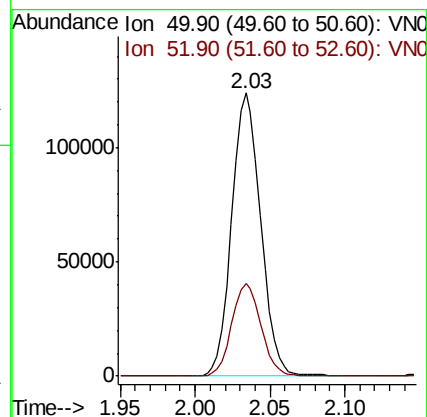
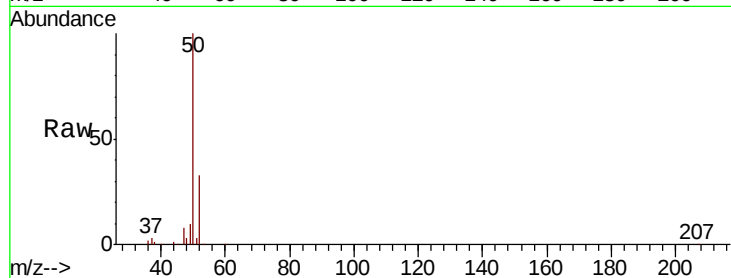
VSTDCCC050EC

Tot Ion: 50 Resp: 167142

Ion Ratio Lower Upper

50 100

52 32.6 27.0 40.6



#4

Vinyl Chloride

Concen: 45.773 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062077.D

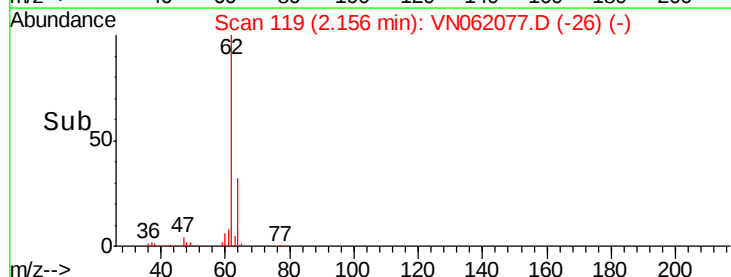
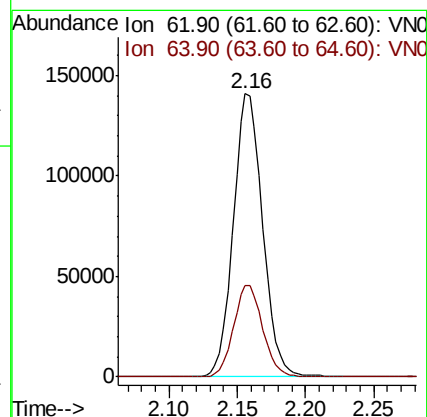
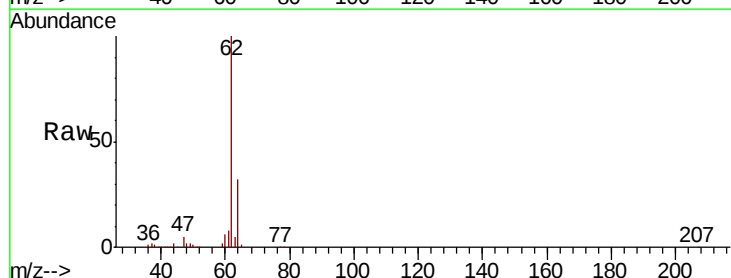
Acq: 24 Jun 2020 21:02

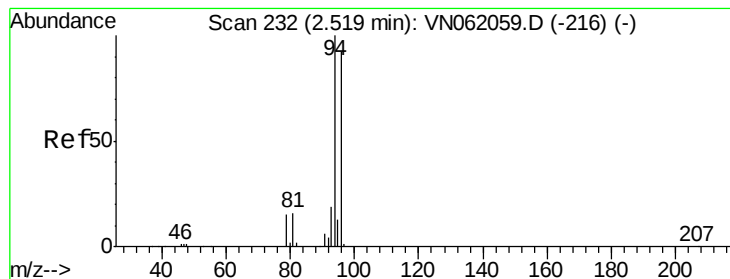
Tgt Ion: 62 Resp: 210178

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 27.384 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

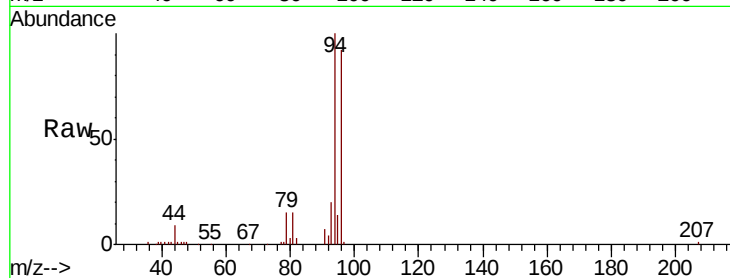
VSTDCCC050EC

Tot Ion: 94 Resp: 81267

Ion Ratio Lower Upper

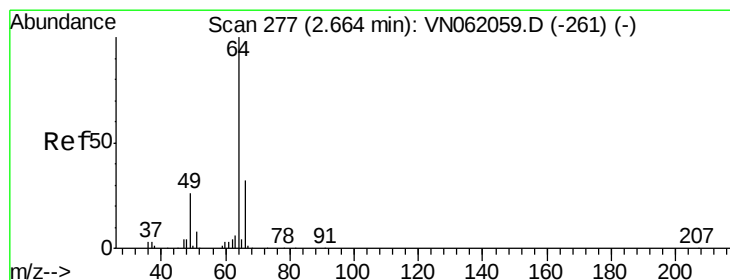
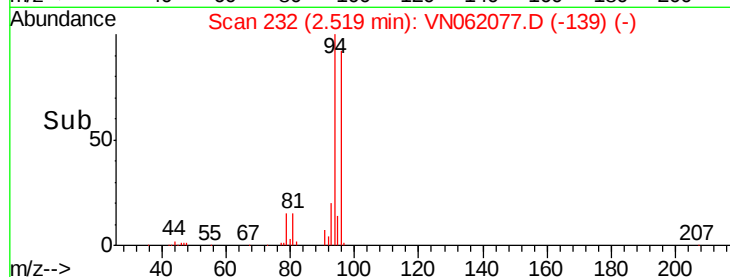
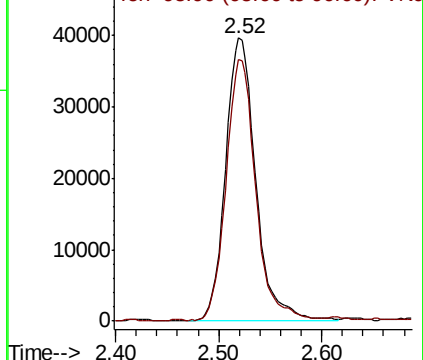
94 100

96 92.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN062059.D

Ion 95.90 (95.60 to 96.60): VN062059.D



#6

Chloroethane

Concen: 47.162 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062077.D

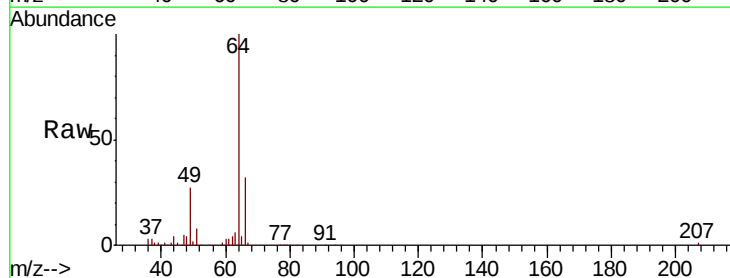
Acq: 24 Jun 2020 21:02

Tgt Ion: 64 Resp: 147934

Ion Ratio Lower Upper

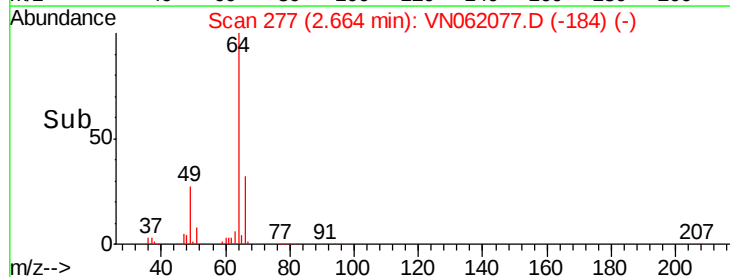
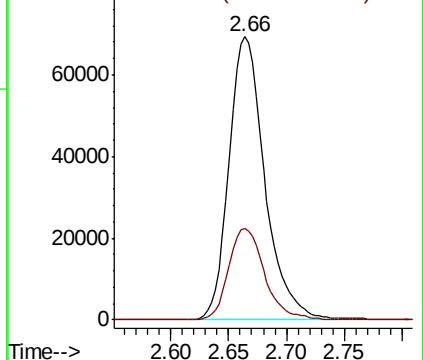
64 100

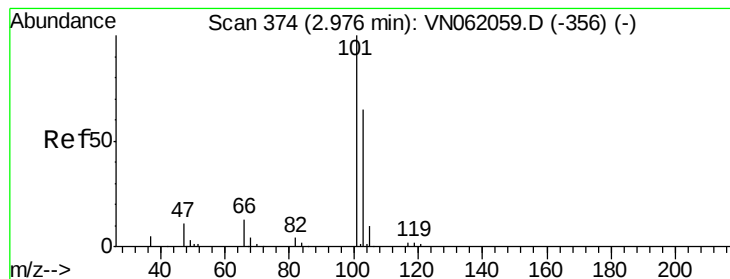
66 32.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN062059.D

Ion 65.90 (65.60 to 66.60): VN062059.D



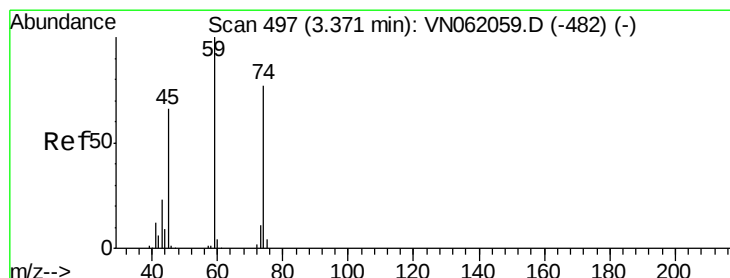
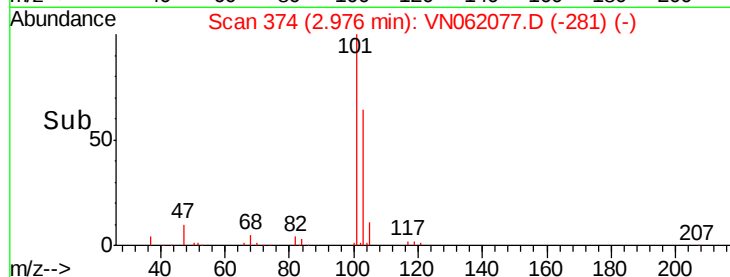
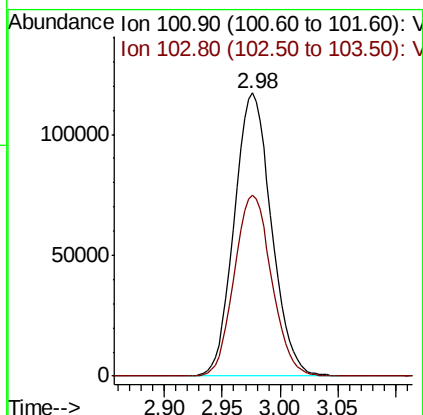
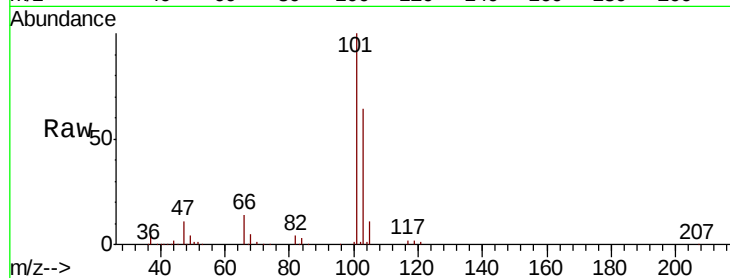


#7

Trichlorofluoromethane
 Concen: 46.019 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062077.D
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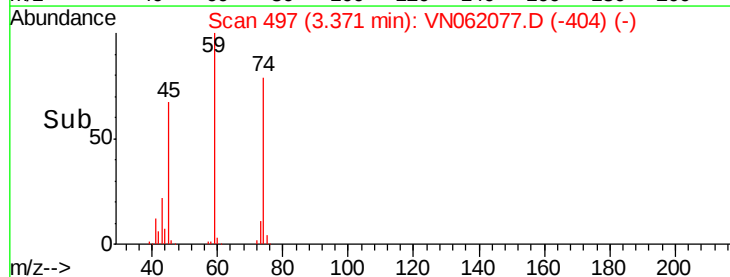
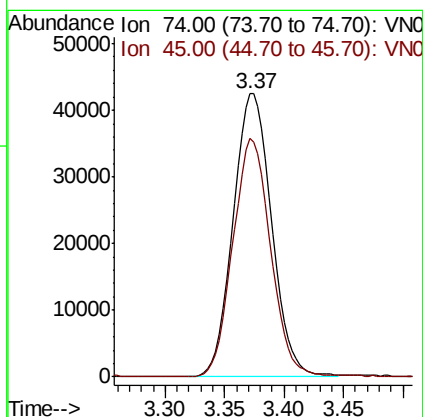
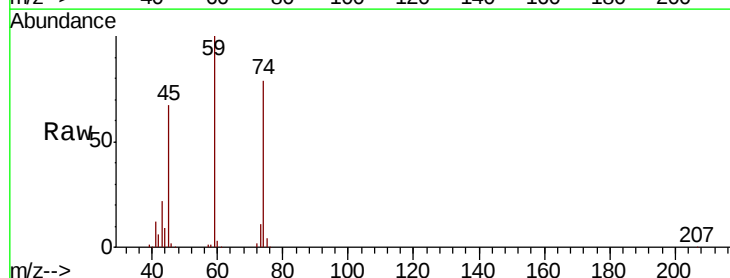
Tot Ion:101 Resp: 260379
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.6

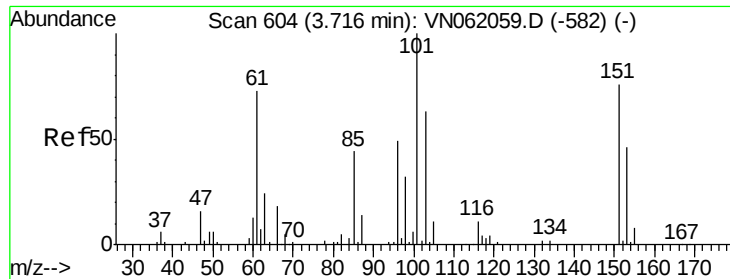


#8

Diethyl Ether
 Concen: 48.220 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion: 74 Resp: 95268
 Ion Ratio Lower Upper
 74 100
 45 82.7 42.5 127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.749 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062077.D

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Instrument :

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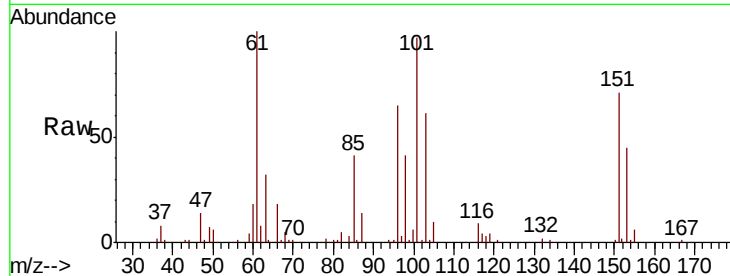
Tot Ion:101 Resp: 135551

Ion Ratio Lower Upper

101 100

85 43.4 34.5 51.7

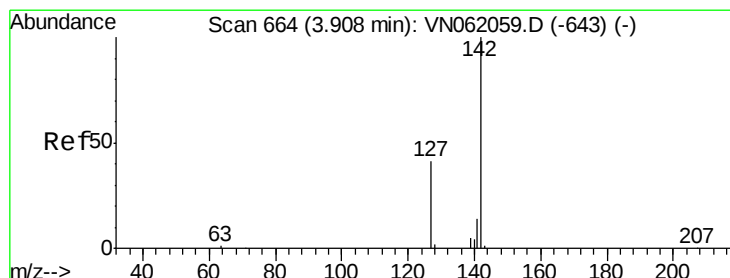
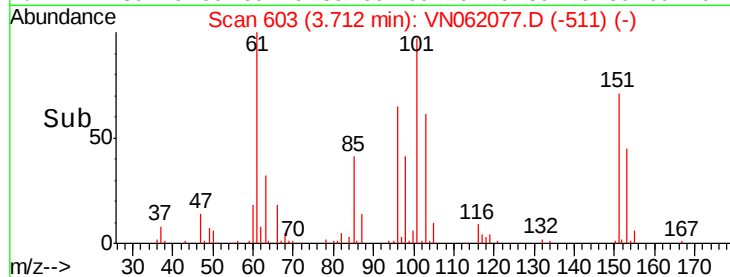
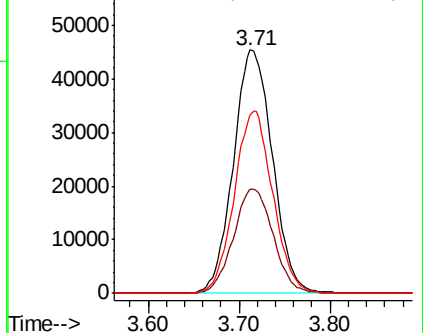
151 73.5 57.8 86.8



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: 28.543 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

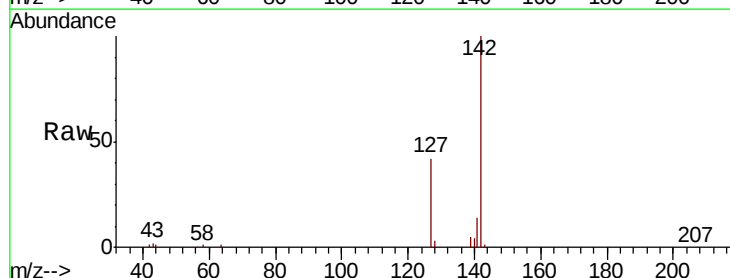
Tgt Ion:142 Resp: 95244

Ion Ratio Lower Upper

142 100

127 42.0 33.6 50.4

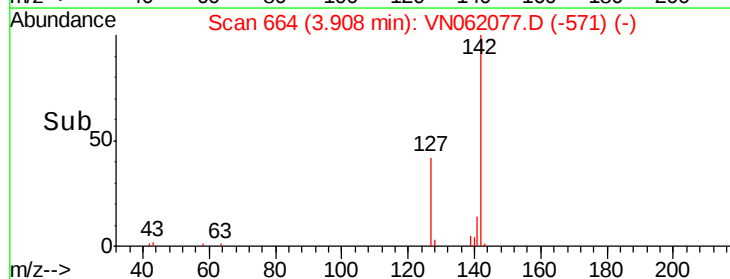
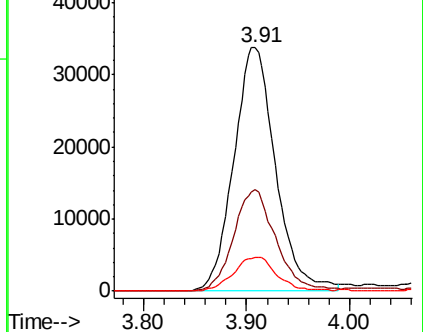
141 14.2 11.3 16.9

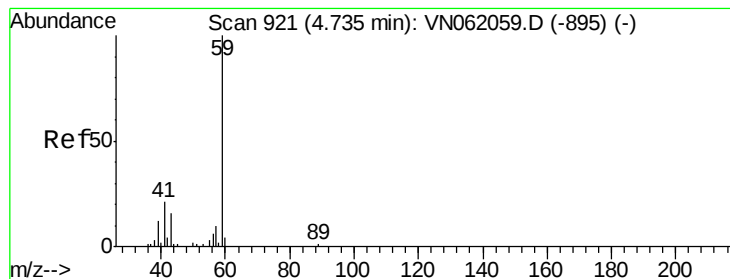


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



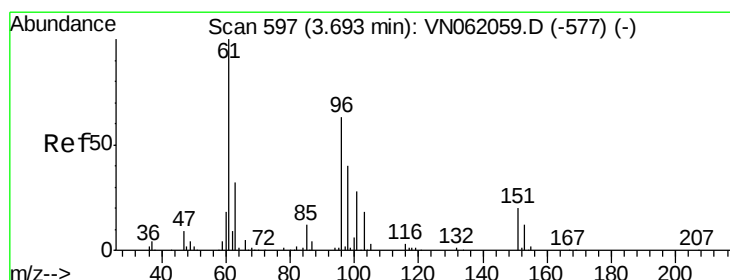
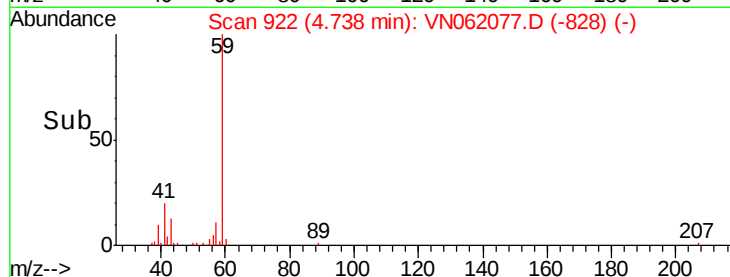
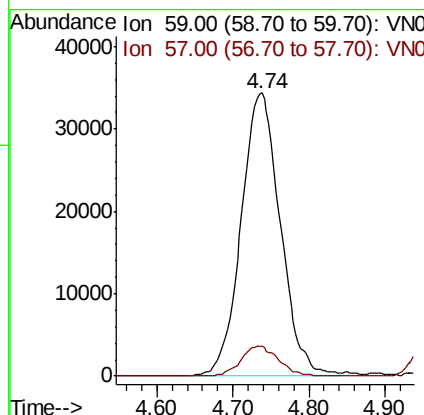
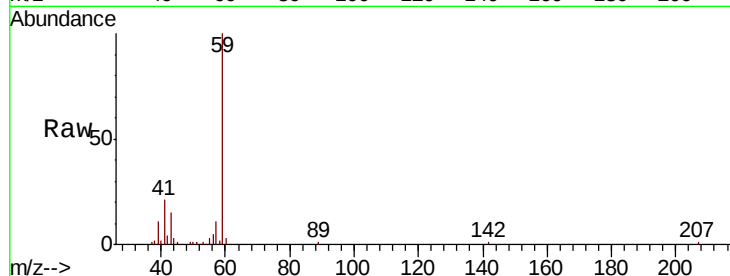


#11

Tert butyl alcohol
Concen: 236.911 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

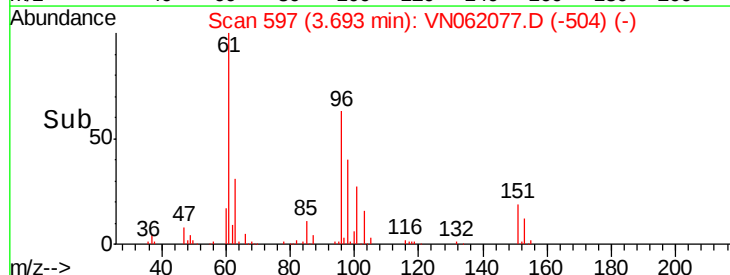
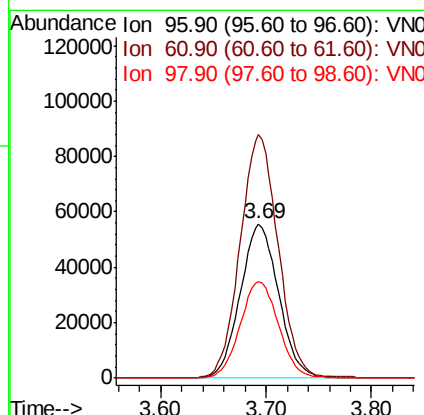
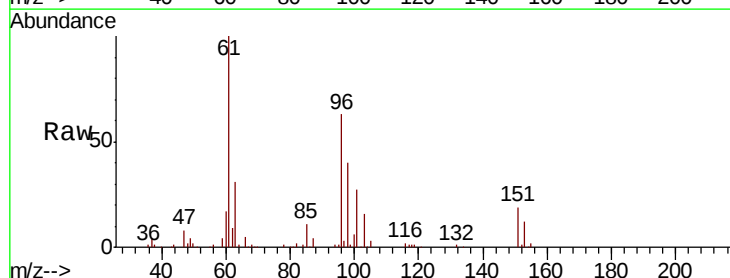
Tot Ion: 59 Resp: 123137
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

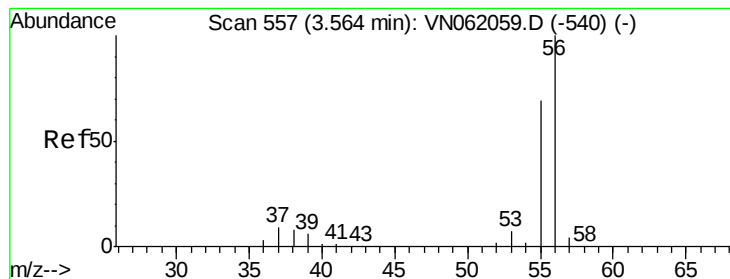


#12

1,1-Dichloroethene
Concen: 47.449 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 96 Resp: 140546
Ion Ratio Lower Upper
96 100
61 158.1 126.7 190.1
98 62.9 51.0 76.4





#13

Acrolein

Concen: 224.499 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

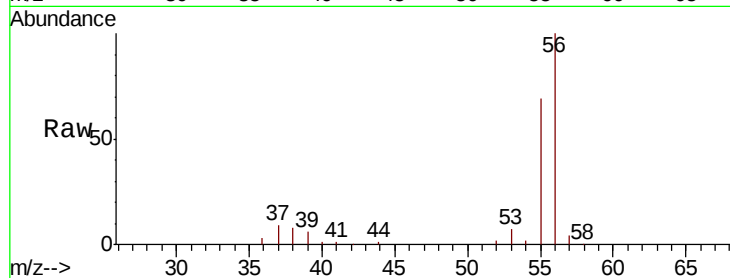
VSTDCCC050EC

Tot Ion: 56 Resp: 114242

Ion Ratio Lower Upper

56 100

55 69.0 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN062059.D (-540) (-)

3.56

50000

40000

30000

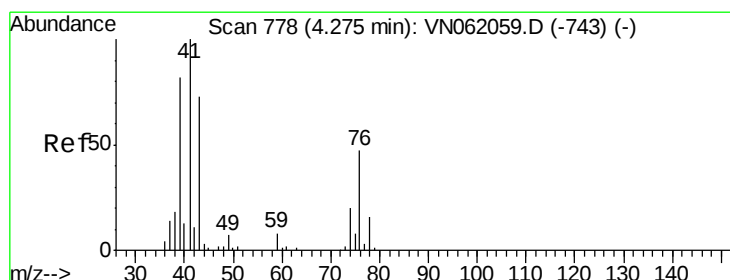
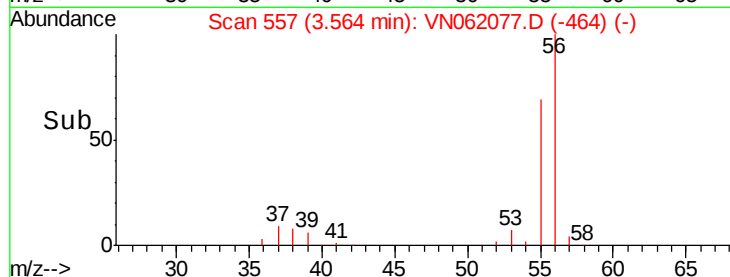
20000

10000

0

Time-->

3.45 3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 48.008 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

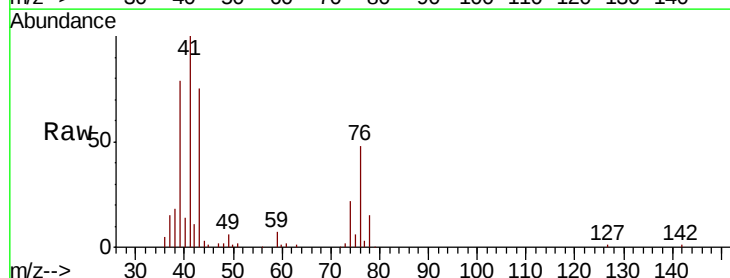
Tgt Ion: 41 Resp: 193604

Ion Ratio Lower Upper

41 100

39 74.0 60.0 90.0

76 42.9 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-743) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-743) (-)

Ion 75.90 (75.60 to 76.60): VN062059.D (-743) (-)

4.27

80000

60000

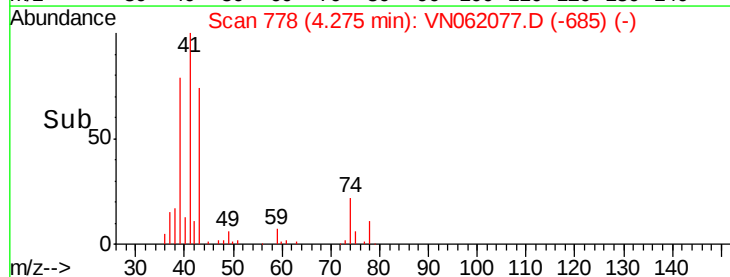
40000

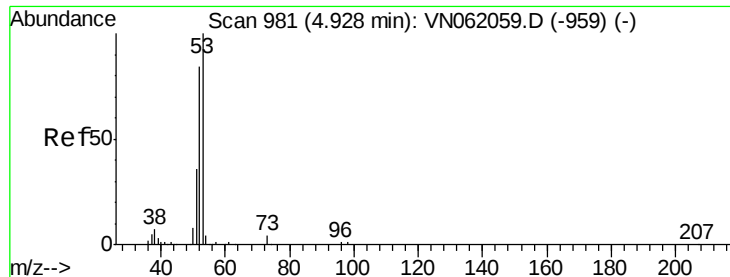
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 241.994 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

