

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062153.D
 Acq On : 26 Jun 2020 20:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 27 03:46:53 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	267274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	487085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	458334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222036	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	198867	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	7.55	113	156667	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.06	98	624595	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.38	95	220546	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	157930	52.276	ug/l	99
3) Chloromethane	2.03	50	229823	65.019	ug/l	98
4) Vinyl Chloride	2.16	62	245679	51.640	ug/l	100
5) Bromomethane	2.52	94	155211	50.478	ug/l	97
6) Chloroethane	2.66	64	154167	47.436	ug/l	99
7) Trichlorofluoromethane	2.98	101	261486	44.605	ug/l	99
8) Diethyl Ether	3.37	74	111276	54.360	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	148110	48.246	ug/l	98
10) Methyl Iodide	3.91	142	186292	53.883	ug/l	99
11) Tert butyl alcohol	4.73	59	150610	279.671	ug/l	100
12) 1,1-Dichloroethene	3.69	96	153912	50.151	ug/l	99
13) Acrolein	3.56	56	164760	312.491	ug/l	99
14) Allyl chloride	4.27	41	230328	55.124	ug/l	99
15) Acrylonitrile	4.93	53	394611	268.900	ug/l	99
16) Acetone	3.77	43	323241	274.964	ug/l	97
17) Carbon Disulfide	4.01	76	424406	48.283	ug/l	100
18) Methyl Acetate	4.28	43	159970	53.652	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	542636	55.334	ug/l	100
20) Methylene Chloride	4.50	84	182567	53.036	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	167156	47.812	ug/l	96
22) Diisopropyl ether	5.90	45	526978	55.392	ug/l	100
23) Vinyl Acetate	5.84	43	2200377	283.284	ug/l	98
24) 1,1-Dichloroethane	5.80	63	309263	50.482	ug/l	100
25) 2-Butanone	6.78	43	488656	266.542	ug/l	98
26) 2,2-Dichloropropane	6.77	77	212861	41.696	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	198429	50.439	ug/l	99
28) Bromochloromethane	7.15	49	137772	51.832	ug/l	95
29) Tetrahydrofuran	7.17	42	326619	271.976	ug/l	99
30) Chloroform	7.33	83	305155	48.958	ug/l	100
31) Cyclohexane	7.61	56	257995	49.787	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	257654	49.017	ug/l	99
36) 1,1-Dichloropropene	7.75	75	228449	46.661	ug/l	99
37) Ethyl Acetate	6.88	43	213502	52.663	ug/l	98
38) Carbon Tetrachloride	7.73	117	212800	46.103	ug/l	98

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 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)
39) Methylcyclohexane	9.05	83	265566	49.505	ug/l	98
40) Benzene	8.00	78	704459	47.208	ug/l	98
41) Methacrylonitrile	7.16	41	299172	159.176	ug/l #	14
42) 1,2-Dichloroethane	8.08	62	244713	48.537	ug/l	100
43) Isopropyl Acetate	8.13	43	351002	53.111	ug/l #	90
44) Trichloroethene	8.80	130	171581	45.581	ug/l	98
45) 1,2-Dichloropropane	9.08	63	179372	48.723	ug/l	100
46) Dibromomethane	9.17	93	119351	47.816	ug/l	96
47) Bromodichloromethane	9.37	83	243414	48.297	ug/l	99
48) Methyl methacrylate	9.17	41	155381	52.436	ug/l	97
49) 1,4-Dioxane	9.17	88	64260	977.888	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1033666	267.702	ug/l	99
52) Toluene	10.12	92	452690	49.718	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	268587	48.439	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	293360	49.695	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	174213	48.675	ug/l	99
56) Ethyl methacrylate	10.40	69	262252	54.905	ug/l	97
57) 1,3-Dichloropropane	10.68	76	300942	48.850	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	503096	247.559	ug/l	99
59) 2-Hexanone	10.72	43	765666	274.608	ug/l	98
60) Dibromochloromethane	10.87	129	181145	47.805	ug/l	99
61) 1,2-Dibromoethane	10.98	107	175574	47.741	ug/l	99
64) Tetrachloroethene	10.60	164	136294	43.533	ug/l	99
65) Chlorobenzene	11.41	112	469626	46.659	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	164150	47.164	ug/l	100
67) Ethyl Benzene	11.48	91	856741	50.400	ug/l	99
68) m/p-Xylenes	11.60	106	652851	99.296	ug/l	98
69) o-Xylene	11.92	106	315957	50.933	ug/l	98
70) Styrene	11.94	104	539129	52.111	ug/l	98
71) Bromoform	12.10	173	119720	48.380	ug/l #	99
73) Isopropylbenzene	12.22	105	837975	48.755	ug/l	99
74) N-amyl acetate	12.04	43	319008	50.393	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	260005	45.459	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	325895	62.349	ug/l #	100
77) Bromobenzene	12.50	156	317746	74.465	ug/l	54
78) n-propylbenzene	12.57	91	971747	49.428	ug/l	99
79) 2-Chlorotoluene	12.65	91	568553	47.837	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	714093	51.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	84072	46.973	ug/l	98
82) 4-Chlorotoluene	12.75	91	594417	48.364	ug/l	98
83) tert-Butylbenzene	12.97	119	595673	49.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	726289	52.193	ug/l	99
85) sec-Butylbenzene	13.15	105	800378	50.798	ug/l	100
86) p-Isopropyltoluene	13.26	119	711610	51.551	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	351848	46.957	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	351876	45.557	ug/l	99
89) n-Butylbenzene	13.59	91	613292	53.439	ug/l	100
90) Hexachloroethane	13.85	117	128506	47.448	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	343401	47.262	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	45526	49.688	ug/l	98

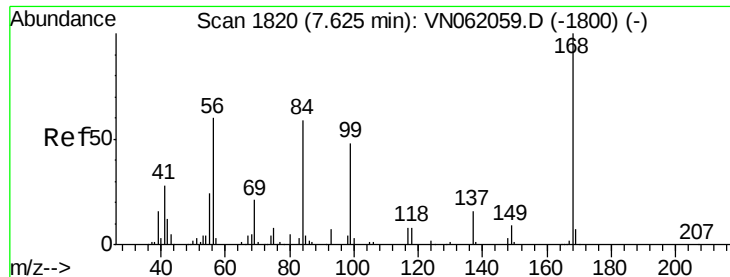
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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	165055	52.000	ug/l	98
94) Hexachlorobutadiene	14.98	225	65676	47.639	ug/l	99
95) Naphthalene	15.10	128	558565	52.556	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	162735	50.140	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

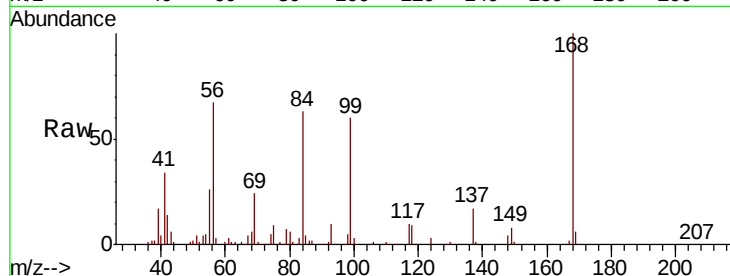
VSTDCCC050EC

Tot Ion:168 Resp: 267274

Ion Ratio Lower Upper

168 100

99 60.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

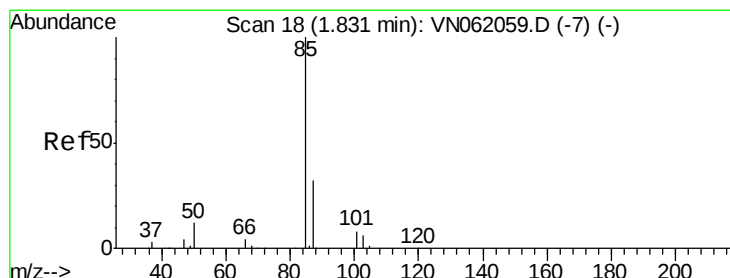
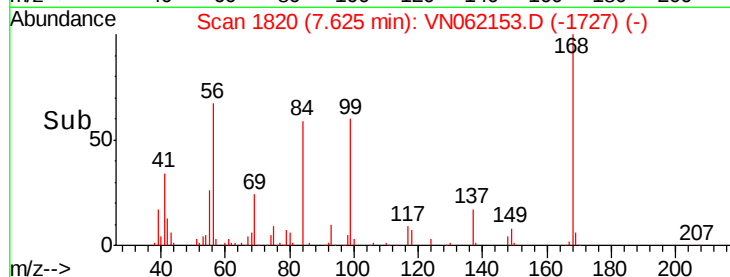
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 52.276 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062153.D

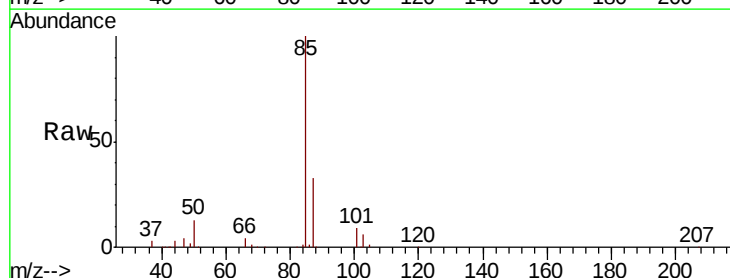
Acq: 26 Jun 2020 20:39

Tgt Ion: 85 Resp: 157930

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

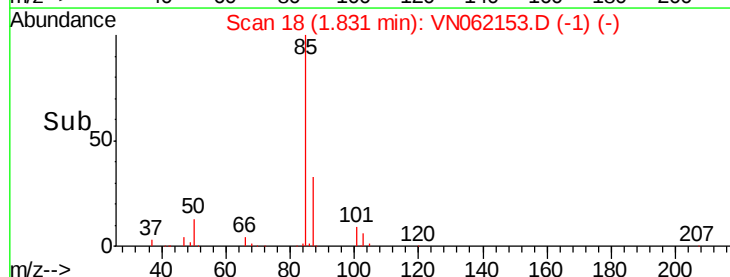
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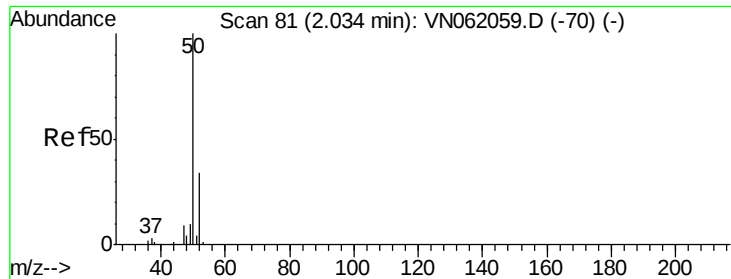
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 65.019 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

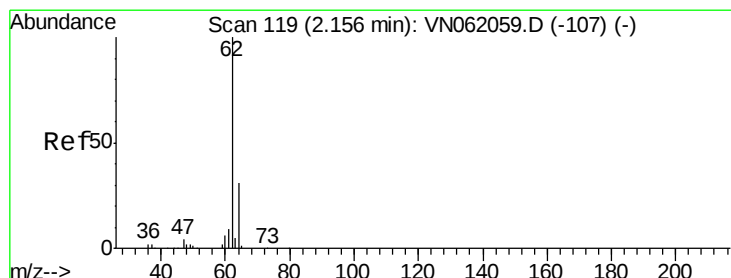
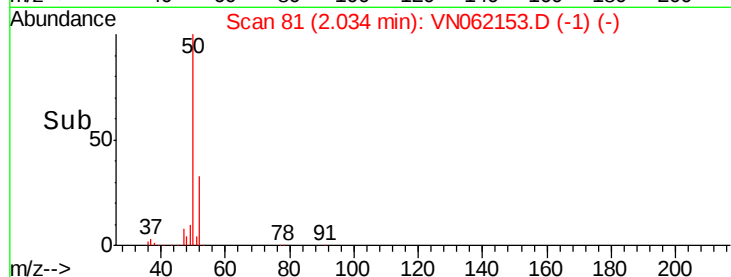
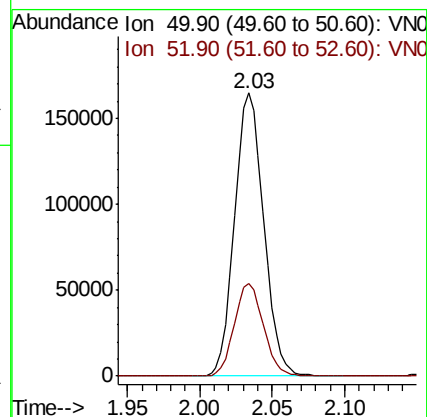
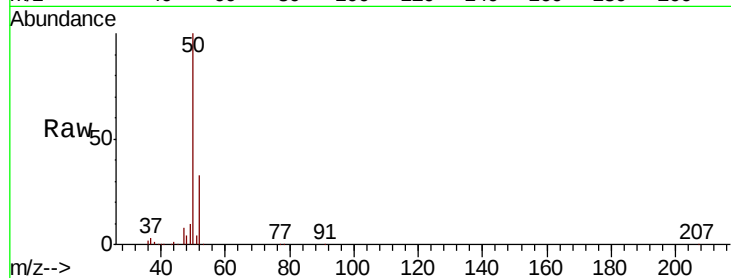
VSTDCCC050EC

Tot Ion: 50 Resp: 229823

Ion Ratio Lower Upper

50 100

52 32.8 27.0 40.6



#4

Vinyl Chloride

Concen: 51.640 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062153.D

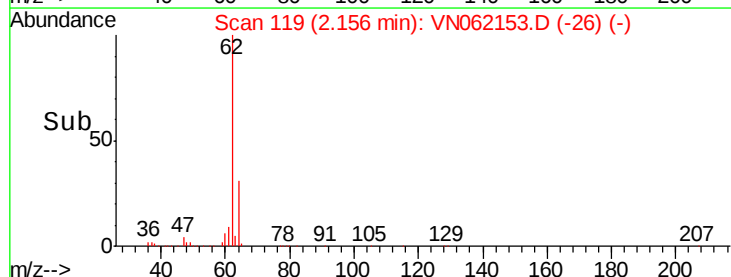
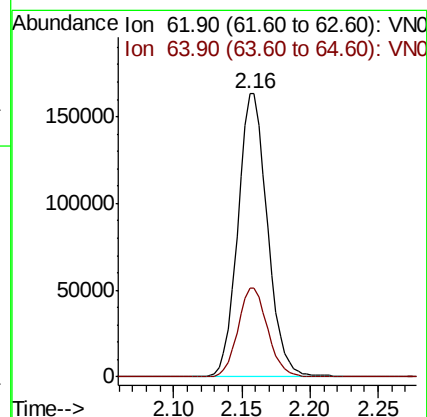
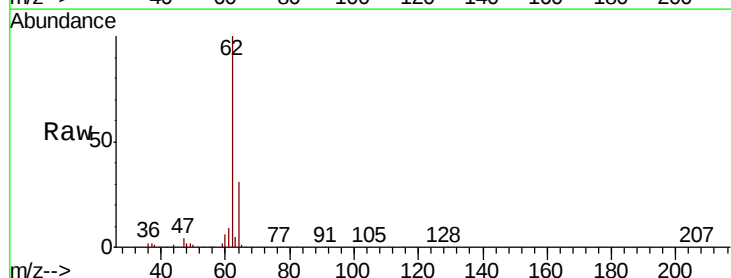
Acq: 26 Jun 2020 20:39

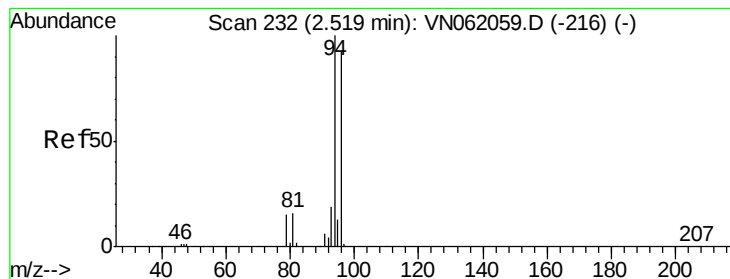
Tgt Ion: 62 Resp: 245679

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 50.478 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

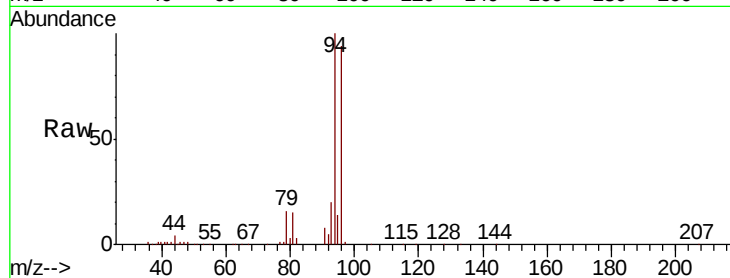
VSTDCCC050EC

Tot Ion: 94 Resp: 155211

Ion Ratio Lower Upper

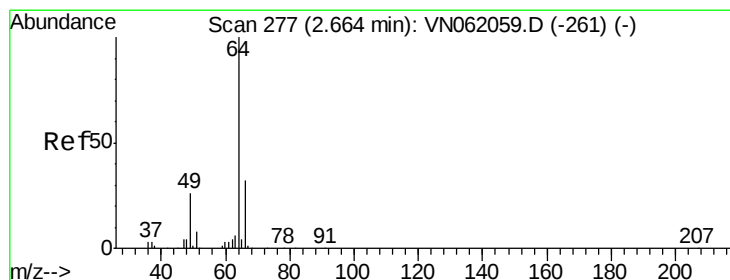
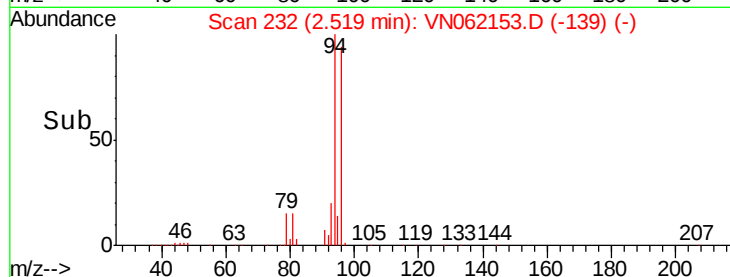
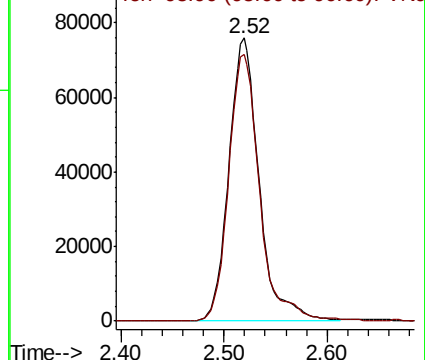
94 100

96 94.3 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.436 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062153.D

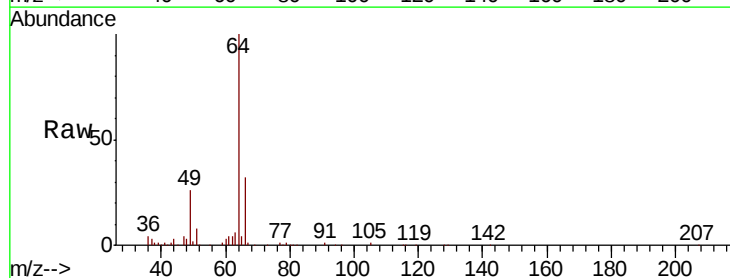
Acq: 26 Jun 2020 20:39

Tgt Ion: 64 Resp: 154167

Ion Ratio Lower Upper

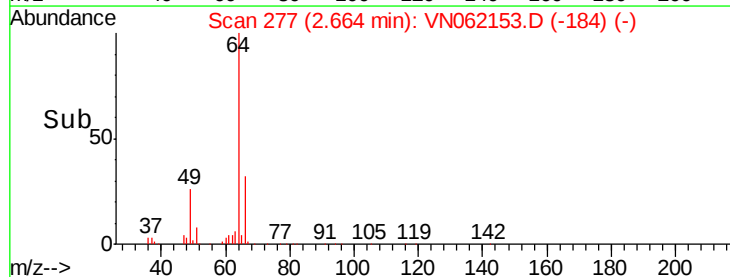
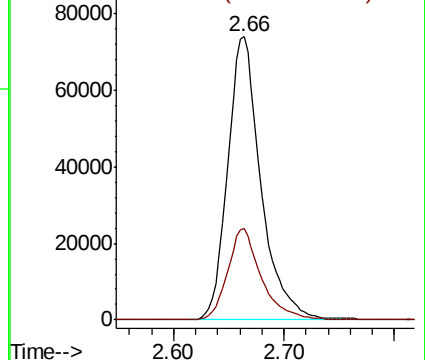
64 100

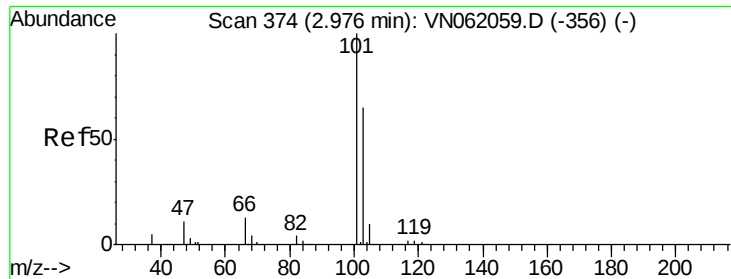
66 31.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



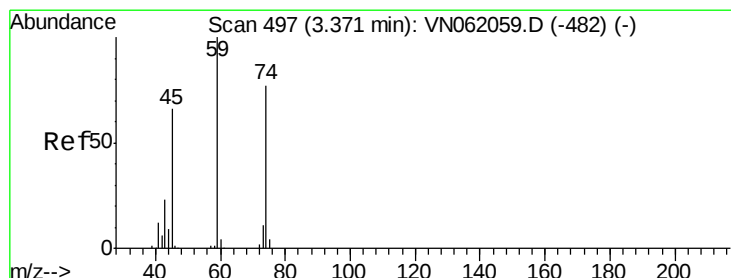
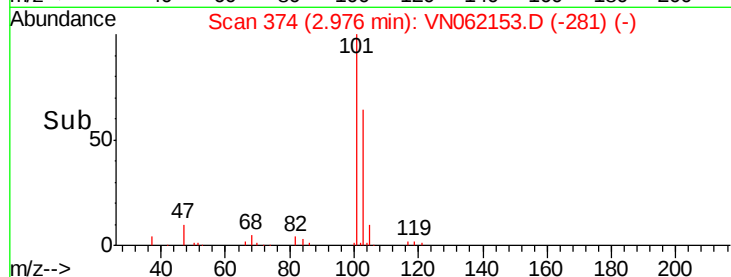
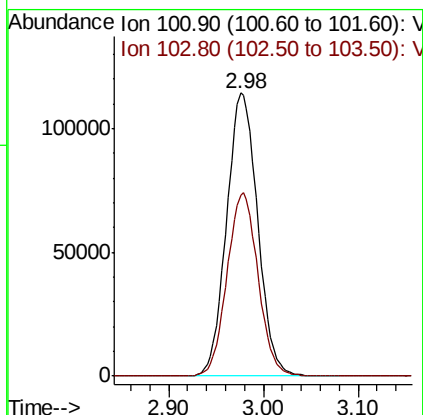
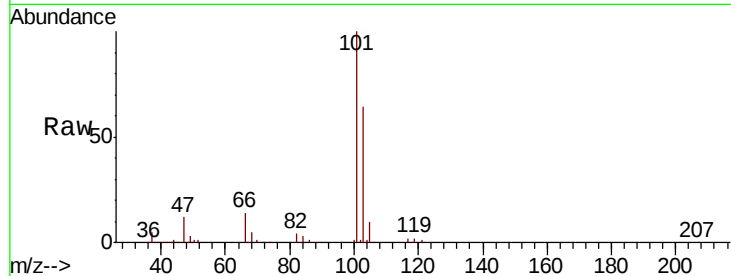


#7

Trichlorofluoromethane
Concen: 44.605 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062153.D
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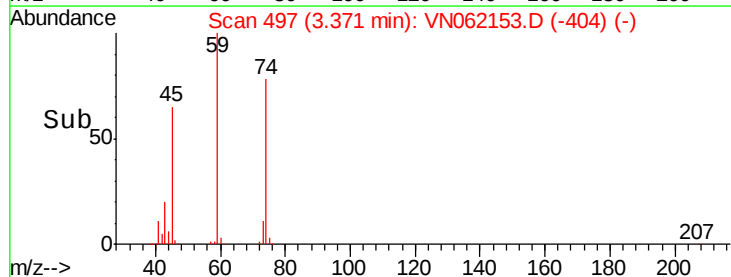
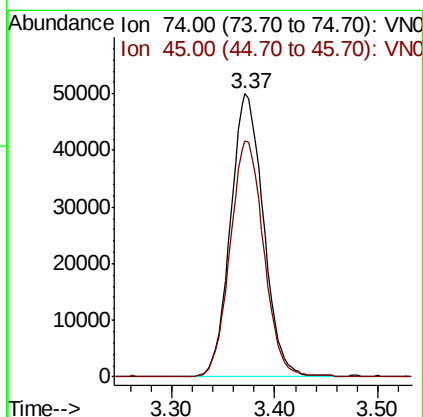
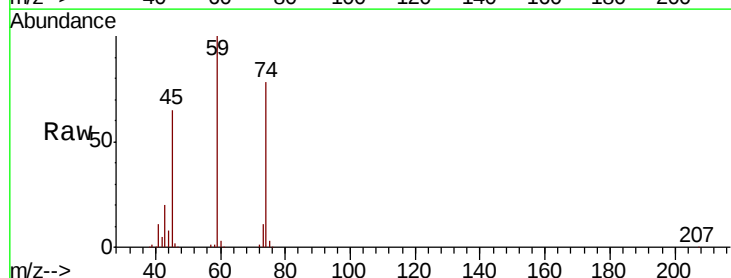
Tot Ion:101 Resp: 261486
Ion Ratio Lower Upper
101 100
103 63.8 51.8 77.6