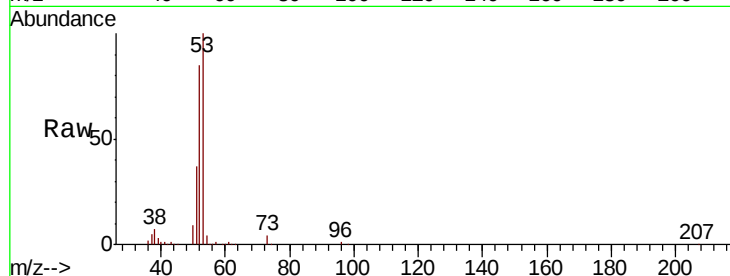
Tot Ion: 53 Resp: 342752

Ion Ratio Lower Upper

53 100

52 84.3 66.2 99.4

51 36.3 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN062059.D (-959) (-)

Ion 52.00 (51.70 to 52.70): VN062059.D (-959) (-)

Ion 51.00 (50.70 to 51.70): VN062059.D (-959) (-)

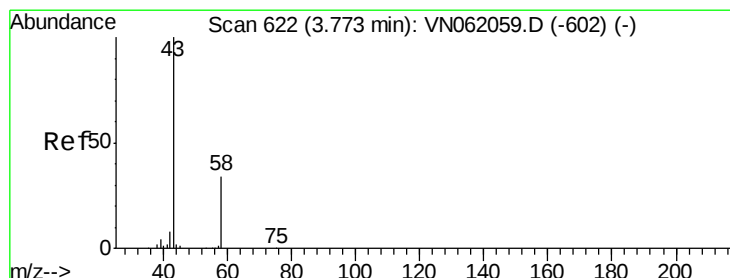
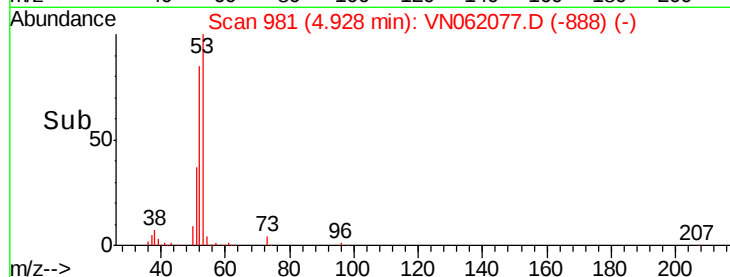
4.93

100000

50000

0

Time-->



#16

Acetone

Concen: 238.686 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN062077.D

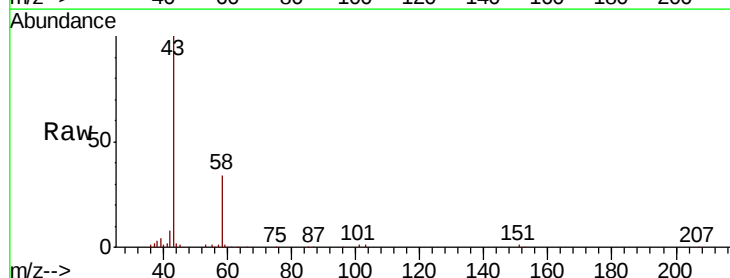
Acq: 24 Jun 2020 21:02

Tgt Ion: 43 Resp: 271424

Ion Ratio Lower Upper

43 100

58 33.8 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-602) (-)

3.77

120000

100000

80000

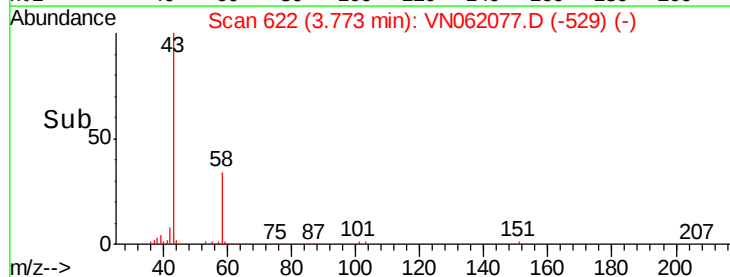
60000

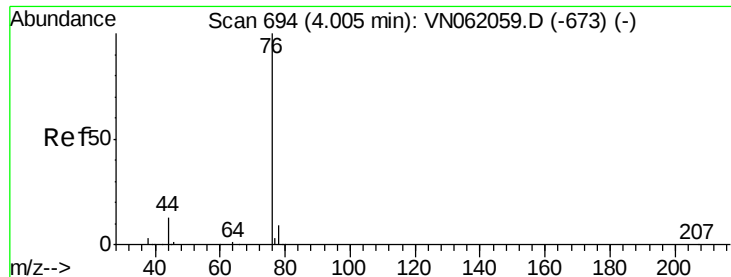
40000

20000

0

Time-->





#17

Carbon Disulfide

Concen: 48.776 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

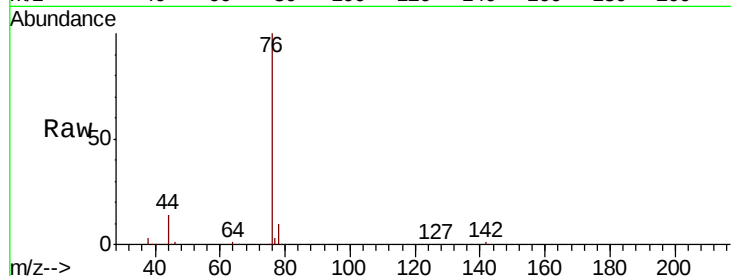
VSTDCCC050EC

Tot Ion: 76 Resp: 413804

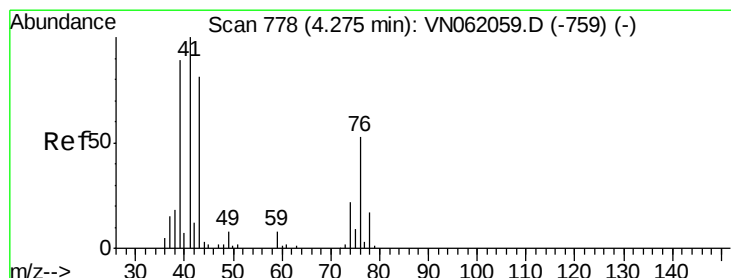
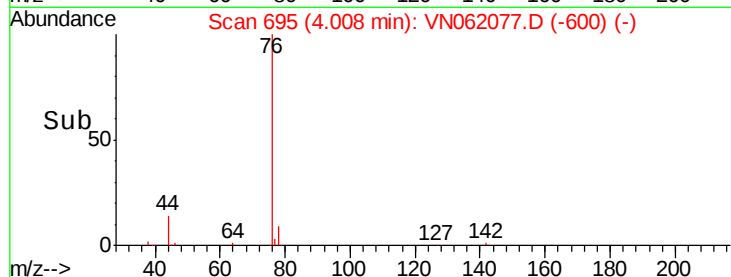
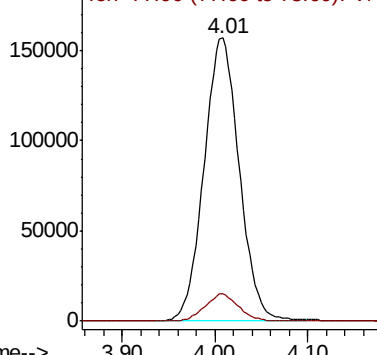
Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 47.327 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062077.D

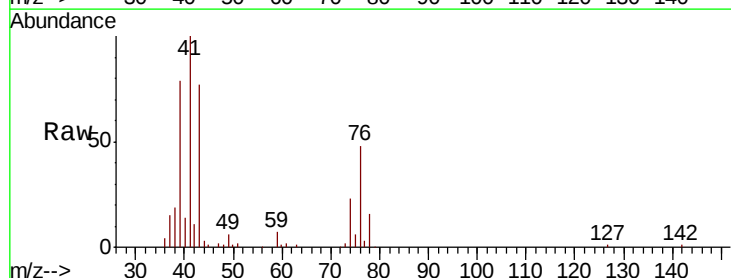
Acq: 24 Jun 2020 21:02

Tgt Ion: 43 Resp: 136193

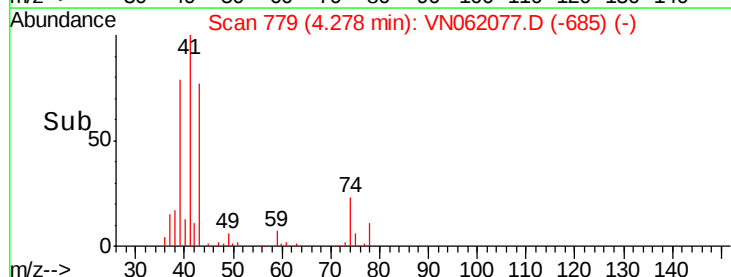
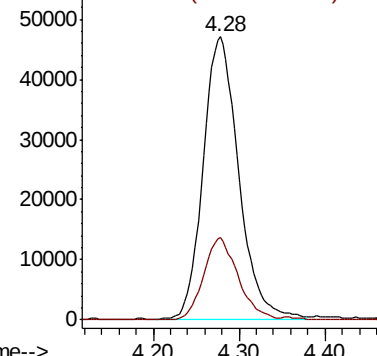
Ion Ratio Lower Upper

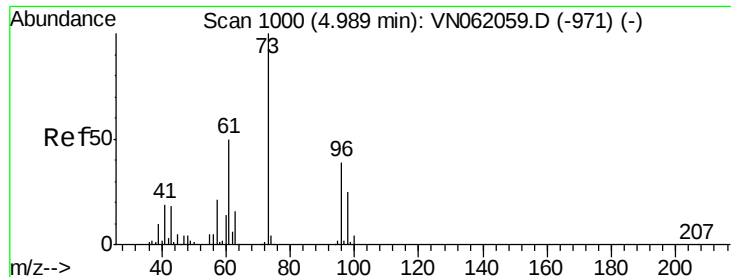
43 100

74 28.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

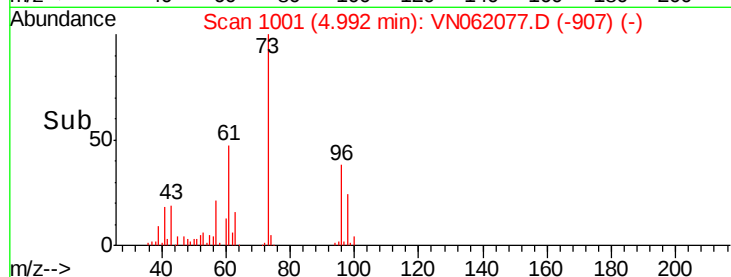
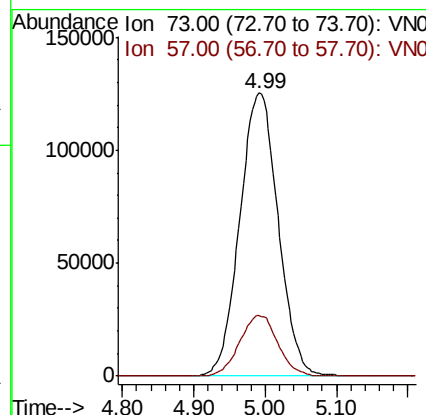
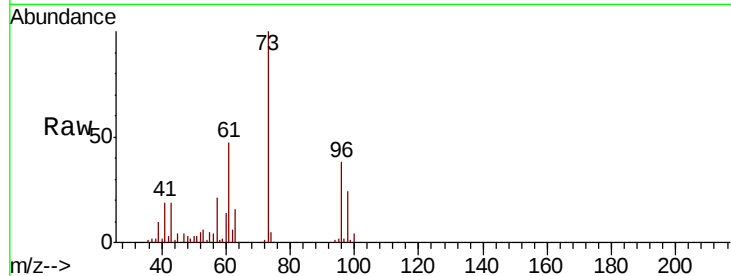




#19
Methyl tert-butyl Ether
Concen: 49.641 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

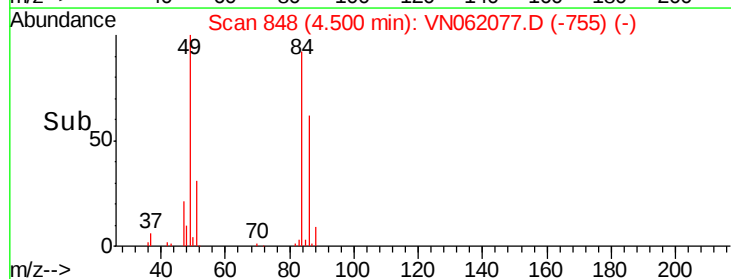
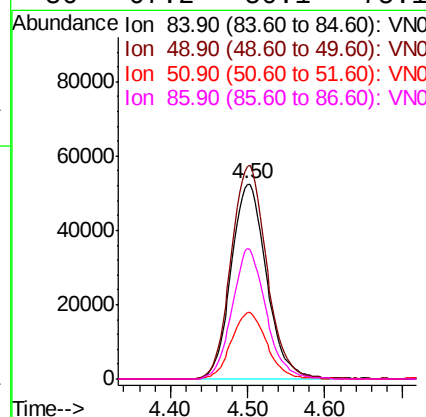
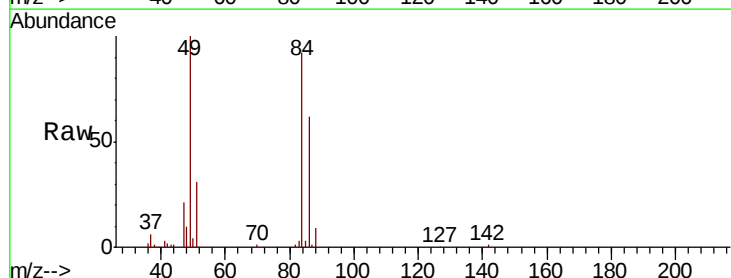
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 469848
Ion Ratio Lower Upper
73 100
57 21.3 16.6 24.8



#20
Methylene Chloride
Concen: 50.029 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 84 Resp: 166256
Ion Ratio Lower Upper
84 100
49 109.3 90.6 136.0
51 34.1 27.8 41.8
86 67.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 46.002 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

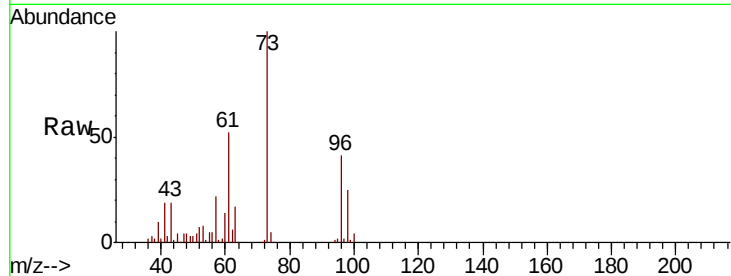
Tot Ion: 96 Resp: 155225

Ion Ratio Lower Upper

96 100

61 127.1 101.4 152.2

98 62.1 49.3 73.9

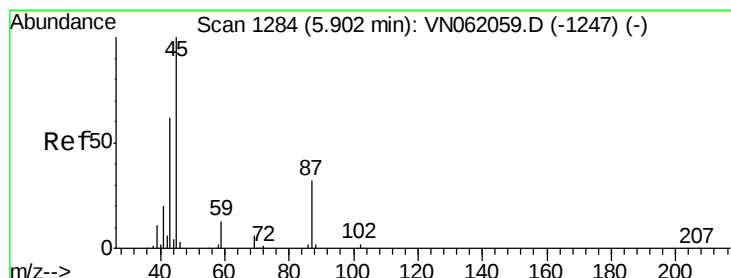
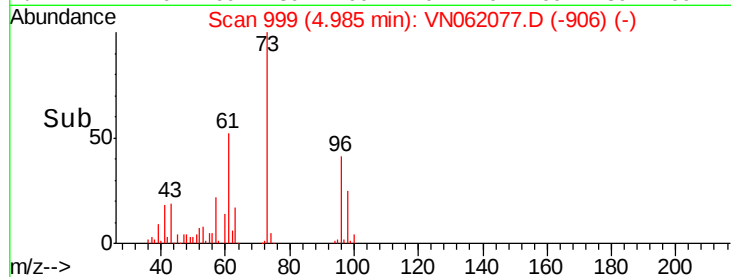
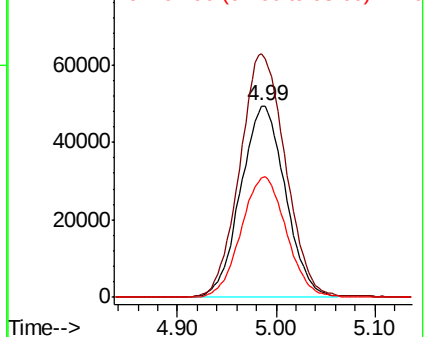


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.919 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Tgt Ion: 45 Resp: 440002

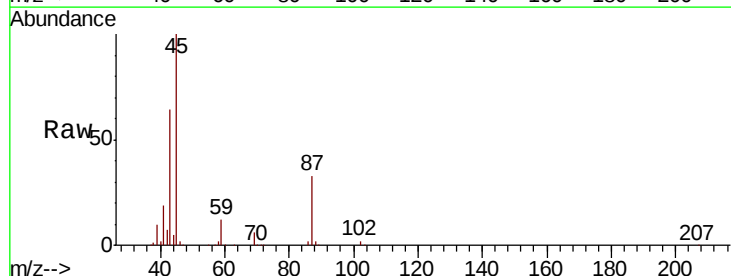
Ion Ratio Lower Upper

45 100

43 62.0 49.7 74.5

87 33.2 25.9 38.9

59 12.1 10.6 16.0



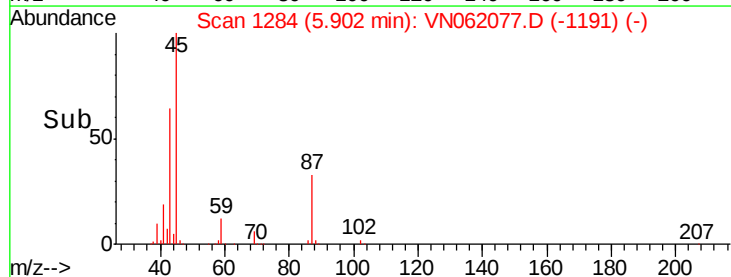
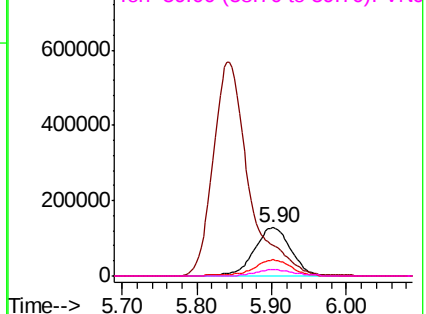
Abundance

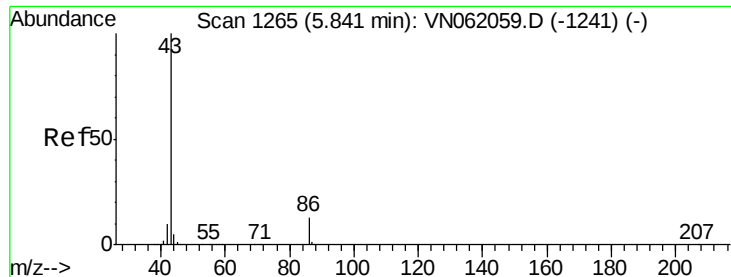
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 250.685 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

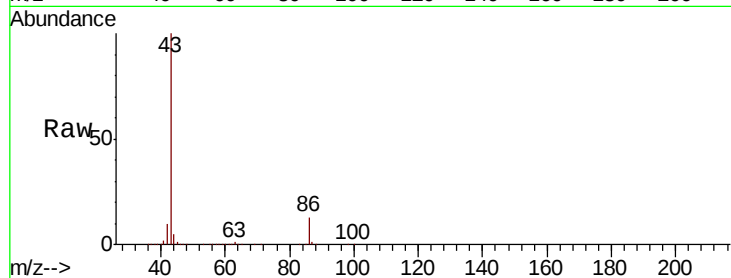
VSTDCCC050EC

Tot Ion: 43 Resp: 1879320

Ion Ratio Lower Upper

43 100

86 12.8 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VN062077.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062077.D (-1172) (-)

5.84

600000

500000

400000

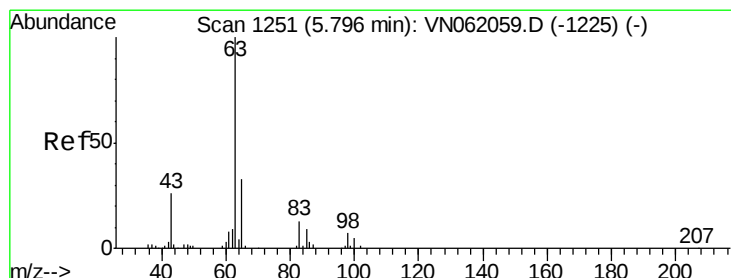
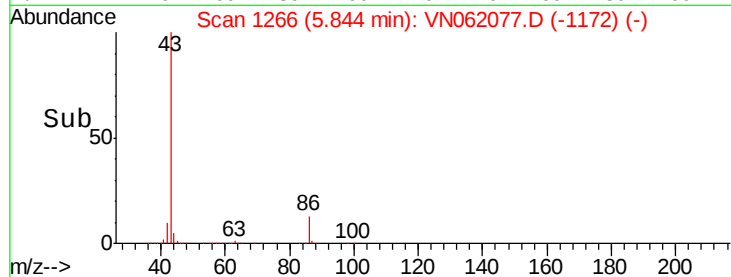
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.525 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

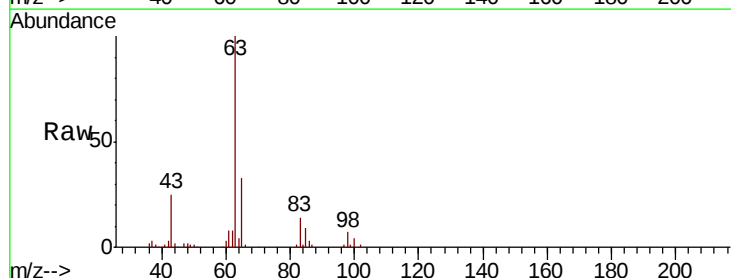
Tgt Ion: 63 Resp: 275095

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062077.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062077.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062077.D (-1158) (-)

5.80

100000

80000

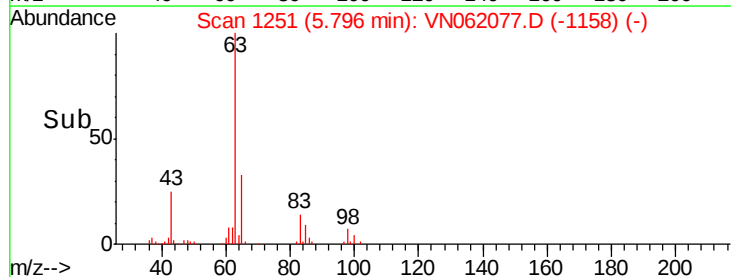
60000

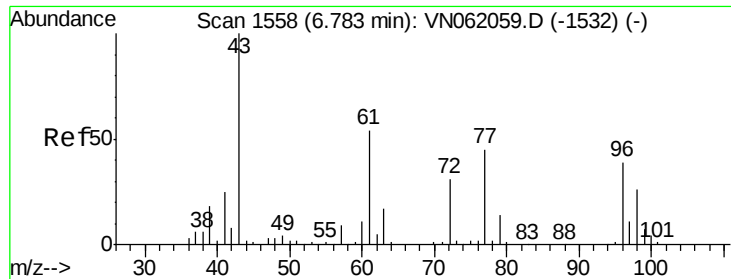
40000

20000

0

Time-->

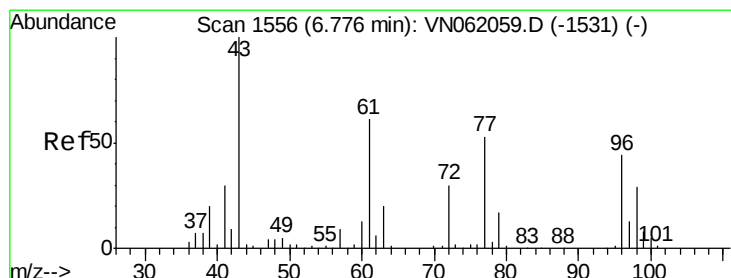
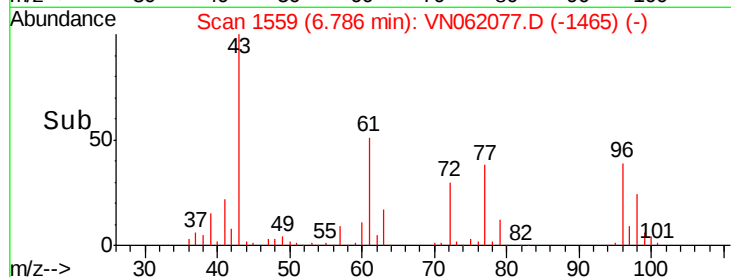
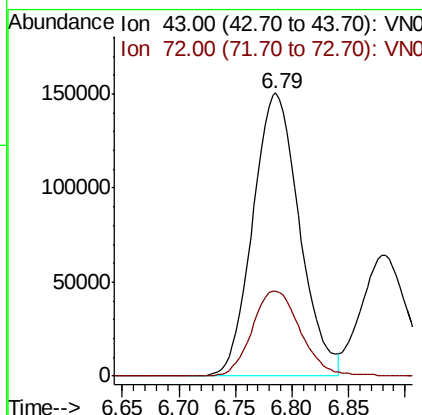
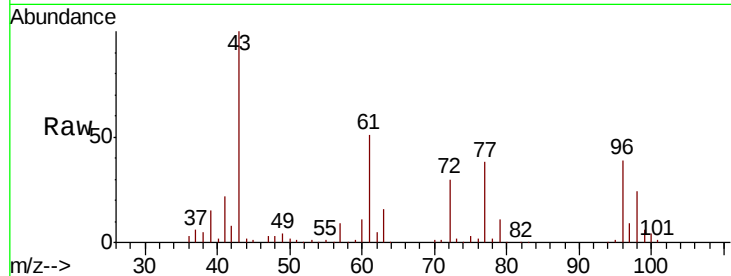




#25
2-Butanone
Concen: 242.618 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

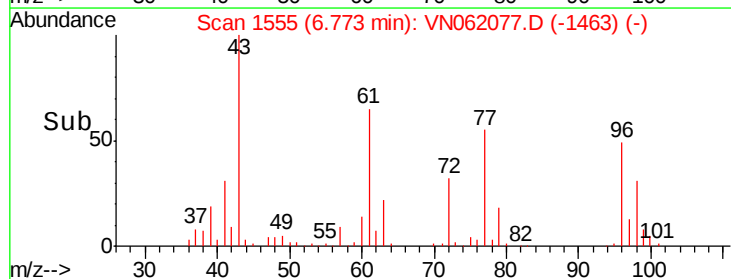
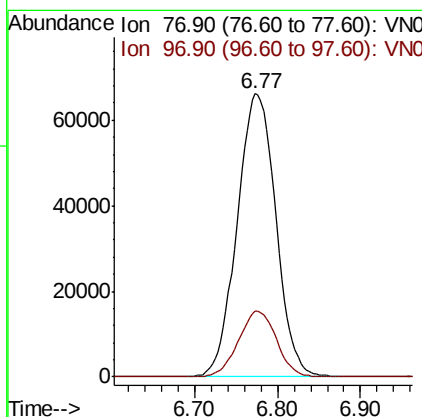
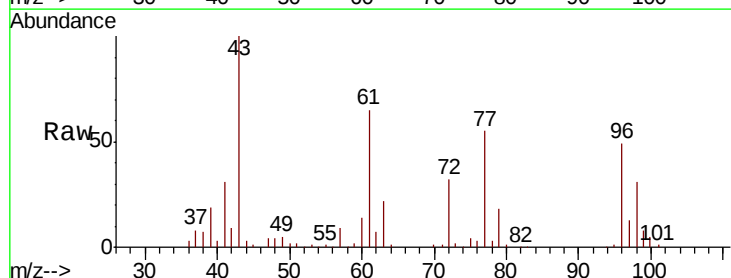
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

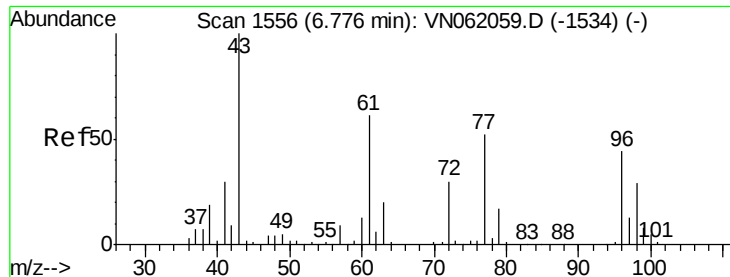
Tot Ion: 43 Resp: 429297
Ion Ratio Lower Upper
43 100
72 29.9 24.8 37.2