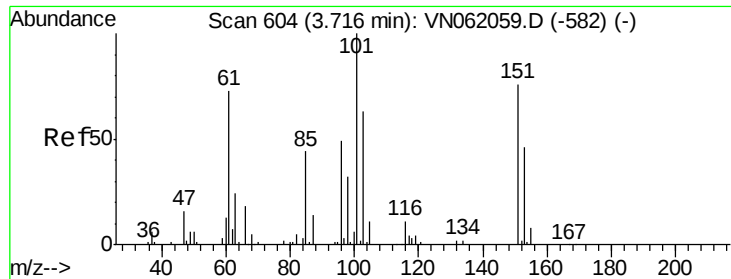


#8

Diethyl Ether
Concen: 54.360 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 74 Resp: 111276
Ion Ratio Lower Upper
74 100
45 85.1 42.5 127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.246 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

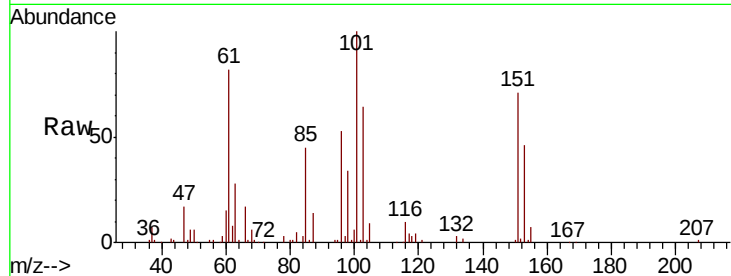
Tot Ion:101 Resp: 148110

Ion Ratio Lower Upper

101 100

85 44.6 34.5 51.7

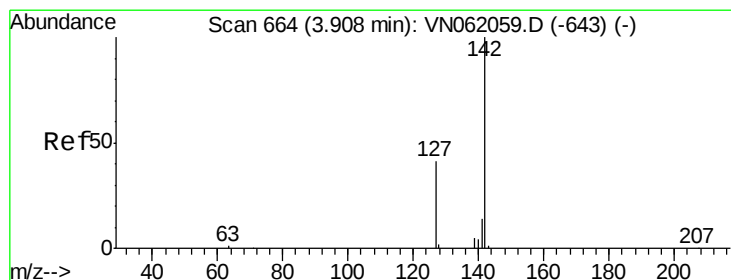
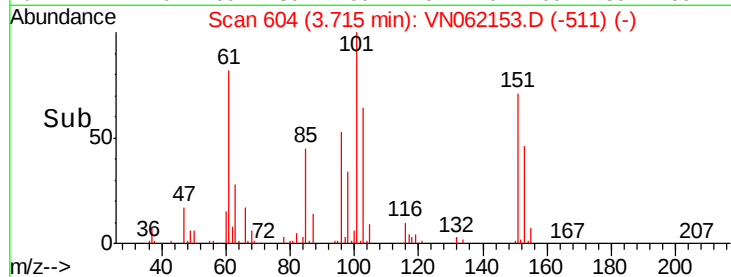
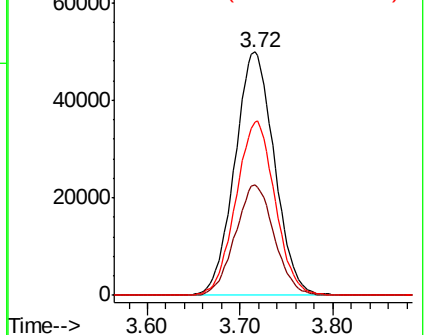
151 70.6 57.8 86.8



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: 53.883 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

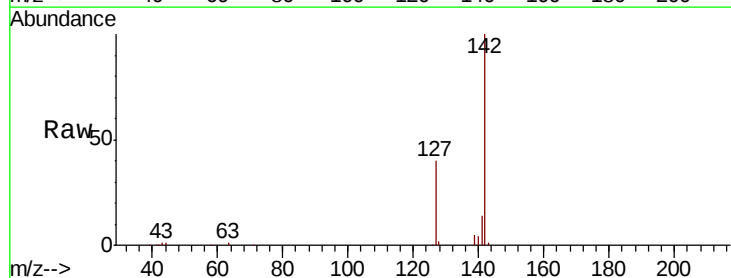
Tgt Ion:142 Resp: 186292

Ion Ratio Lower Upper

142 100

127 41.1 33.6 50.4

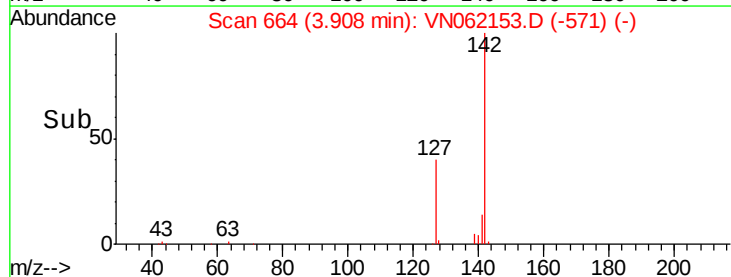
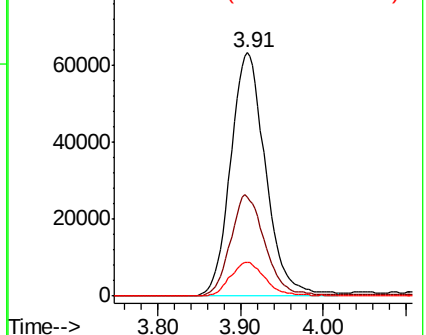
141 13.9 11.3 16.9

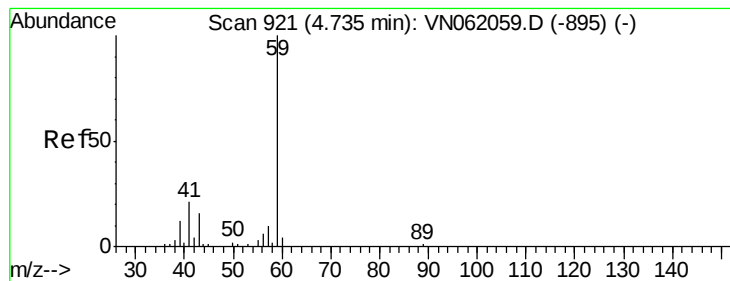


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



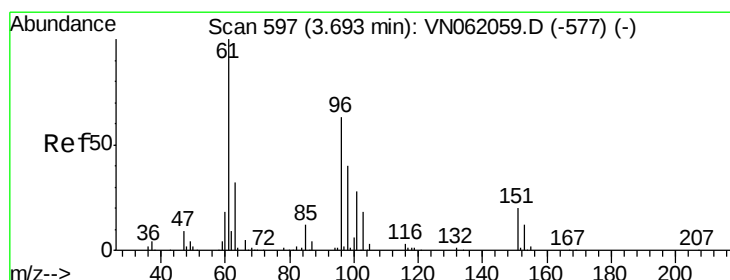
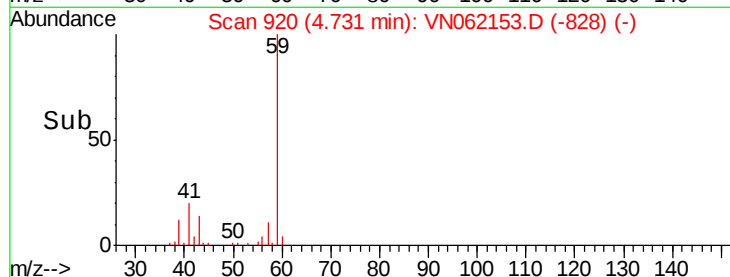
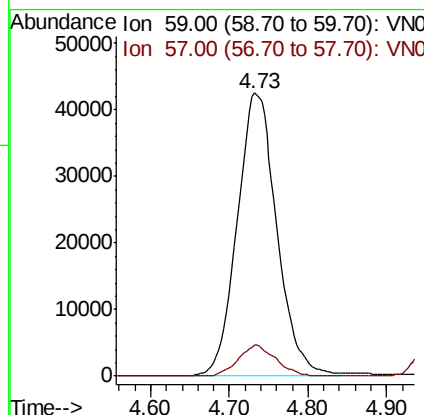
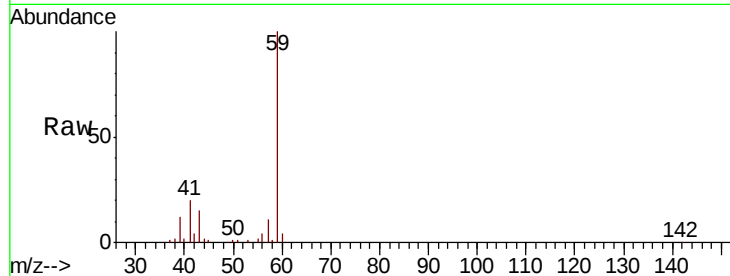


#11

Tert butyl alcohol
 Concen: 279.671 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

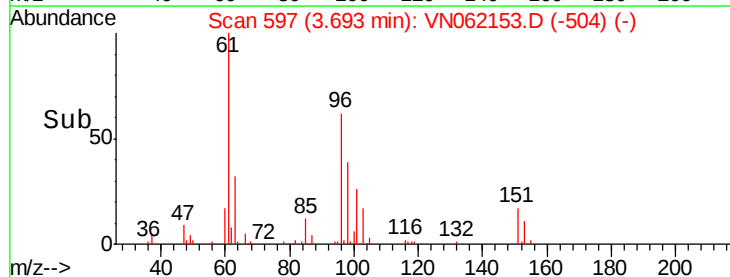
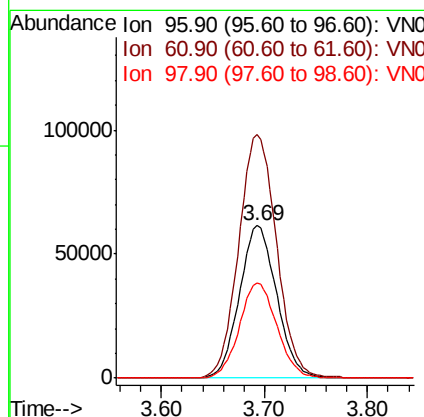
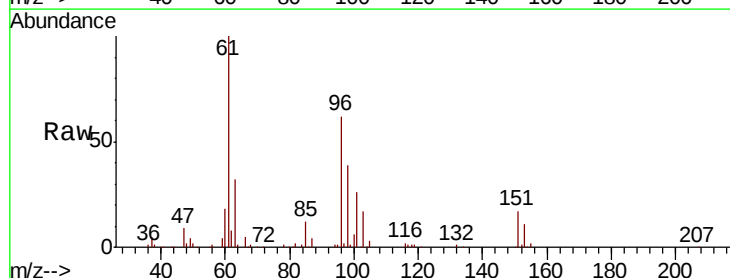
Tot Ion: 59 Resp: 150610
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

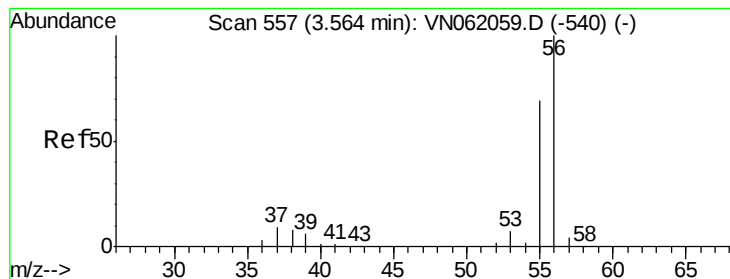


#12

1,1-Dichloroethene
 Concen: 50.151 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion: 96 Resp: 153912
 Ion Ratio Lower Upper
 96 100
 61 160.1 126.7 190.1
 98 62.6 51.0 76.4





#13

Acrolein

Concen: 312.491 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

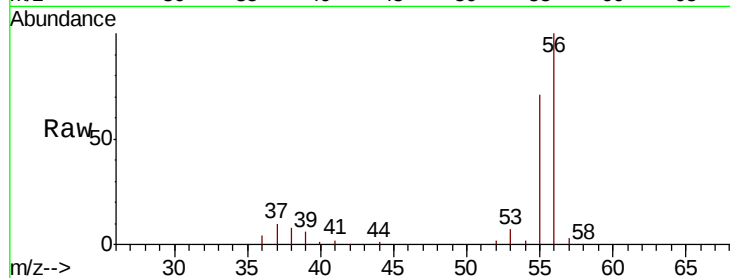
VSTDCCC050EC

Tot Ion: 56 Resp: 164760

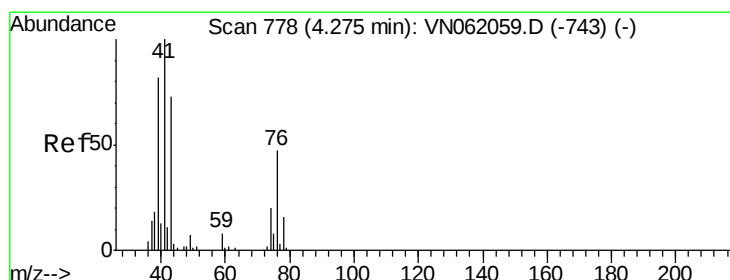
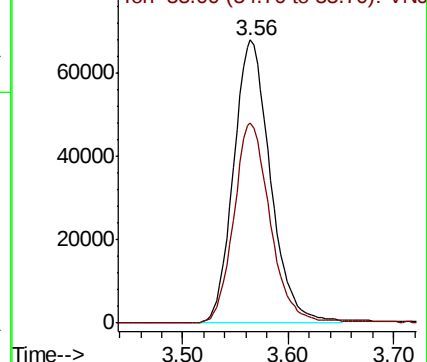
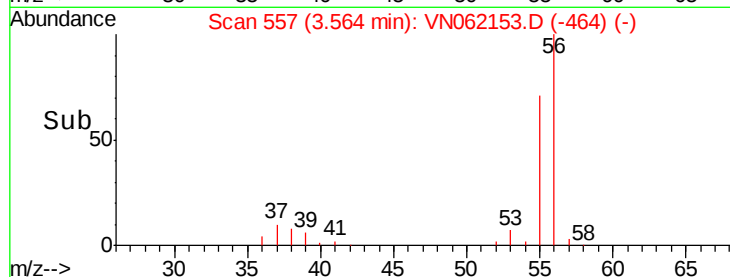
Ion Ratio Lower Upper

56 100

55 70.0 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN062153.D (-464) (-)



#14

Allyl chloride

Concen: 55.124 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

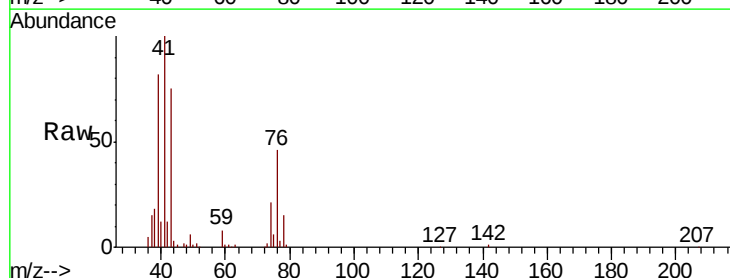
Tgt Ion: 41 Resp: 230328

Ion Ratio Lower Upper

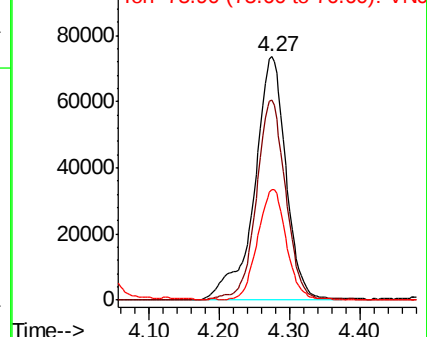
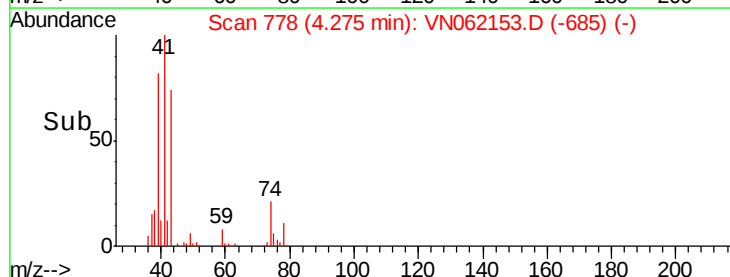
41 100

39 75.9 60.0 90.0

76 41.4 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062153.D (-685) (-)





#15

Acrylonitrile

Concen: 268.900 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

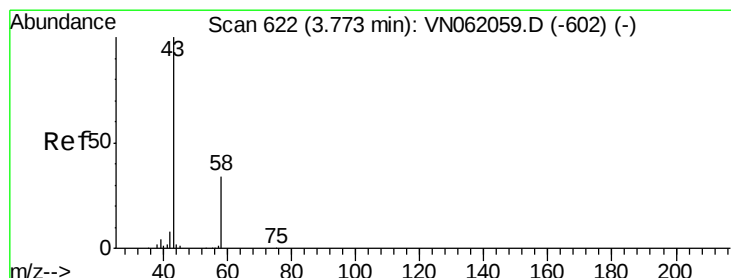
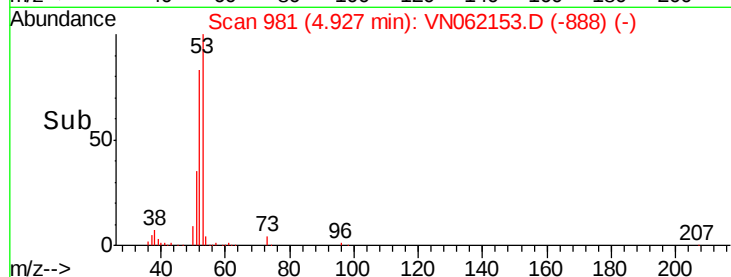
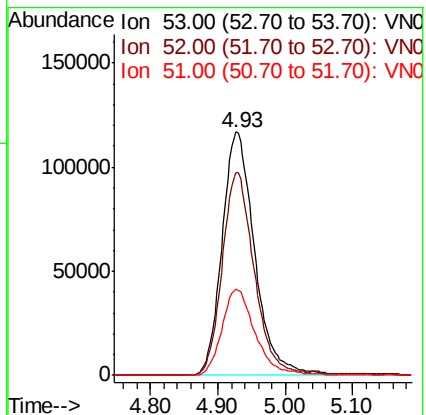
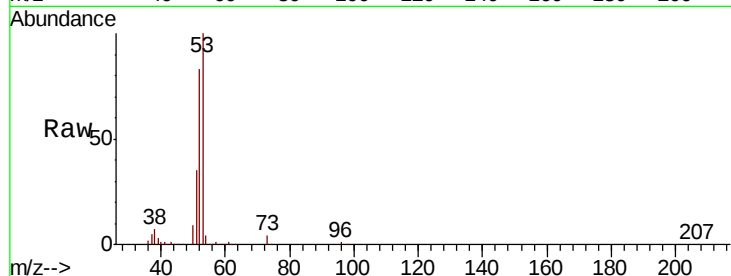
Tot Ion: 53 Resp: 394611

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.4

51 35.9 28.9 43.3



#16

Acetone

Concen: 274.964 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN062153.D

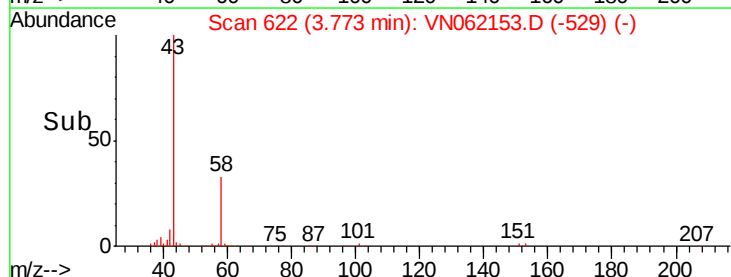
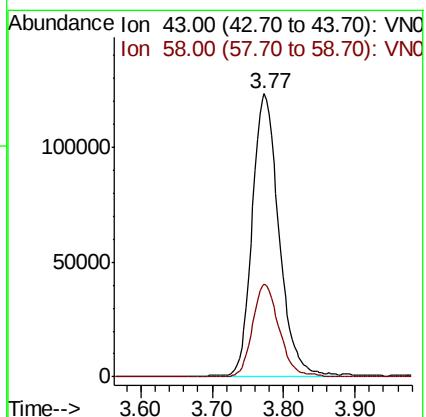
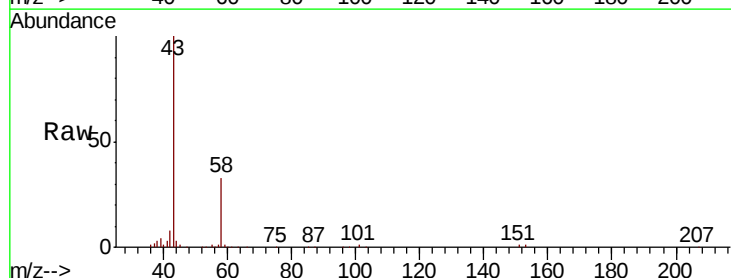
Acq: 26 Jun 2020 20:39

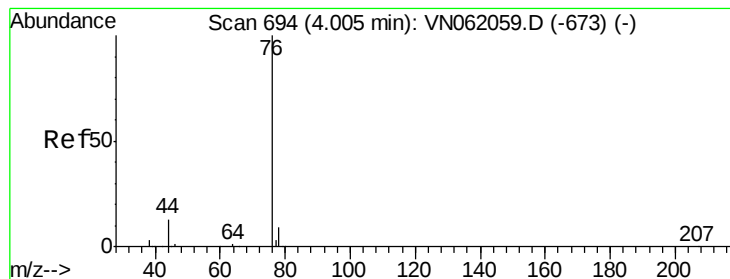
Tgt Ion: 43 Resp: 323241

Ion Ratio Lower Upper

43 100

58 32.6 27.5 41.3





#17

Carbon Disulfide

Concen: 48.283 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

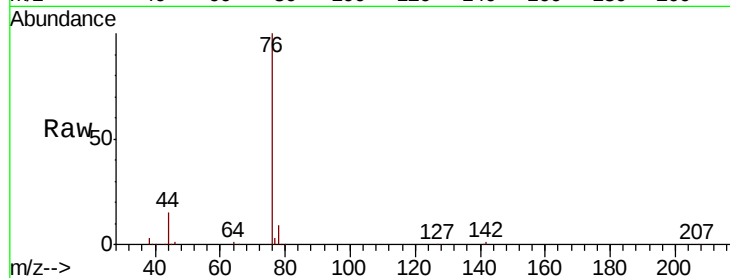
VSTDCCC050EC

Tot Ion: 76 Resp: 424406

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN062153.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062153.D (-673) (-)

4.01

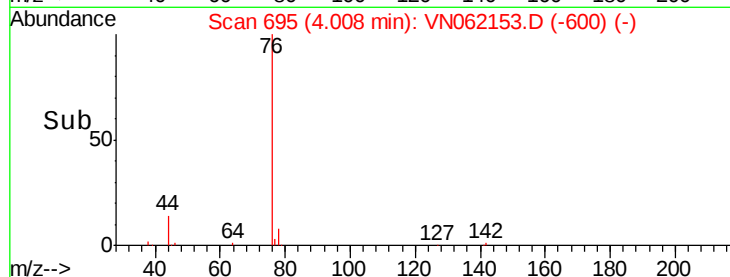
150000

100000

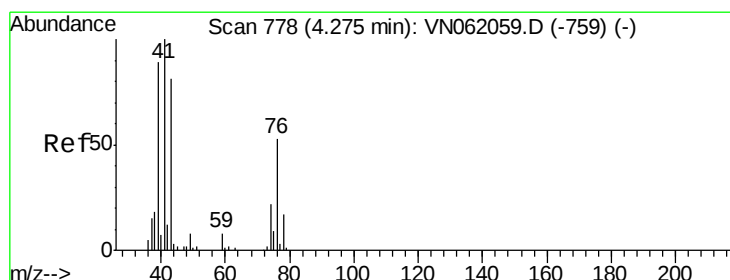
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 53.652 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062153.D

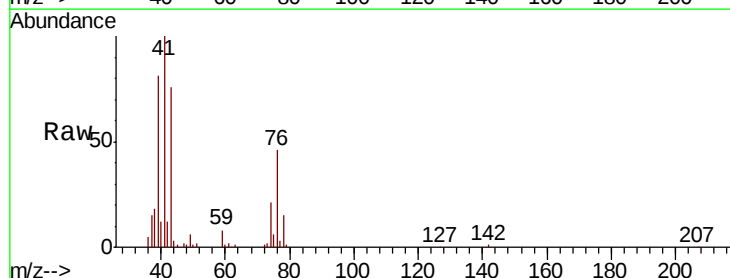
Acq: 26 Jun 2020 20:39

Tgt Ion: 43 Resp: 159970

Ion Ratio Lower Upper

43 100

74 27.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN062153.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062153.D (-685) (-)

4.28

60000

50000

40000

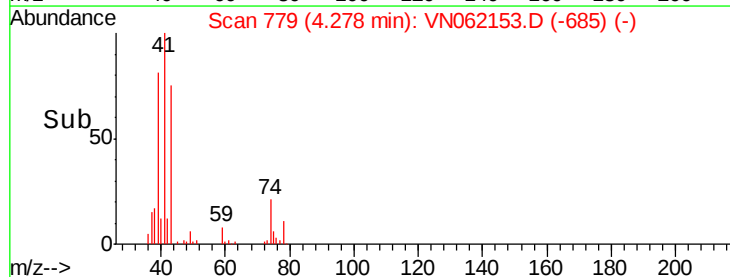
30000

20000

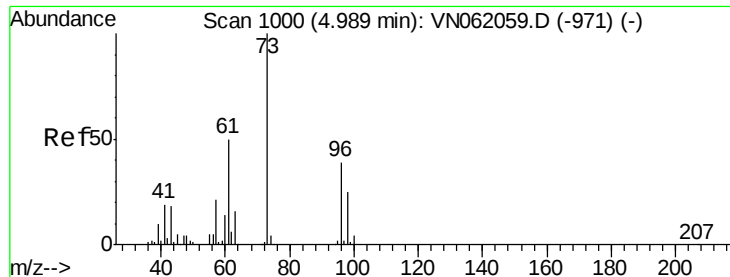
10000

0

Time-->



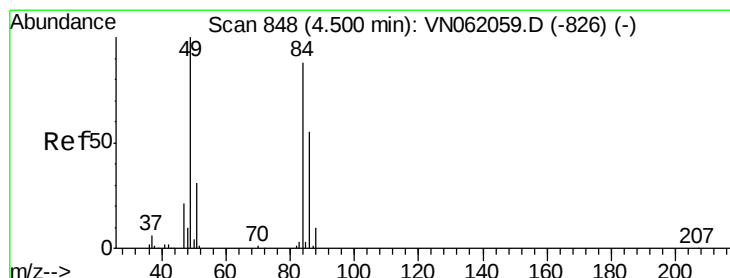
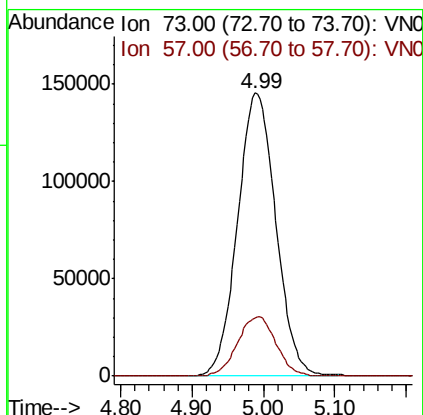
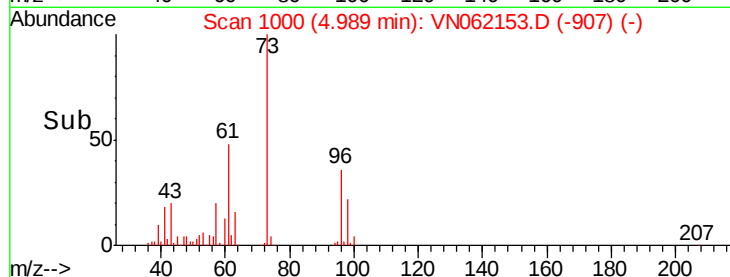
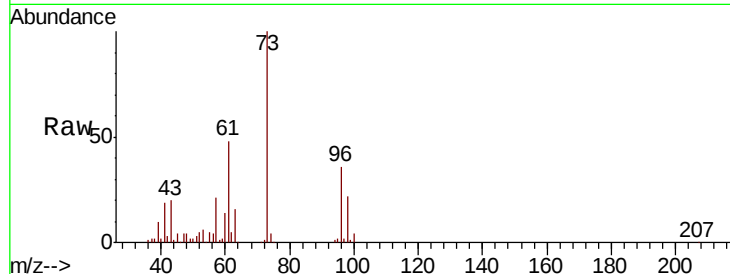
Time-->



#19
Methyl tert-butyl Ether
Concen: 55.334 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

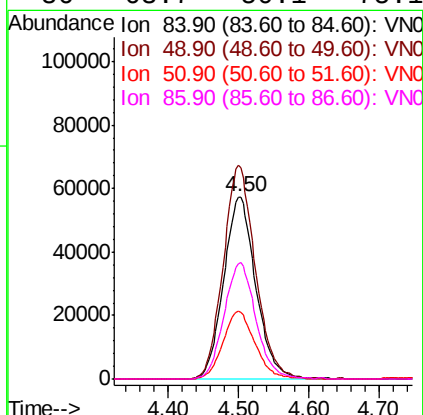
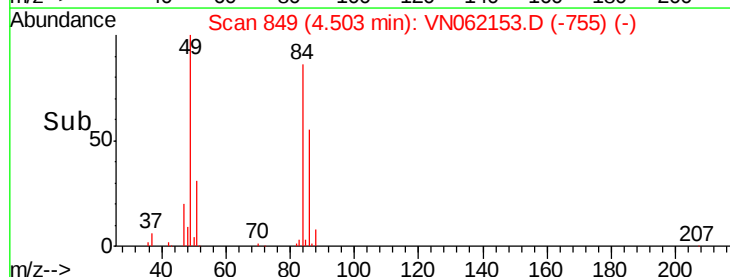
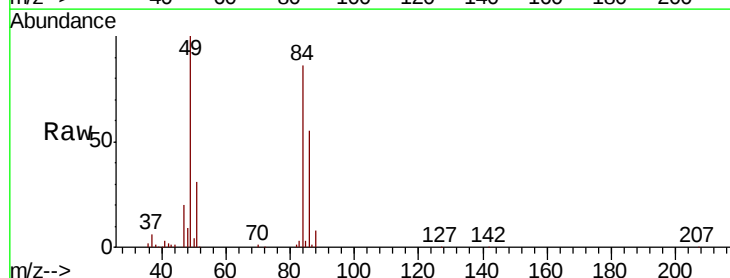
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

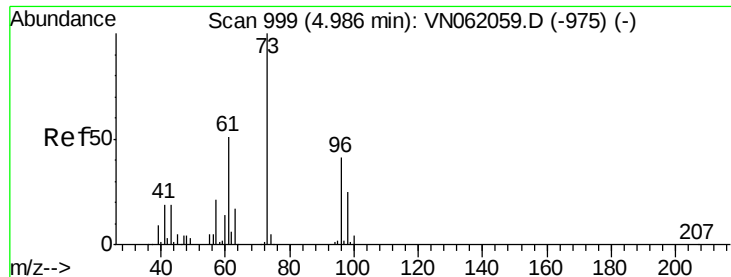
Tot Ion: 73 Resp: 542636
Ion Ratio Lower Upper
73 100
57 20.7 16.6 24.8



#20
Methylene Chloride
Concen: 53.036 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 84 Resp: 182567
Ion Ratio Lower Upper
84 100
49 115.8 90.6 136.0
51 36.4 27.8 41.8
86 63.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 47.812 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

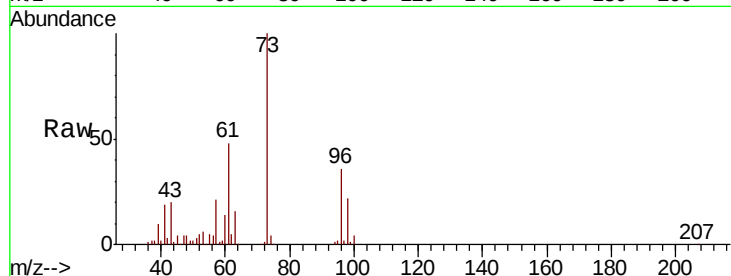
Tot Ion: 96 Resp: 167156

Ion Ratio Lower Upper

96 100

61 133.8 101.4 152.2

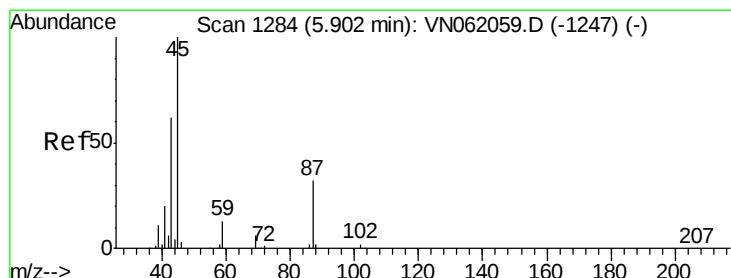
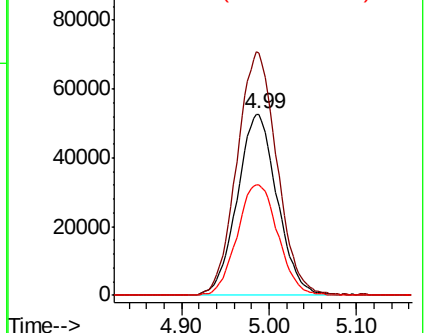
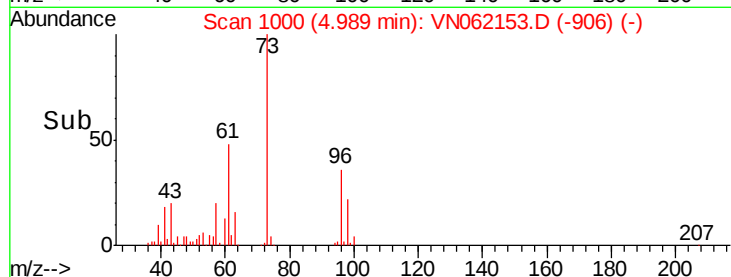
98 61.0 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN062153.D (-1000) (-)

Ion 60.90 (60.60 to 61.60): VN062153.D (-1000) (-)

Ion 97.90 (97.60 to 98.60): VN062153.D (-1000) (-)



#22

Diisopropyl ether

Concen: 55.392 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Tgt Ion: 45 Resp: 526978

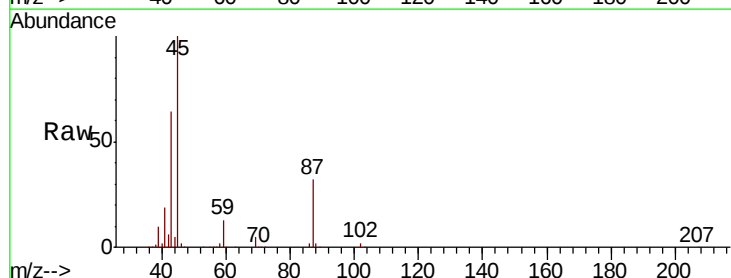
Ion Ratio Lower Upper

45 100

43 62.4 49.7 74.5

87 32.2 25.9 38.9

59 12.7 10.6 16.0

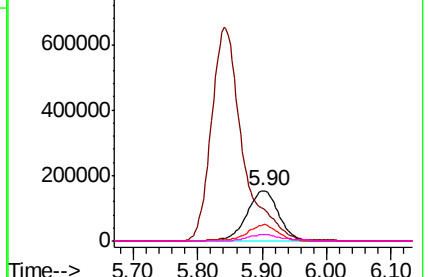
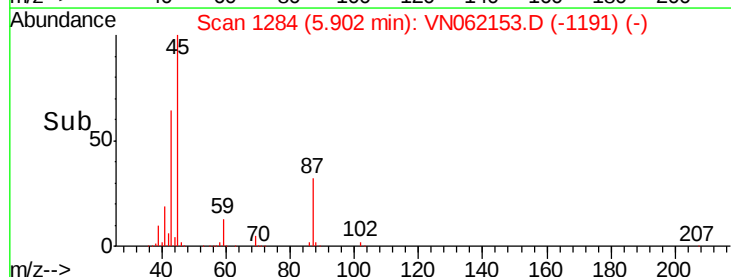


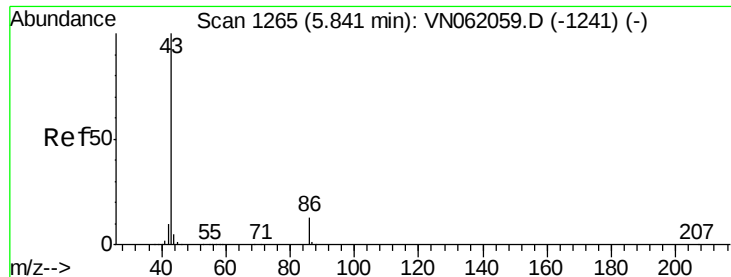
Abundance Ion 45.00 (44.70 to 45.70): VN062153.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062153.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062153.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062153.D (-1191) (-)

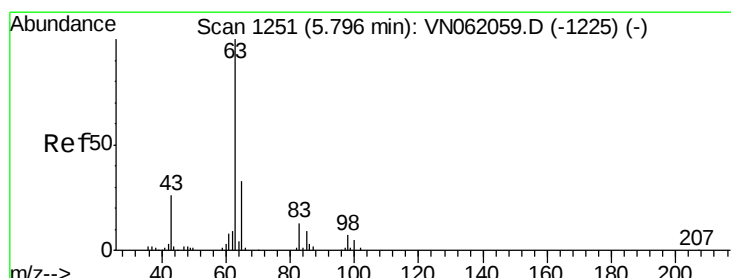
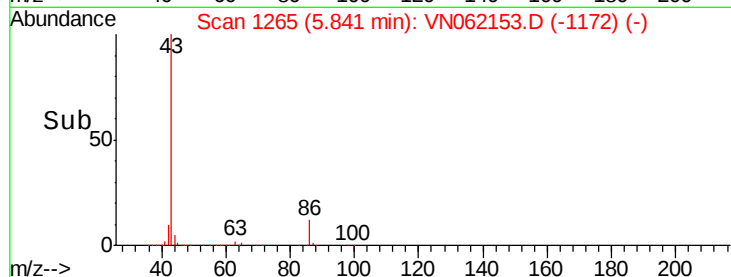
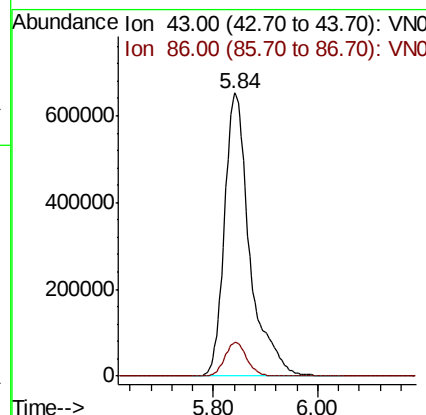
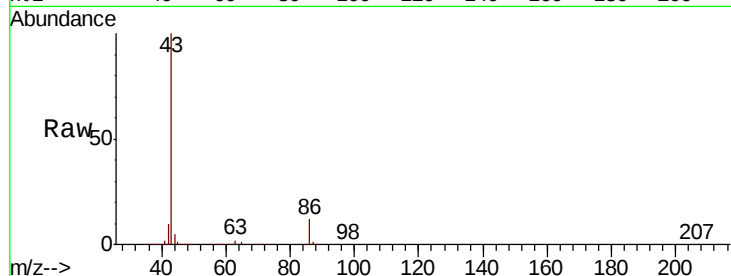




#23
 Vinyl Acetate
 Concen: 283.284 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

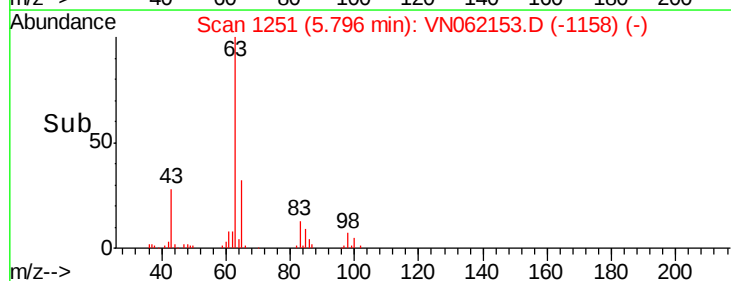
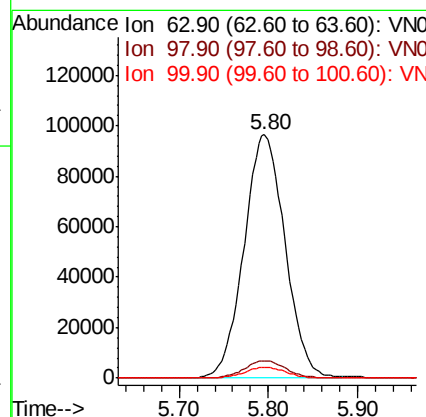
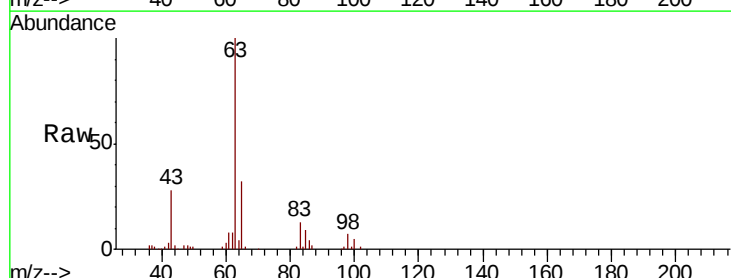
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

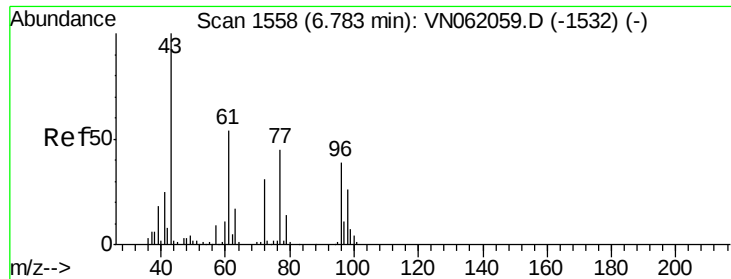
Tot Ion: 43 Resp: 2200377
 Ion Ratio Lower Upper
 43 100
 86 11.8 10.1 15.1



#24
 1,1-Dichloroethane
 Concen: 50.482 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion: 63 Resp: 309263
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.6 2.4 7.1

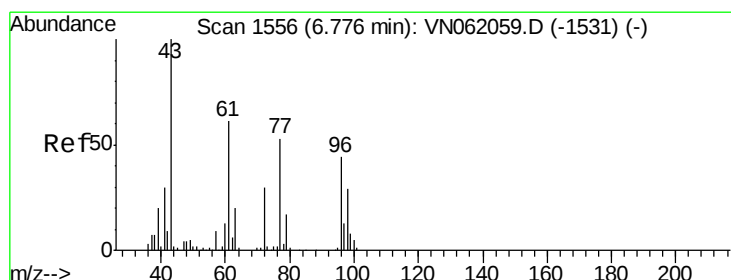
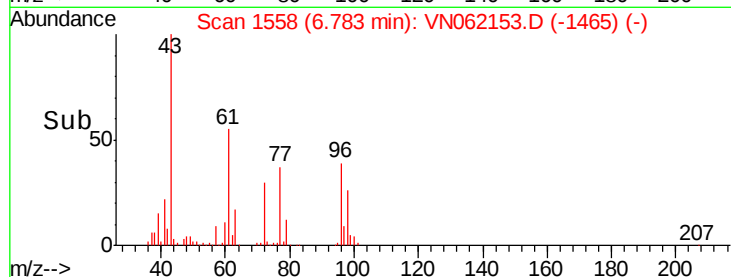
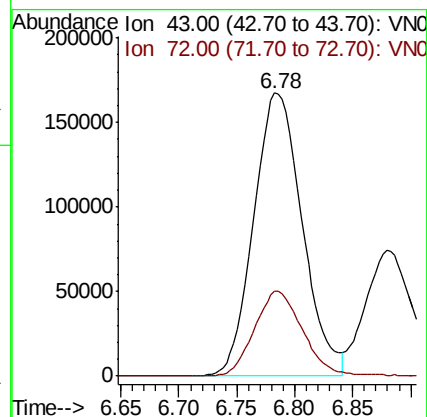
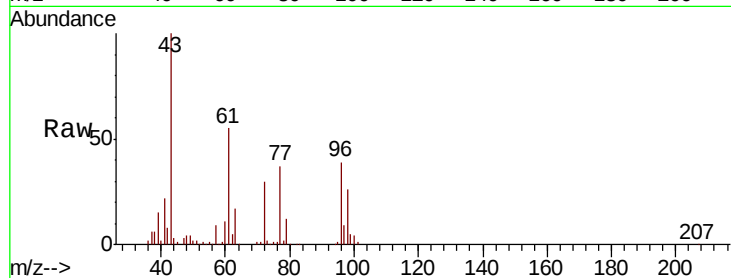




#25
2-Butanone
Concen: 266.542 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

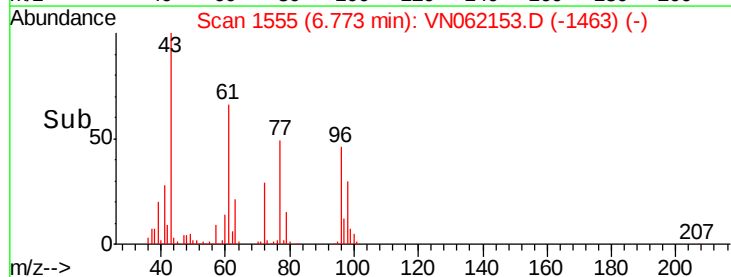
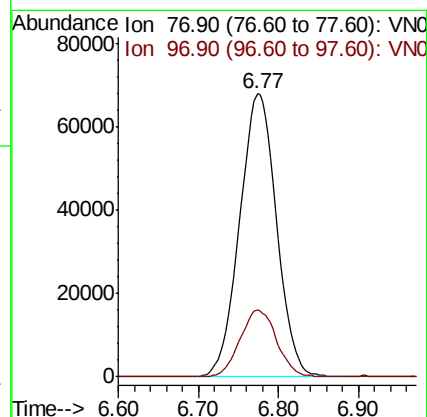
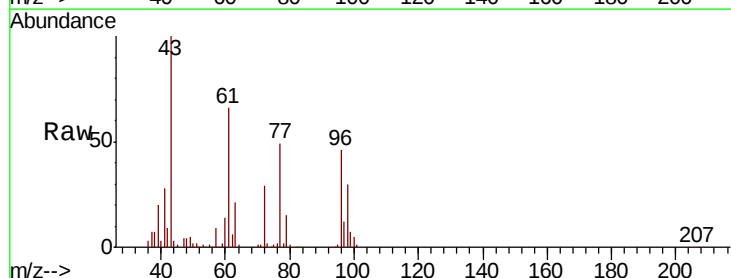
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

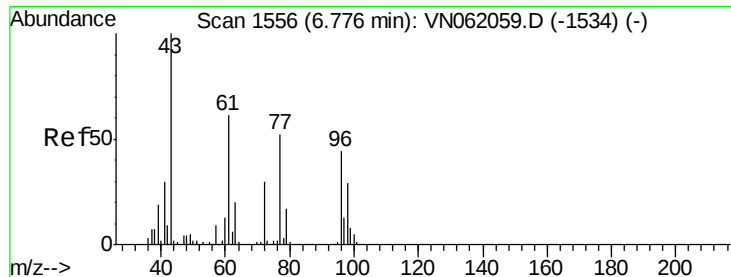
Tot Ion: 43 Resp: 488656
Ion Ratio Lower Upper
43 100
72 29.9 24.8 37.2



#26
2,2-Dichloropropane
Concen: 41.696 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 77 Resp: 212861
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.439 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

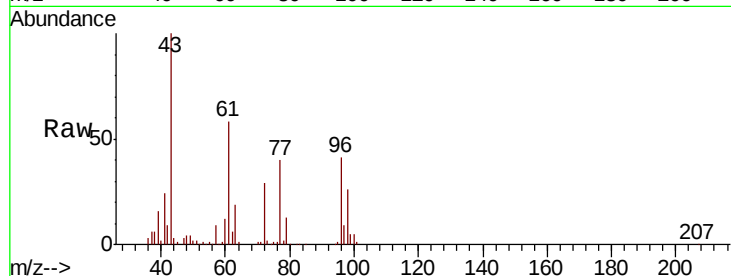
Tot Ion: 96 Resp: 198429

Ion Ratio Lower Upper

96 100

61 138.6 0.0 280.4

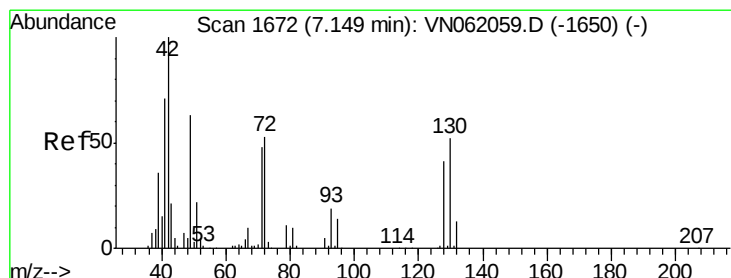
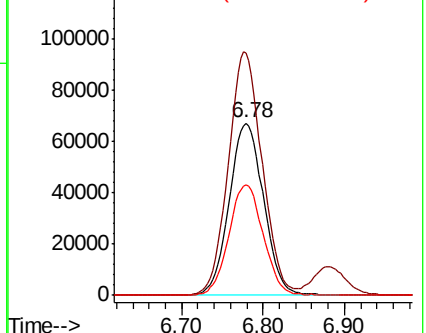
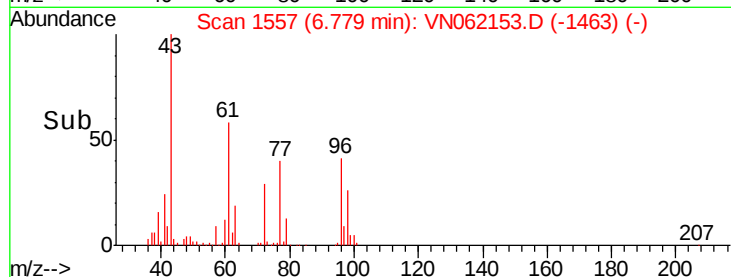
98 63.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062153.D (-1579) (-)