#26
2,2-Dichloropropane
Concen: 43.669 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 77 Resp: 215165
Ion Ratio Lower Upper
77 100
97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.393 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

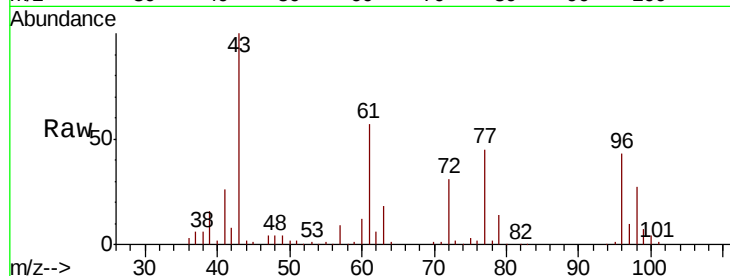
Tot Ion: 96 Resp: 179952

Ion Ratio Lower Upper

96 100

61 134.8 0.0 280.4

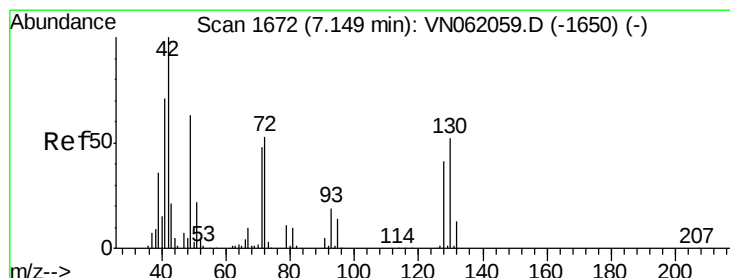
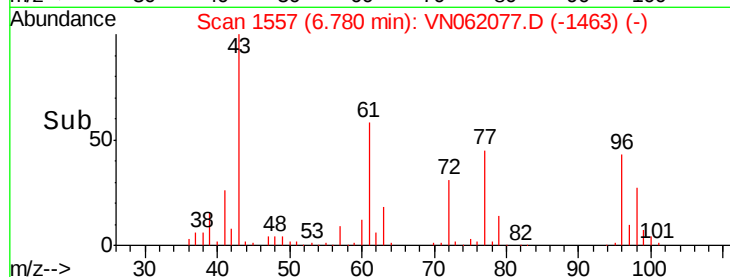
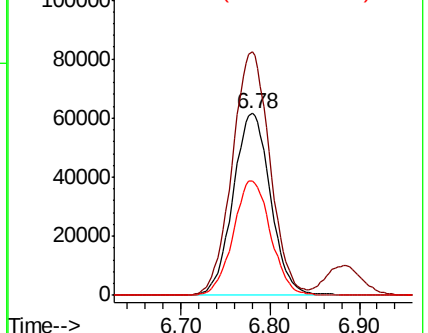
98 62.7 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062059.D (-1534) (-)

Ion 60.90 (60.60 to 61.60): VN062059.D (-1534) (-)

Ion 97.90 (97.60 to 98.60): VN062059.D (-1534) (-)



#28

Bromochloromethane

Concen: 48.107 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

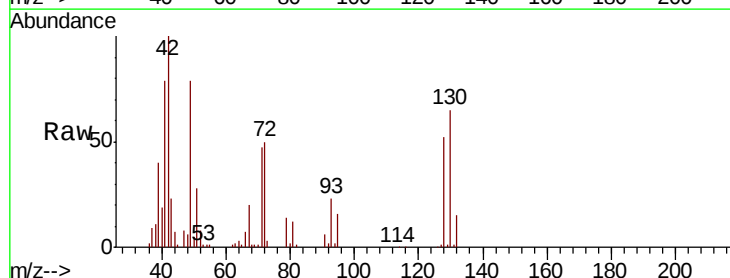
Tgt Ion: 49 Resp: 123415

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.4

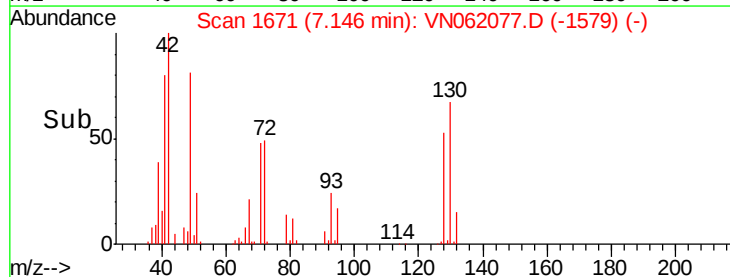
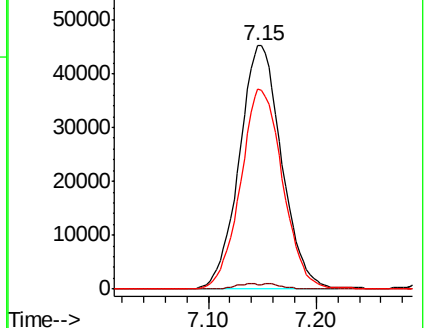
130 81.5 65.5 98.3

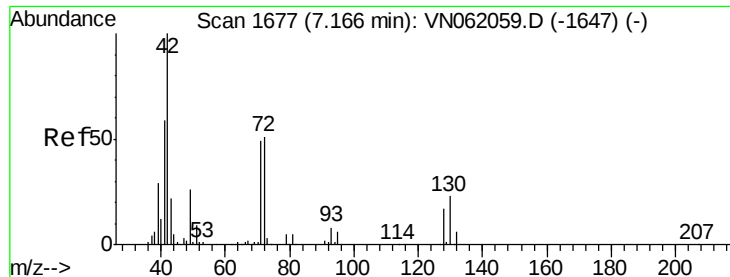


Abundance Ion 48.90 (48.60 to 49.60): VN062059.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN062059.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN062059.D (-1650) (-)

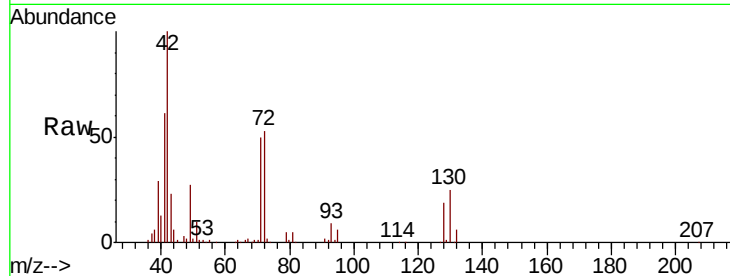




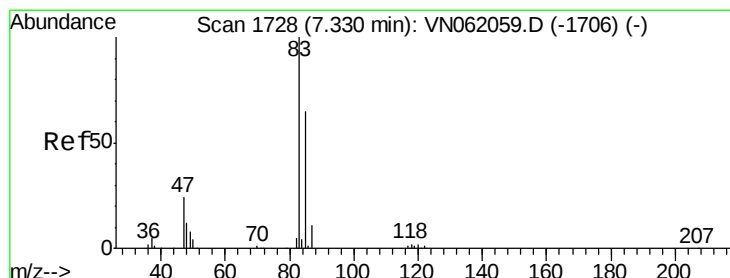
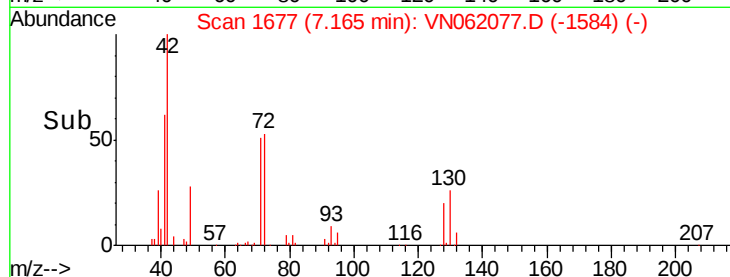
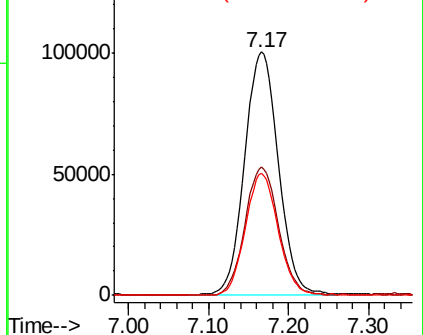
#29
Tetrahydrofuran
Concen: 250.346 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 290167
Ion Ratio Lower Upper
42 100
72 52.1 41.1 61.7
71 48.2 38.2 57.4

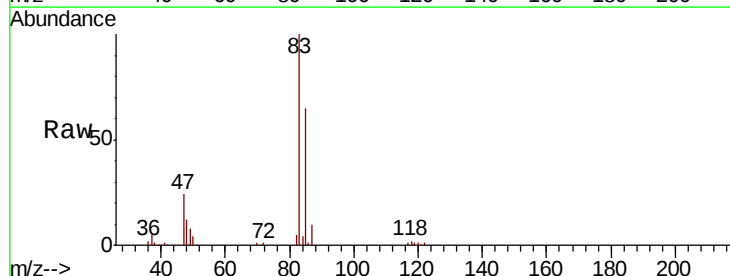


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

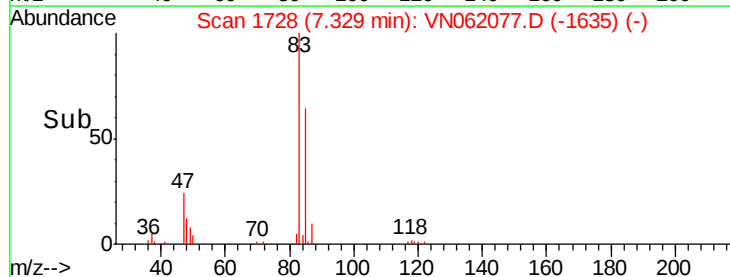
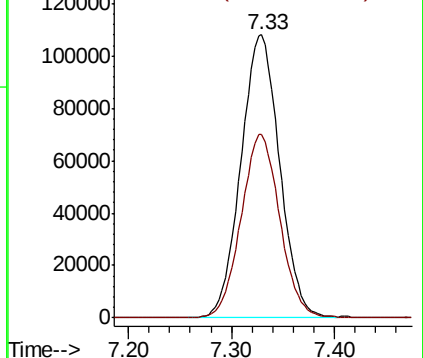


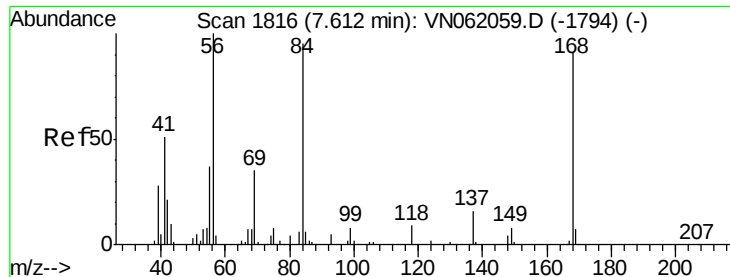
#30
Chloroform
Concen: 46.888 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 83 Resp: 282068
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5



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





#31

Cyclohexane

Concen: 46.864 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

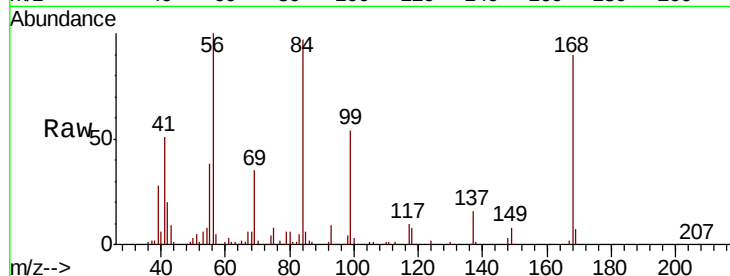
Tot Ion: 56 Resp: 234386

Ion Ratio Lower Upper

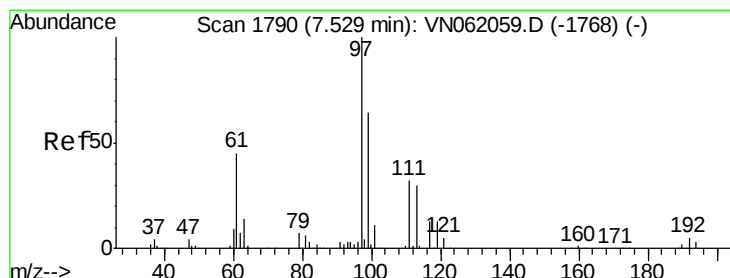
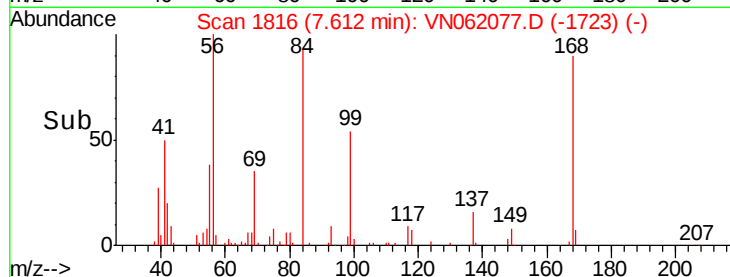
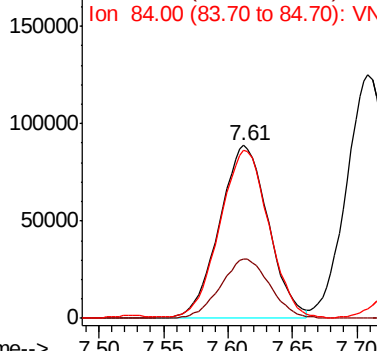
56 100

69 34.5 28.0 42.0

84 95.9 76.1 114.1



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



#32

1,1,1-Trichloroethane

Concen: 47.826 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

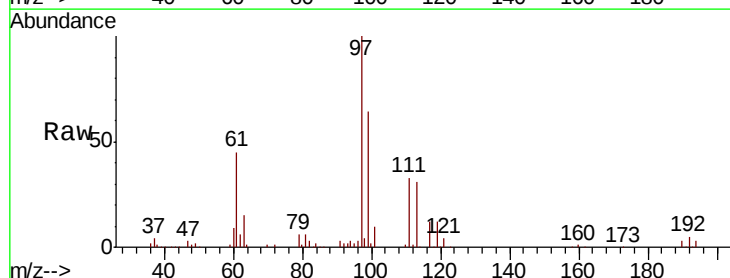
Tgt Ion: 97 Resp: 242637

Ion Ratio Lower Upper

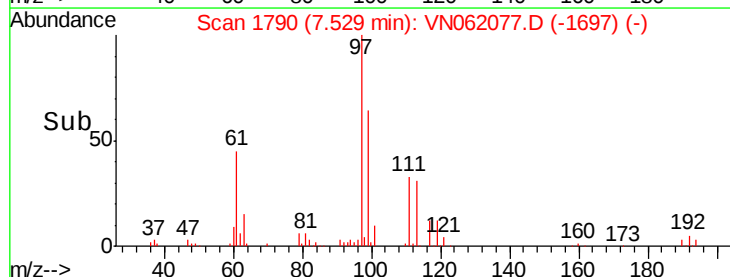
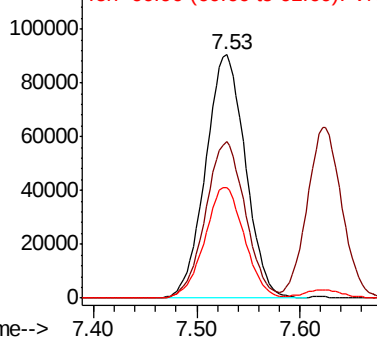
97 100

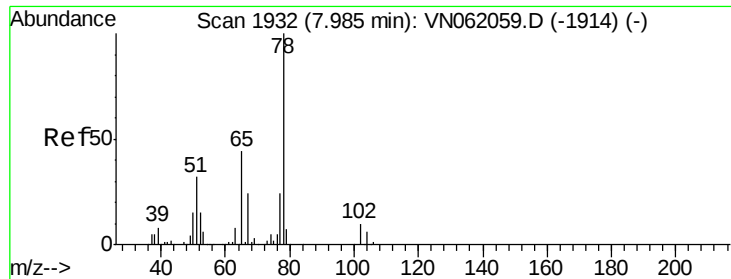
99 64.2 51.0 76.4

61 45.3 36.2 54.2



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

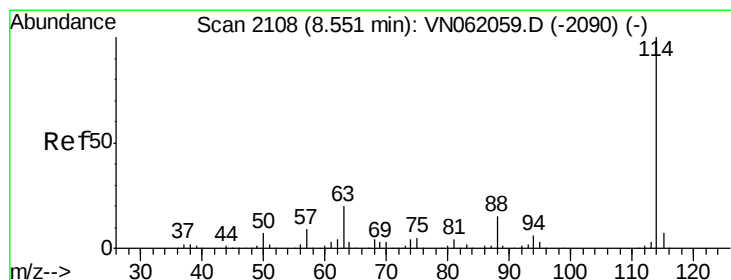
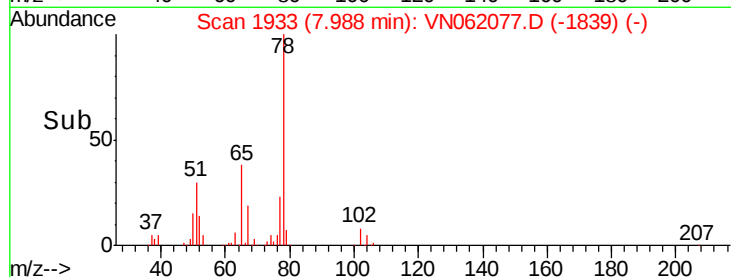
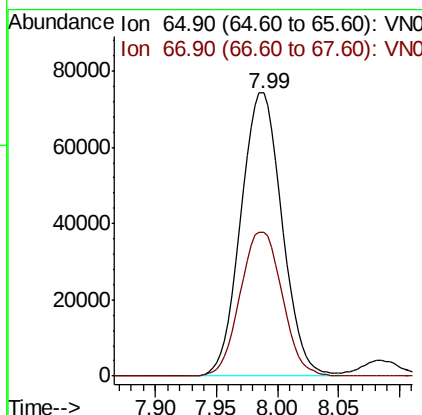
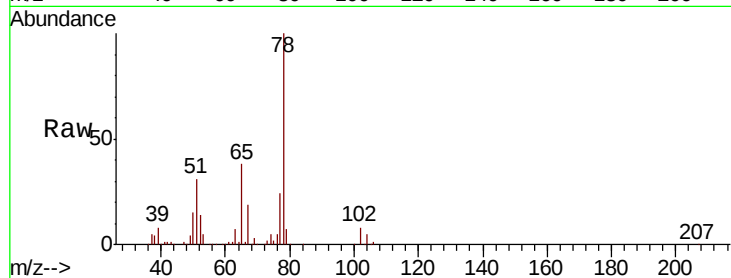




#33
 1,2-Dichloroethane-d4
 Concen: 48.068 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

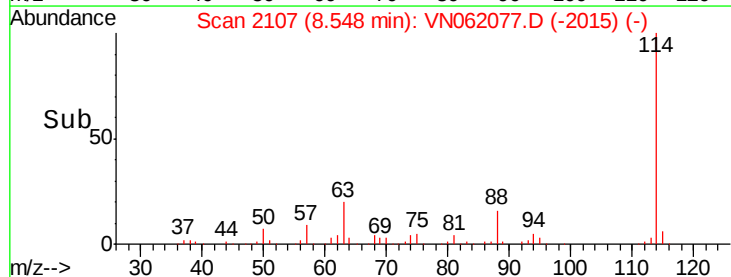
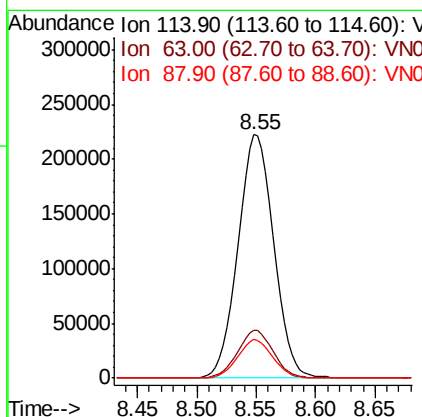
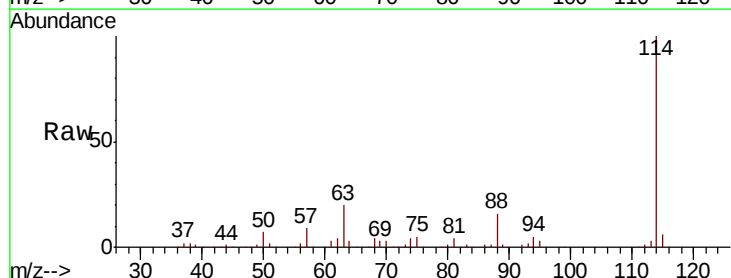
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 174010
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion: 114 Resp: 463443
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 15.8 0.0 30.8

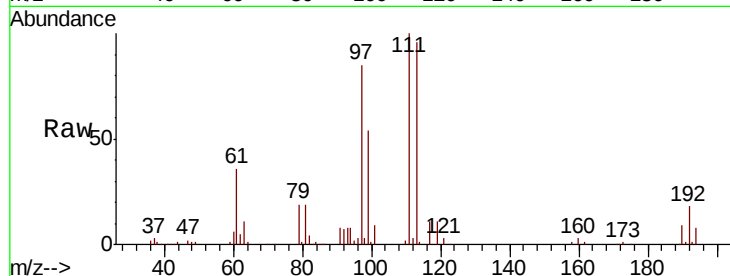




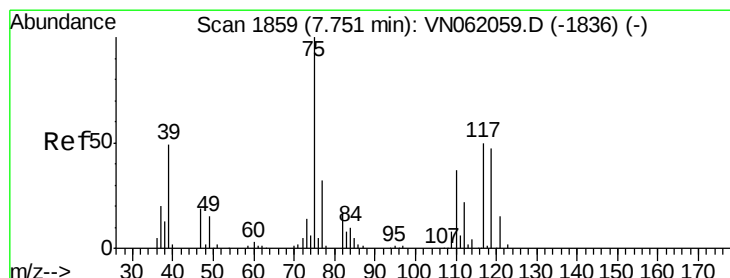
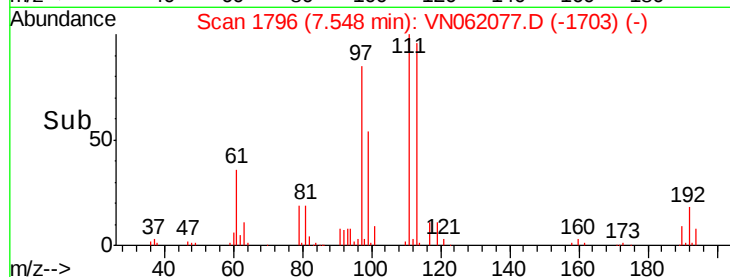
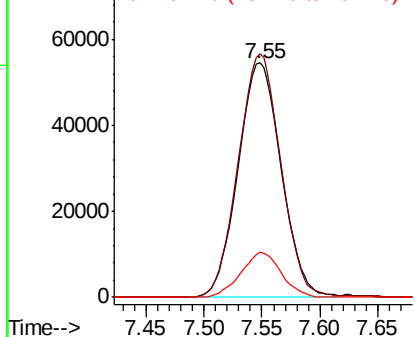
#35
 Dibromofluoromethane
 Concen: 47.482 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	18.0	14.0	21.0

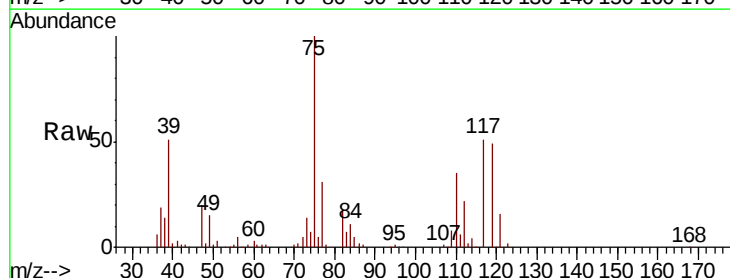


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

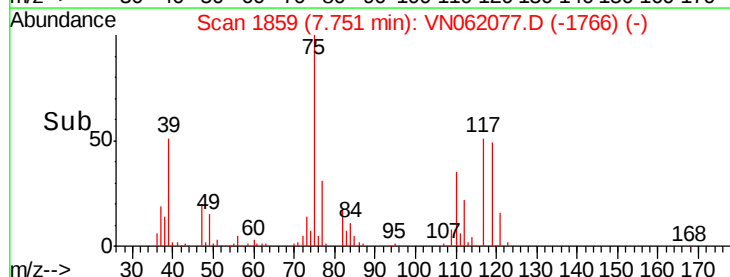
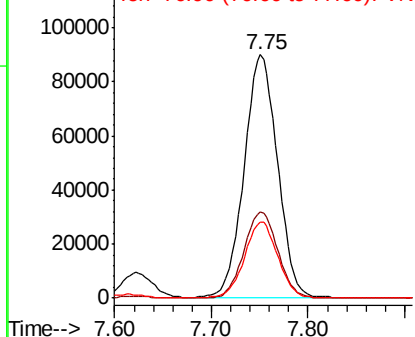


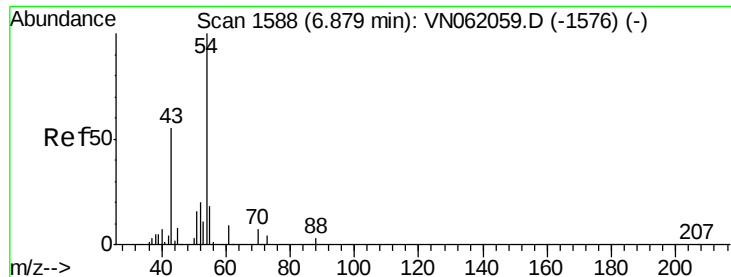
#36
 1,1-Dichloropropene
 Concen: 46.188 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.9	53.8
77	31.5	24.9	37.3



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

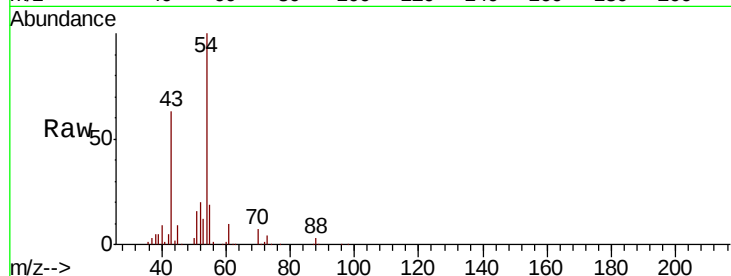




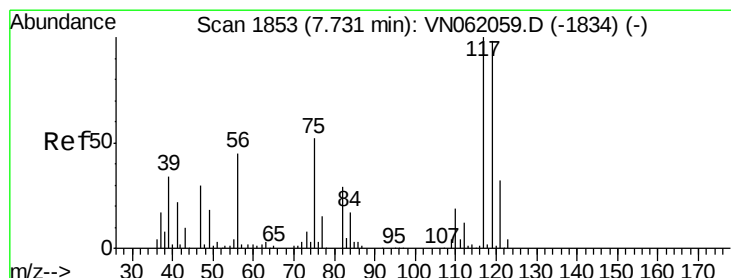
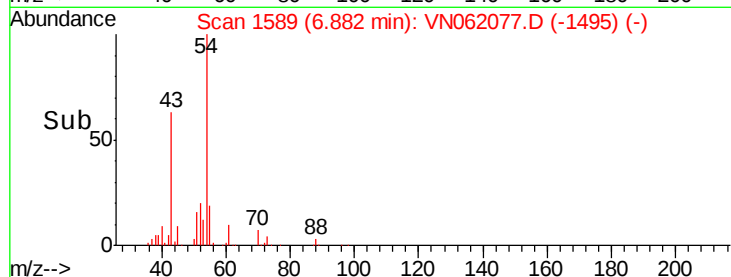
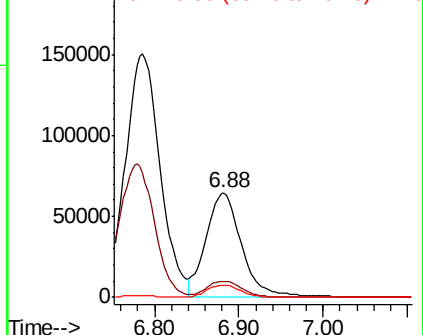
#37
Ethyl Acetate
Concen: 48.344 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 186477
Ion Ratio Lower Upper
43 100
61 15.1 12.0 18.0
70 11.5 9.6 14.4

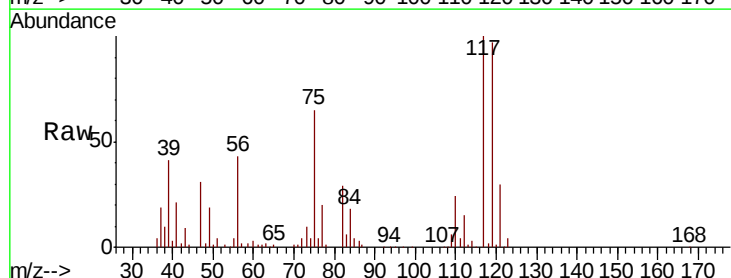


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

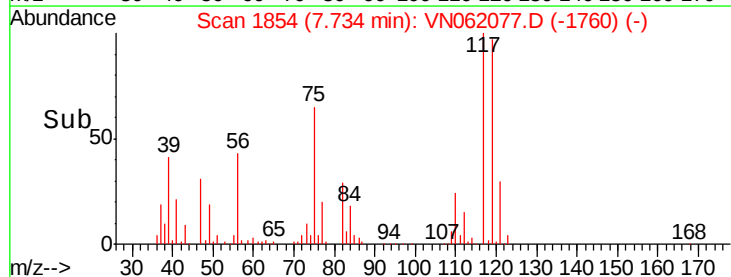
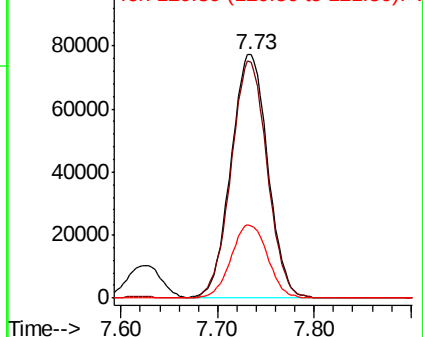