Ion 60.90 (60.60 to 61.60): VN062153.D (-1579) (-)

Ion 97.90 (97.60 to 98.60): VN062153.D (-1579) (-)



#28

Bromochloromethane

Concen: 51.832 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

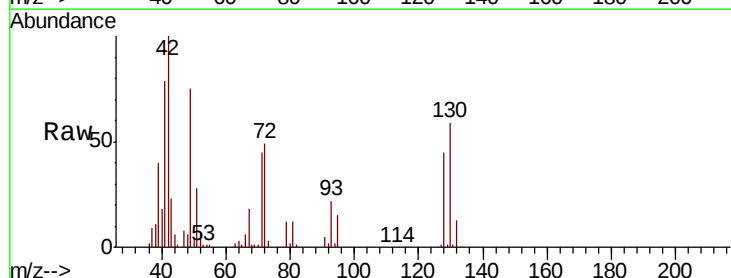
Tgt Ion: 49 Resp: 137772

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.4

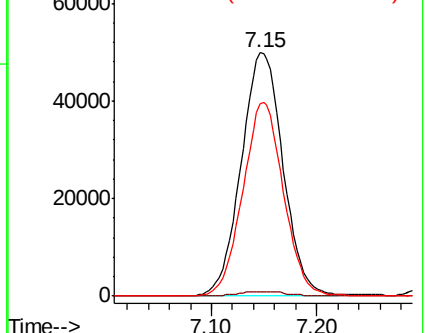
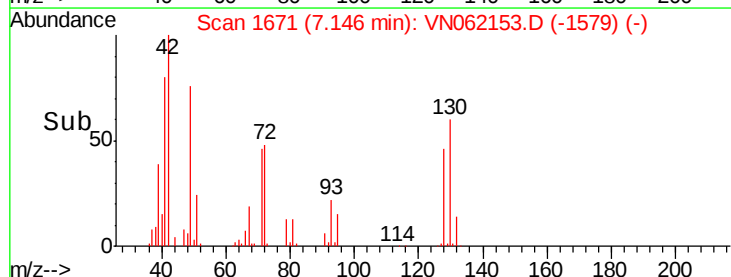
130 77.4 65.5 98.3



Abundance Ion 48.90 (48.60 to 49.60): VN062153.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062153.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062153.D (-1579) (-)

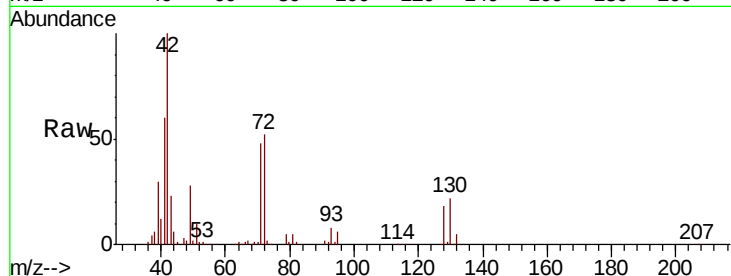




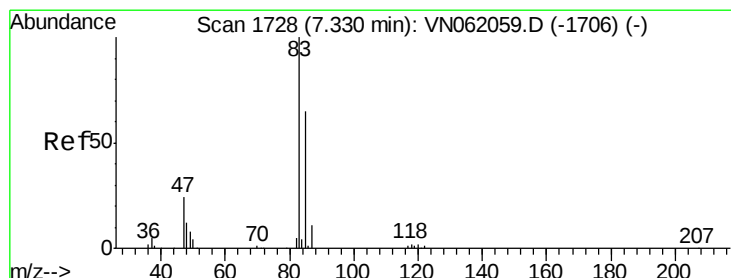
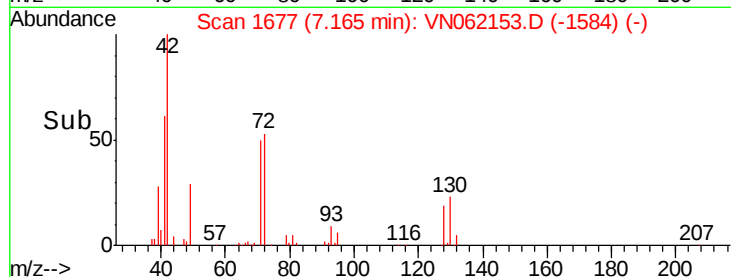
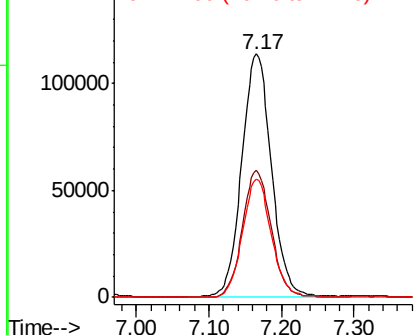
#29
Tetrahydrofuran
Concen: 271.976 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 326619
Ion Ratio Lower Upper
42 100
72 50.5 41.1 61.7
71 46.9 38.2 57.4

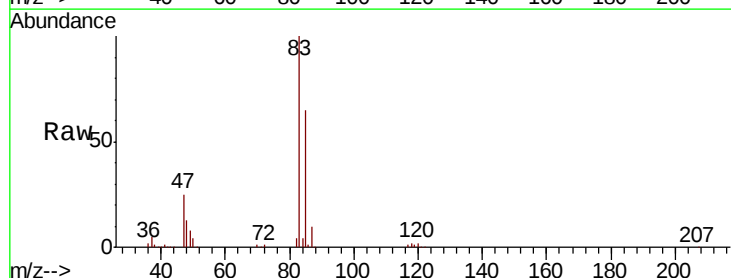


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

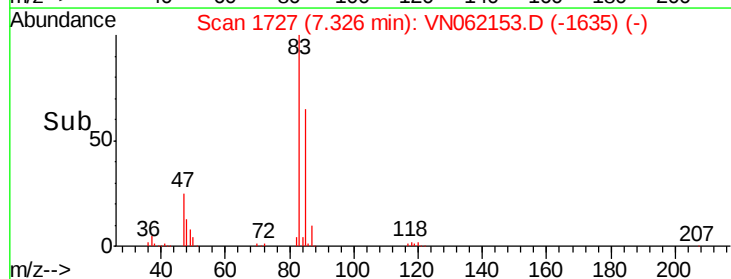
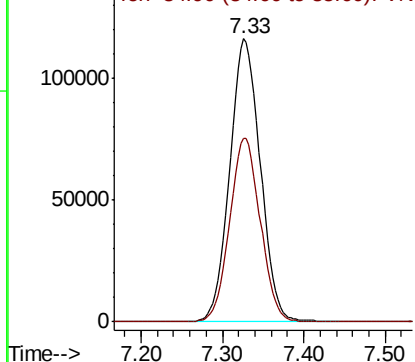


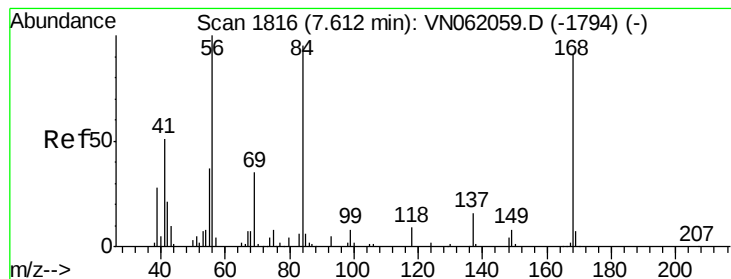
#30
Chloroform
Concen: 48.958 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 83 Resp: 305155
Ion Ratio Lower Upper
83 100
85 65.0 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: 49.787 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

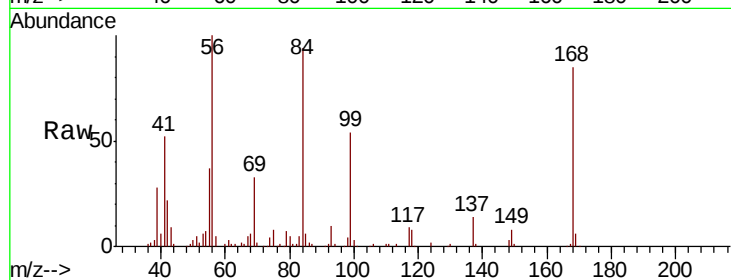
Tot Ion: 56 Resp: 257995

Ion Ratio Lower Upper

56 100

69 33.3 28.0 42.0

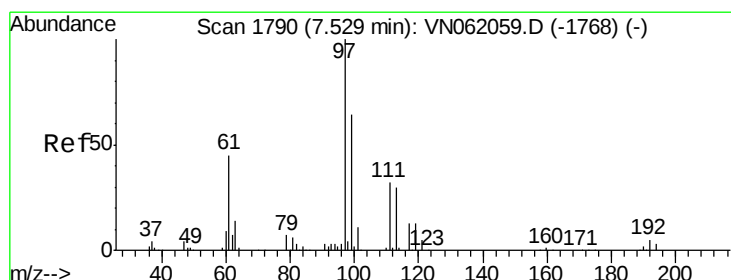
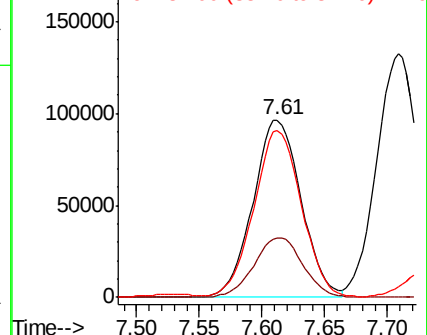
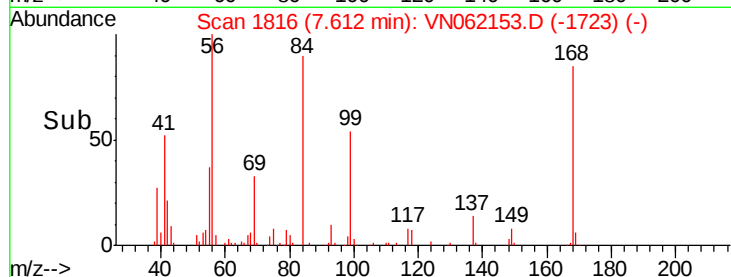
84 92.8 76.1 114.1



Abundance Ion 56.00 (55.70 to 56.70): VN062153.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062153.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062153.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 49.017 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

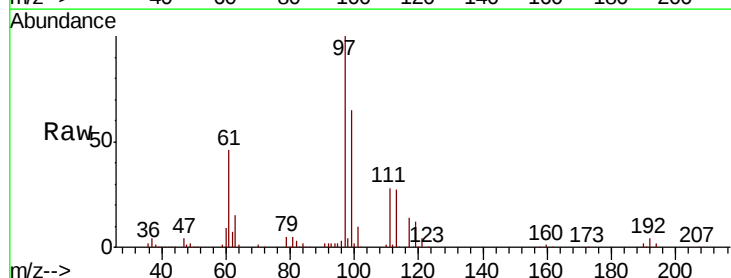
Tgt Ion: 97 Resp: 257654

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

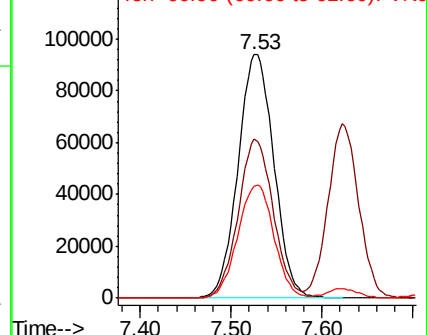
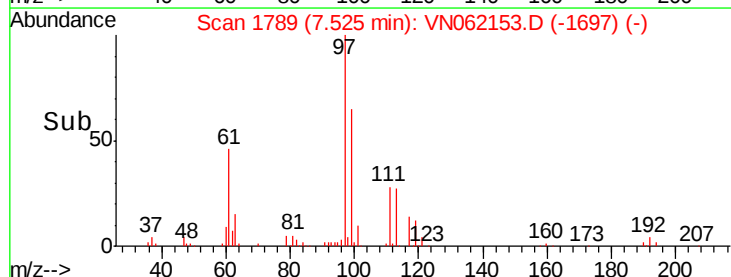
61 46.9 36.2 54.2

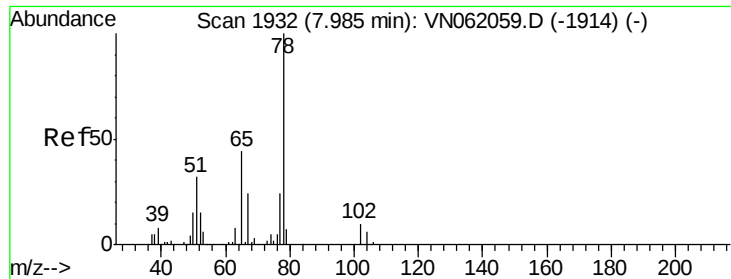


Abundance Ion 96.90 (96.60 to 97.60): VN062153.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062153.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062153.D (-1697) (-)

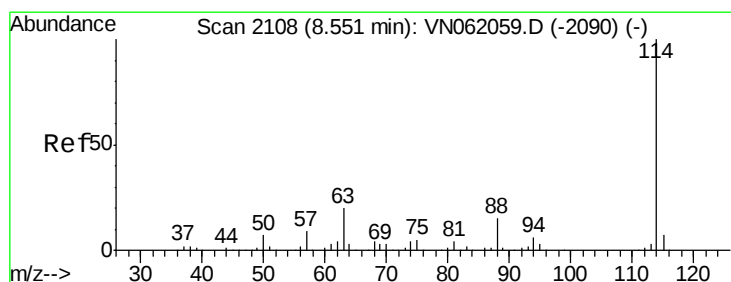
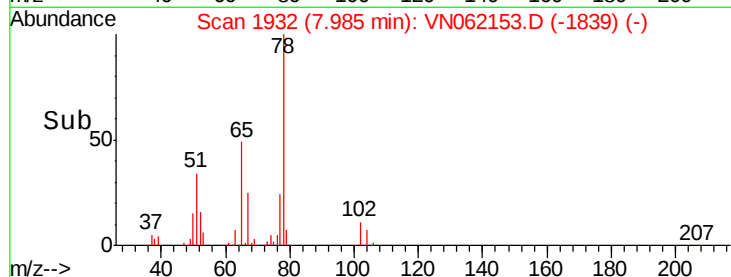
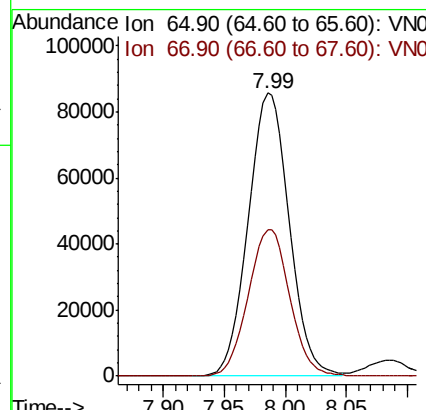
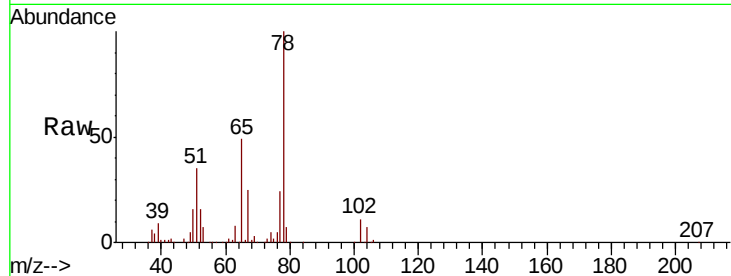




#33
 1,2-Dichloroethane-d4
 Concen: 53.021 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

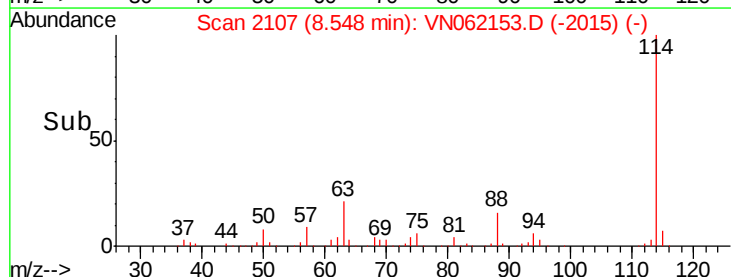
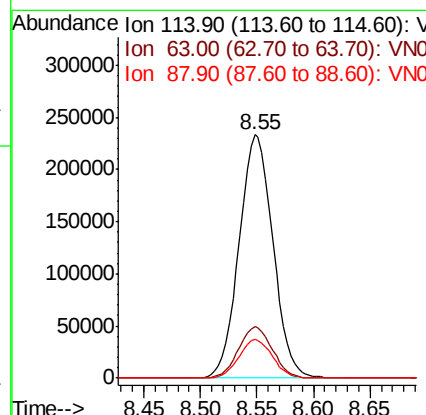
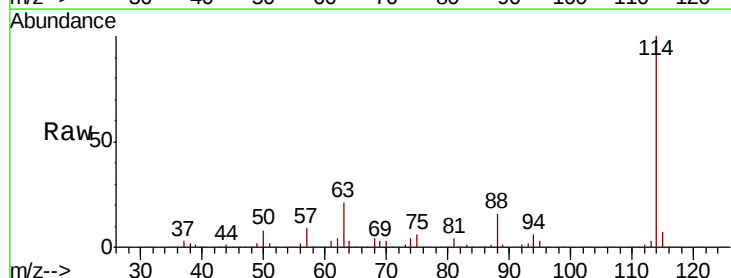
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

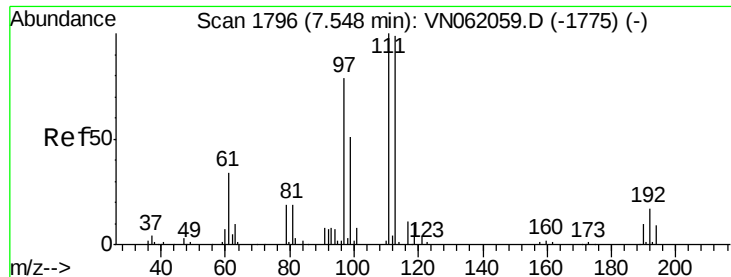
Tot Ion: 65 Resp: 198867
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion: 114 Resp: 487085
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.2
 88 15.7 0.0 30.8

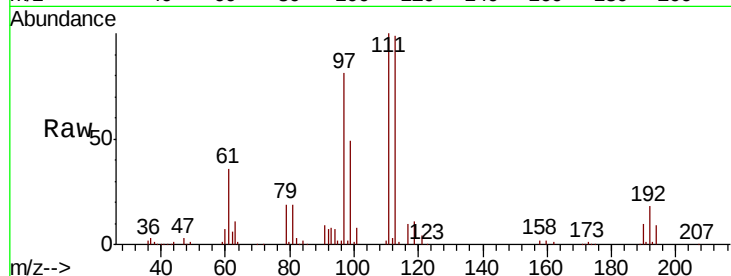




#35
 Dibromofluoromethane
 Concen: 50.135 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	17.3	14.0	21.0

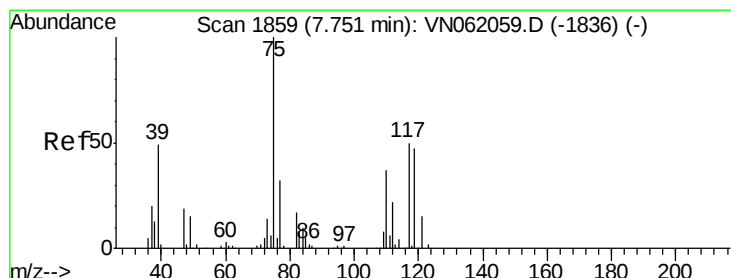
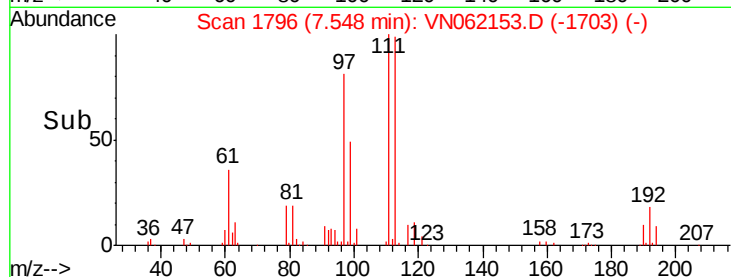
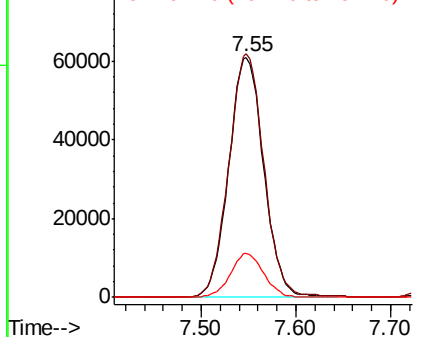


Abundance

Ion 112.80 (112.50 to 113.50): V

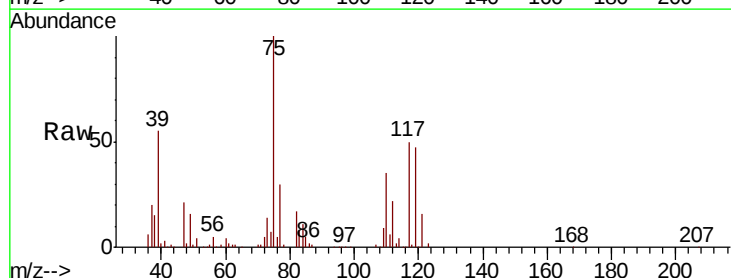
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 46.661 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.9	53.8
77	31.2	24.9	37.3

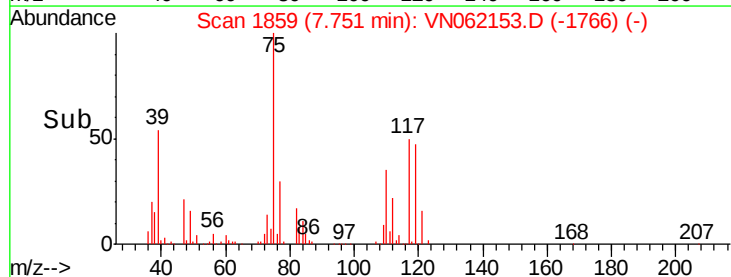
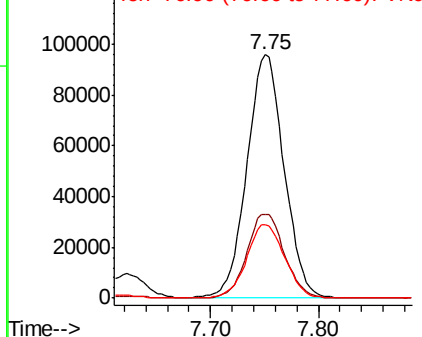


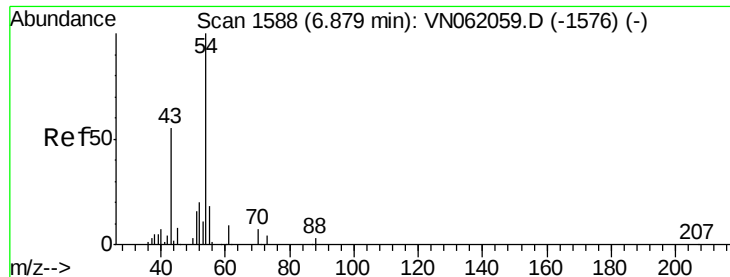
Abundance

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

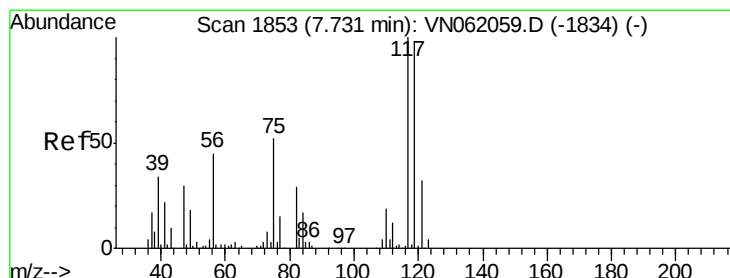
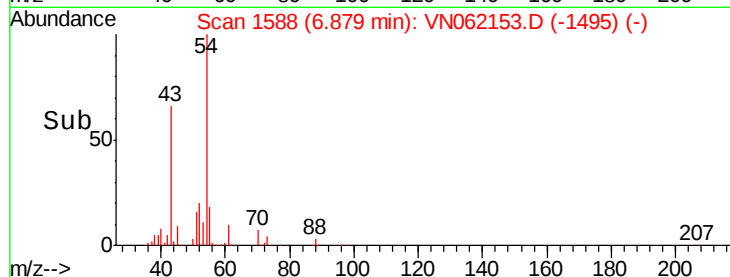
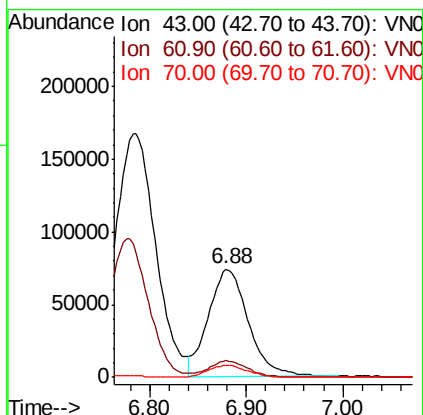
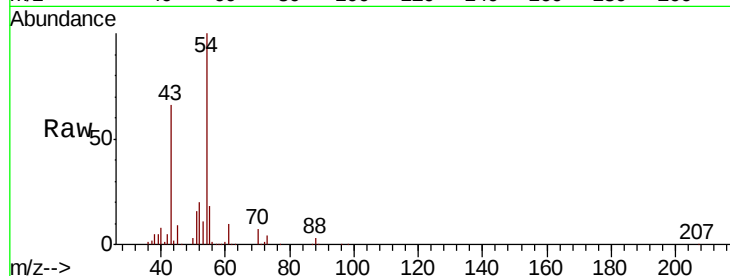




#37
Ethyl Acetate
Concen: 52.663 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

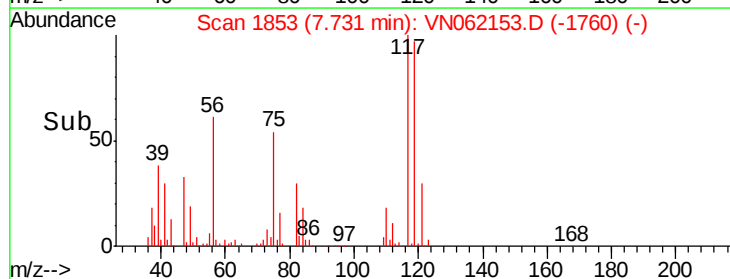
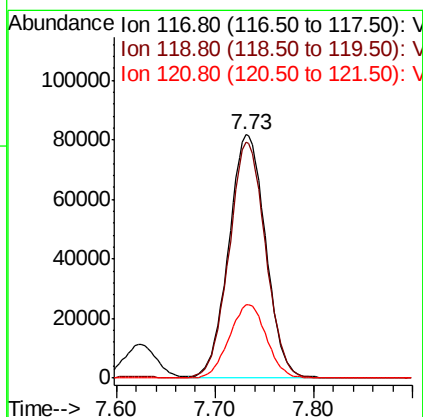
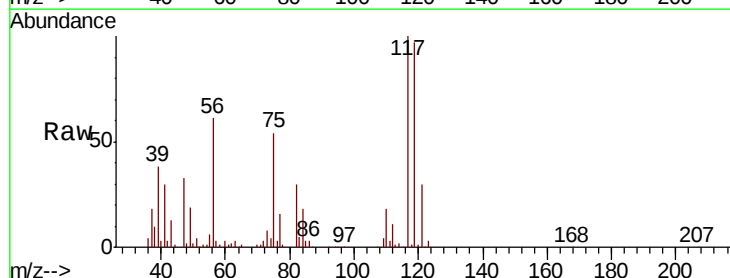
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 213502
Ion Ratio Lower Upper
43 100
61 14.2 12.0 18.0
70 11.0 9.6 14.4



#38
Carbon Tetrachloride
Concen: 46.103 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 117 Resp: 212800
Ion Ratio Lower Upper
117 100
119 96.5 78.2 117.2
121 30.0 25.8 38.6

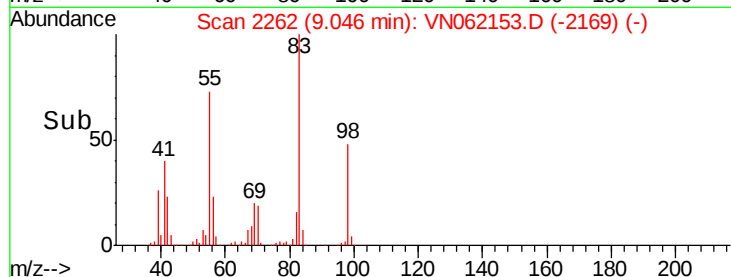
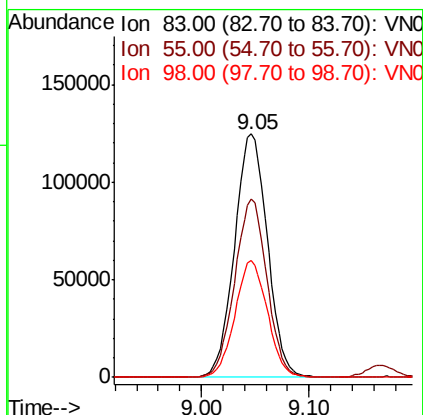
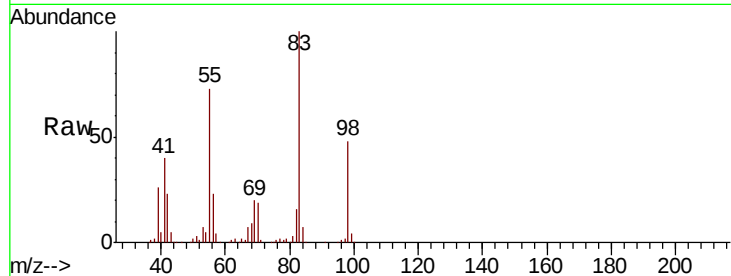




#39
Methvlcvclohexane
Concen: 49.505 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

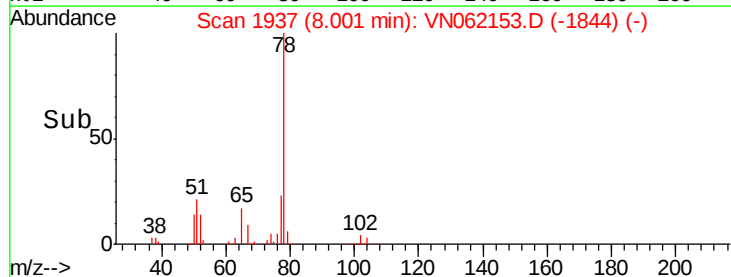
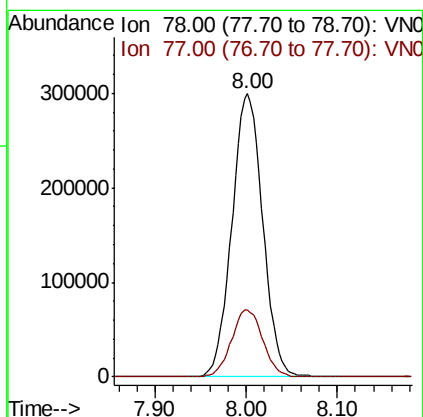
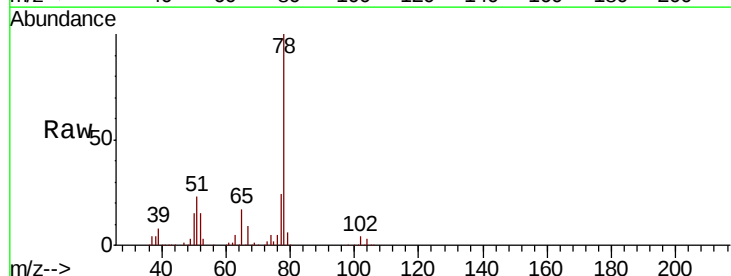
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

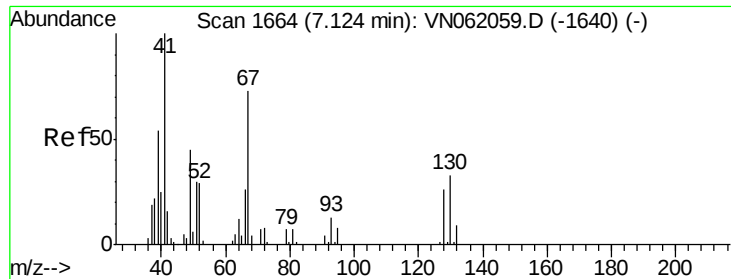
Tot Ion	83	Resp	265566
Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.0	85.6
98	47.8	39.0	58.6



#40
Benzene
Concen: 47.208 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion	78	Resp	704459
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.5	29.3

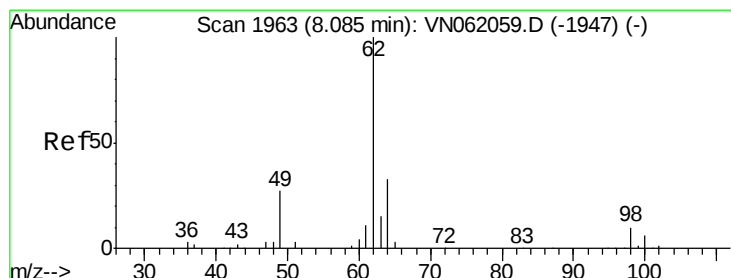
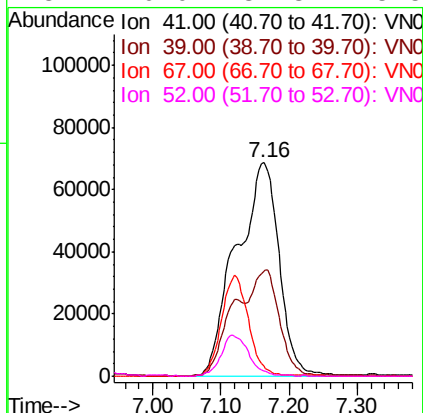
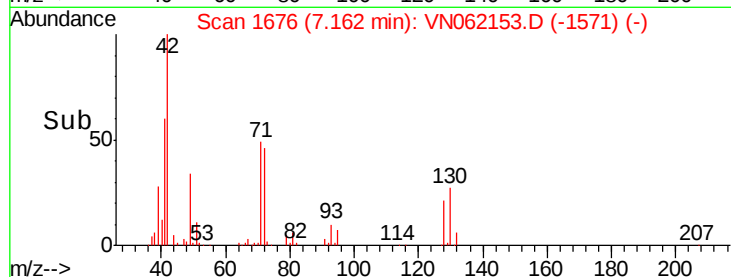
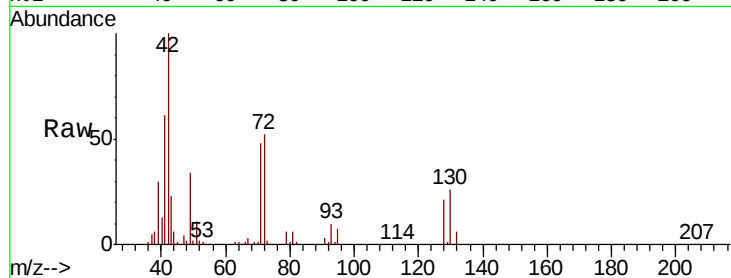




#41
Methacrylonitrile
Concen: 159.176 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.04 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

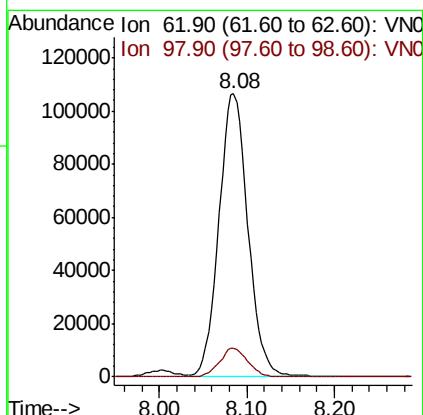
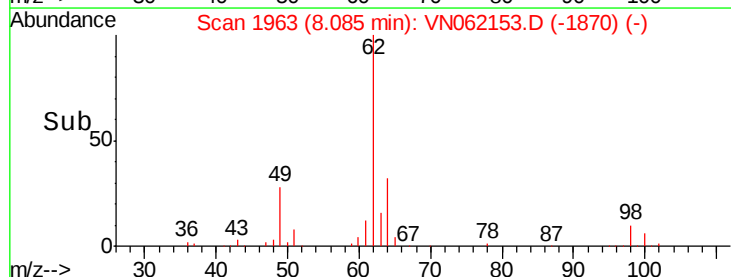
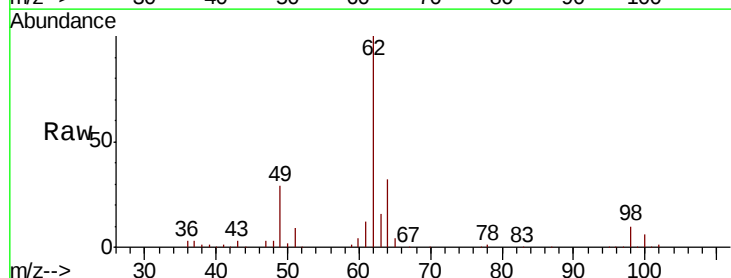
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#



#42
1,2-Dichloroethane
Concen: 48.537 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 53.111 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

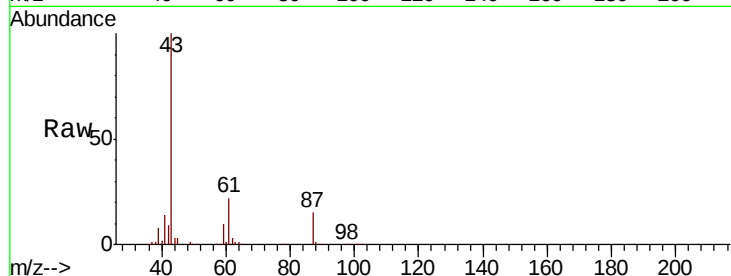
Tot Ion: 43 Resp: 351002

Ion Ratio Lower Upper

43 100

61 28.8 17.2 25.8#

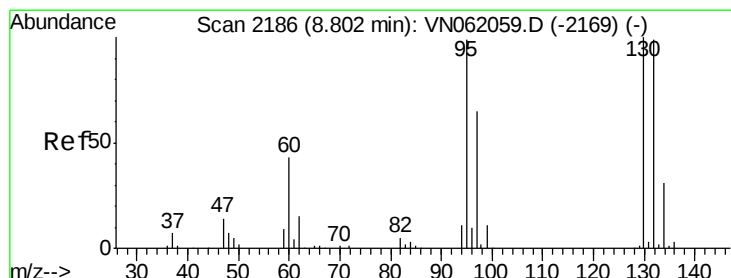
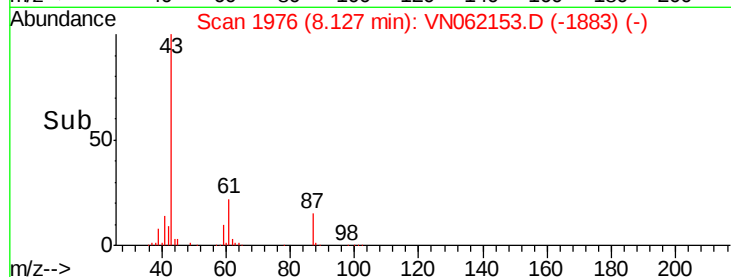
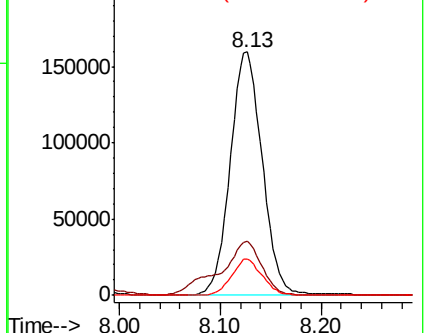
87 14.4 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062153.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062153.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062153.D (-1953) (-)



#44

Trichloroethene

Concen: 45.581 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062153.D

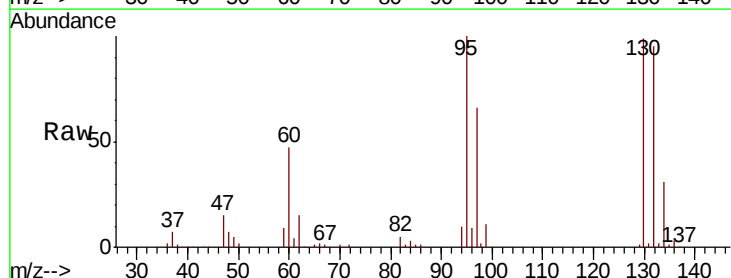
Acq: 26 Jun 2020 20:39

Tgt Ion:130 Resp: 171581

Ion Ratio Lower Upper

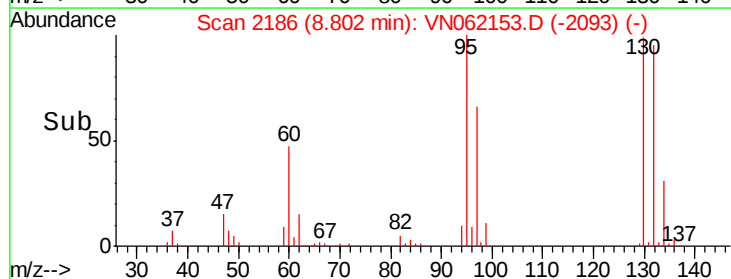
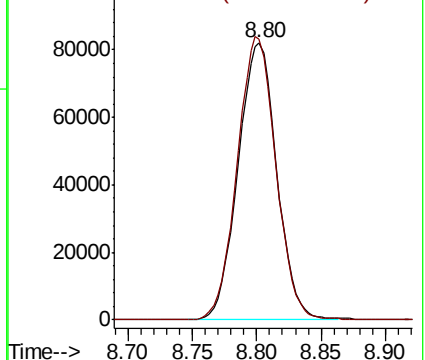
130 100

95 101.2 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062153.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062153.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 48.723 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

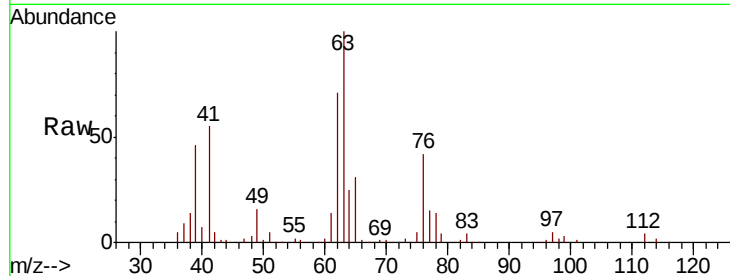
VSTDCCC050EC

Tot Ion: 63 Resp: 179372

Ion Ratio Lower Upper

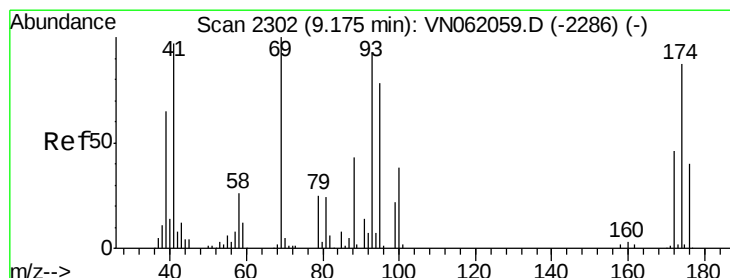
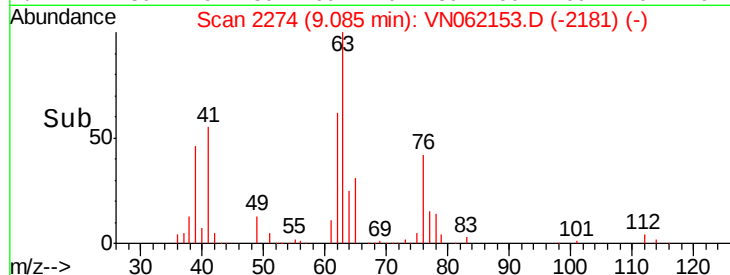
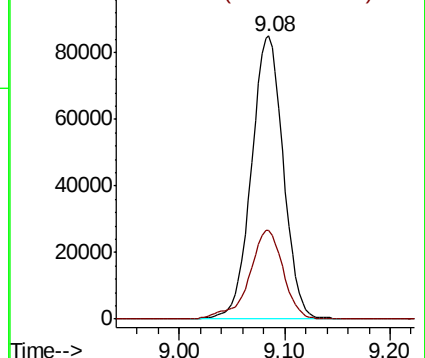
63 100

65 31.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN062153.D (-2251) (-)

Ion 64.90 (64.60 to 65.60): VN062153.D (-2251) (-)



#46

Dibromomethane

Concen: 47.816 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

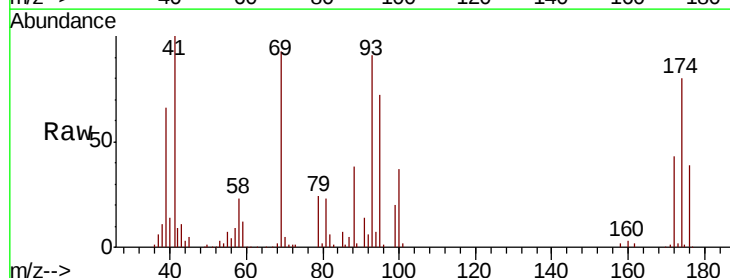
Tgt Ion: 93 Resp: 119351

Ion Ratio Lower Upper

93 100

95 80.5 67.0 100.6

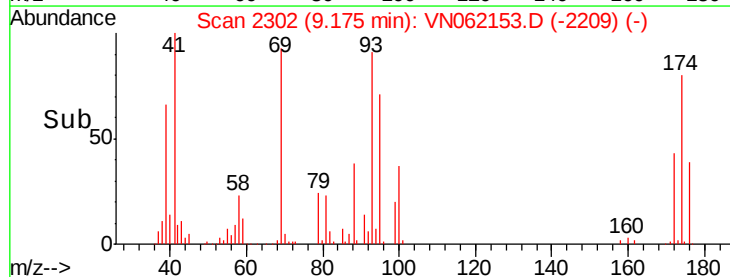
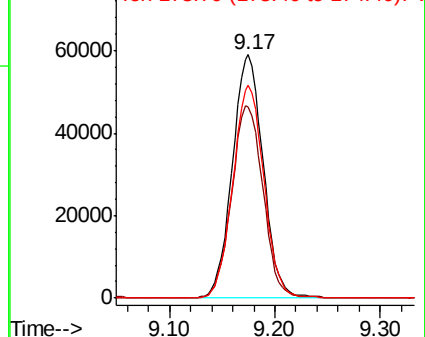
174 88.3 74.4 111.6

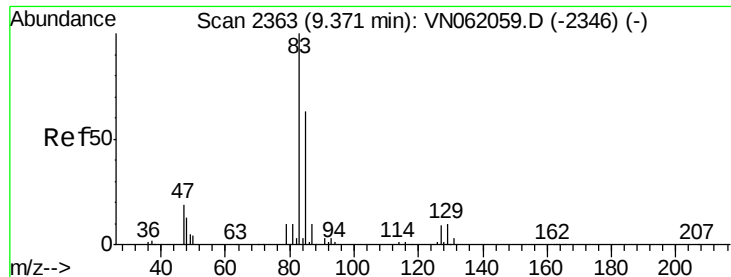


Abundance Ion 92.80 (92.50 to 93.50): VN062153.D (-2286) (-)

Ion 94.80 (94.50 to 95.50): VN062153.D (-2286) (-)

Ion 173.70 (173.40 to 174.40): VN062153.D (-2286) (-)





#47

Bromodichloromethane

Concen: 48.297 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

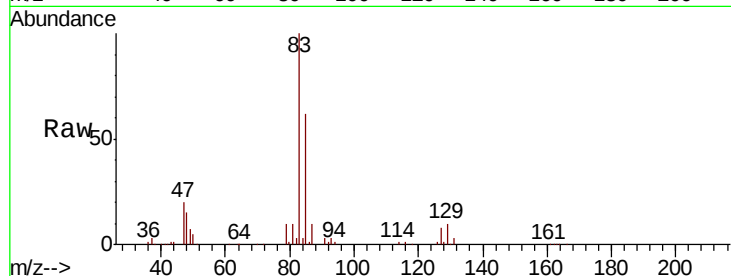
Tot Ion: 83 Resp: 243414

Ion Ratio Lower Upper

83 100

85 61.9 50.3 75.5

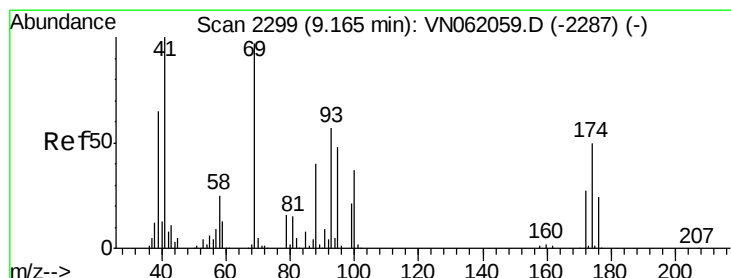
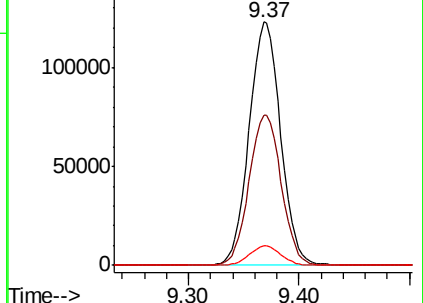
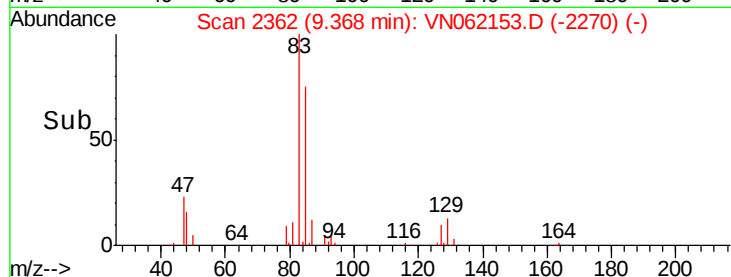
127 7.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062153.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062153.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062153.D (-2270) (-)