#38
Carbon Tetrachloride
Concen: 46.585 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 117 Resp: 204589
Ion Ratio Lower Upper
117 100
119 97.1 78.2 117.2
121 29.8 25.8 38.6



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

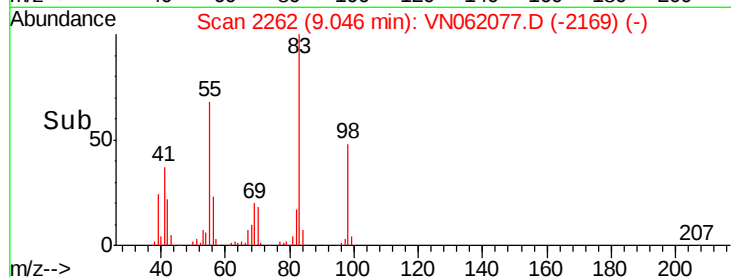
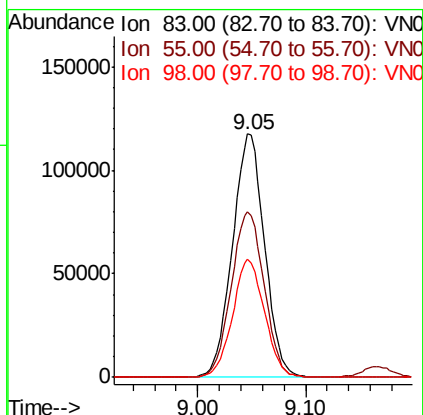
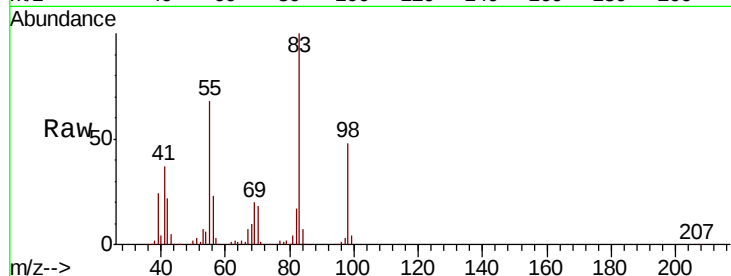




#39
Methvlcvclohexane
Concen: 47.816 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

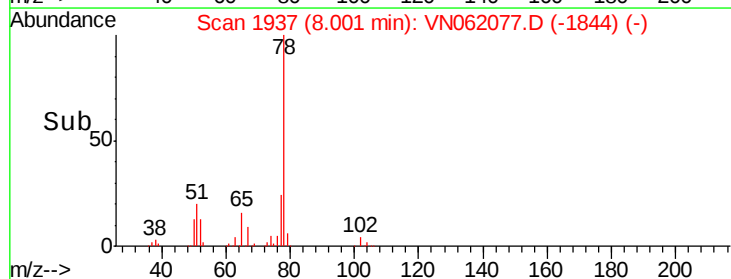
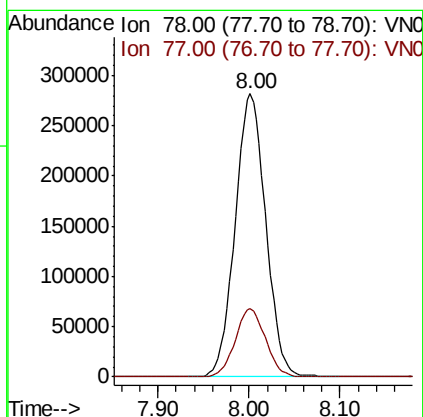
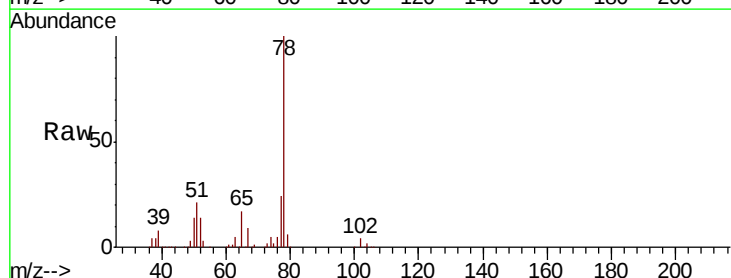
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

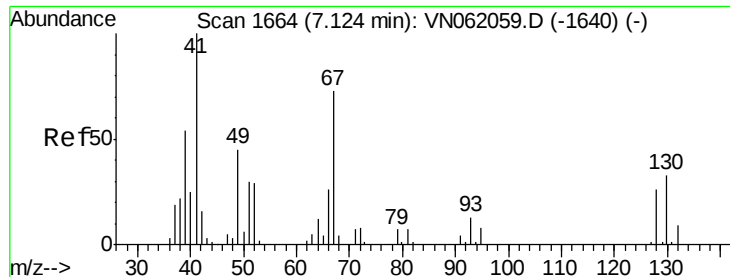
Tot Ion	83	Resp	244055
Ion Ratio	Lower	Upper	
83	100		
55	68.2	57.0	85.6
98	48.4	39.0	58.6



#40
Benzene
Concen: 46.423 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion	78	Resp	659120
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.5	29.3

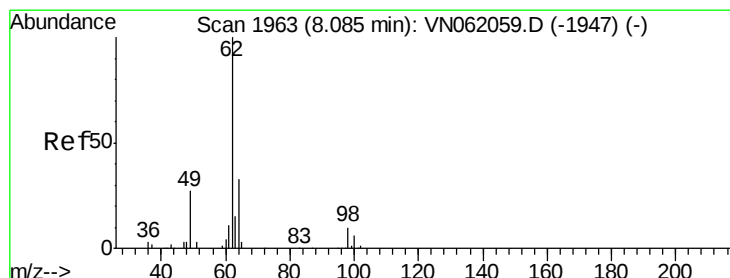
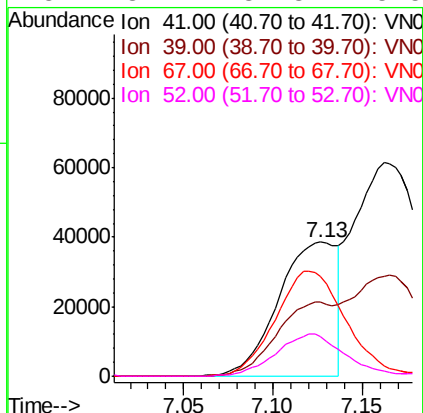
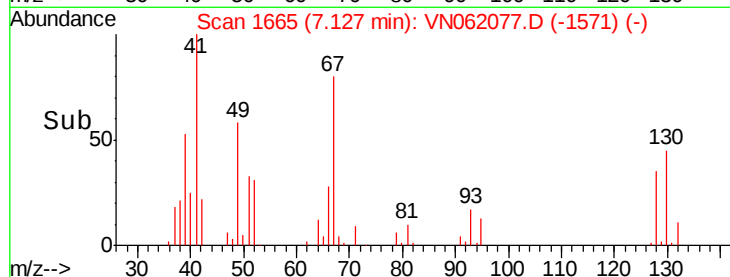
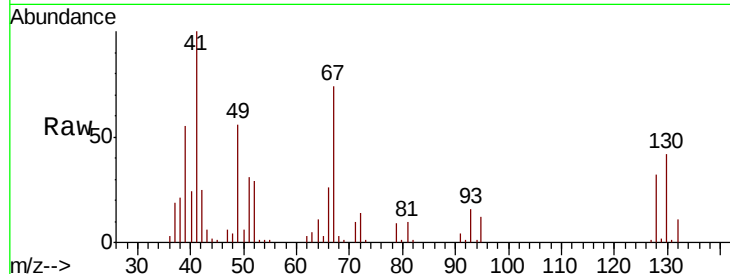




#41
Methacrylonitrile
Concen: 49.430 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

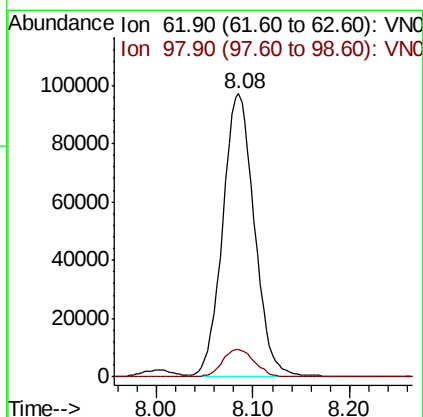
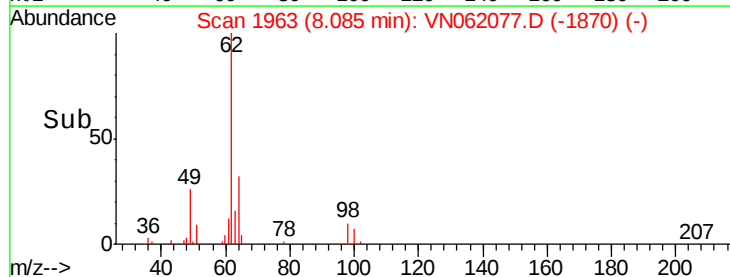
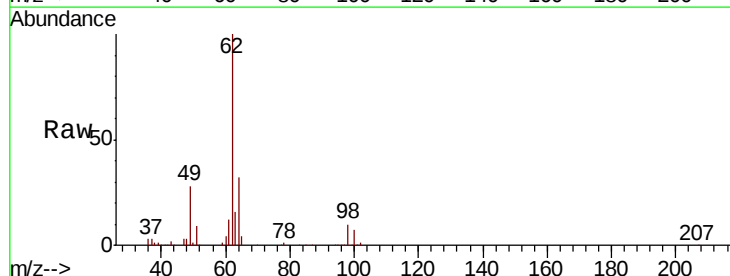
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

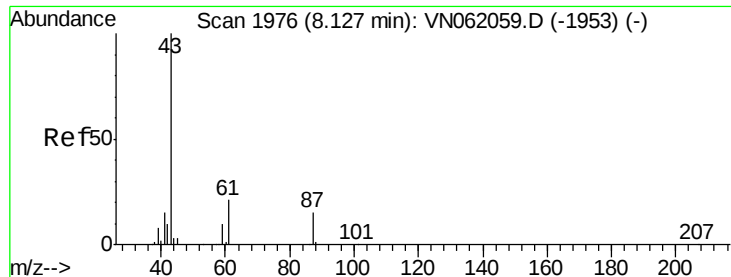
Tot Ion: 41 Resp: 88394
Ion Ratio Lower Upper
41 100
39 51.6 44.2 66.2
67 95.3 79.5 119.3
52 37.7 32.3 48.5



#42
1,2-Dichloroethane
Concen: 45.939 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 62 Resp: 220375
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 49.083 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

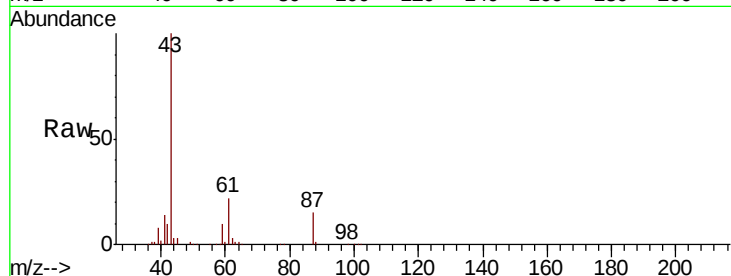
Tot Ion: 43 Resp: 308636

Ion Ratio Lower Upper

43 100

61 23.0 17.2 25.8

87 15.5 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062059.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062059.D (-1953) (-)

8.13

150000

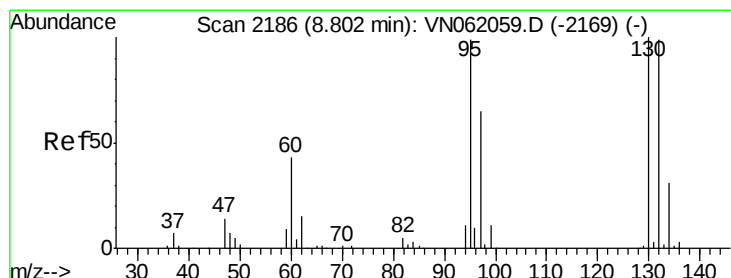
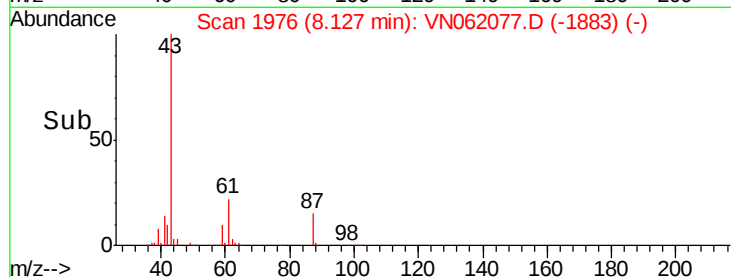
100000

50000

0

8.05 8.10 8.15 8.20

Time-->



#44

Trichloroethene

Concen: 45.723 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062077.D

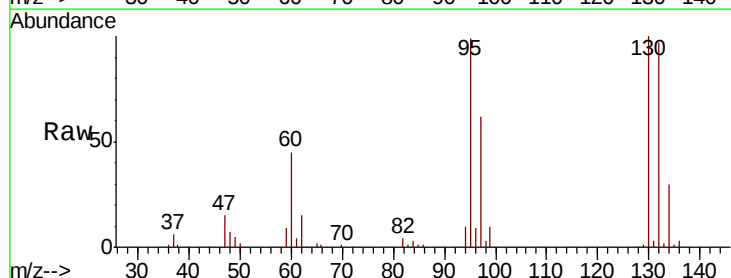
Acq: 24 Jun 2020 21:02

Tgt Ion:130 Resp: 163760

Ion Ratio Lower Upper

130 100

95 98.5 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062059.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN062059.D (-2169) (-)

8.80

80000

60000

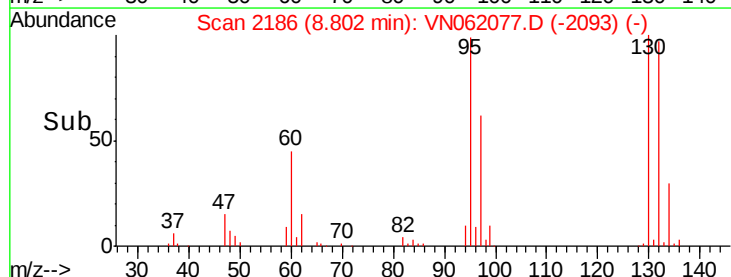
40000

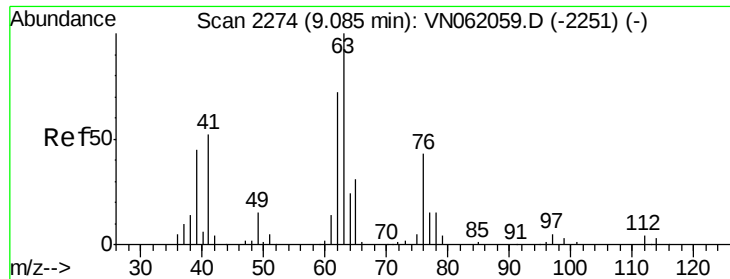
20000

0

8.70 8.75 8.80 8.85 8.90

Time-->

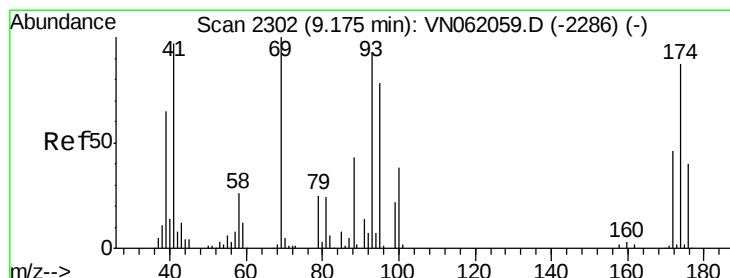
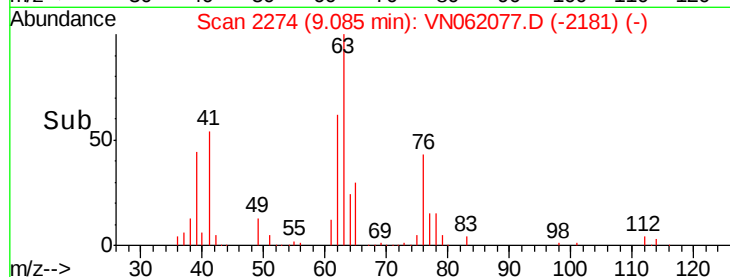
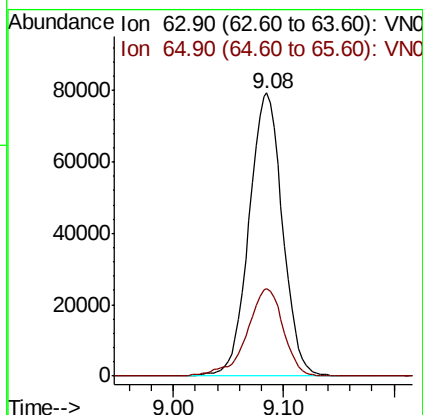
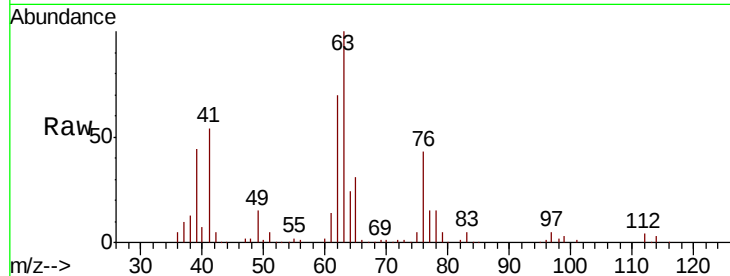




#45
 1,2-Dichloropropane
 Concen: 47.552 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

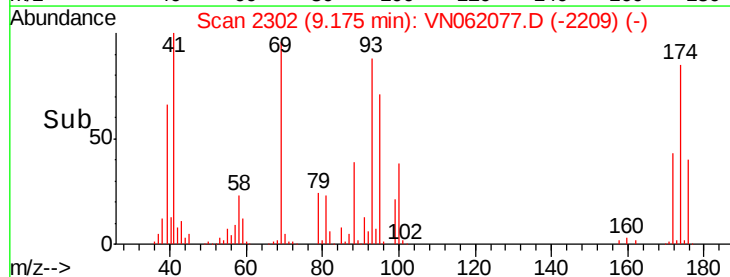
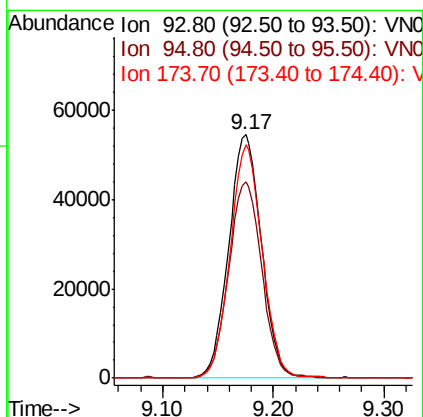
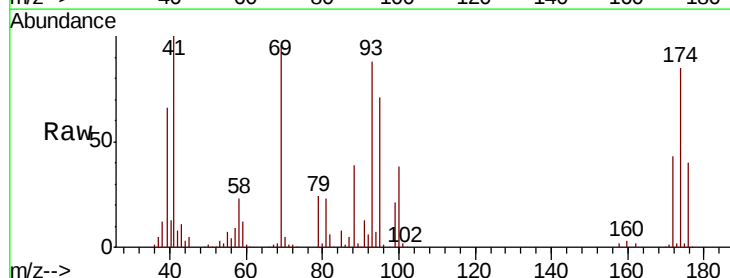
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 166566
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4



#46
 Dibromomethane
 Concen: 47.268 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion: 93 Resp: 112258
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.0 100.6
 174 94.1 74.4 111.6

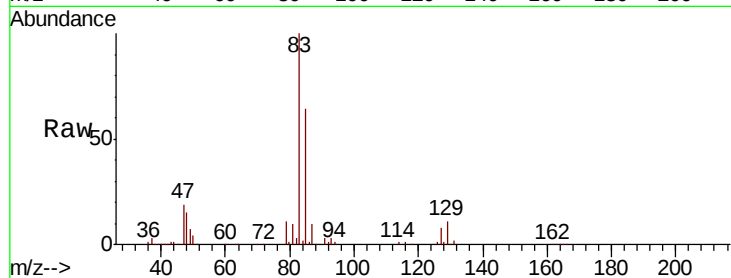




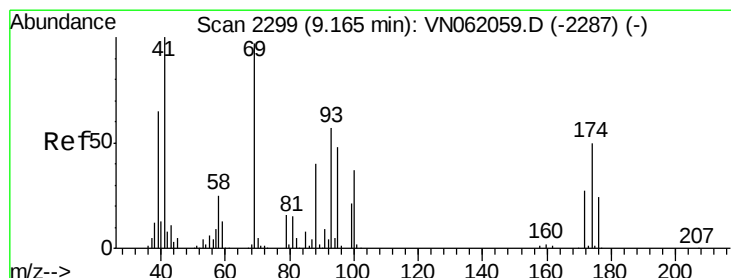
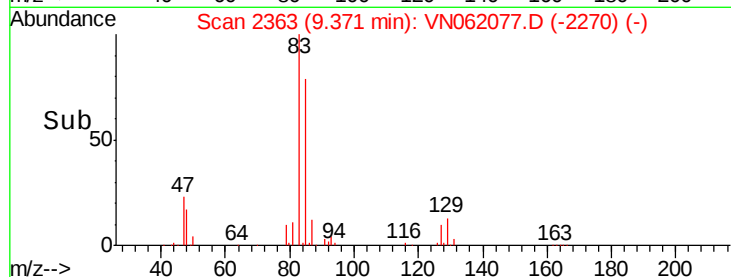
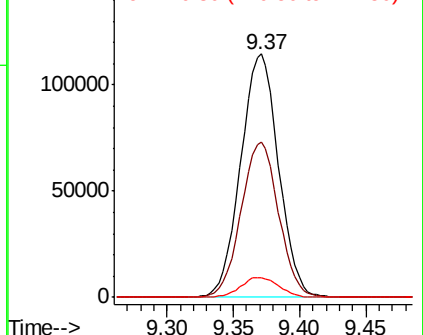
#47
Bromodichloromethane
Concen: 47.428 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 227430
Ion Ratio Lower Upper
83 100
85 64.0 50.3 75.5
127 7.8 6.9 10.3

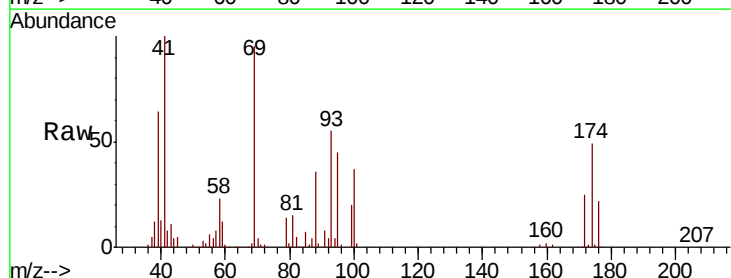


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

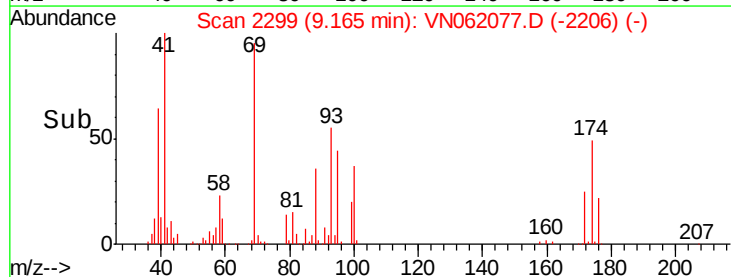
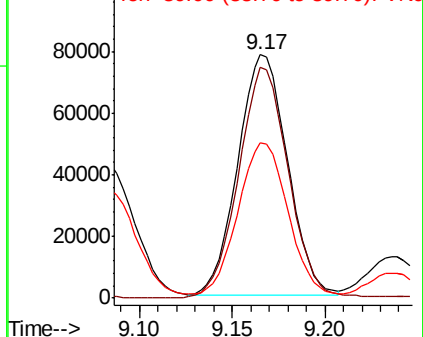


#48
Methyl methacrylate
Concen: 51.322 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 41 Resp: 144696
Ion Ratio Lower Upper
41 100
69 96.7 80.7 121.1
39 66.1 54.5 81.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

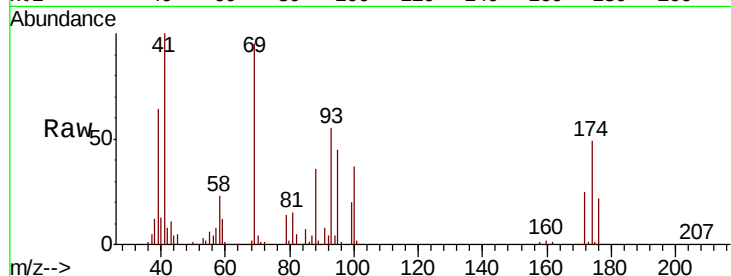




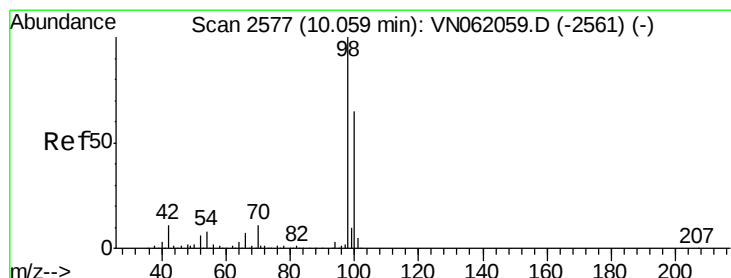
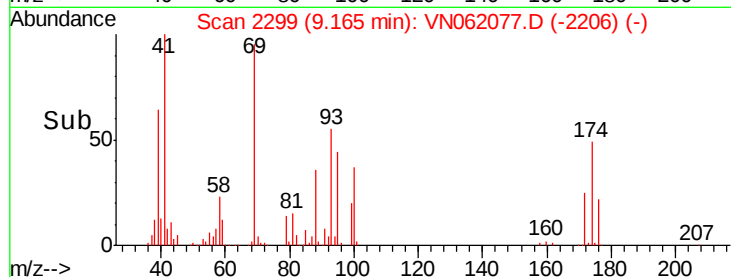
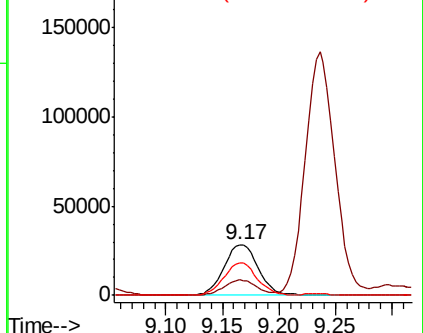
#49
1,4-Dioxane
Concen: 967.413 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 60486
Ion Ratio Lower Upper
88 100
43 29.2 22.0 33.0
58 62.2 49.2 73.8

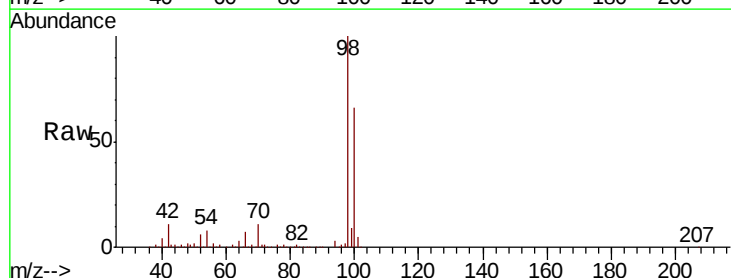


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

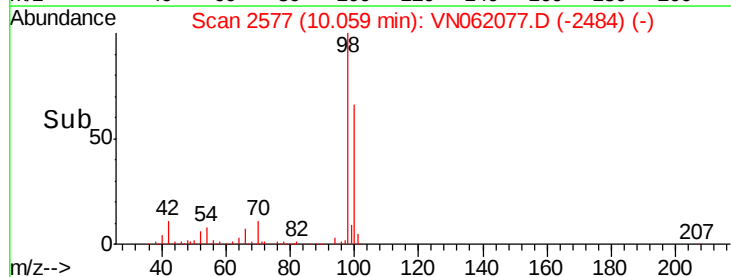
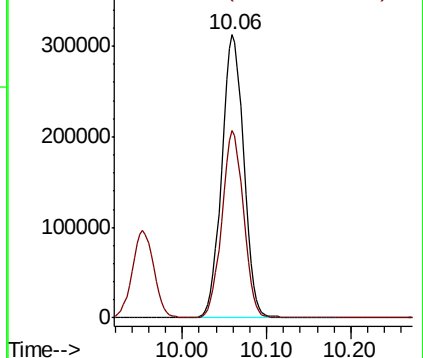


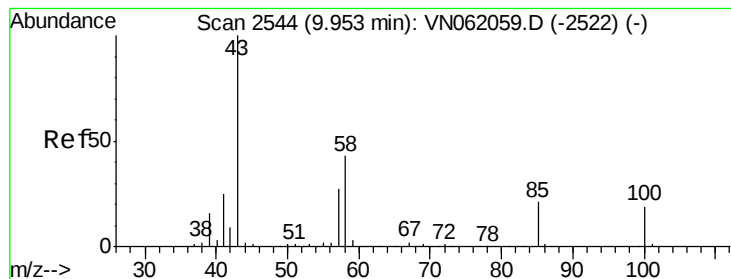
#50
Toluene-d8
Concen: 47.633 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 98 Resp: 566109
Ion Ratio Lower Upper
98 100
100 65.2 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 255.056 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

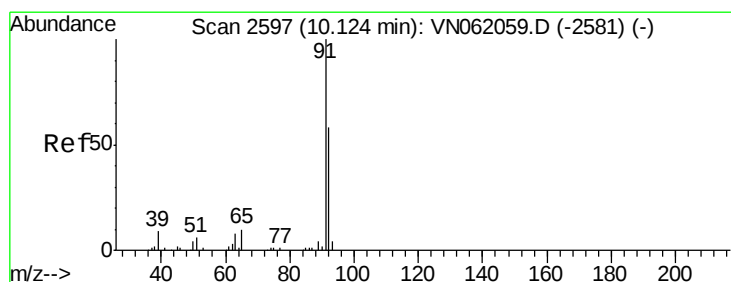
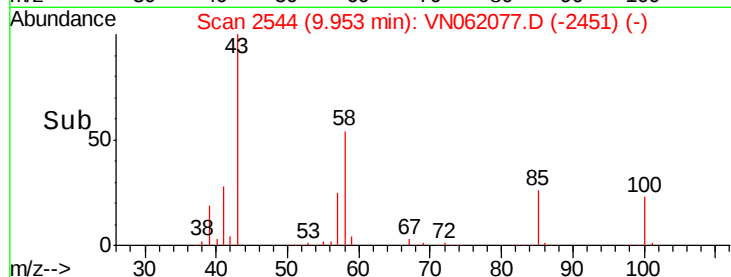
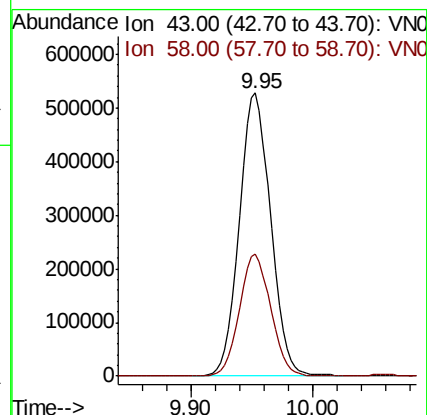
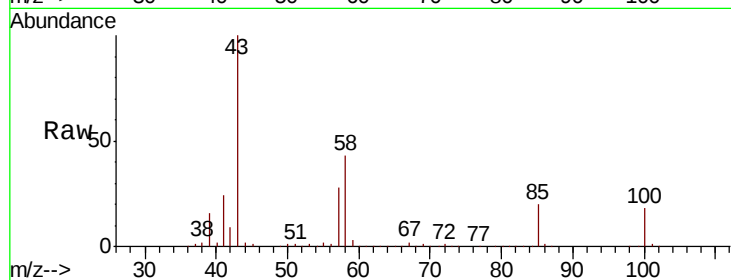
VSTDCCC050EC

Tot Ion: 43 Resp: 937035

Ion Ratio Lower Upper

43 100

58 43.0 34.2 51.2



#52

Toluene

Concen: 48.818 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062077.D

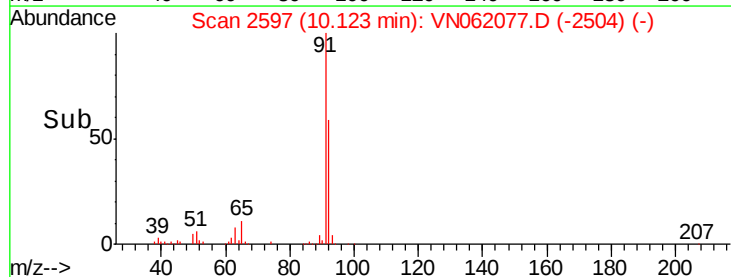
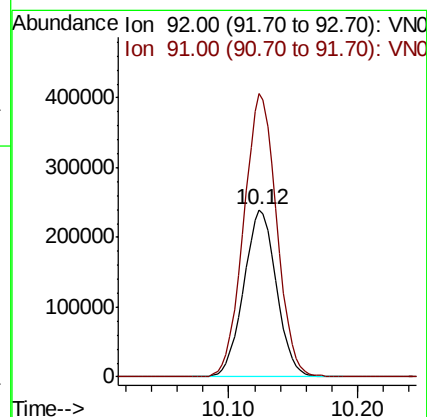
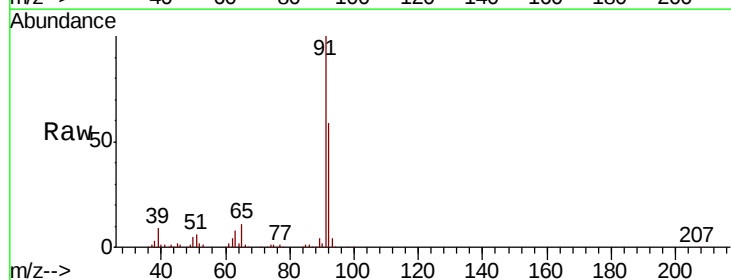
Acq: 24 Jun 2020 21:02

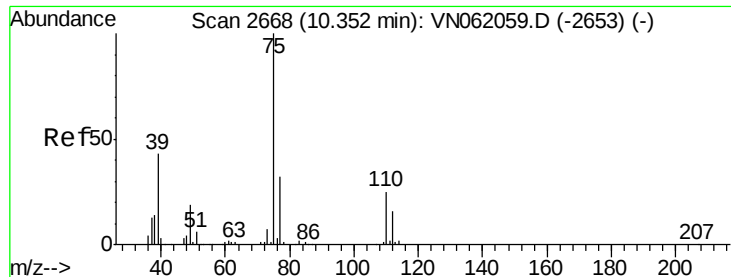
Tgt Ion: 92 Resp: 422917

Ion Ratio Lower Upper

92 100

91 171.1 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 47.595 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

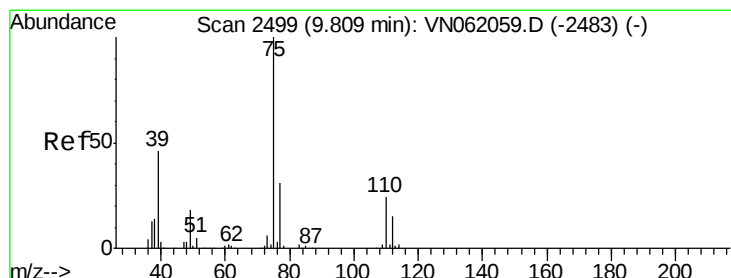
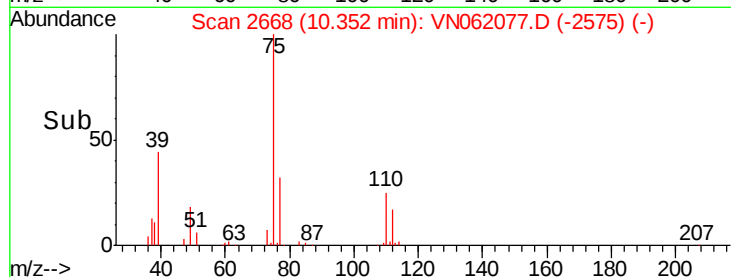
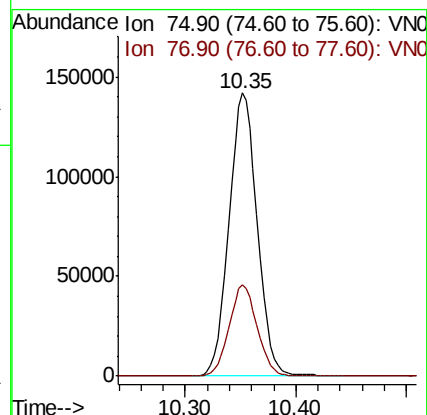
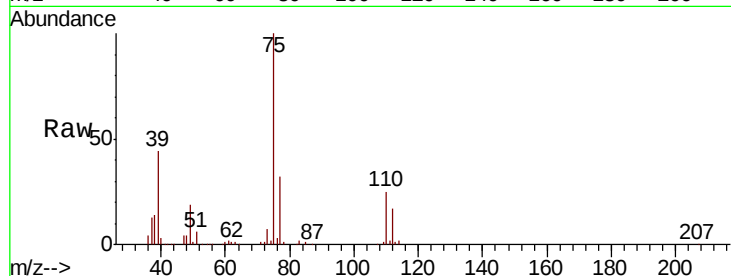
VSTDCCC050EC

Tot Ion: 75 Resp: 251093

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 48.459 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

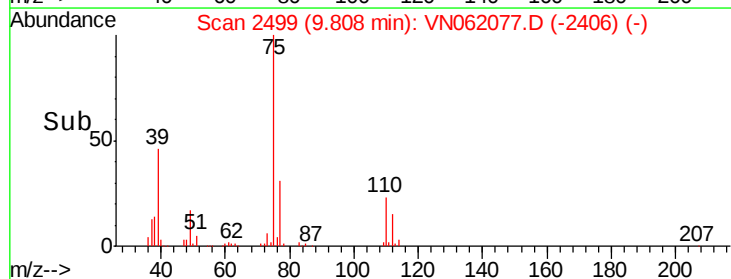
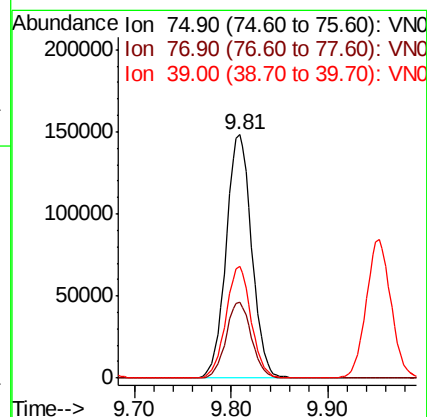
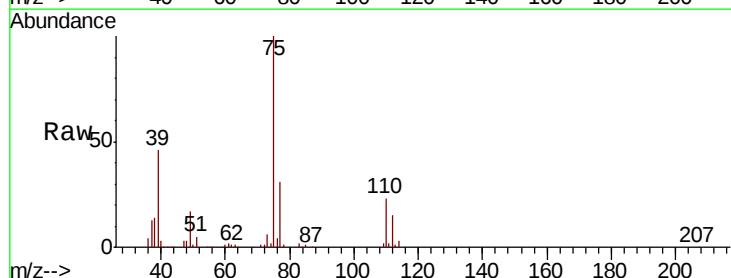
Tgt Ion: 75 Resp: 272180

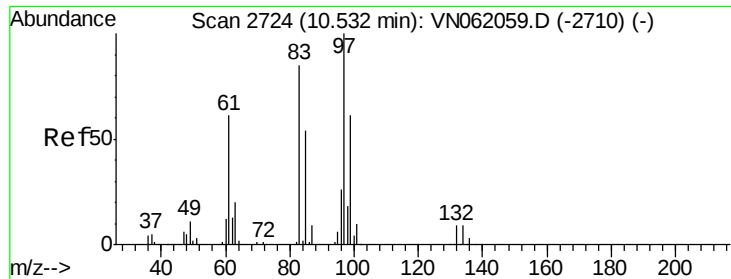
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 46.2 36.9 55.3

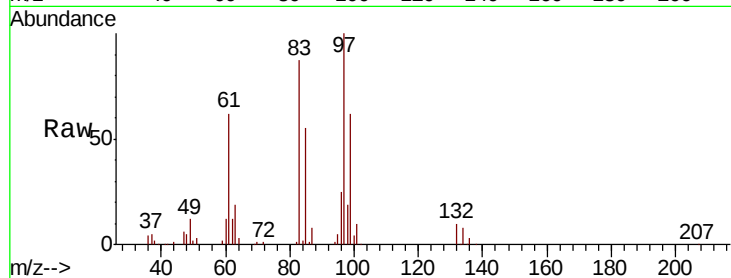




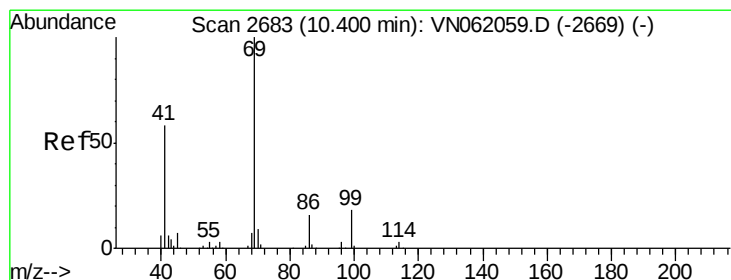
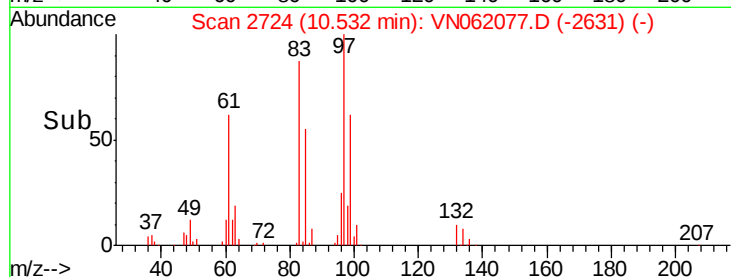
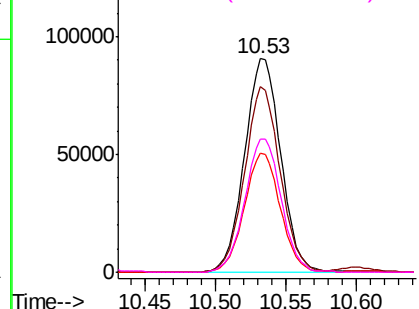
#55
 1,1,2-Trichloroethane
 Concen: 47.984 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.2	102.2
85	55.5	43.2	64.8
99	62.3	48.5	72.7

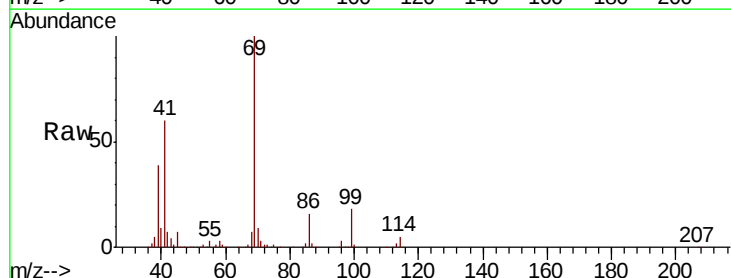


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

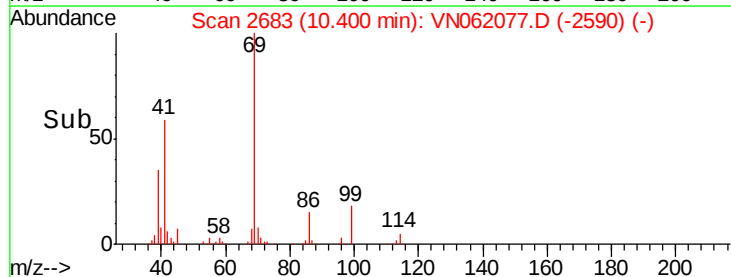
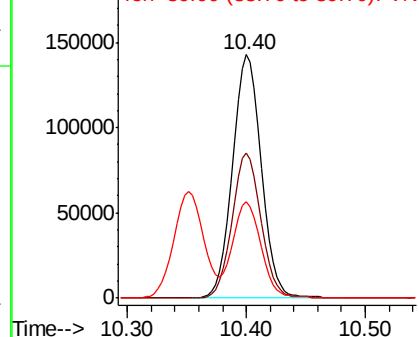


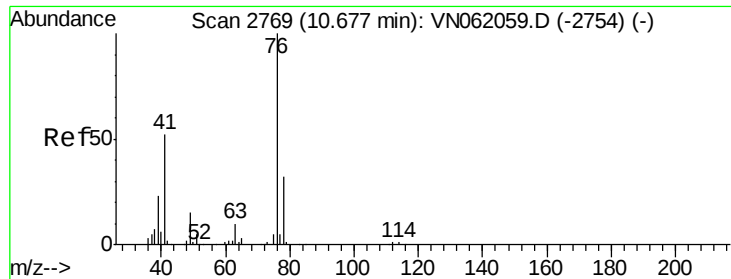
#56
 Ethyl methacrylate
 Concen: 52.768 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.7	46.6	70.0
39	38.7	31.0	46.4



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

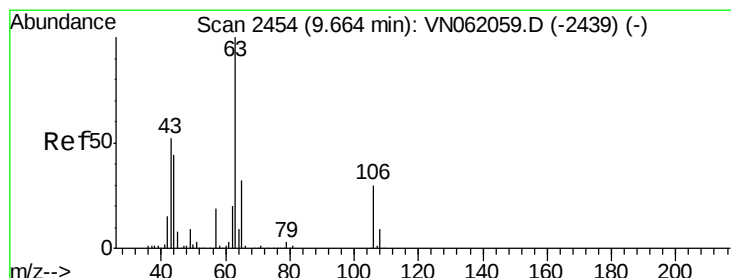
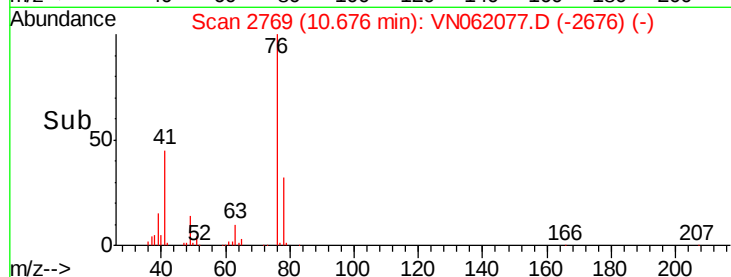
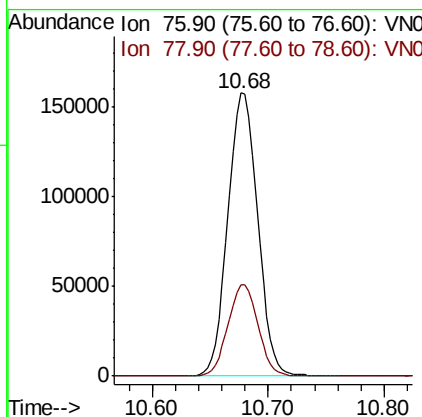
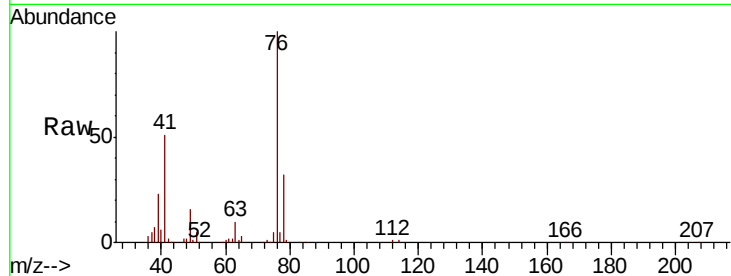




#57
 1,3-Dichloropropane
 Concen: 47.902 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

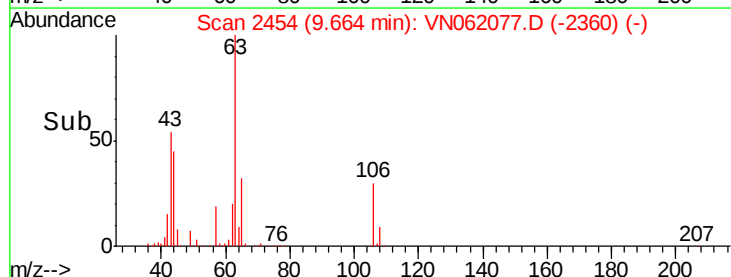
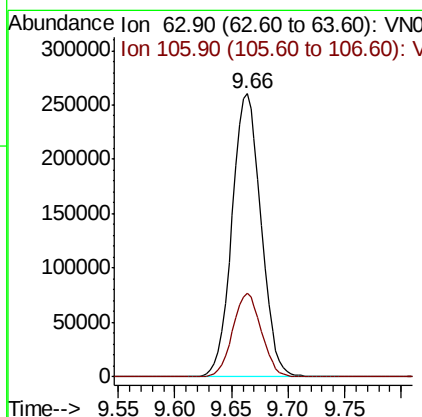
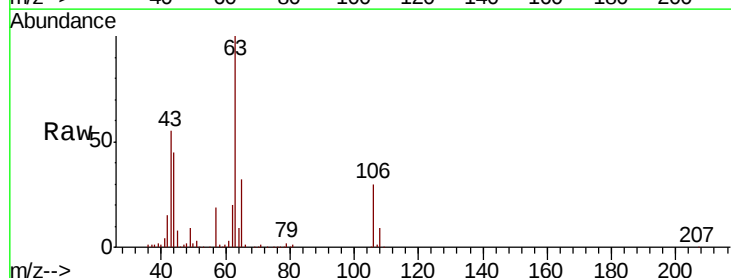
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

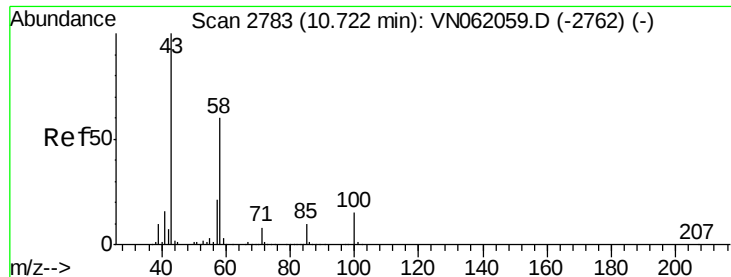
Tot Ion: 76 Resp: 280778
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.020 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion: 63 Resp: 465153
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.2 34.8

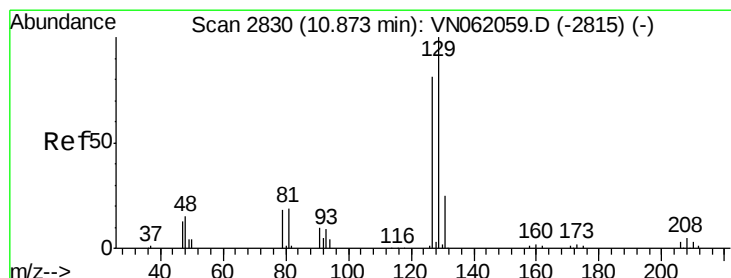
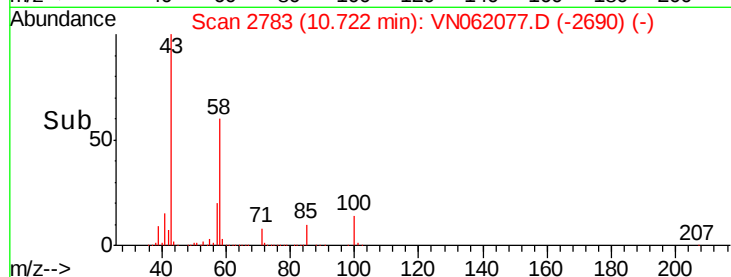
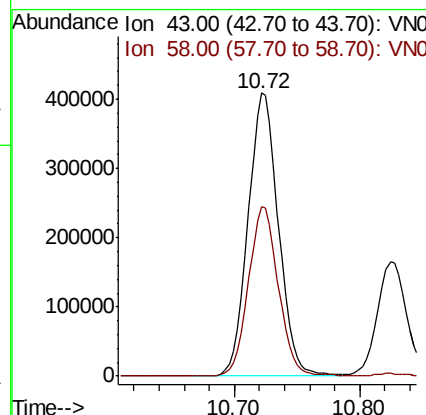
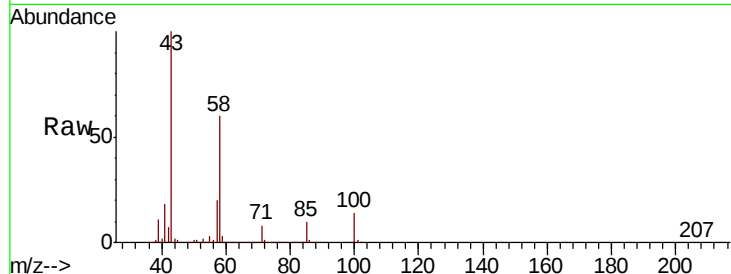




#59
2-Hexanone
Concen: 259.690 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

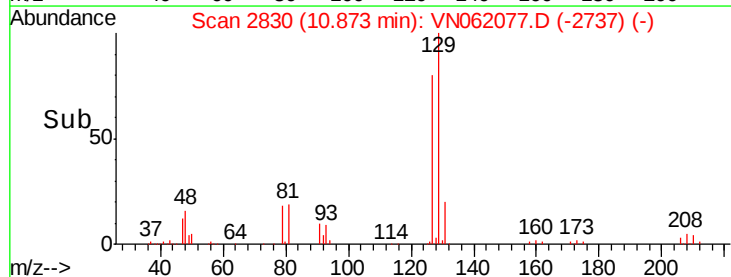
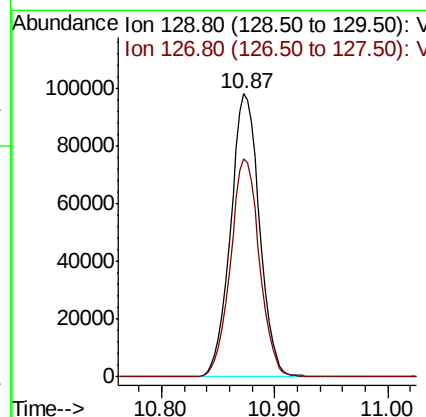
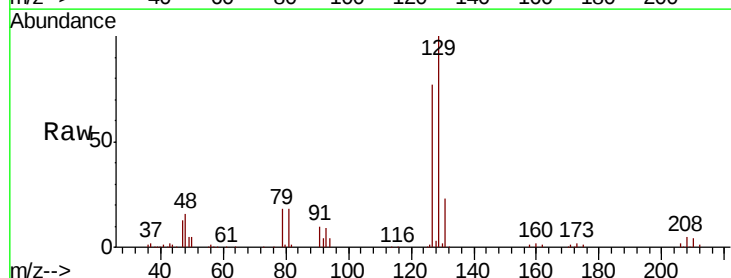
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

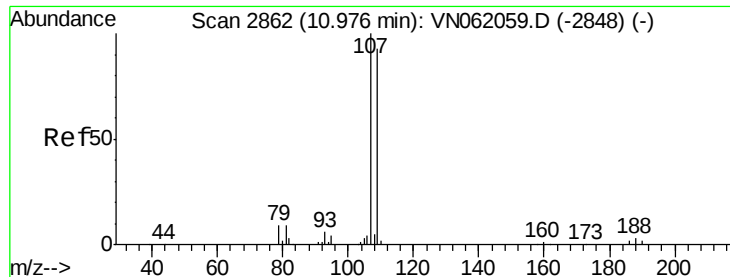
Tot Ion: 43 Resp: 688926
Ion Ratio Lower Upper
43 100
58 59.2 29.5 88.5



#60
Dibromochloromethane
Concen: 48.445 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 129 Resp: 174660
Ion Ratio Lower Upper
129 100
127 77.2 39.5 118.5

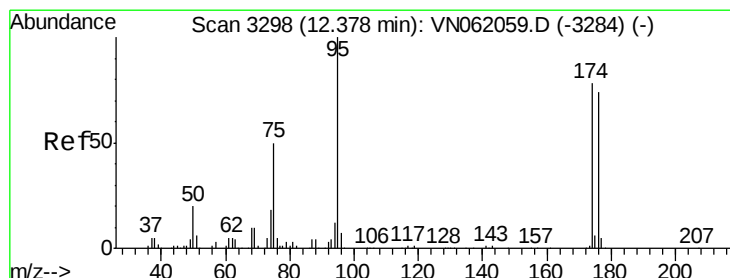
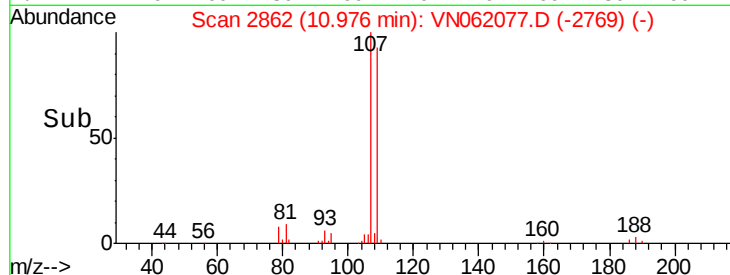
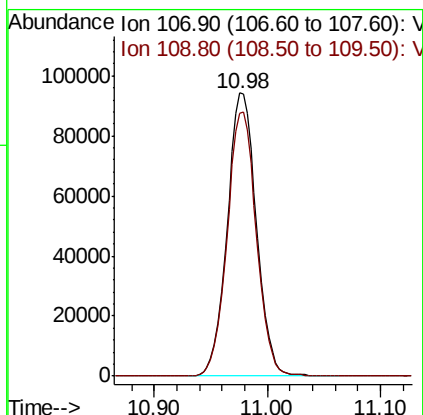
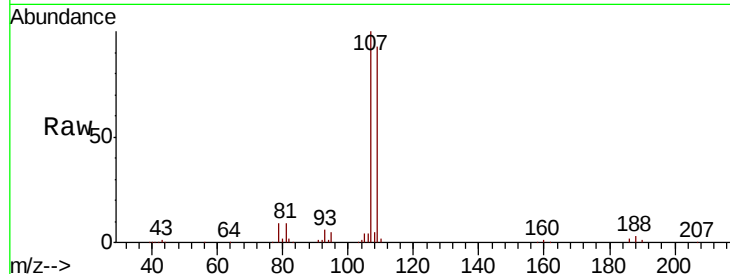