#48

Methyl methacrylate

Concen: 52.436 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

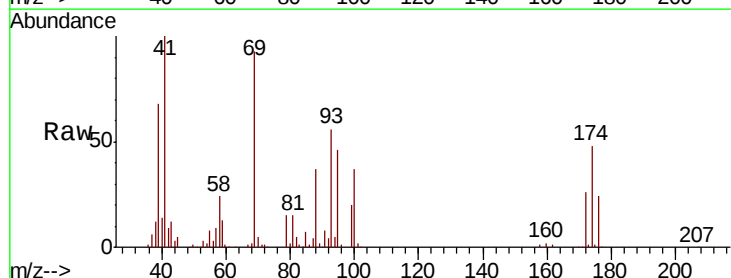
Tgt Ion: 41 Resp: 155381

Ion Ratio Lower Upper

41 100

69 96.2 80.7 121.1

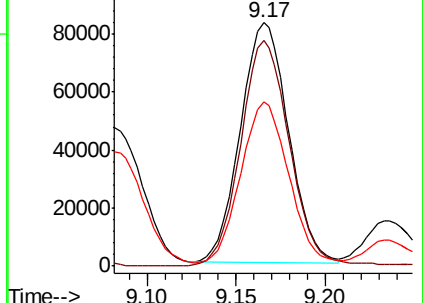
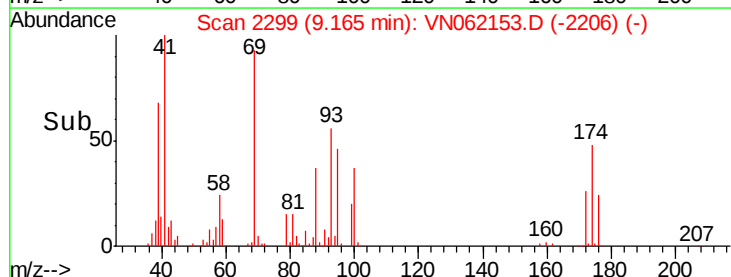
39 69.1 54.5 81.7

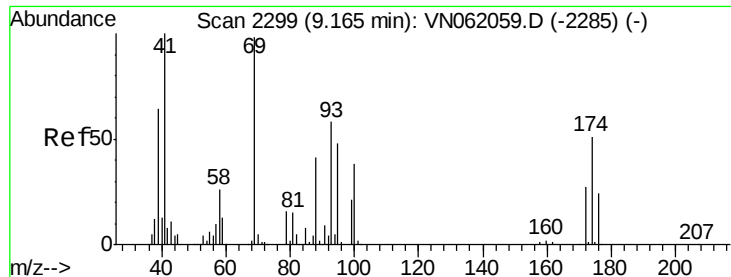


Abundance Ion 41.00 (40.70 to 41.70): VN062153.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062153.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062153.D (-2206) (-)

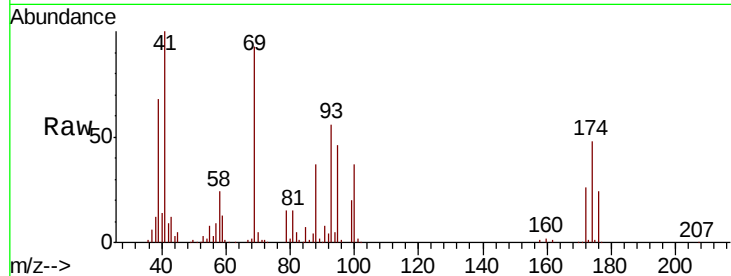




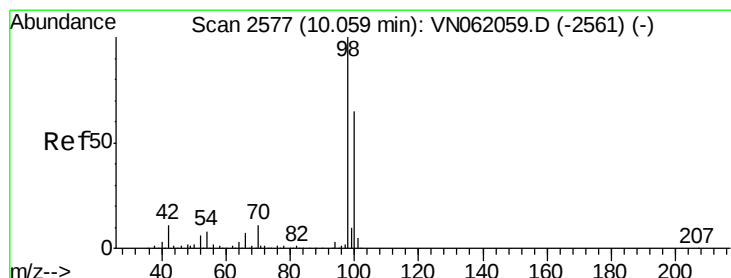
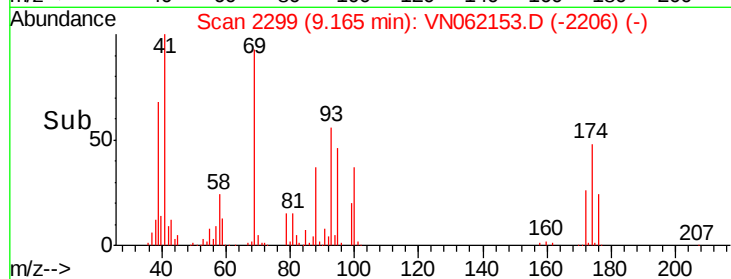
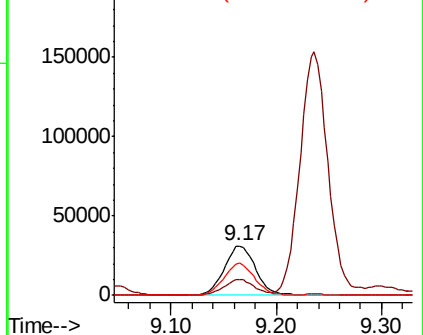
#49
1,4-Dioxane
Concen: 977.888 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 64260
Ion Ratio Lower Upper
88 100
43 30.0 22.0 33.0
58 63.5 49.2 73.8

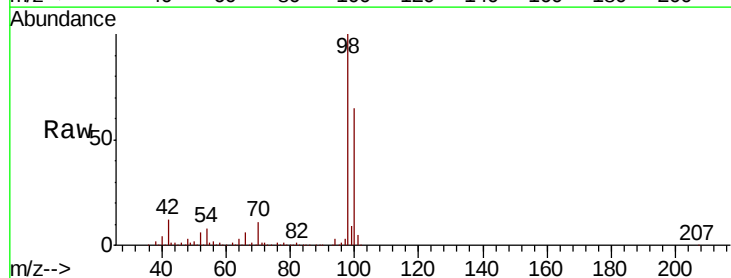


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

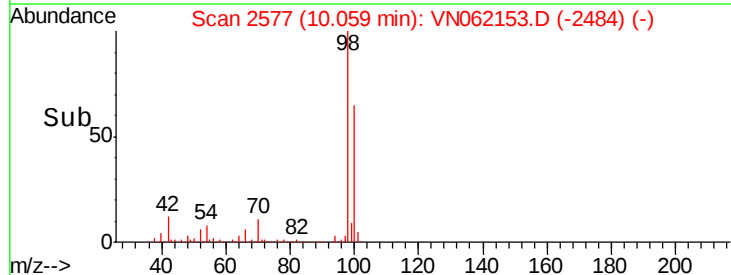
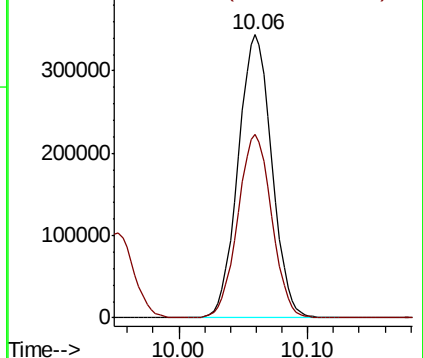


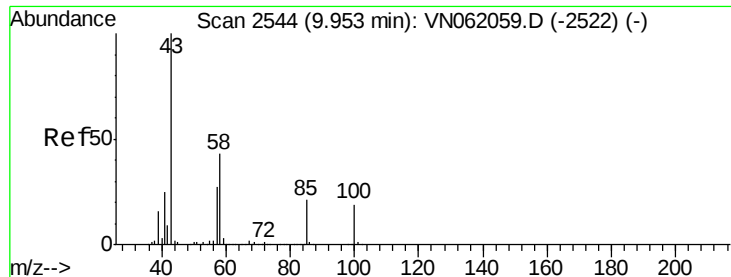
#50
Toluene-d8
Concen: 50.003 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 98 Resp: 624595
Ion Ratio Lower Upper
98 100
100 64.9 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: 267.702 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

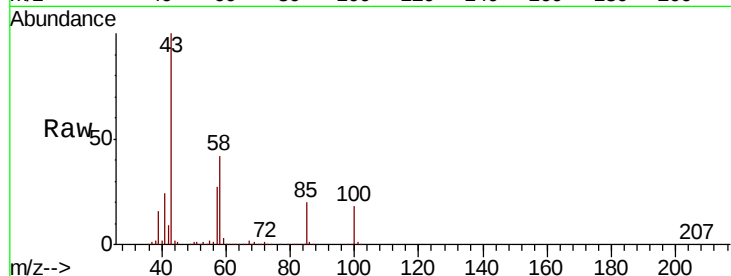
VSTDCCC050EC

Tot Ion: 43 Resp: 1033666

Ion Ratio Lower Upper

43 100

58 42.1 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

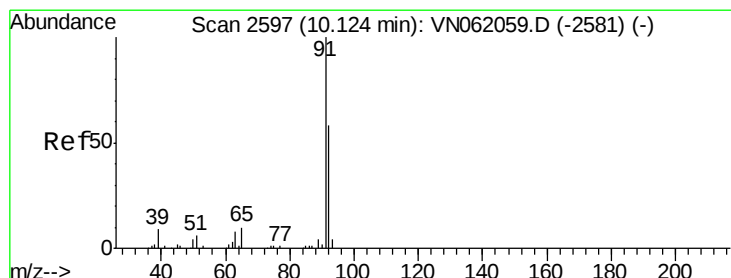
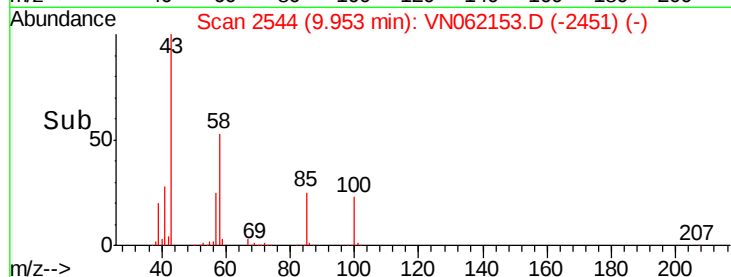
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.718 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062153.D

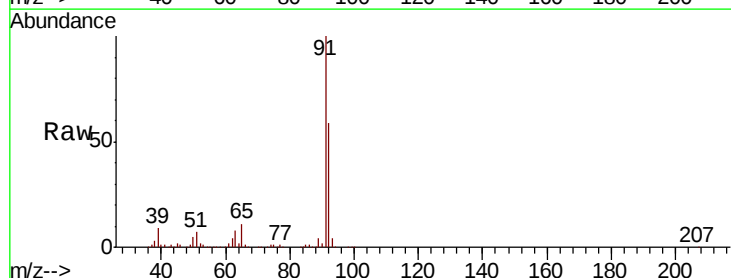
Acq: 26 Jun 2020 20:39

Tgt Ion: 92 Resp: 452690

Ion Ratio Lower Upper

92 100

91 169.7 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

500000

400000

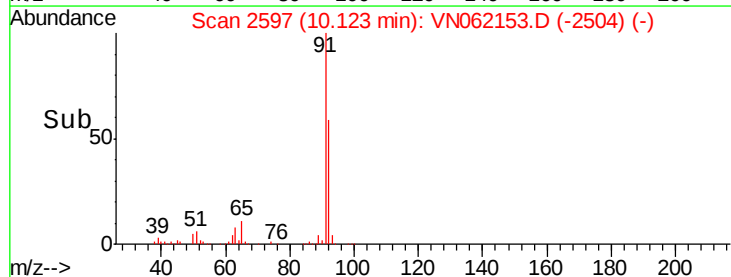
300000

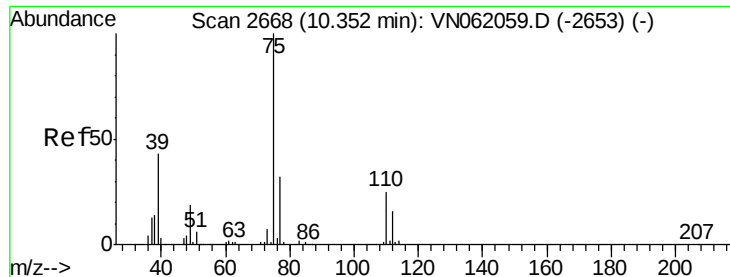
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.439 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

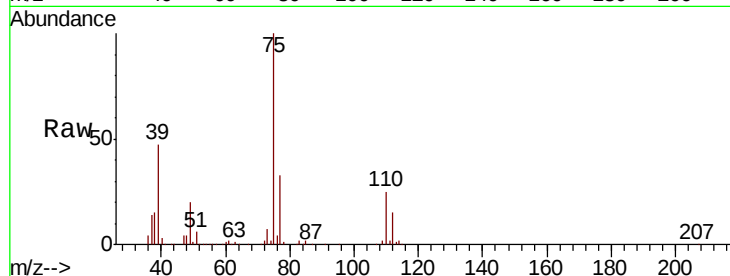
VSTDCCC050EC

Tot Ion: 75 Resp: 268587

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

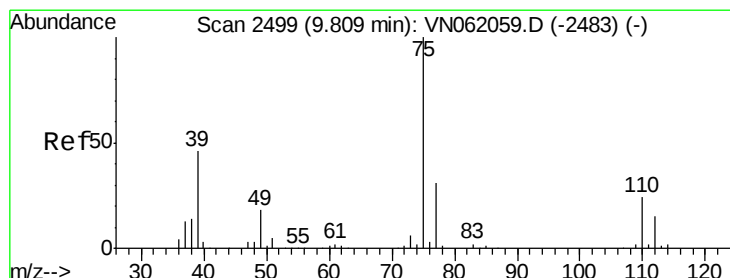
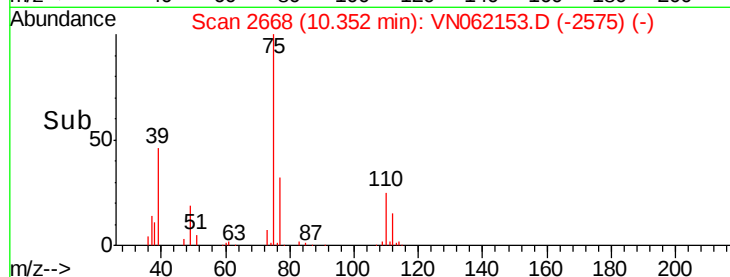
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.695 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

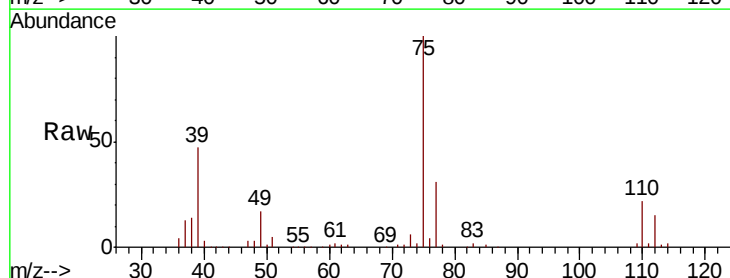
Tgt Ion: 75 Resp: 293360

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 46.5 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

200000

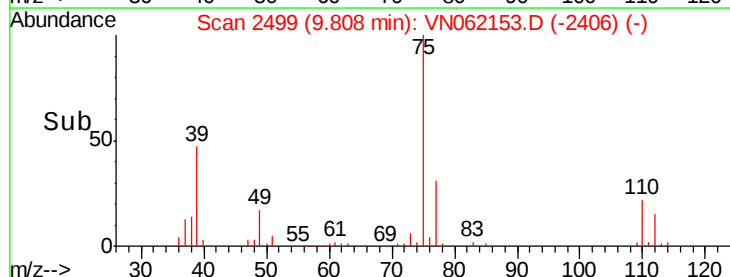
150000

100000

50000

0

Time-->

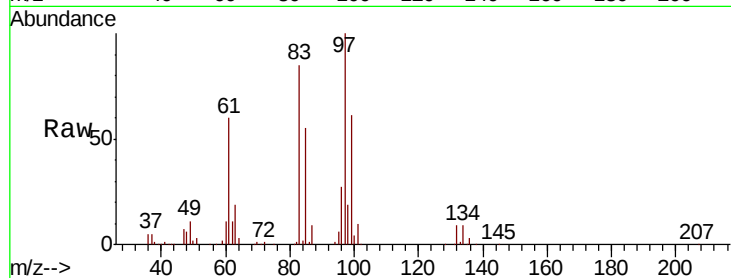




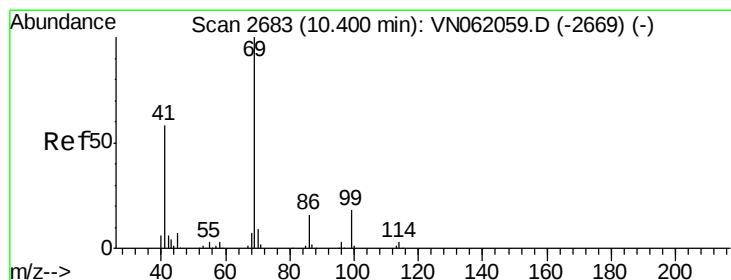
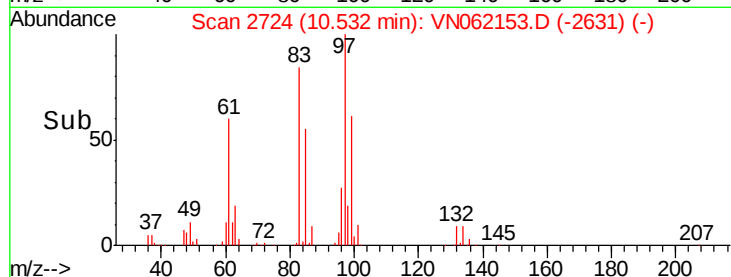
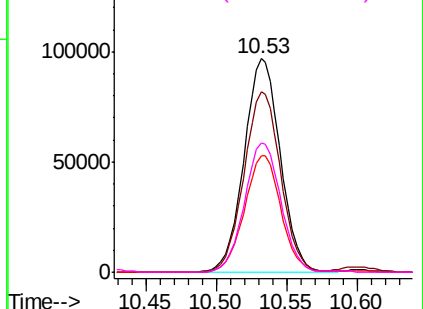
#55
 1,1,2-Trichloroethane
 Concen: 48.675 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	174213
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.2	102.2
85	54.7	43.2	64.8
99	60.7	48.5	72.7

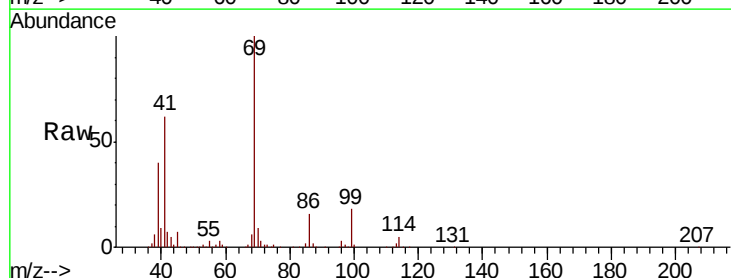


Abundance Ion 96.90 (96.60 to 97.60): VNO
 150000 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

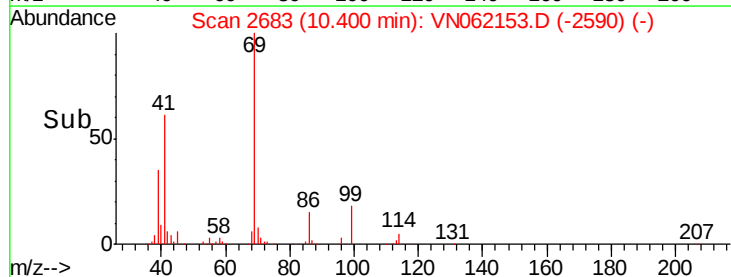
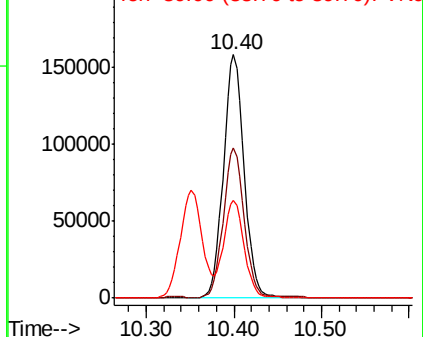


#56
 Ethyl methacrylate
 Concen: 54.905 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion:	69	Resp:	262252
Ion	Ratio	Lower	Upper
69	100		
41	60.8	46.6	70.0
39	39.5	31.0	46.4



Abundance Ion 69.00 (68.70 to 69.70): VNO
 200000 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

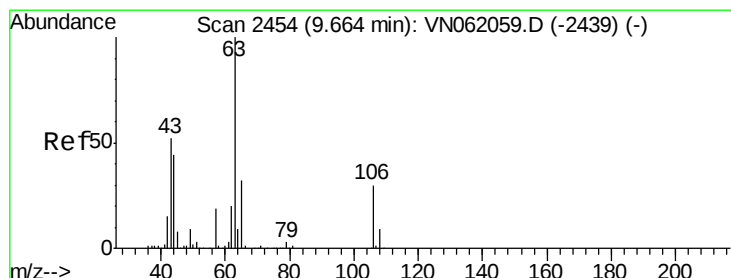
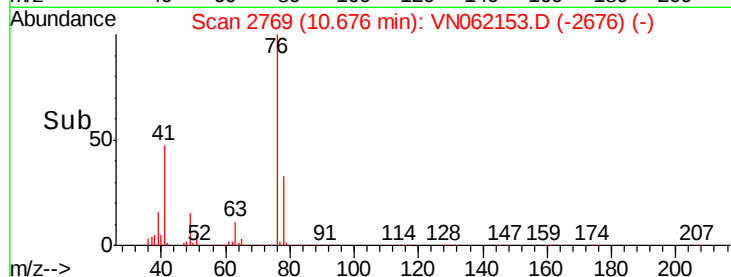
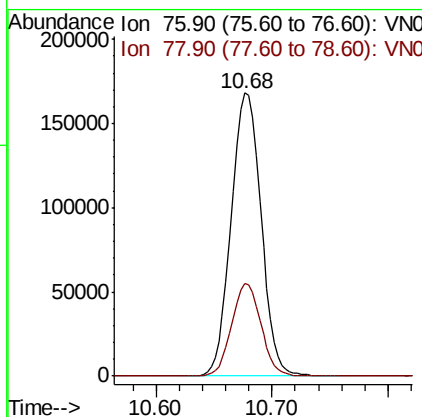
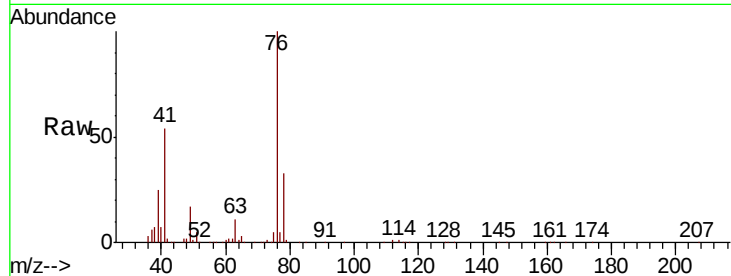




#57
 1,3-Dichloropropane
 Concen: 48.850 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

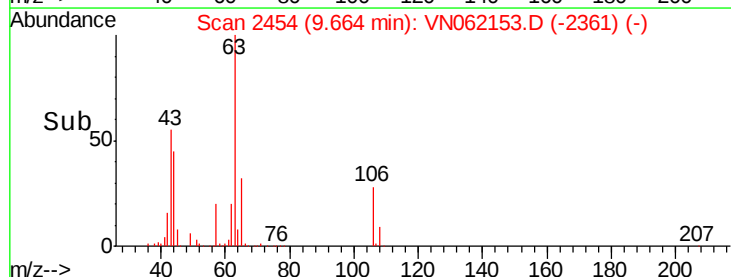
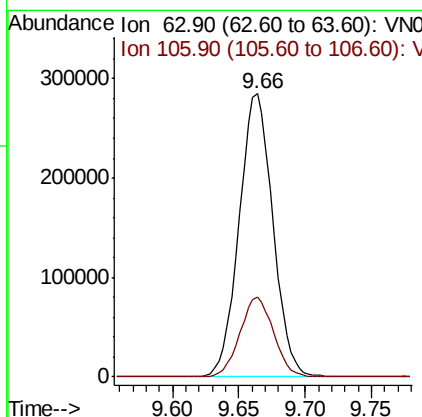
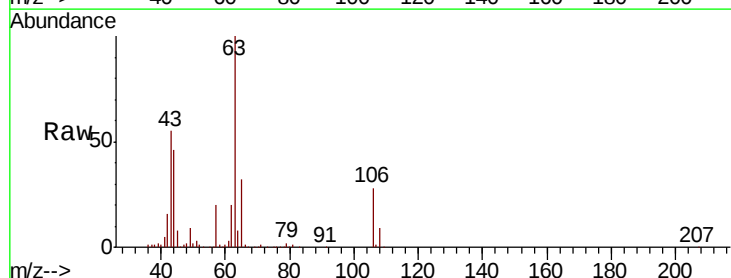
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