#61
 1,2-Dibromoethane
 Concen: 48.220 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

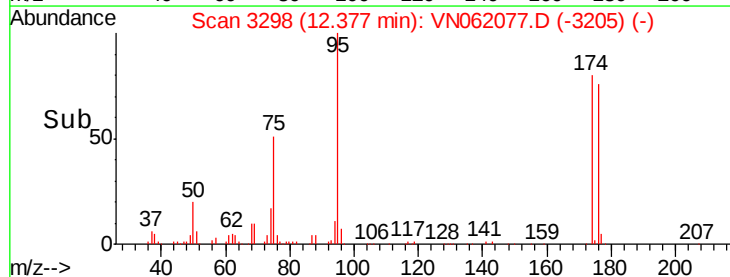
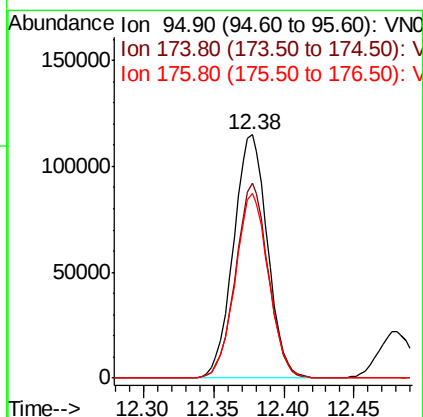
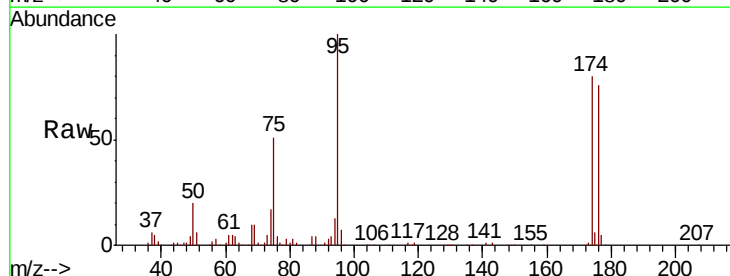
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

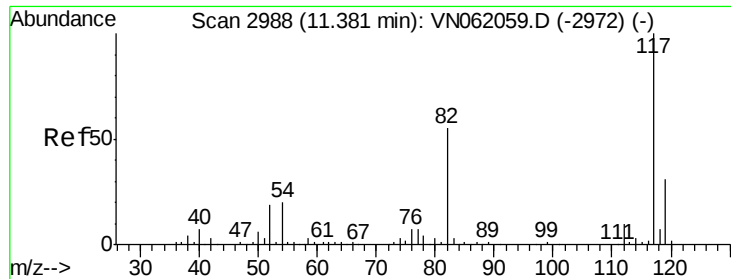
Tot Ion:107 Resp: 168728
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.330 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion: 95 Resp: 194065
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 154.8
 176 74.6 0.0 147.4

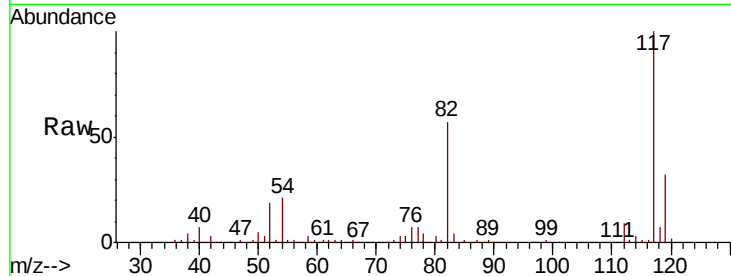




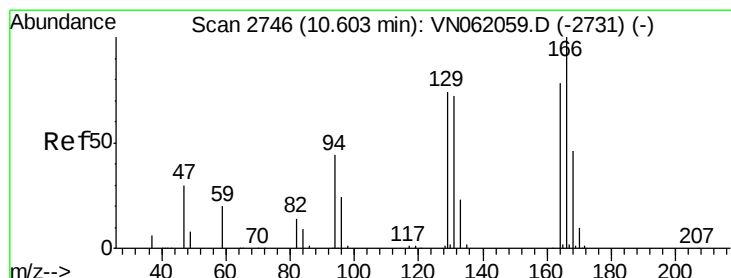
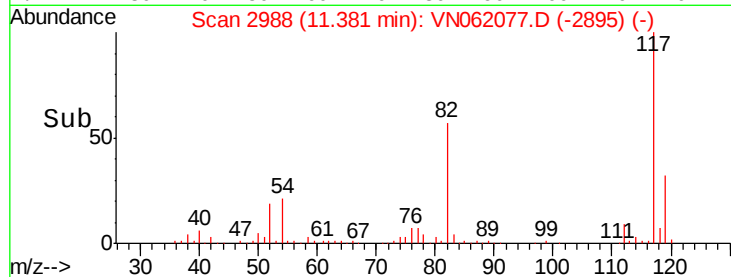
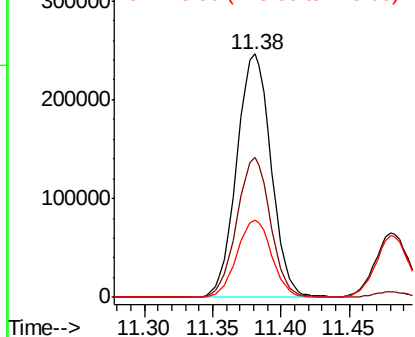
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 431672
Ion Ratio Lower Upper
117 100
82 57.4 43.8 65.8
119 31.6 25.2 37.8

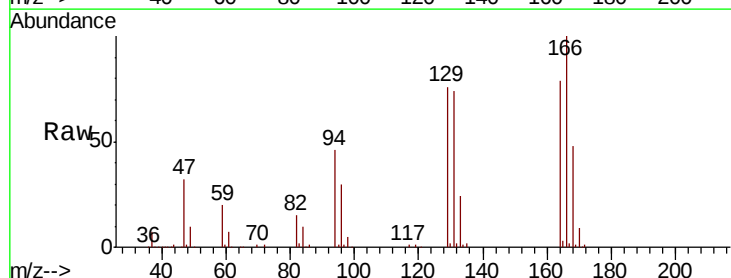


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

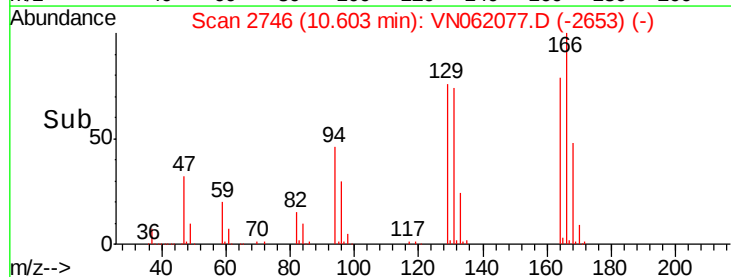
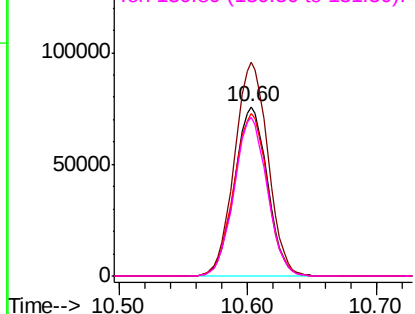


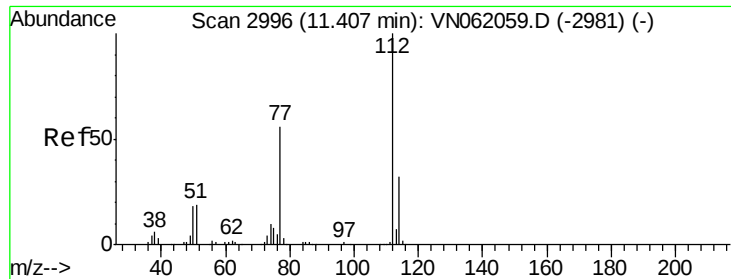
#64
Tetrachloroethene
Concen: 45.831 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion:164 Resp: 135143
Ion Ratio Lower Upper
164 100
166 126.0 102.9 154.3
129 95.6 75.8 113.8
131 93.8 73.8 110.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

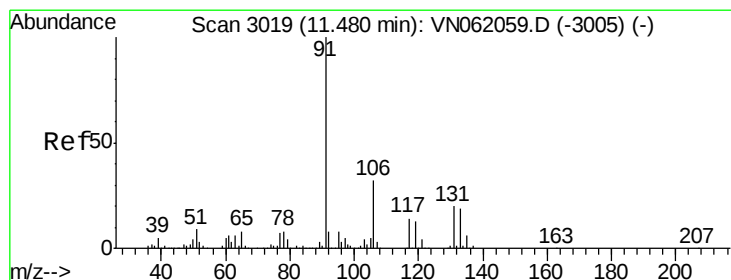
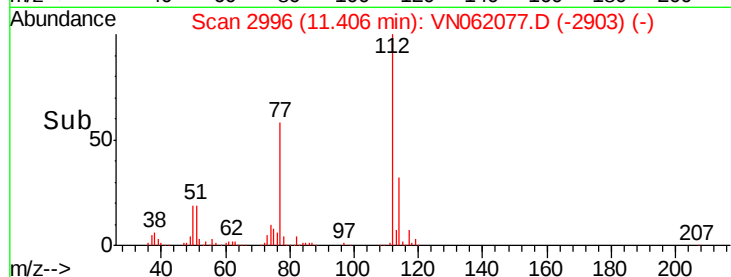
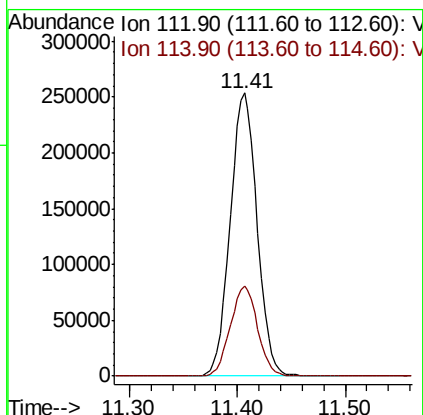
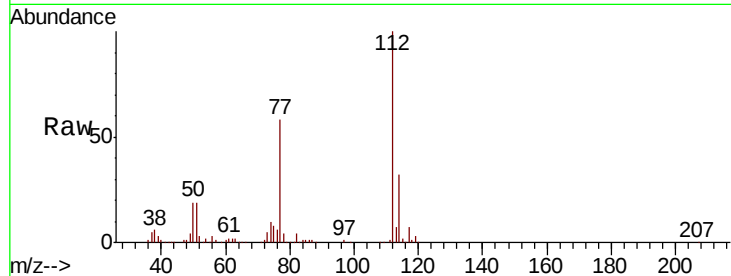




#65
Chlorobenzene
Concen: 46.526 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

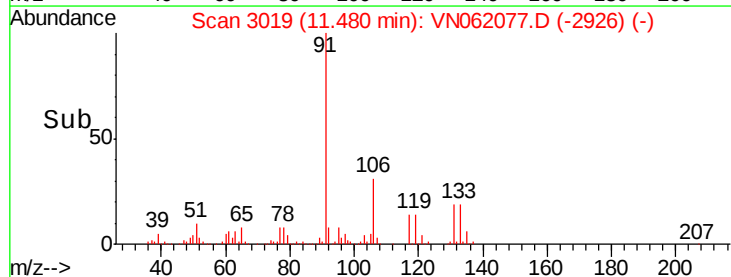
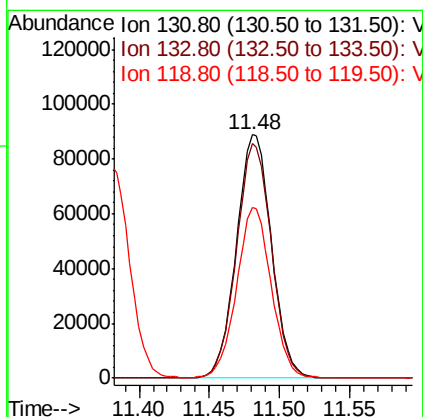
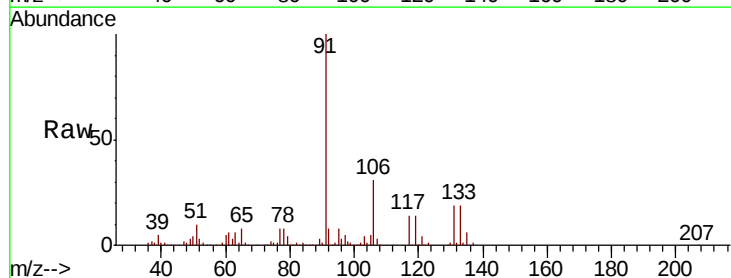
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

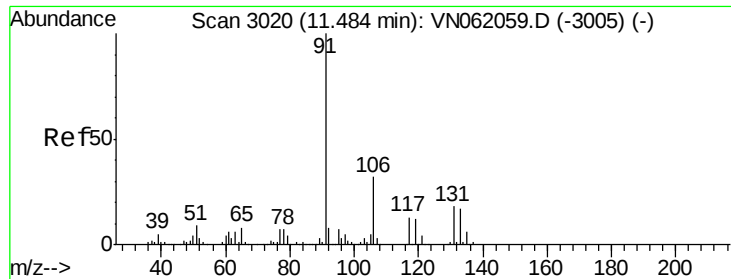
Tot Ion:112 Resp: 441043
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.325 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion:131 Resp: 155130
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 69.2 34.4 103.3

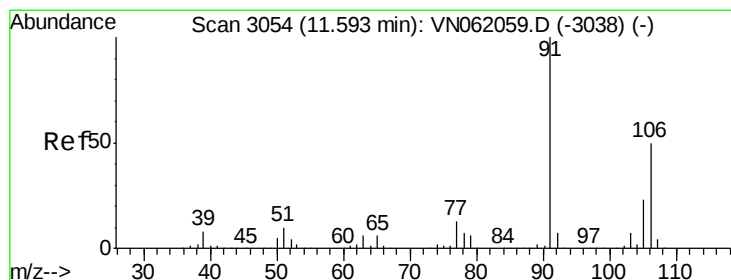
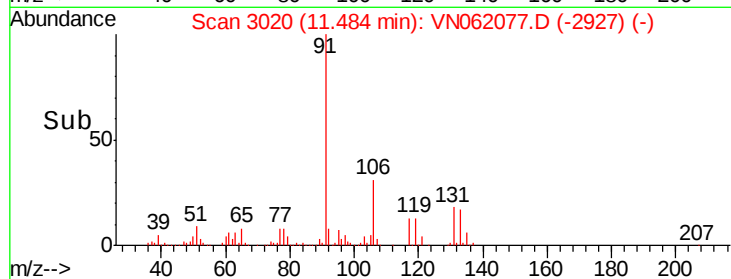
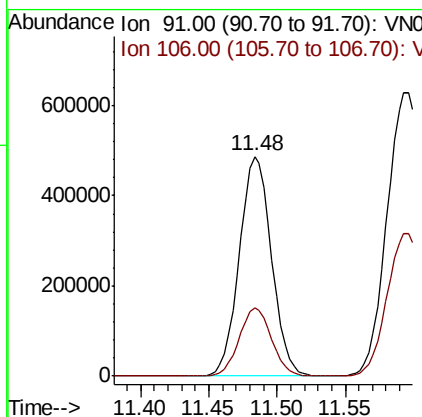
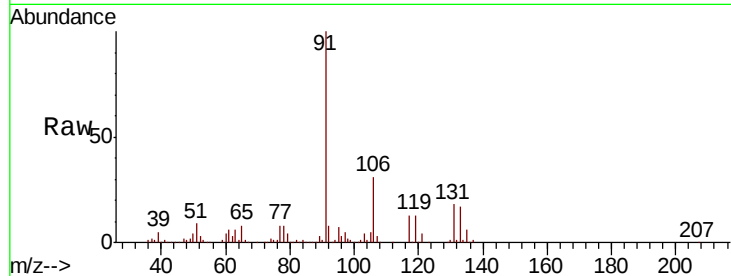




#67
Ethyl Benzene
Concen: 49.783 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

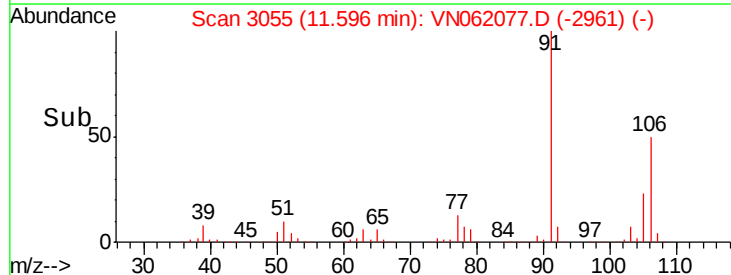
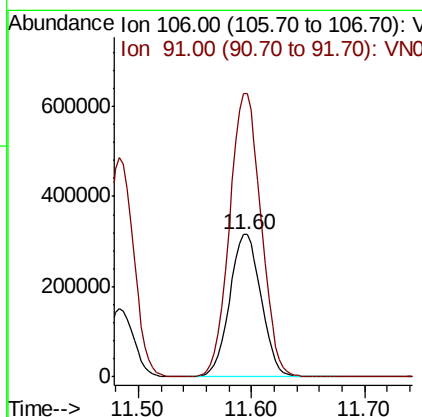
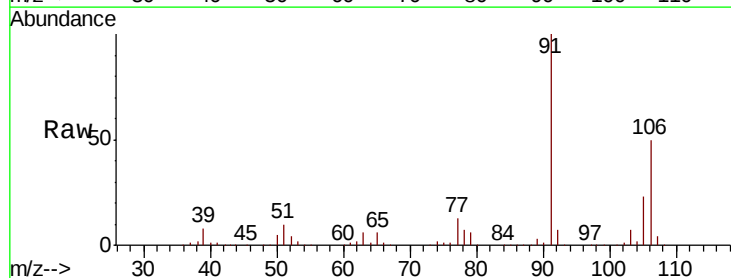
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

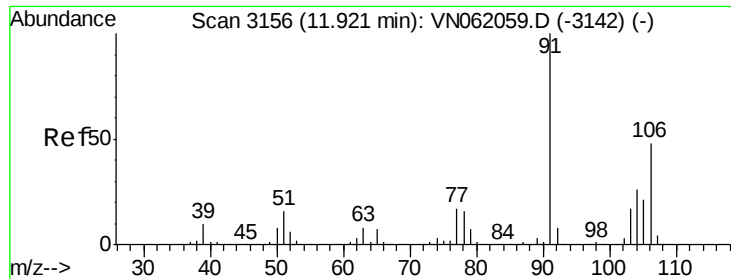
Tot Ion: 91 Resp: 797025
Ion Ratio Lower Upper
91 100
106 30.9 25.3 37.9



#68
m/p-Xylenes
Concen: 98.383 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 106 Resp: 609218
Ion Ratio Lower Upper
106 100
91 199.4 157.8 236.8

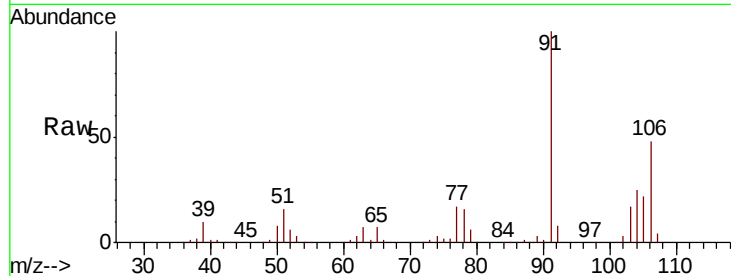




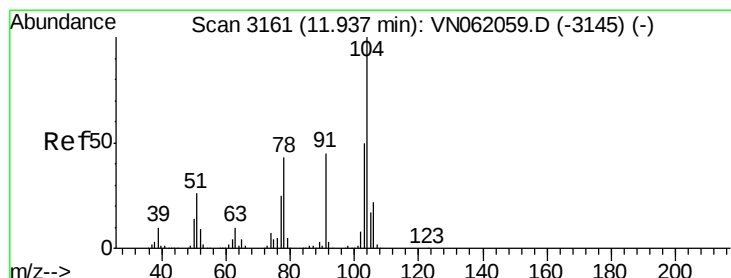
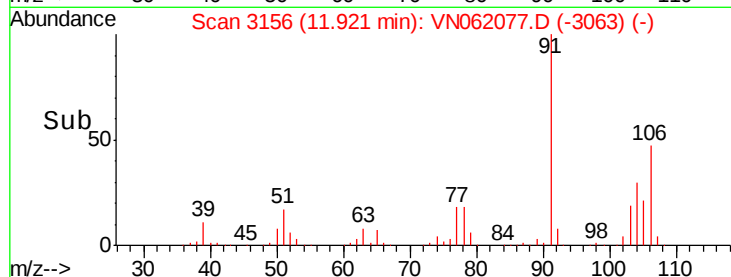
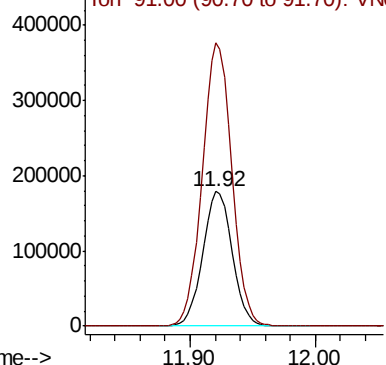
#69
o-Xylene
Concen: 50.067 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 292517
Ion Ratio Lower Upper
106 100
91 210.3 104.0 311.9

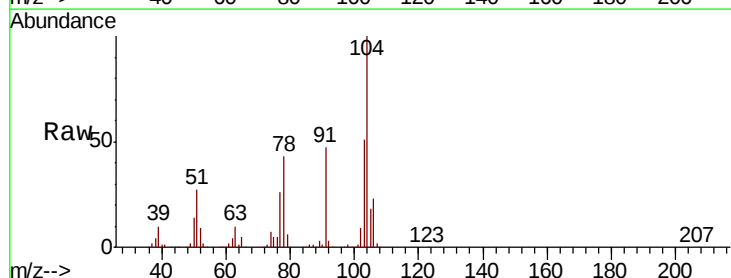


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

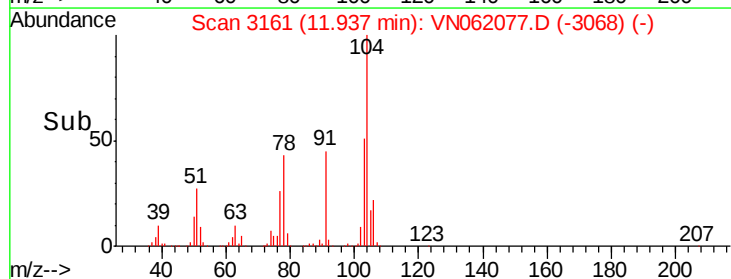
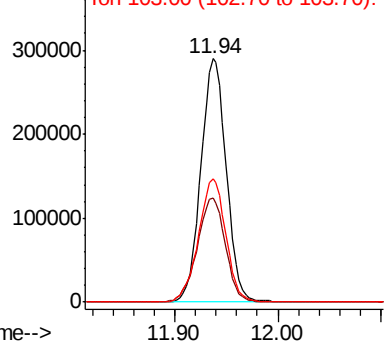


#70
Styrene
Concen: 51.246 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion:104 Resp: 499337
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 54.5 43.0 64.6



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





#71

Bromoform

Concen: 49.481 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

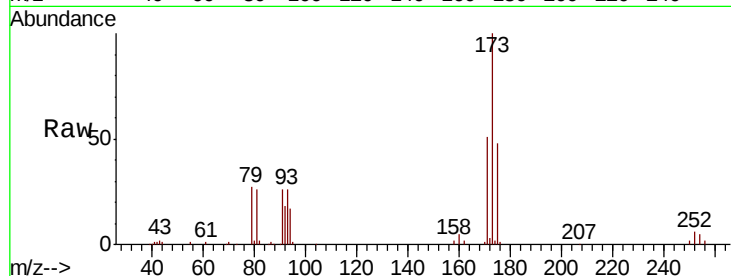
Tot Ion:173 Resp: 115322

Ion Ratio Lower Upper

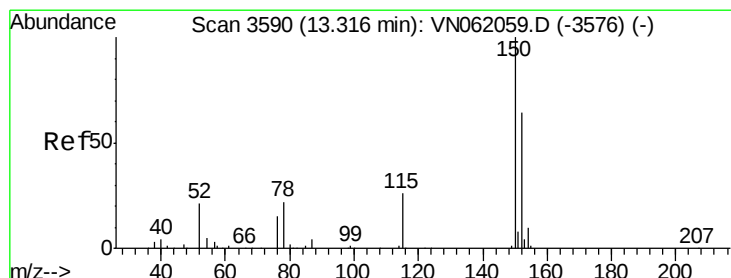
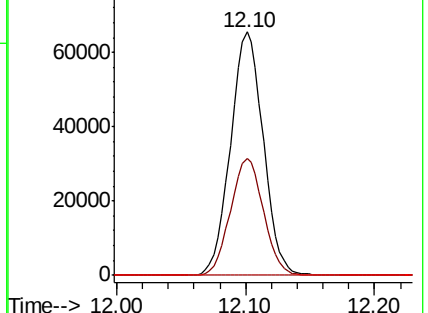
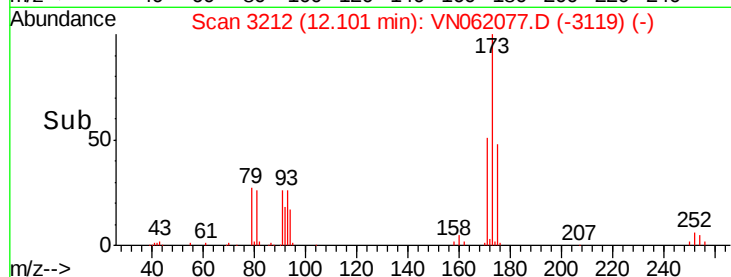
173 100

175 48.4 24.7 74.1

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# 3591

Delta R.T. 0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

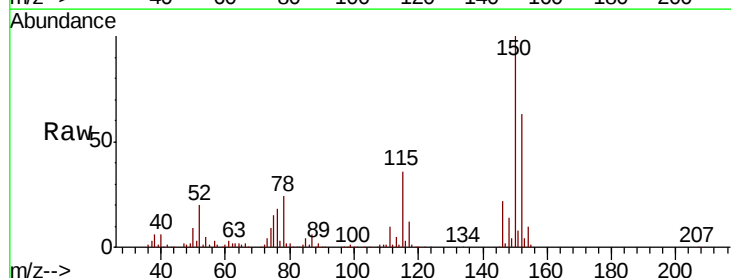
Tgt Ion:152 Resp: 208796

Ion Ratio Lower Upper

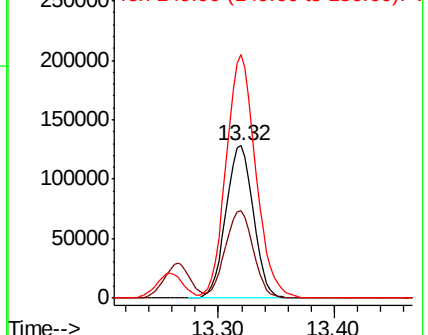
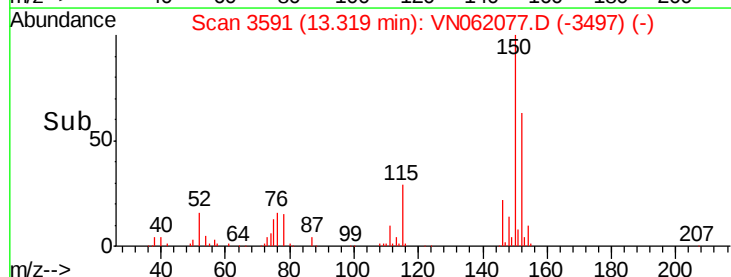
152 100

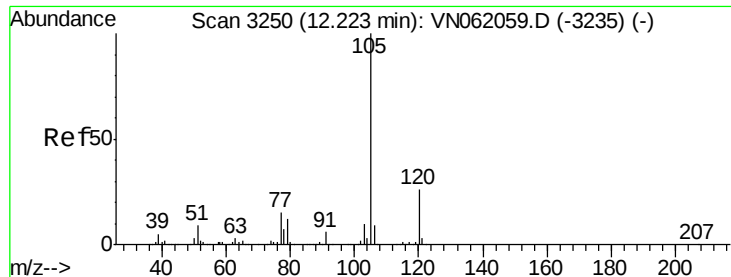
115 58.9 29.5 88.5

150 172.9 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

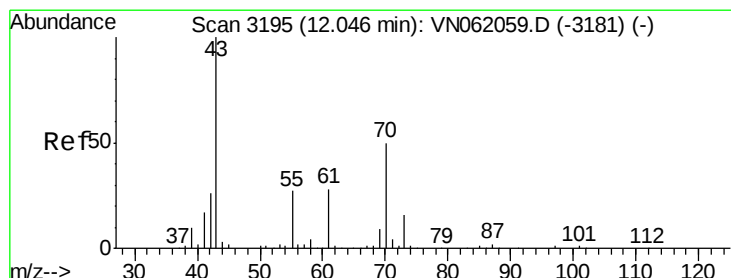
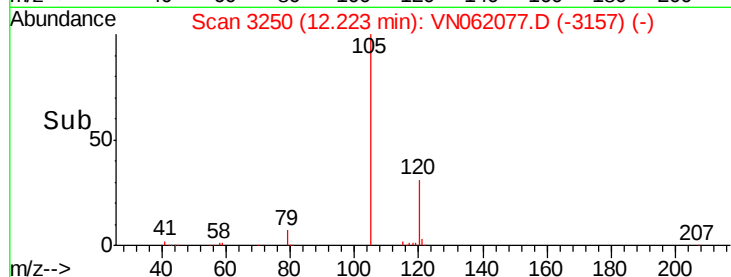
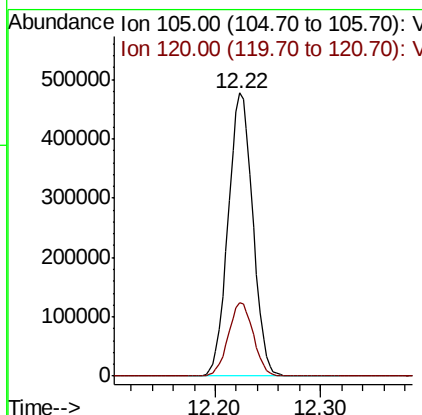
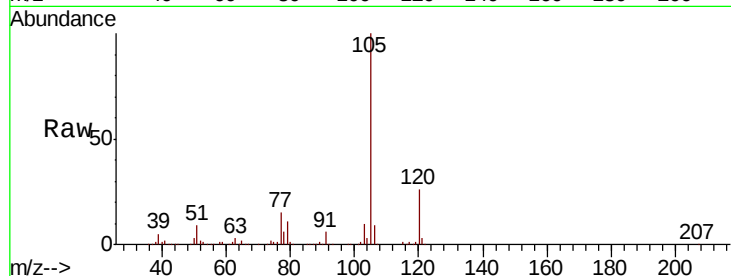




#73
Isopropylbenzene
Concen: 47.633 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

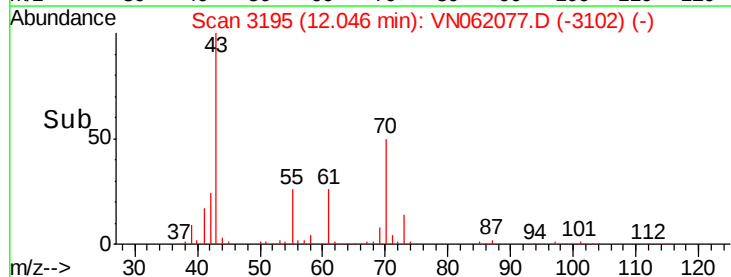
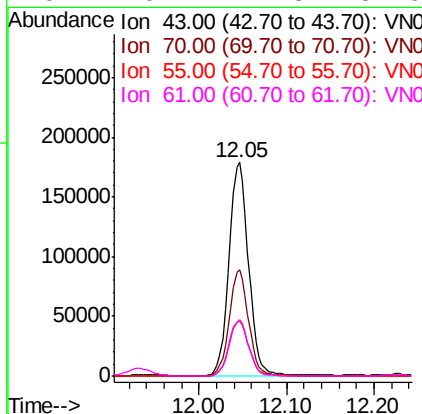
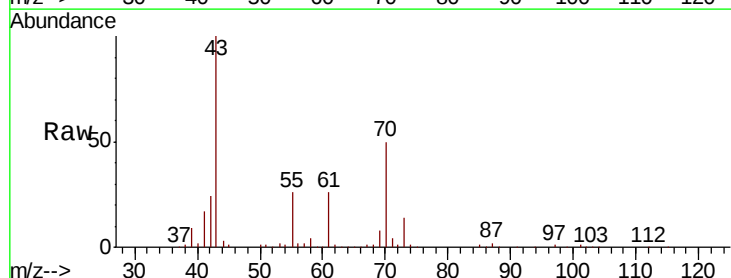
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

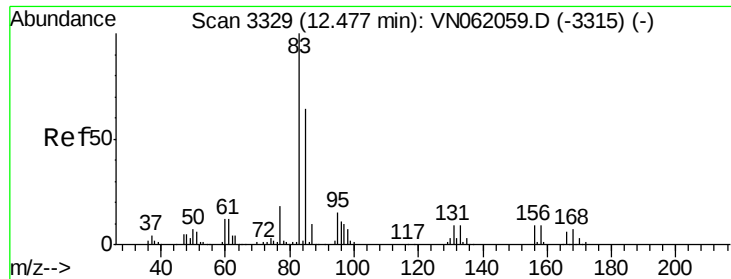
Tot Ion:105 Resp: 769870
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6



#74
N-ethyl acetate
Concen: 47.272 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 43 Resp: 280090
Ion Ratio Lower Upper
43 100
70 48.6 39.4 59.2
55 26.7 21.7 32.5
61 26.1 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 45.717 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

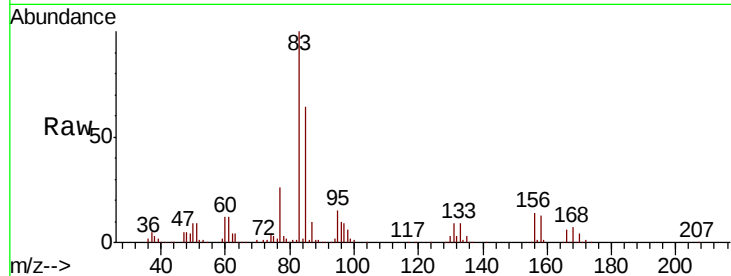
Tot Ion: 83 Resp: 245890

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.4

85 65.0 32.4 97.0

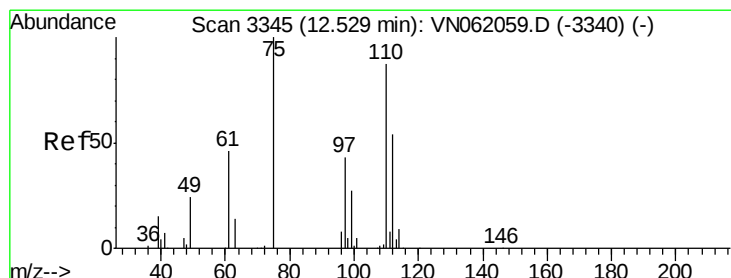
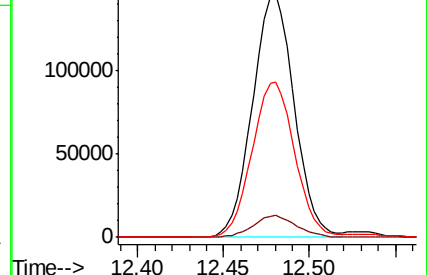
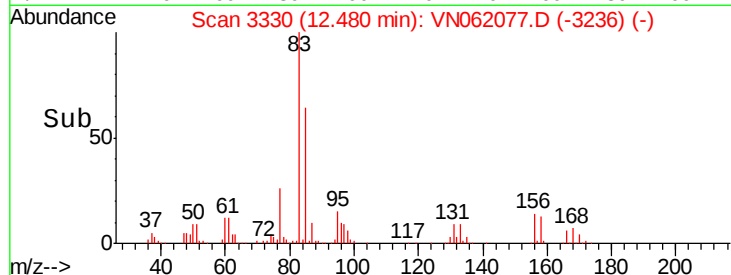


Abundance Ion 82.90 (82.60 to 83.60): VN062077.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062077.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062077.D (-3236) (-)

12.48



#76

1,2,3-Trichloropropane

Concen: 60.304 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062077.D

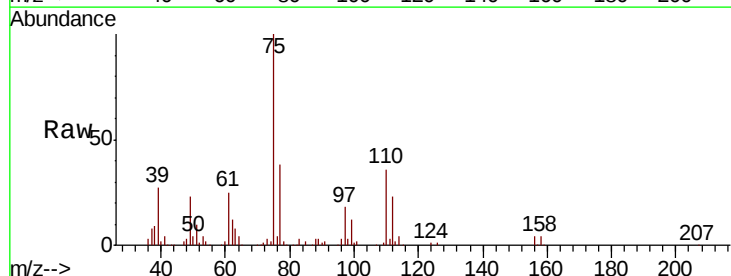
Acq: 24 Jun 2020 21:02

Tgt Ion: 75 Resp: 296406

Ion Ratio Lower Upper

75 100

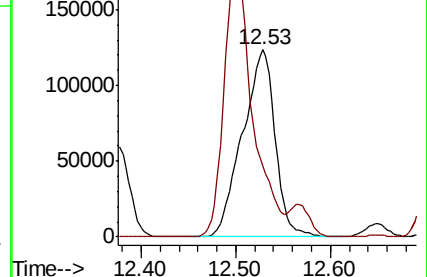
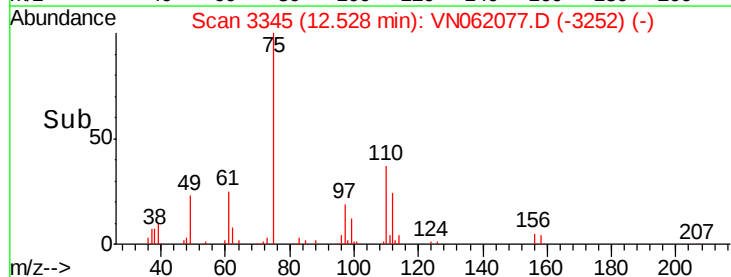
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062077.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062077.D (-3252) (-)

12.53

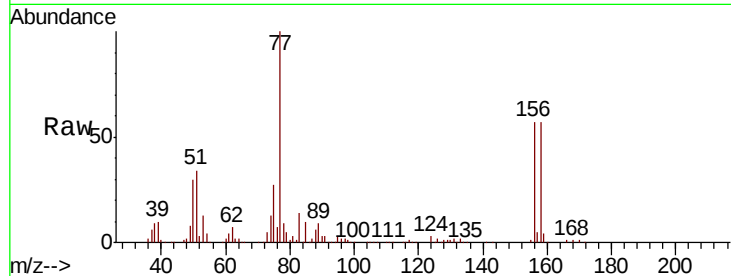




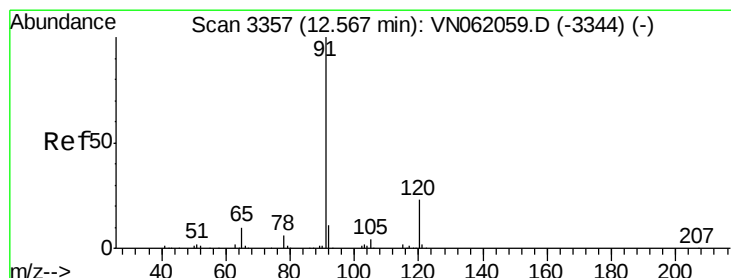
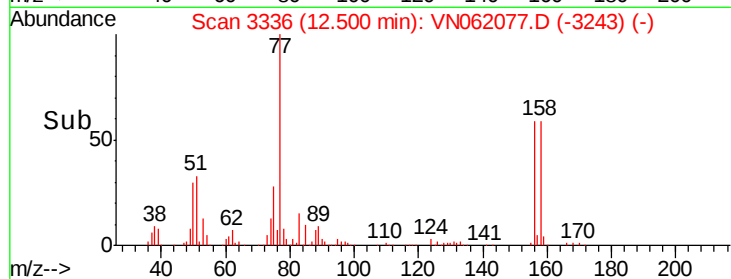
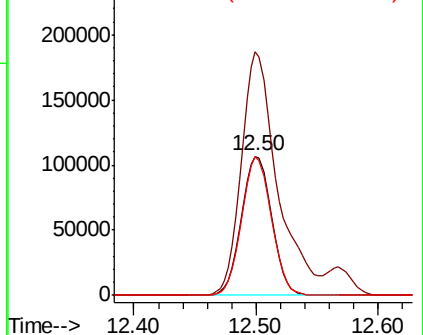
#77
Bromobenzene
Concen: 45.537 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 182722
Ion Ratio Lower Upper
156 100
77 208.1 104.6 313.8
158 97.5 48.0 144.0

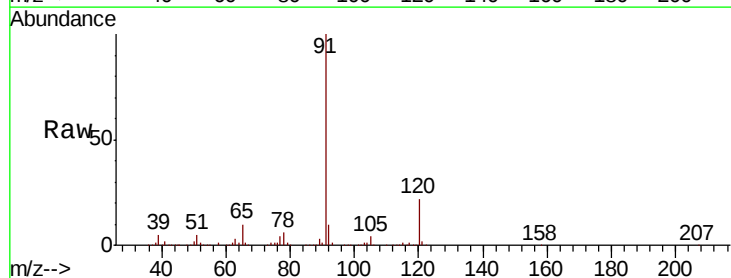


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

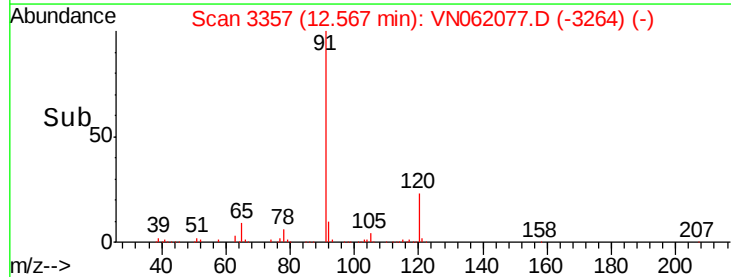
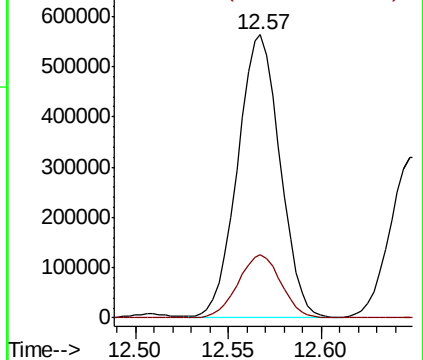


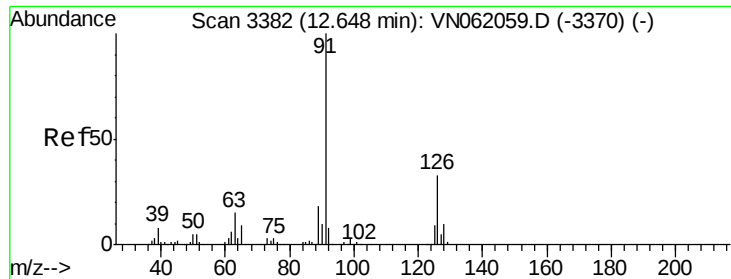
#78
n-propylbenzene
Concen: 48.036 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 91 Resp: 888059
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V

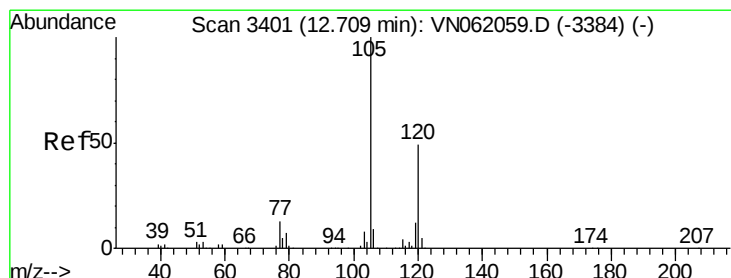
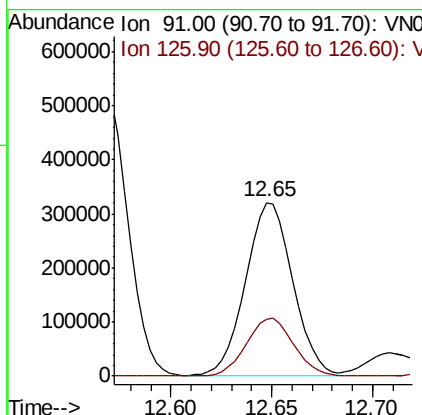
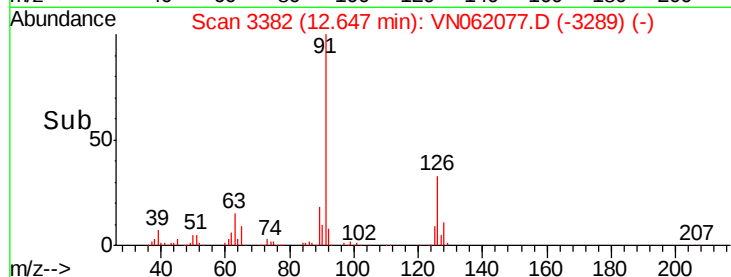
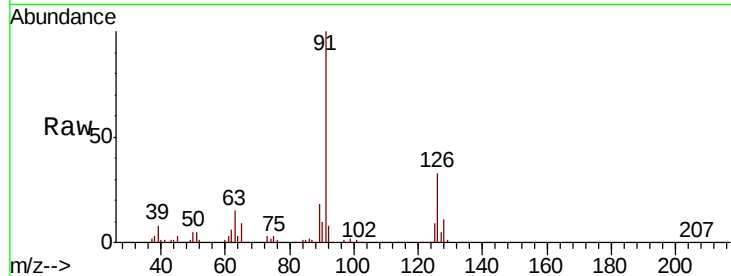




#79
 2-Chlorotoluene
 Concen: 46.911 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

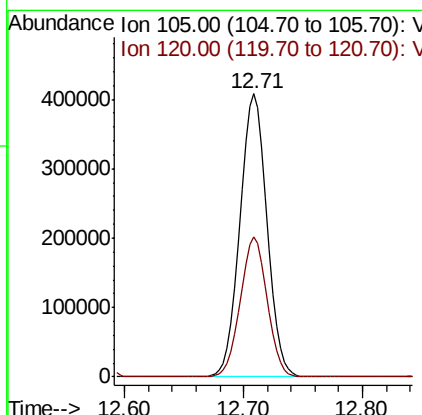
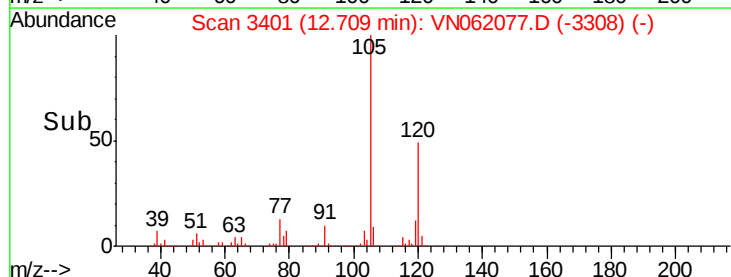
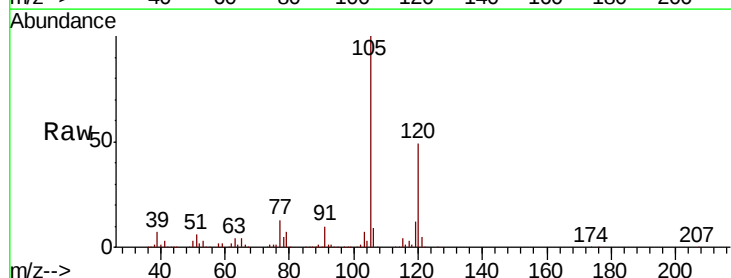
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

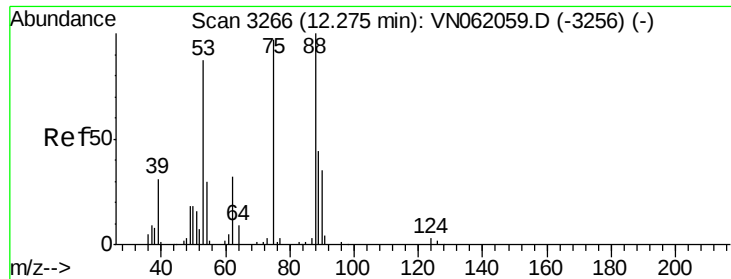
Tot Ion: 91 Resp: 524299
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 48.888 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion: 105 Resp: 640536
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.904 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062077.D

Acq: 24 Jun 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

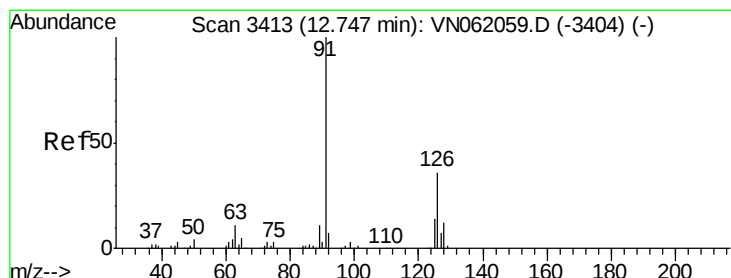
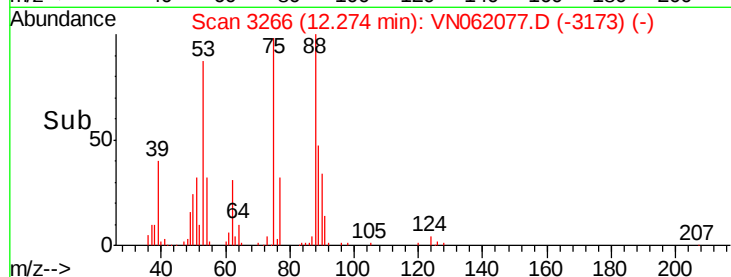
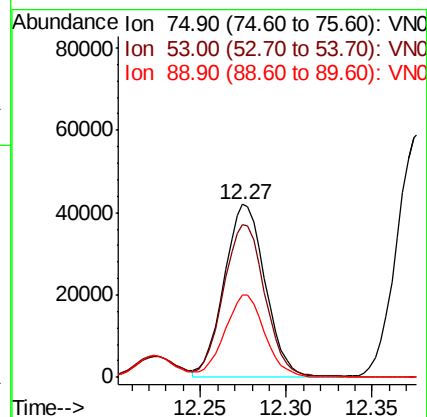
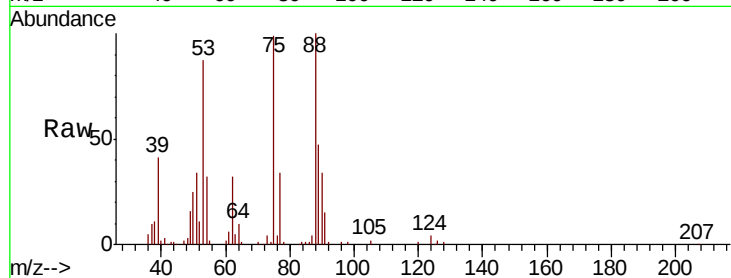
Tot Ion: 75 Resp: 70527

Ion Ratio Lower Upper

75 100

53 89.5 72.0 108.0

89 46.4 36.9 55.3



#82

4-Chlorotoluene

Concen: 46.672 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062077.D

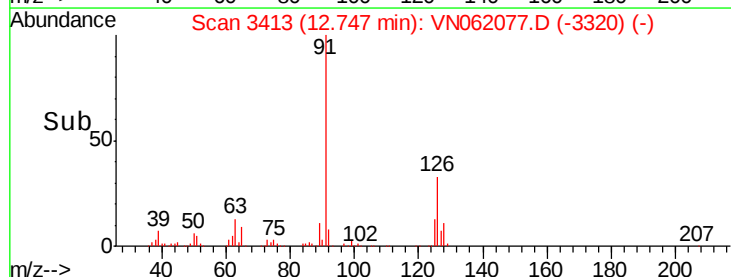
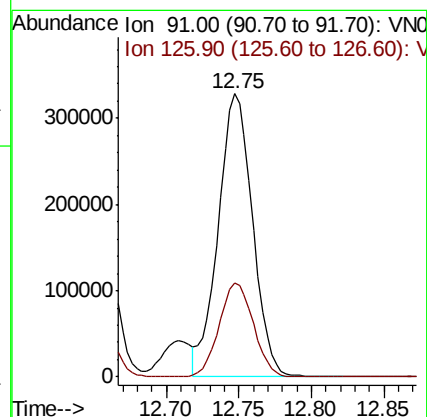
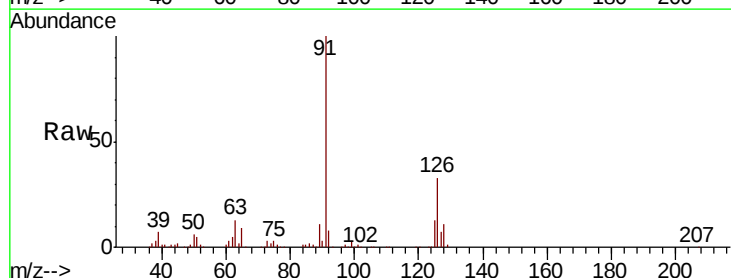
Acq: 24 Jun 2020 21:02

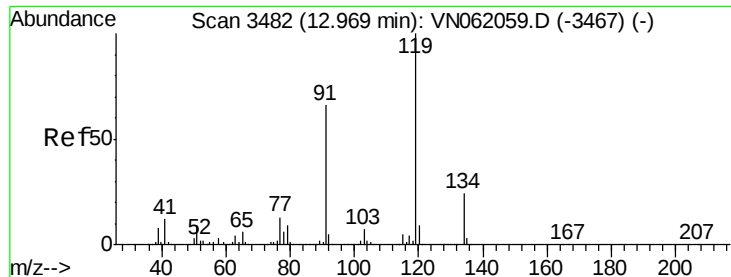
Tgt Ion: 91 Resp: 539417

Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.1

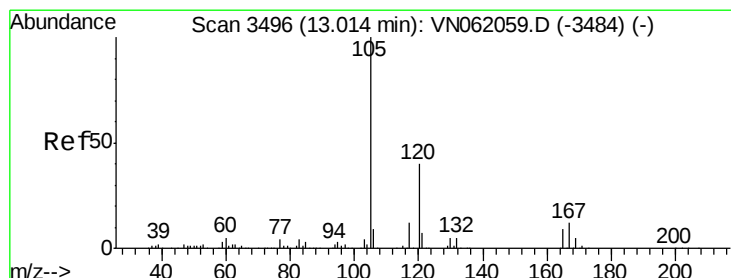
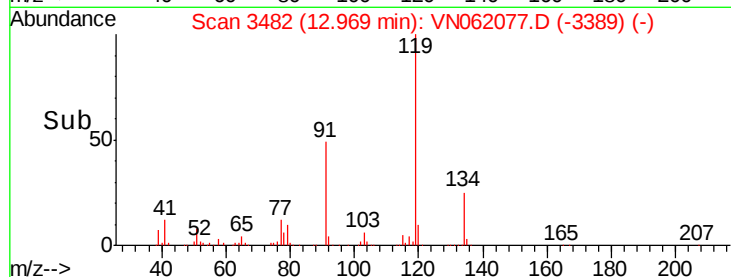
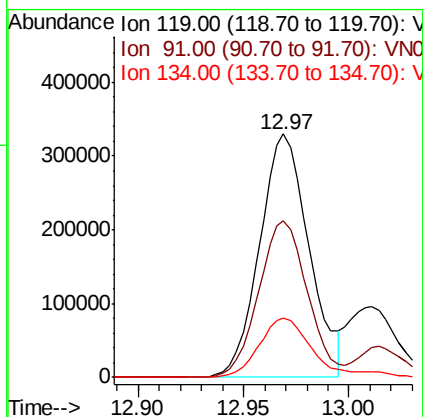
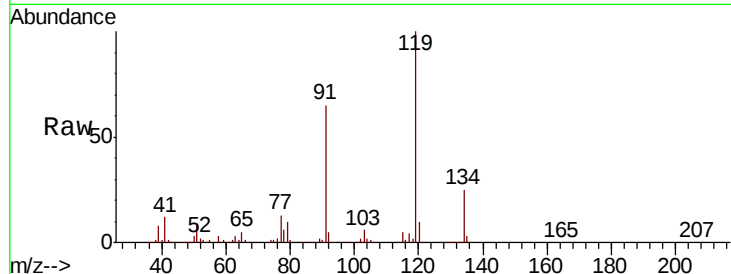




#83
 tert-Butylbenzene
 Concen: 47.914 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

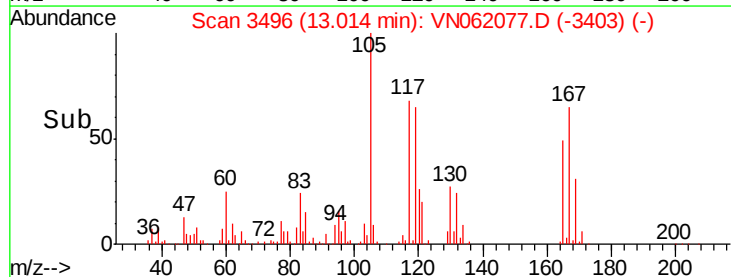
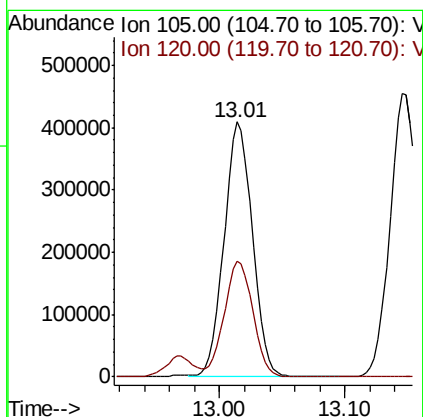
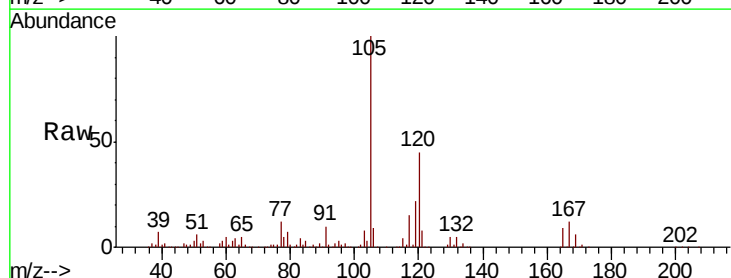
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 537260
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.7 95.1
 134 26.7 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 48.868 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion:105 Resp: 639467
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.5