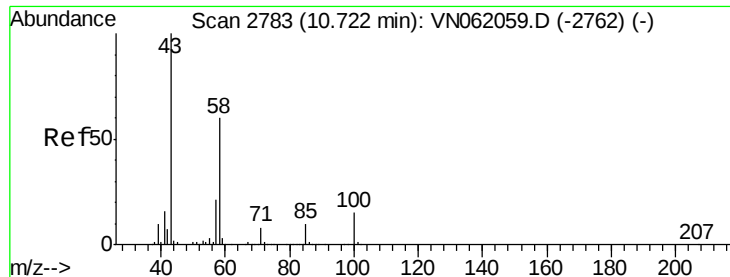
Tot Ion: 76 Resp: 300942
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.559 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion: 63 Resp: 503096
 Ion Ratio Lower Upper
 63 100
 106 28.2 23.2 34.8

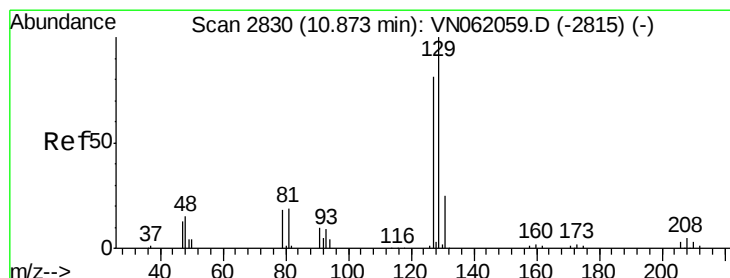
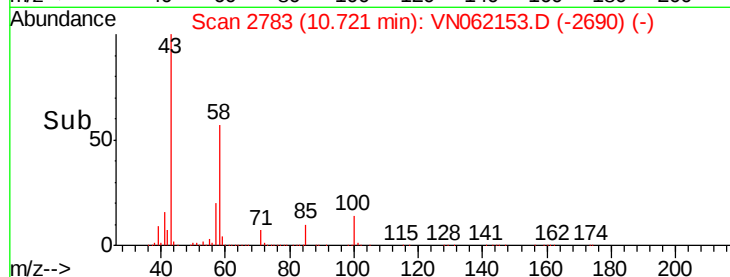
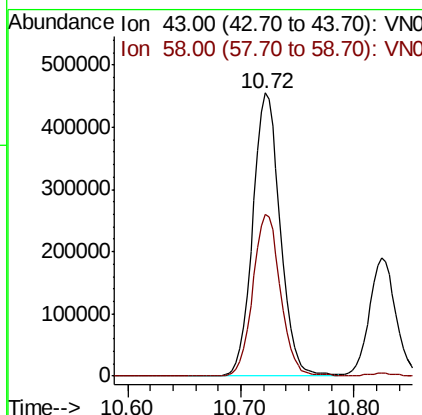
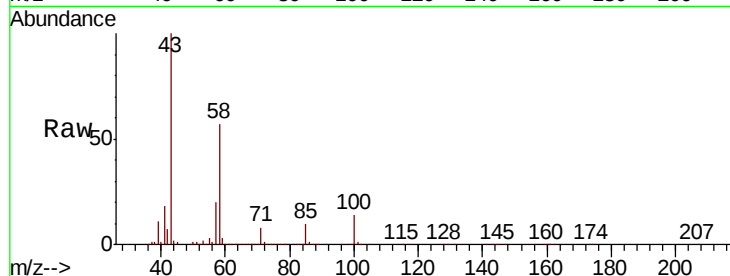




#59
2-Hexanone
Concen: 274.608 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

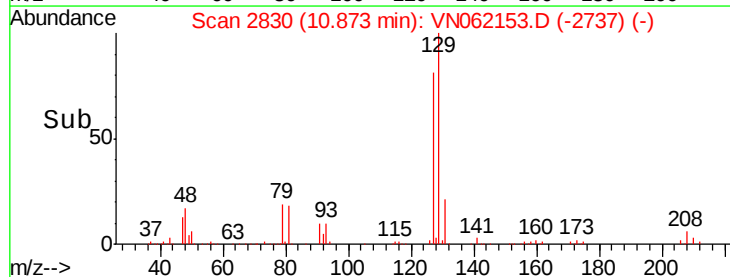
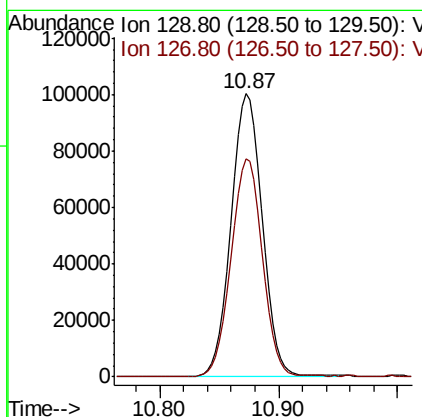
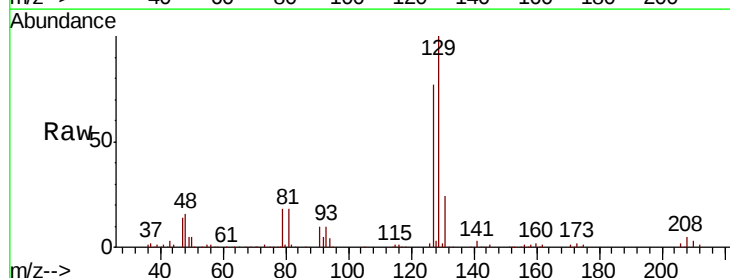
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

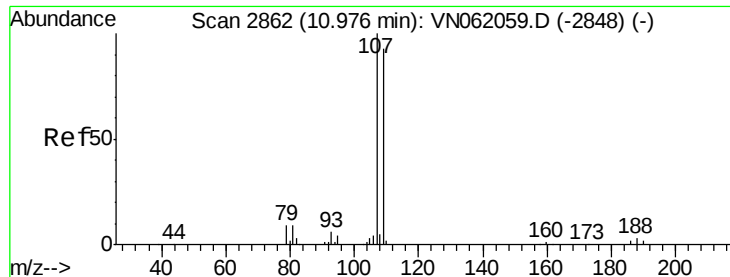
Tot Ion: 43 Resp: 765666
Ion Ratio Lower Upper
43 100
58 57.7 29.5 88.5



#60
Dibromochloromethane
Concen: 47.805 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 129 Resp: 181145
Ion Ratio Lower Upper
129 100
127 78.0 39.5 118.5

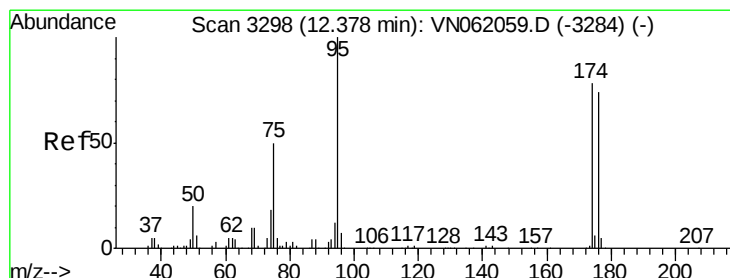
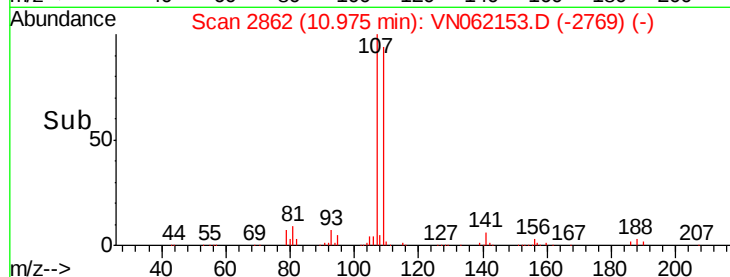
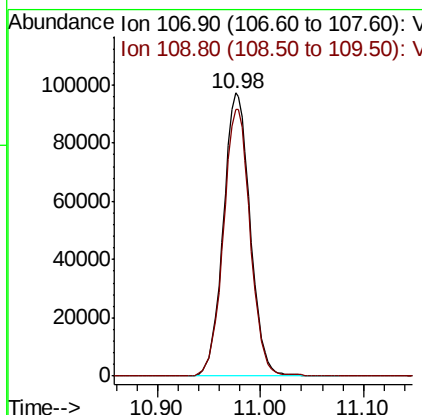
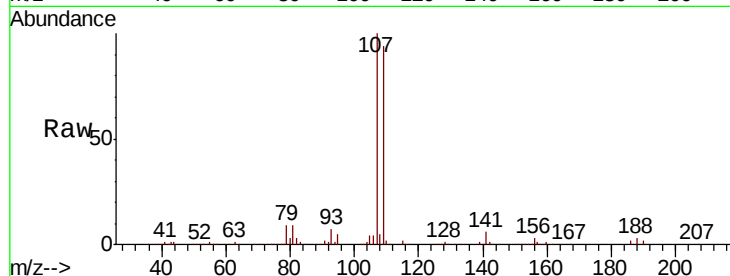




#61
 1,2-Dibromoethane
 Concen: 47.741 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

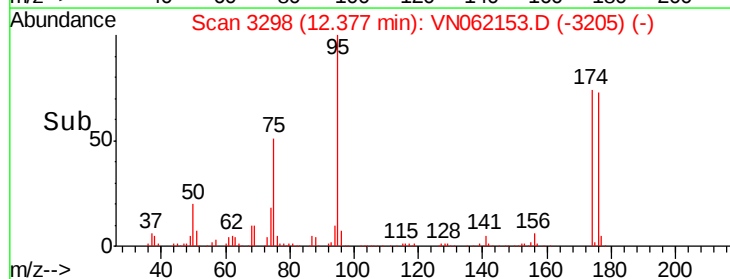
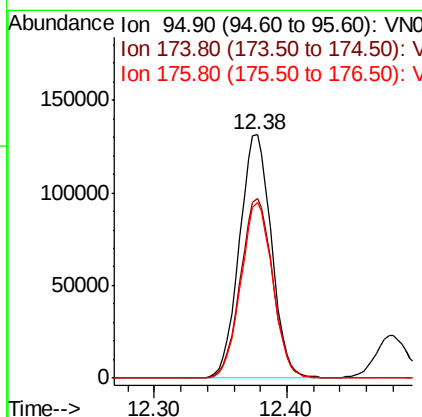
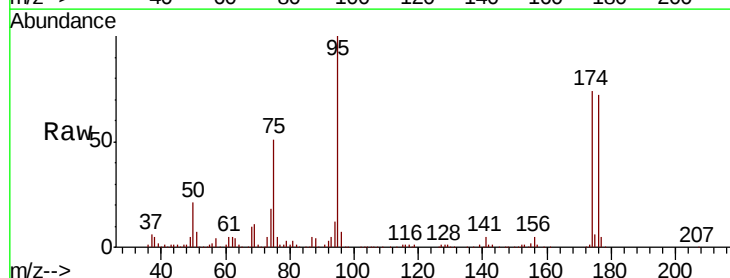
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

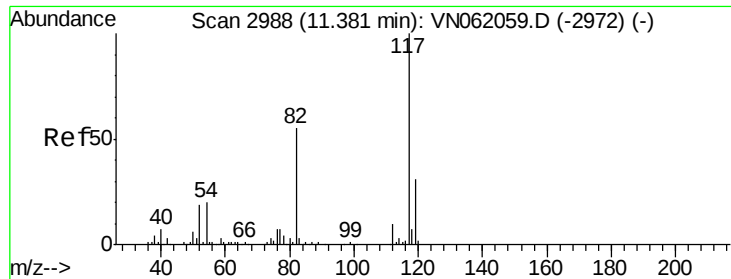
Tot Ion:107 Resp: 175574
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.259 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion: 95 Resp: 220546
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 154.8
 176 71.5 0.0 147.4

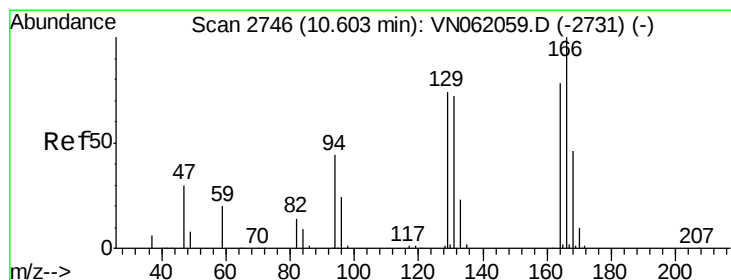
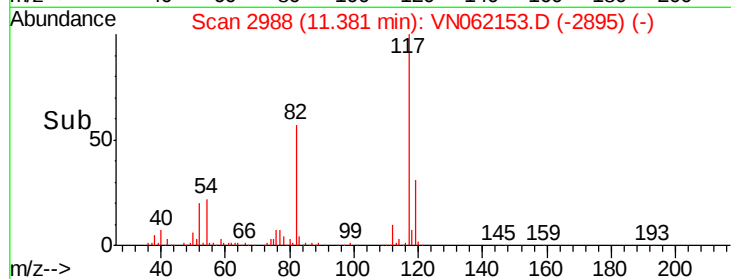
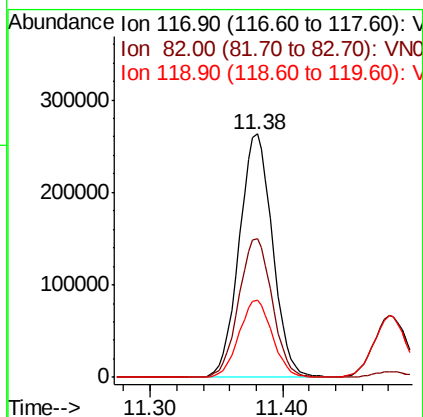
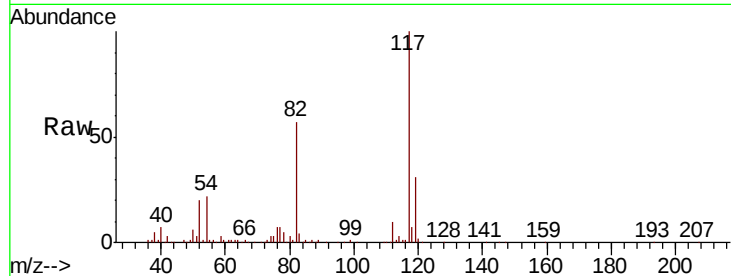




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

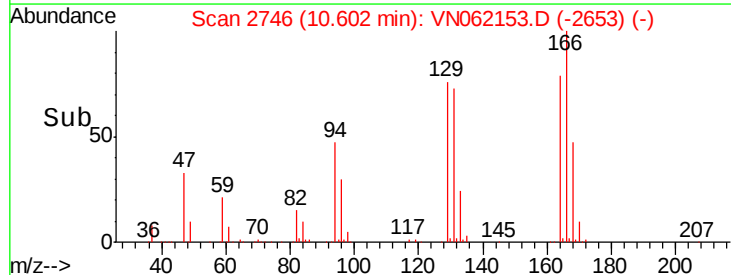
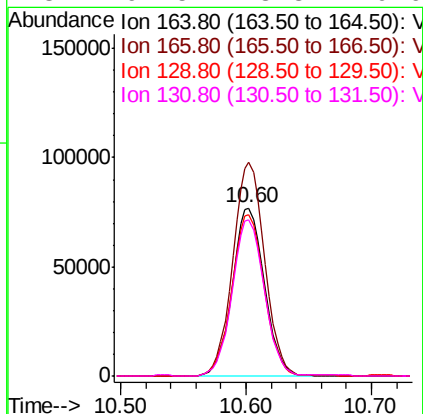
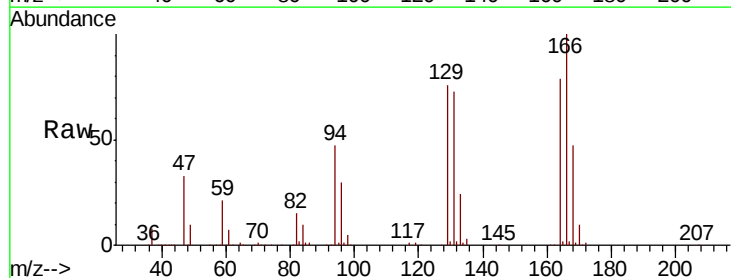
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

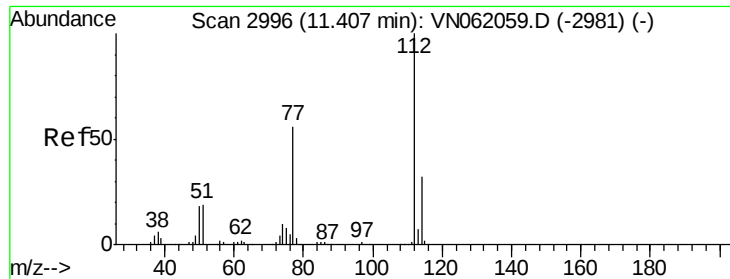
Tot Ion:117 Resp: 458334
Ion Ratio Lower Upper
117 100
82 57.0 43.8 65.8
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 43.533 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion:164 Resp: 136294
Ion Ratio Lower Upper
164 100
166 127.1 102.9 154.3
129 96.3 75.8 113.8
131 92.5 73.8 110.6

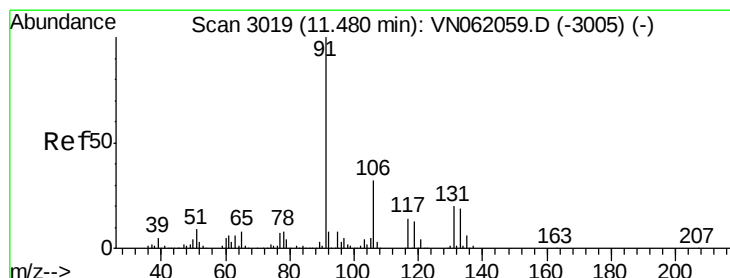
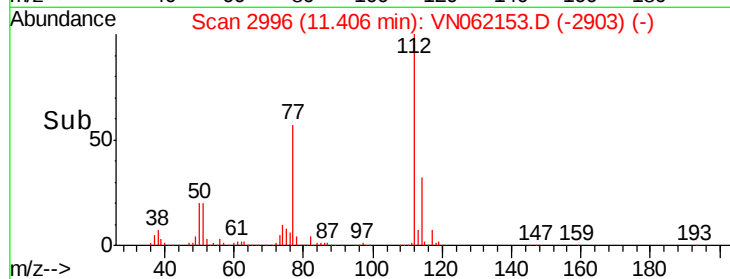
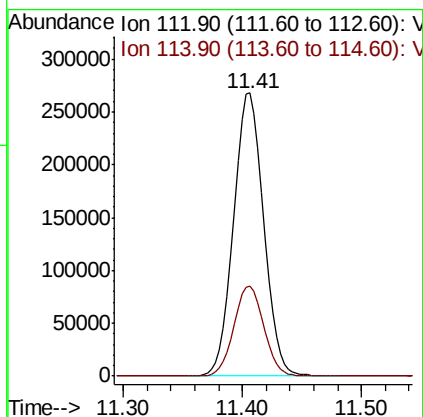
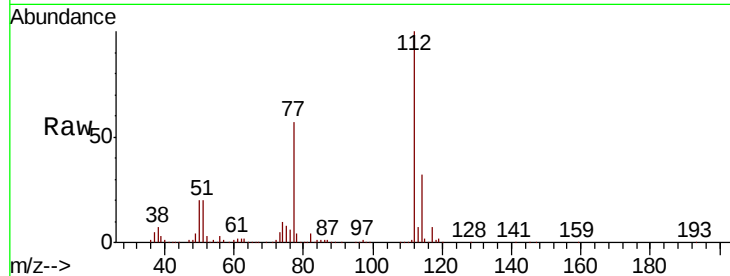




#65
Chlorobenzene
Concen: 46.659 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

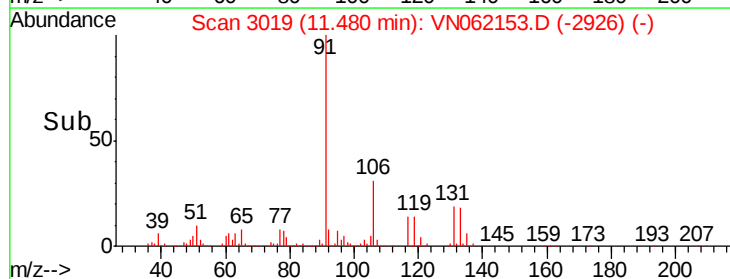
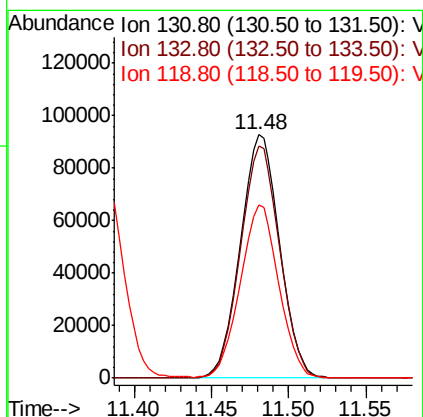
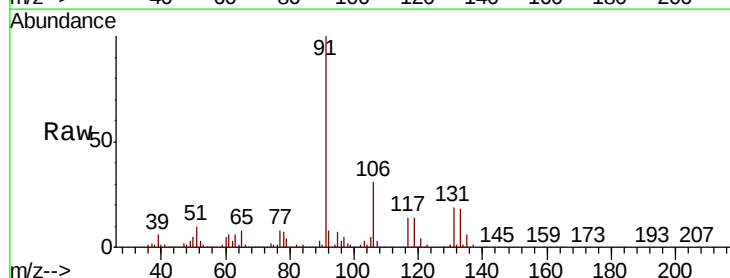
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

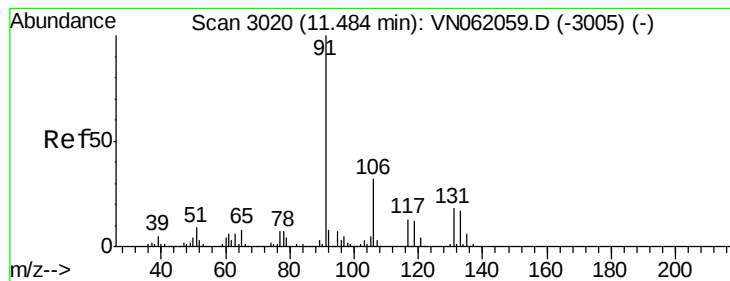
Tot Ion:112 Resp: 469626
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.164 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion:131 Resp: 164150
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 69.4 34.4 103.3





#67

Ethyl Benzene

Concen: 50.400 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

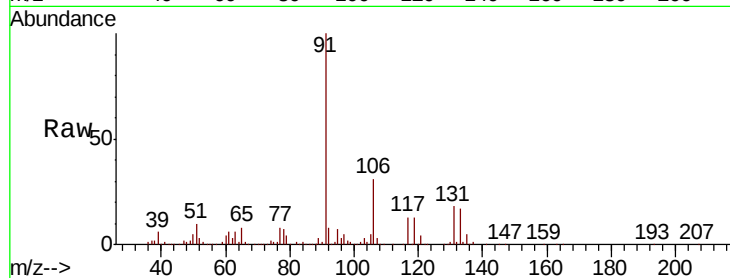
VSTDCCC050EC

Tot Ion: 91 Resp: 856741

Ion Ratio Lower Upper

91 100

106 31.0 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VN062153.D (-2927) (-)

Ion 106.00 (105.70 to 106.70): VN062153.D (-2927) (-)

800000

600000

400000

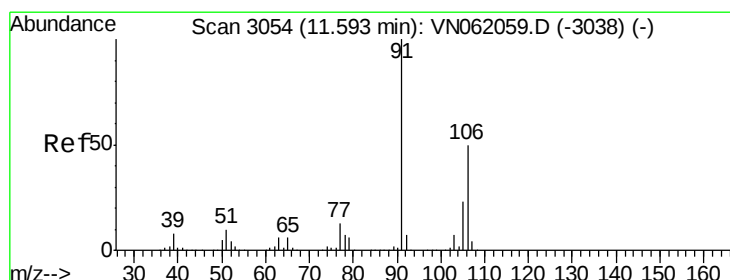
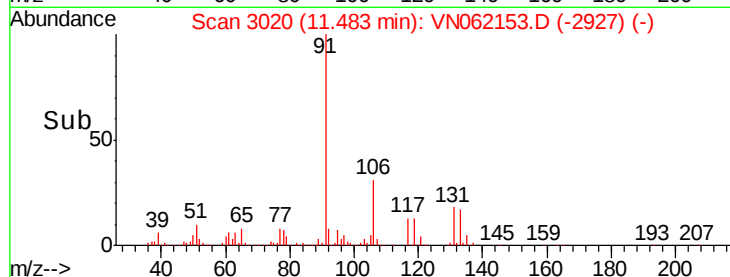
200000

0

11.40 11.50

11.48

Time-->



#68

m/p-Xylenes

Concen: 99.296 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062153.D

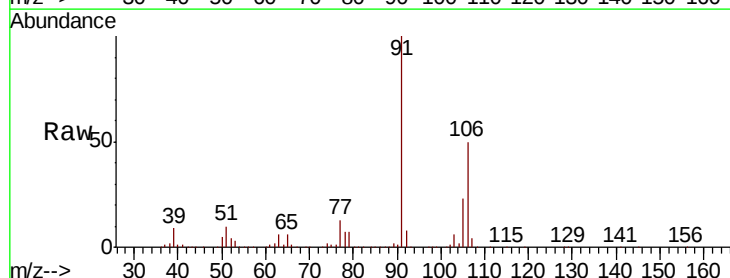
Acq: 26 Jun 2020 20:39

Tgt Ion: 106 Resp: 652851

Ion Ratio Lower Upper

106 100

91 199.9 157.8 236.8



Abundance Ion 106.00 (105.70 to 106.70): VN062153.D (-2961) (-)