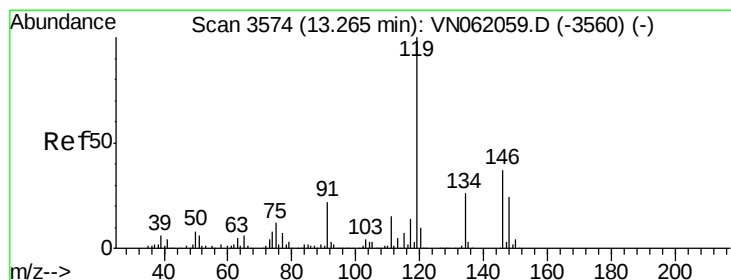
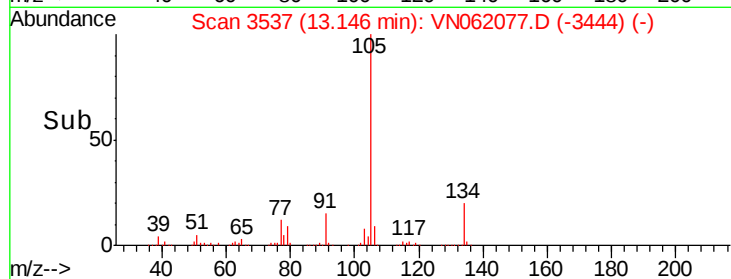
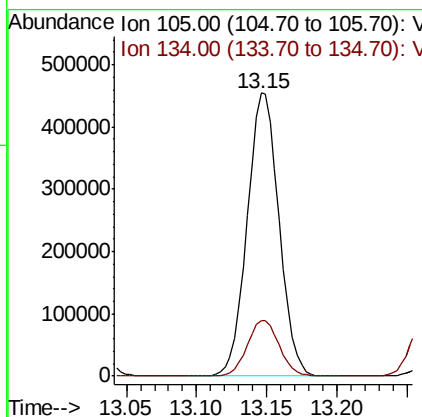
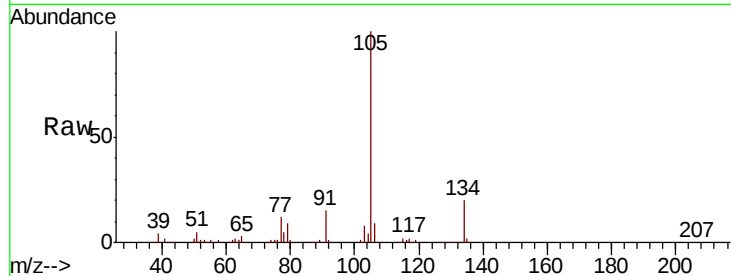




#85
 sec-Butylbenzene
 Concen: 48.395 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

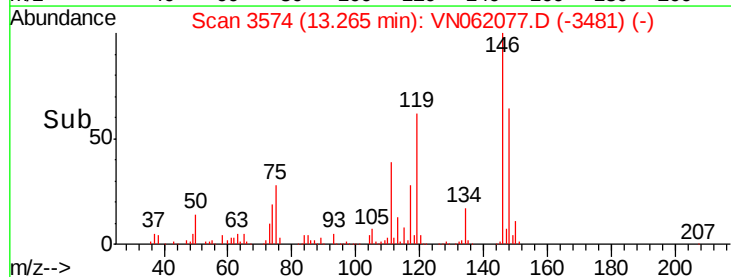
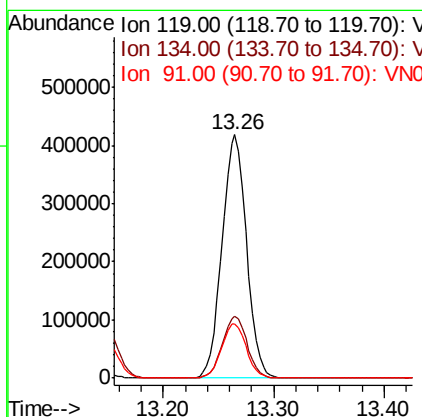
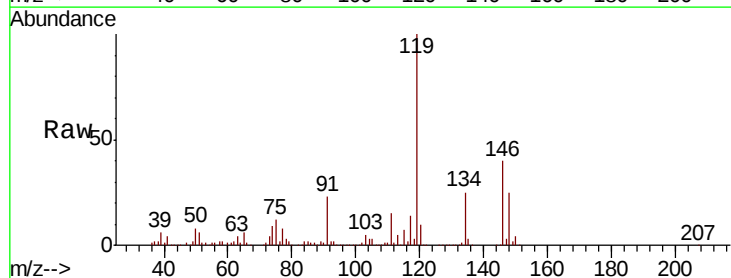
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

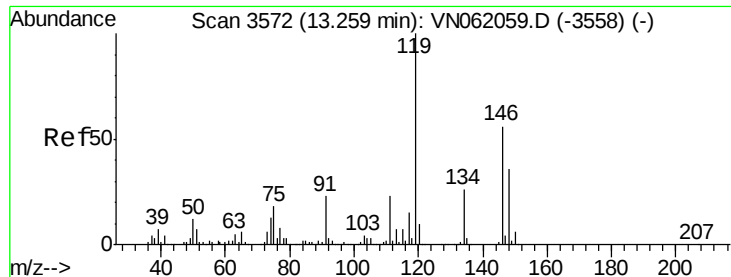
Tot Ion:105 Resp: 717049
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 49.478 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion:119 Resp: 642280
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 22.5 11.3 33.8

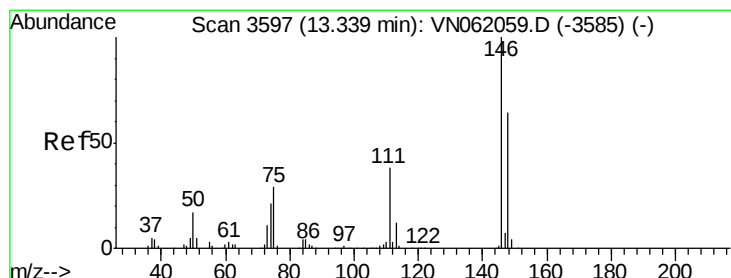
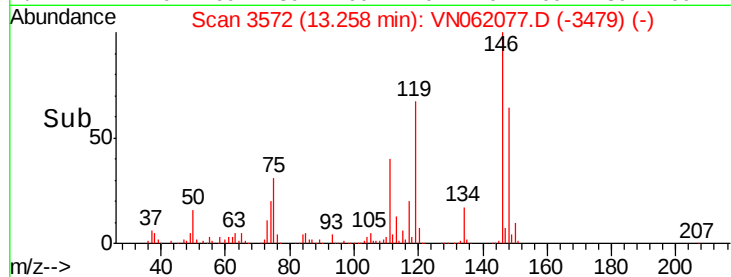
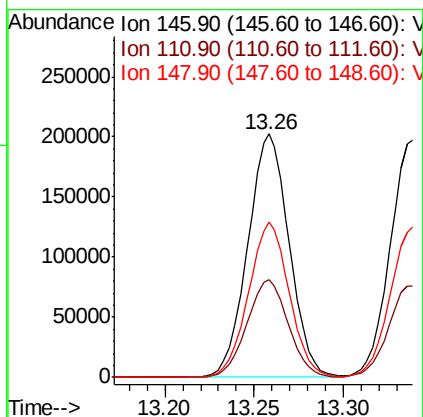
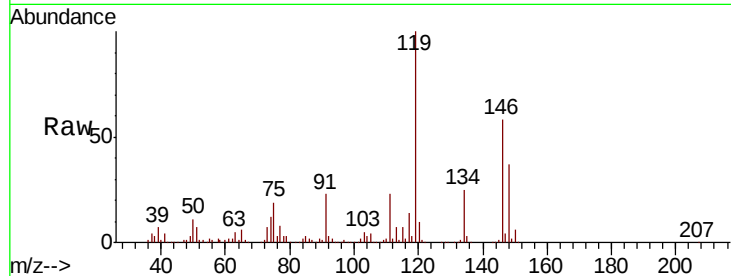




#87
 1,3-Dichlorobenzene
 Concen: 46.497 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

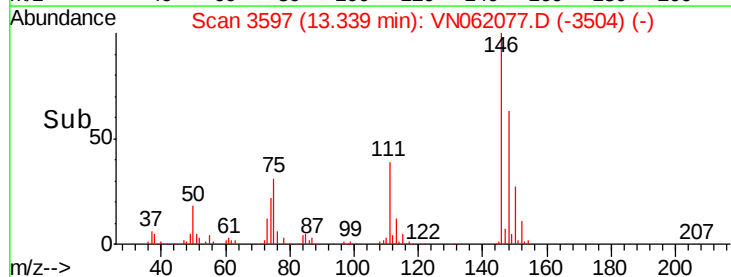
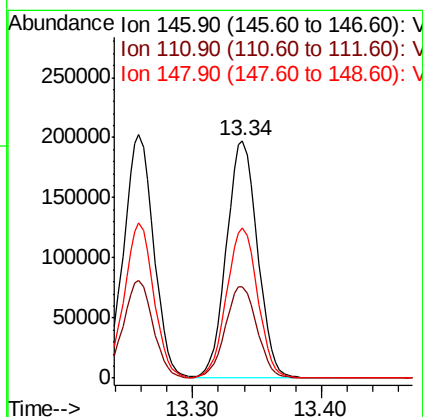
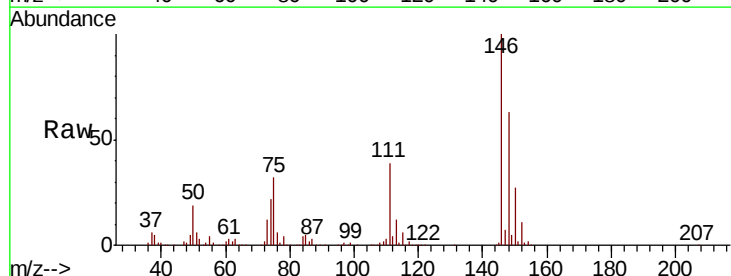
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

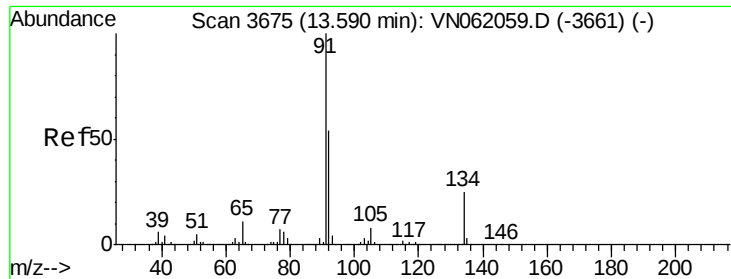
Tot Ion:146 Resp: 327626
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 61.0
 148 62.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 45.314 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion:146 Resp: 329125
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.6
 148 63.3 31.9 95.9

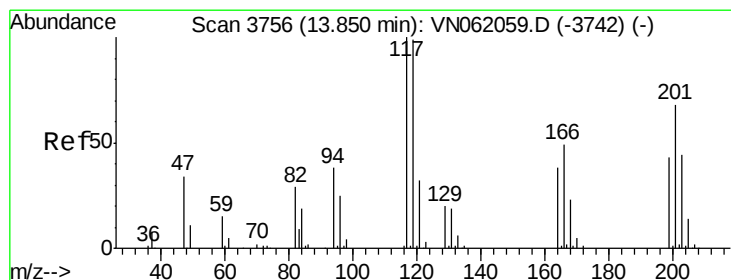
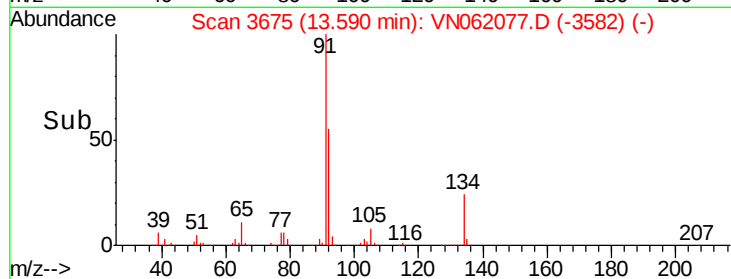
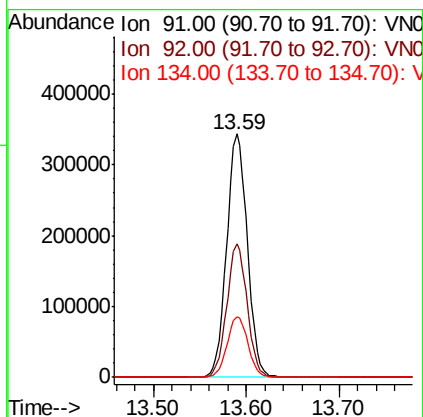
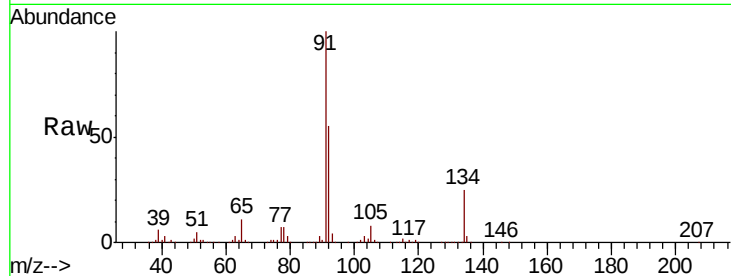




#89
n-Butylbenzene
Concen: 49.272 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

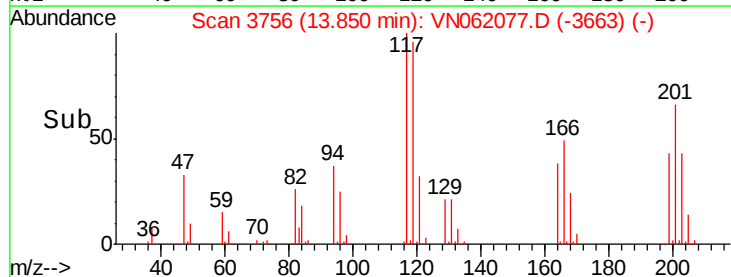
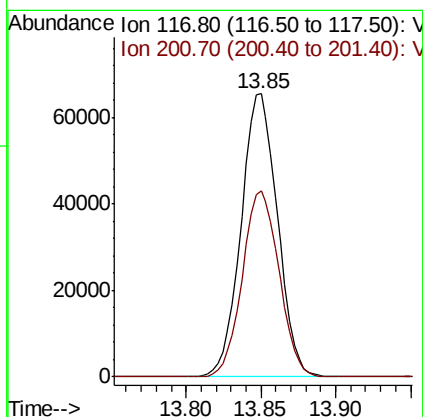
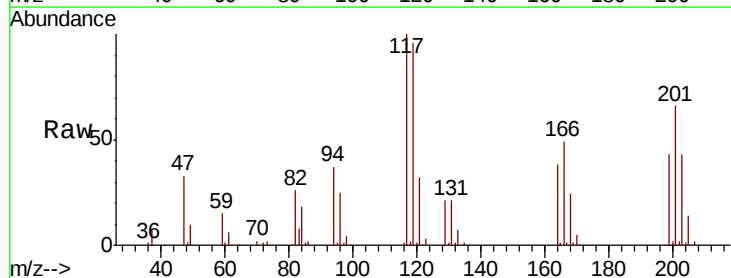
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 531752
Ion Ratio Lower Upper
91 100
92 54.1 26.6 79.7
134 25.3 12.3 36.9



#90
Hexachloroethane
Concen: 43.544 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion: 117 Resp: 110899
Ion Ratio Lower Upper
117 100
201 66.2 32.7 98.1

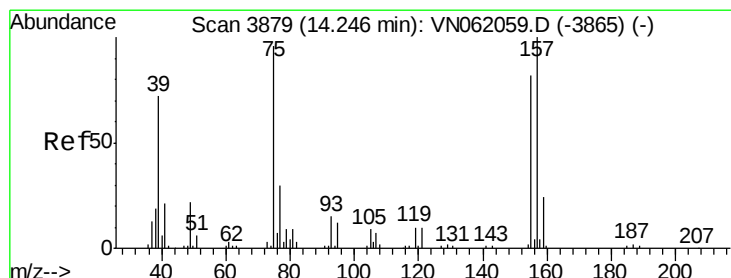
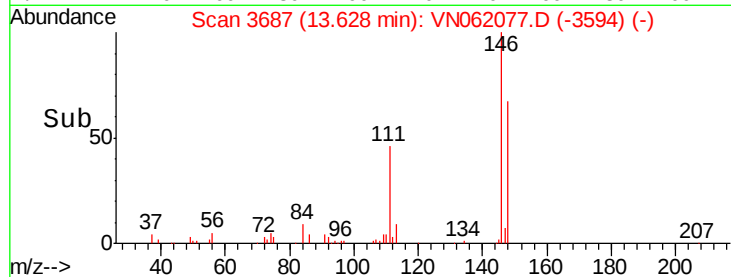
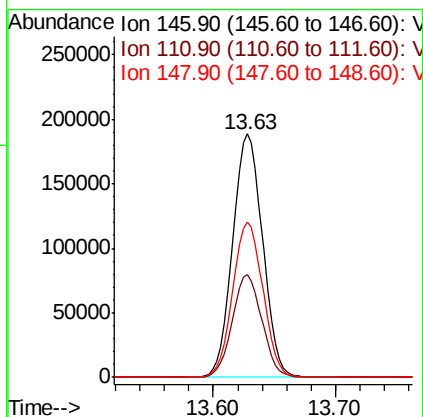
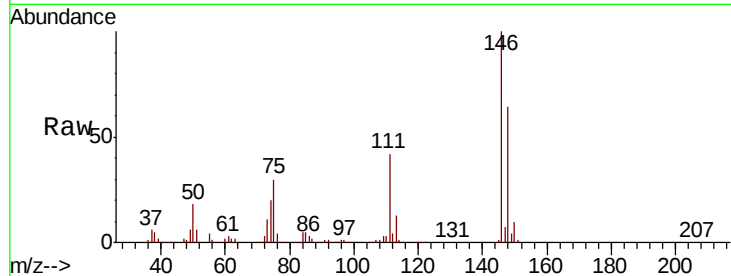




#91
 1,2-Dichlorobenzene
 Concen: 47.040 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

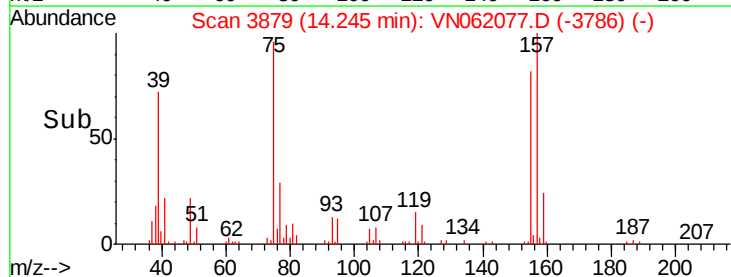
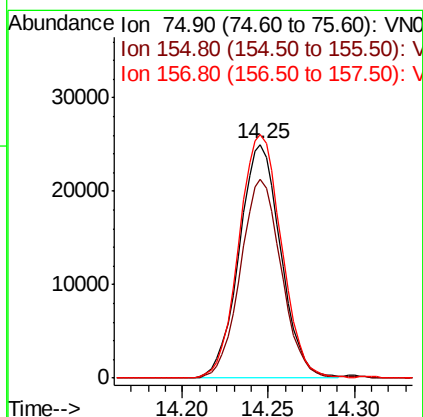
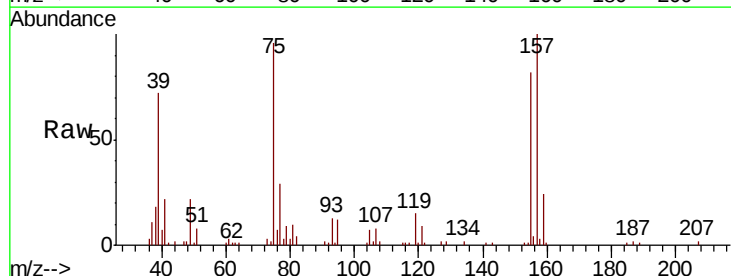
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

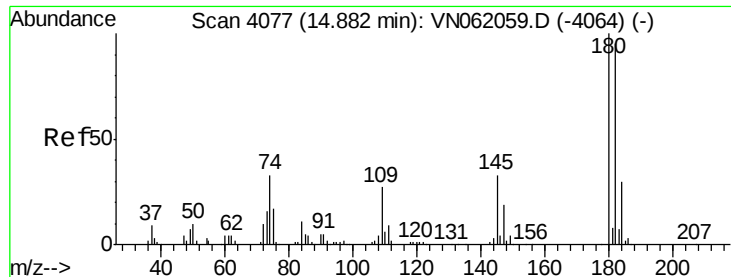
Tot Ion:146 Resp: 321411
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.2 63.6
 148 64.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.751 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion: 75 Resp: 42004
 Ion Ratio Lower Upper
 75 100
 155 83.5 40.8 122.4
 157 106.9 51.4 154.3

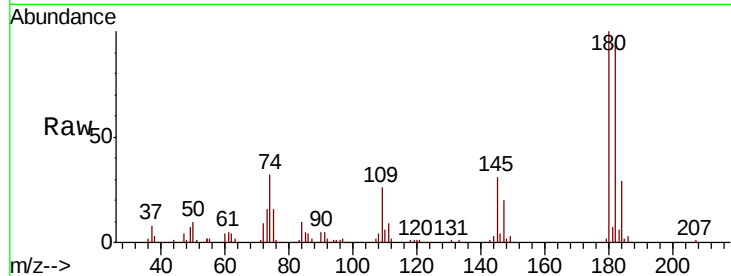




#93
 1,2,4-Trichlorobenzene
 Concen: 51.202 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	31.3	16.0	48.0

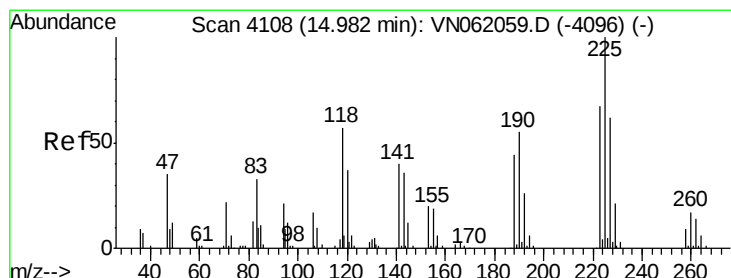
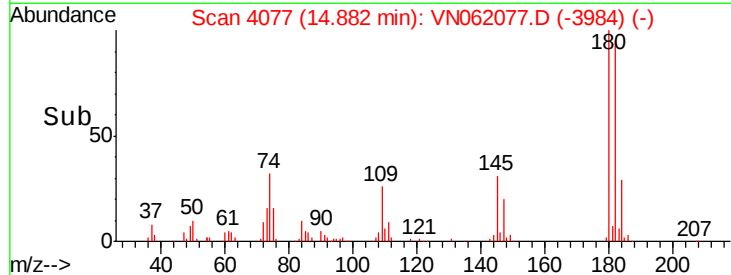
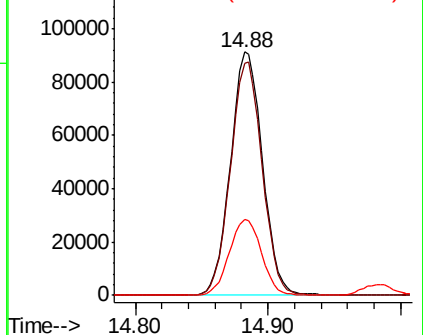


Abundance

Ion 179.80 (179.50 to 180.50): V

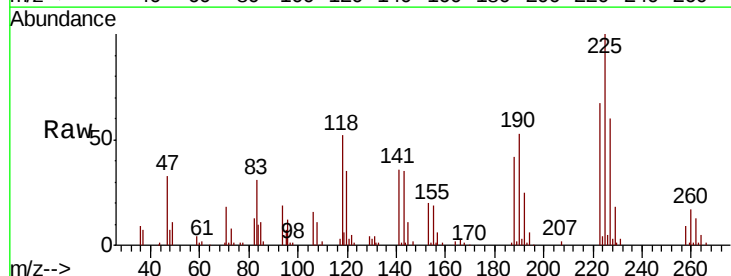
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.196 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062077.D
 Acq: 24 Jun 2020 21:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.9	98.7
227	62.6	31.3	93.8

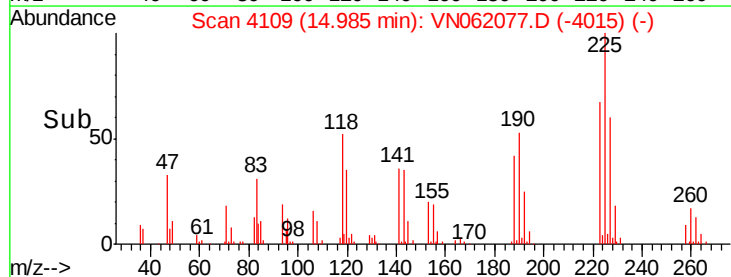
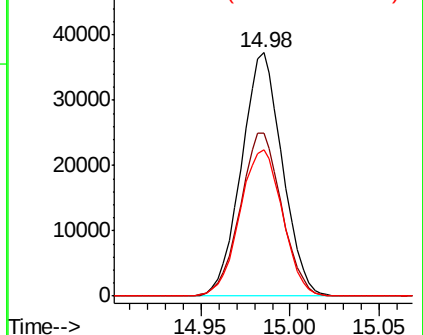


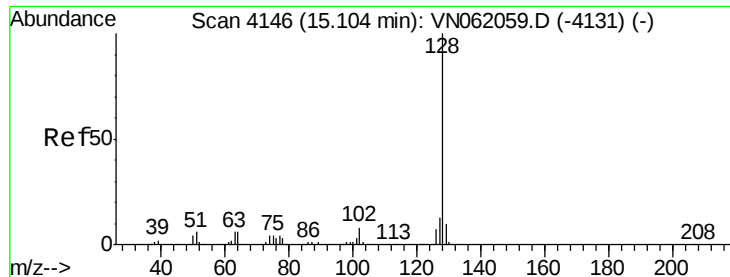
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

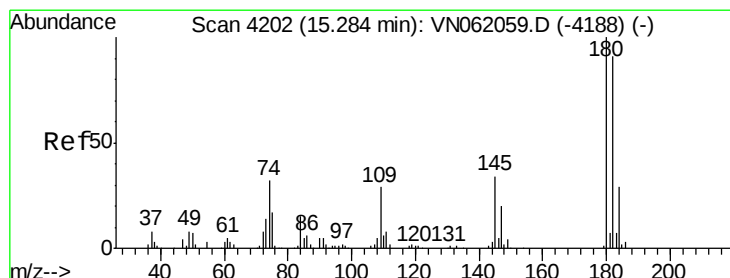
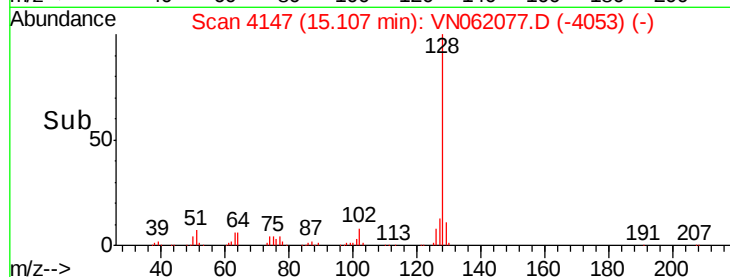
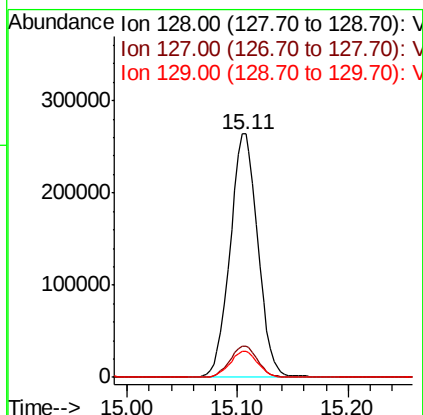
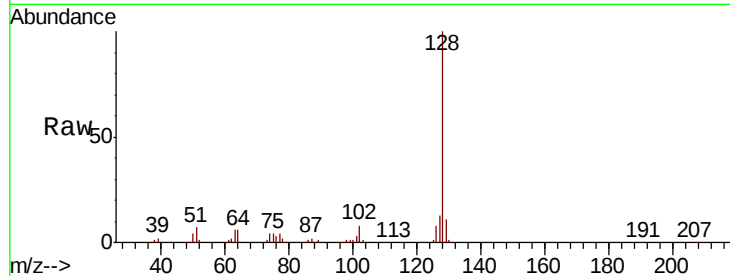




#95
Naphthalene
Concen: 46.628 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	128	Resp	461145
Ion Ratio	100		
Lower	10.5		
Upper	15.7		
127	12.8		
129	10.7		



#96
1,2,3-Trichlorobenzene
Concen: 50.134 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062077.D
Acq: 24 Jun 2020 21:02

Tgt Ion	180	Resp	153012
Ion Ratio	100		
Lower	46.8		
Upper	140.4		
182	95.2		
145	32.8		