Ion 91.00 (90.70 to 91.70): VN062153.D (-2961) (-)

800000

600000

400000

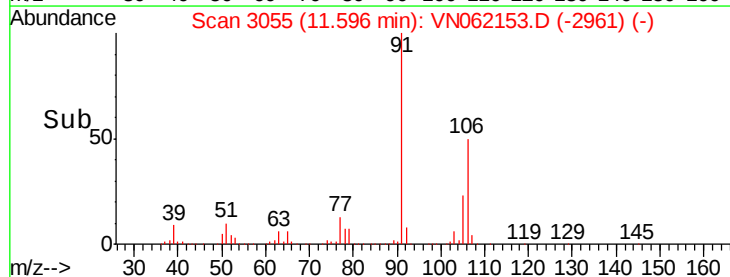
200000

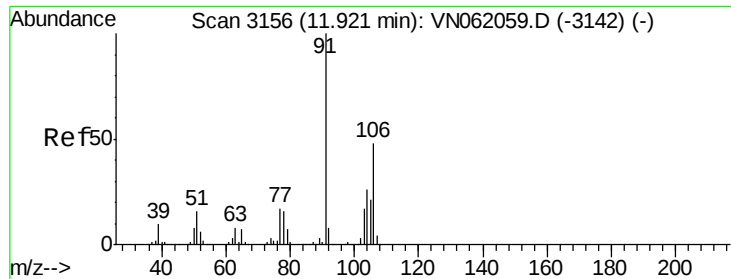
0

11.50 11.60

11.60

Time-->

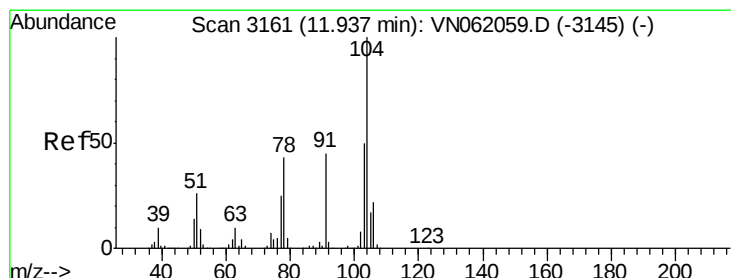
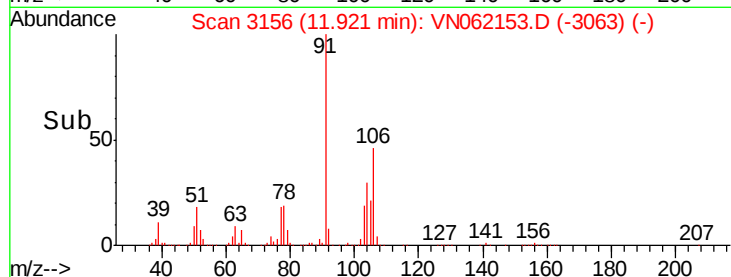
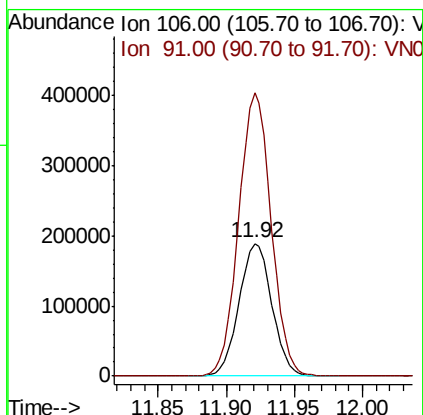
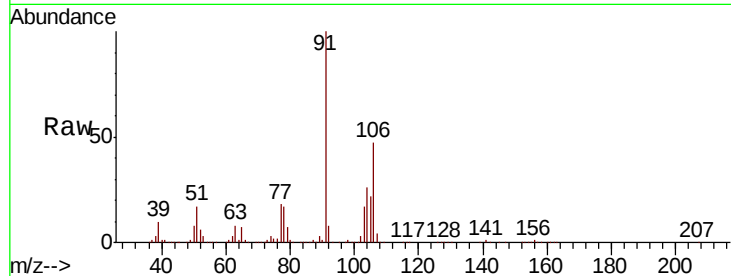




#69
o-Xylene
Concen: 50.933 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

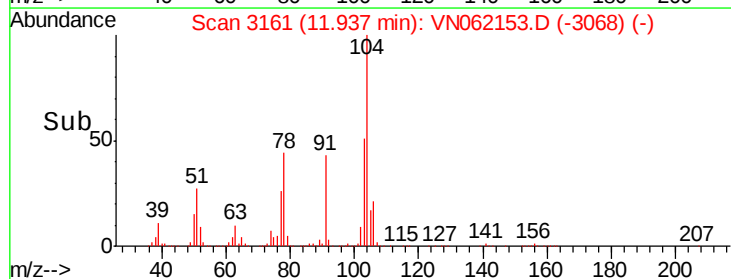
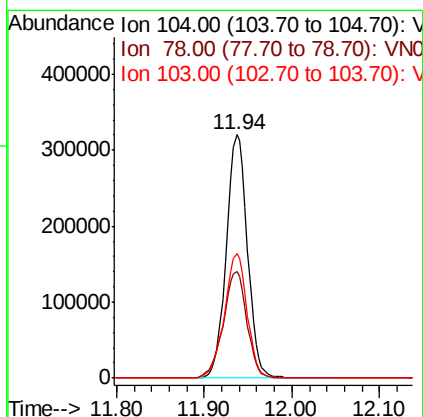
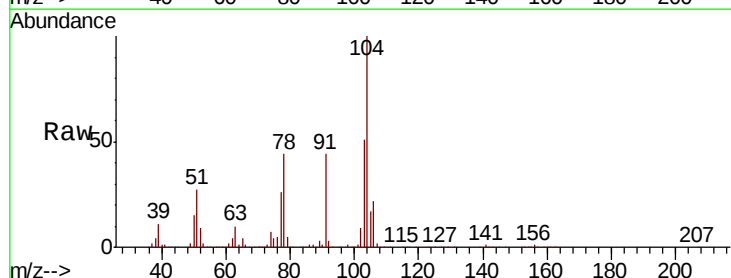
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 315957
Ion Ratio Lower Upper
106 100
91 211.0 104.0 311.9



#70
Styrene
Concen: 52.111 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion:104 Resp: 539129
Ion Ratio Lower Upper
104 100
78 48.5 37.7 56.5
103 54.7 43.0 64.6





#71

Bromoform

Concen: 48.380 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

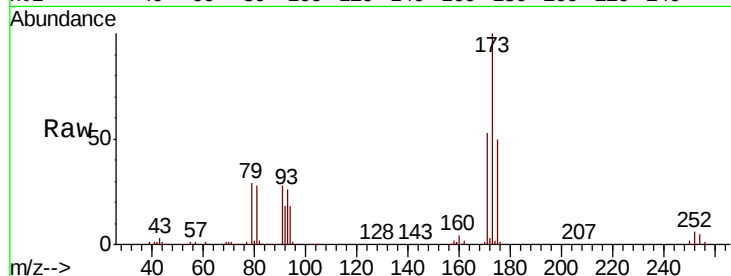
Tot Ion:173 Resp: 119720

Ion Ratio Lower Upper

173 100

175 48.8 24.7 74.1

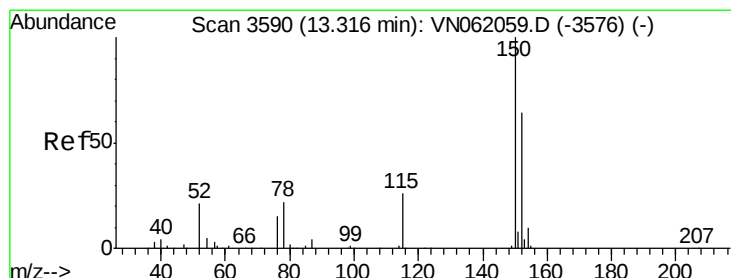
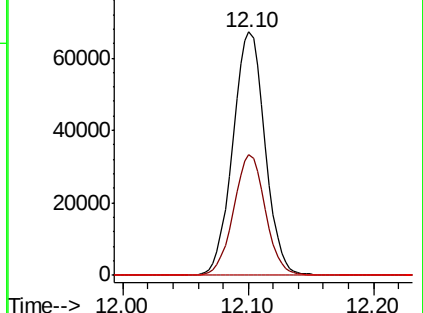
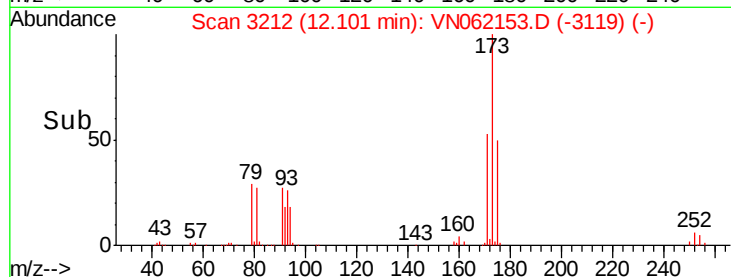
254 0.0 0.0 0.0



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: VN062153.D

Acq: 26 Jun 2020 20:39

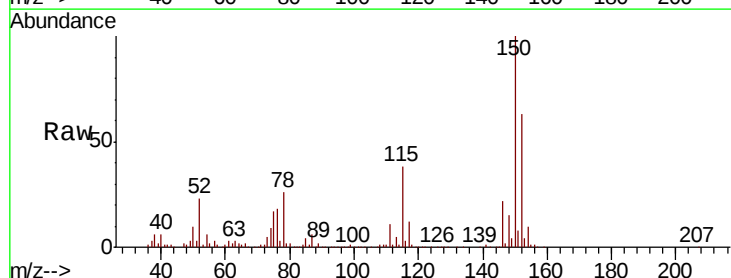
Tgt Ion:152 Resp: 222036

Ion Ratio Lower Upper

152 100

115 59.9 29.5 88.5

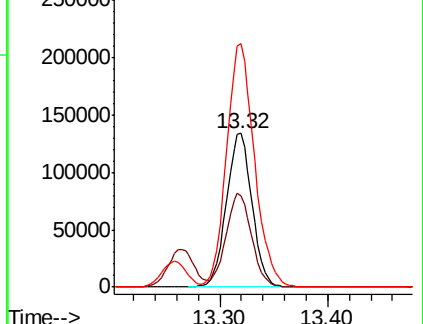
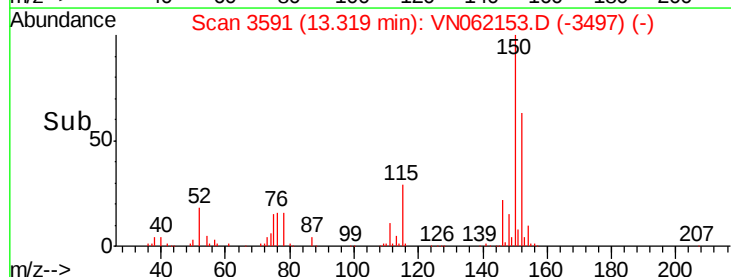
150 172.0 0.0 351.4

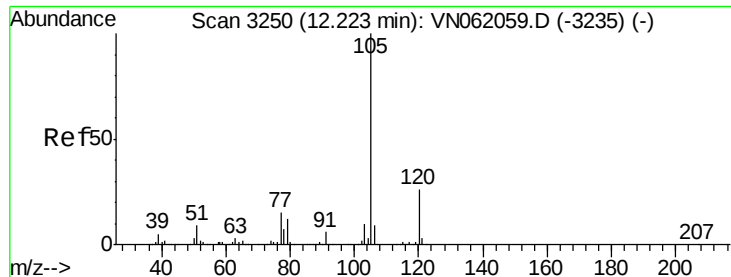


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.755 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

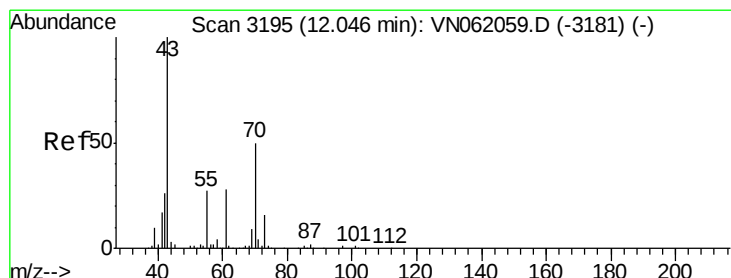
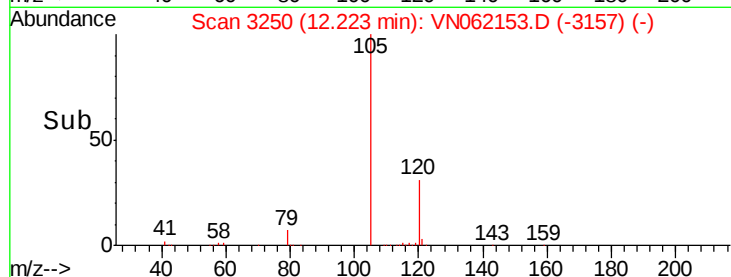
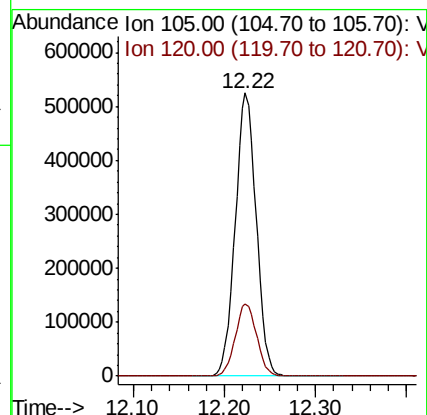
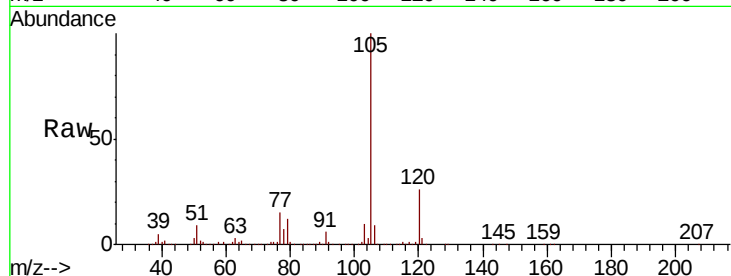
VSTDCCC050EC

Tot Ion:105 Resp: 837975

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 50.393 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Tgt Ion: 43 Resp: 319008

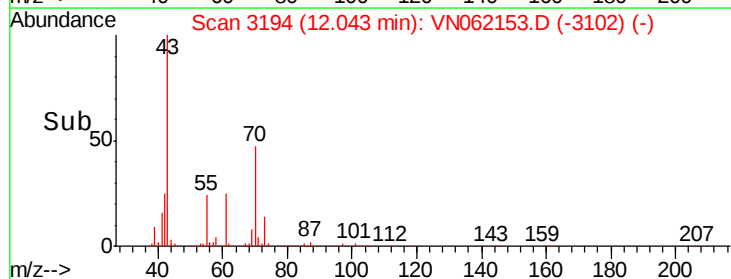
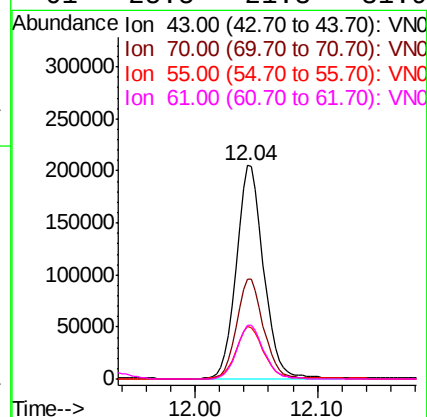
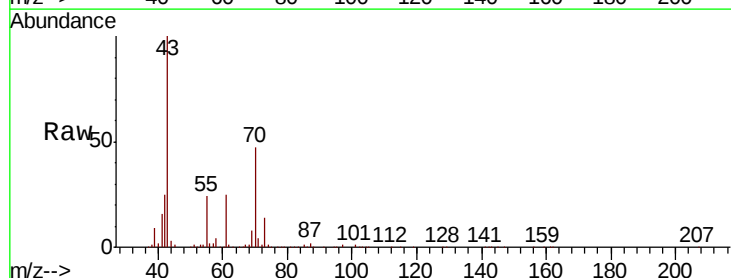
Ion Ratio Lower Upper

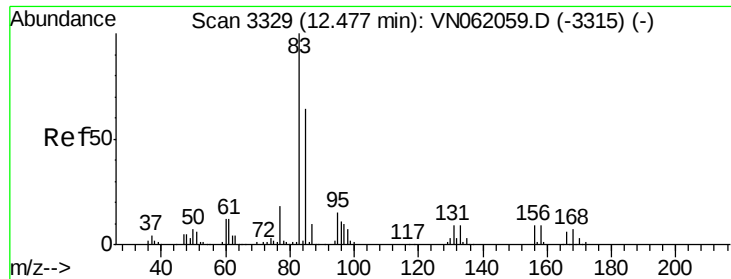
43 100

70 46.4 39.4 59.2

55 24.5 21.7 32.5

61 25.5 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 45.459 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

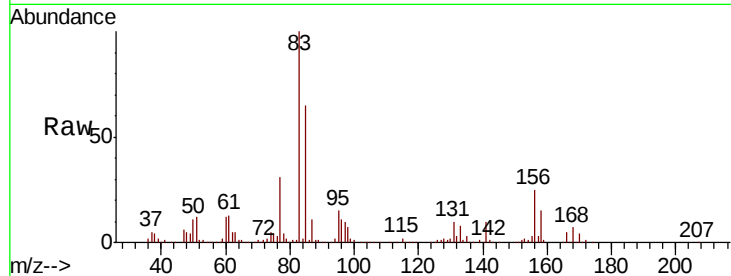
Tot Ion: 83 Resp: 260005

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

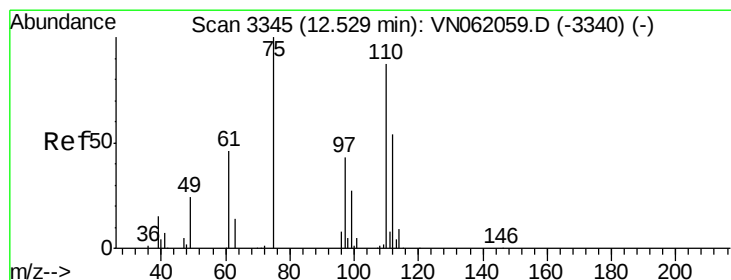
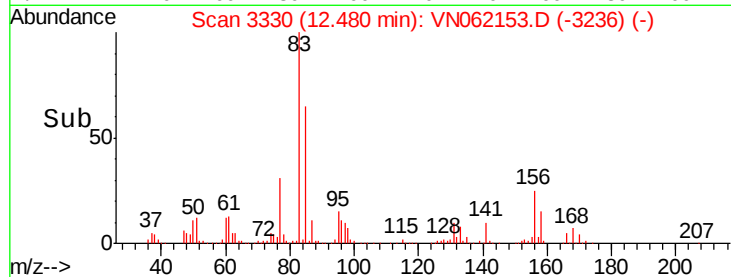
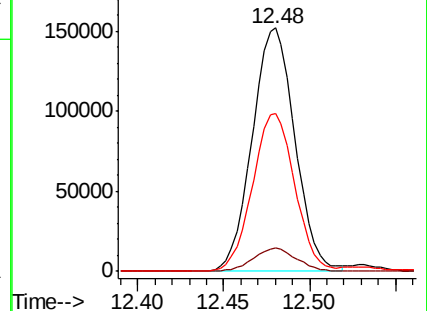
85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN062153.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062153.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062153.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 62.349 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062153.D

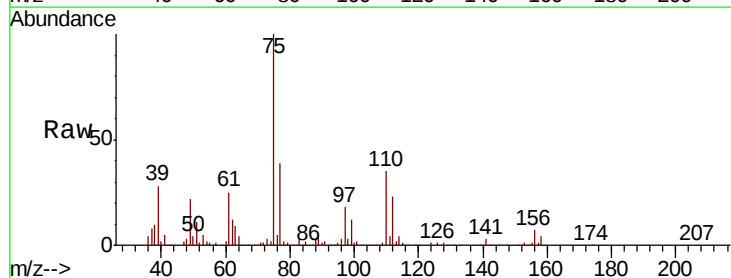
Acq: 26 Jun 2020 20:39

Tgt Ion: 75 Resp: 325895

Ion Ratio Lower Upper

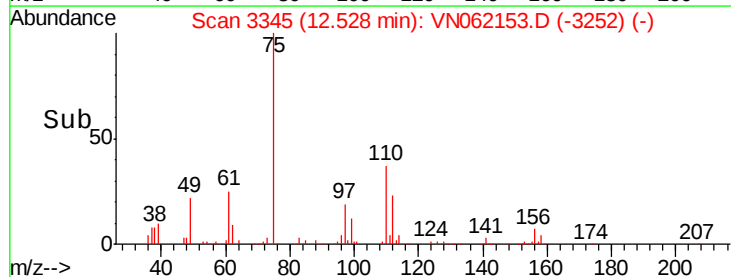
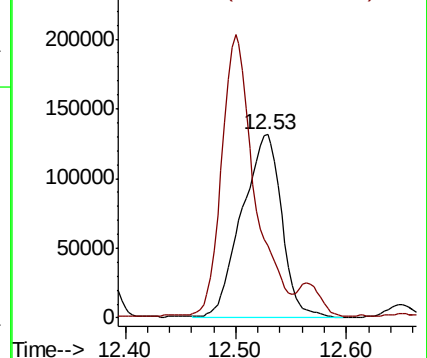
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062153.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062153.D (-3252) (-)





#77

Bromobenzene

Concen: 74.465 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

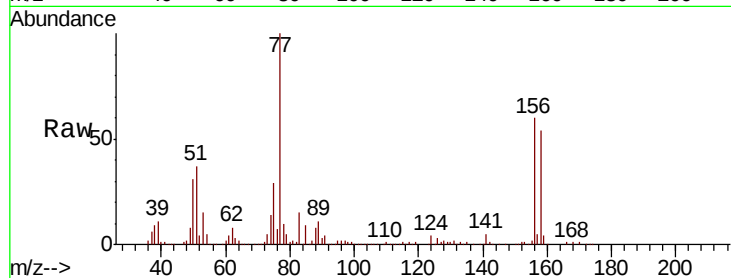
Tot Ion:156 Resp: 317746

Ion Ratio Lower Upper

156 100

77 131.5 104.6 313.8

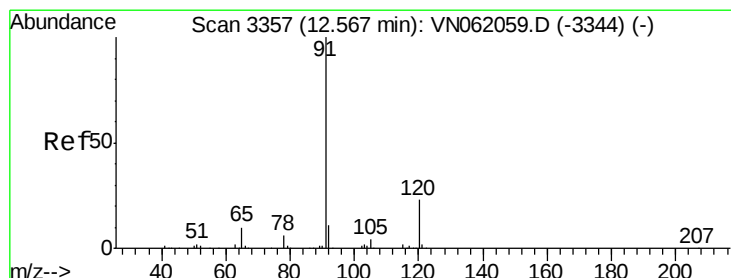
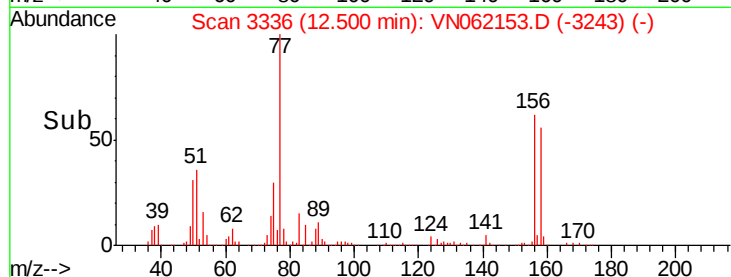
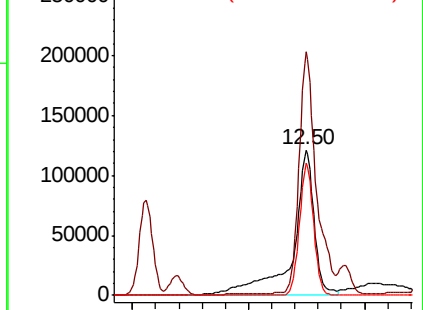
158 58.9 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.428 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062153.D

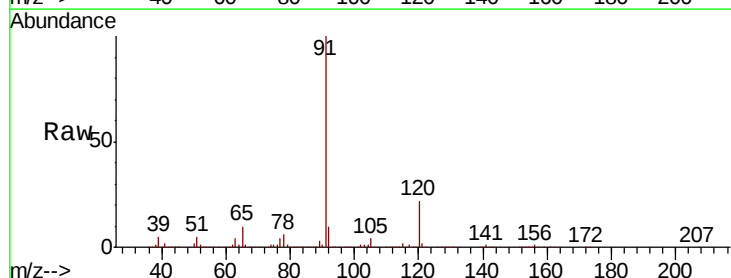
Acq: 26 Jun 2020 20:39

Tgt Ion: 91 Resp: 971747

Ion Ratio Lower Upper

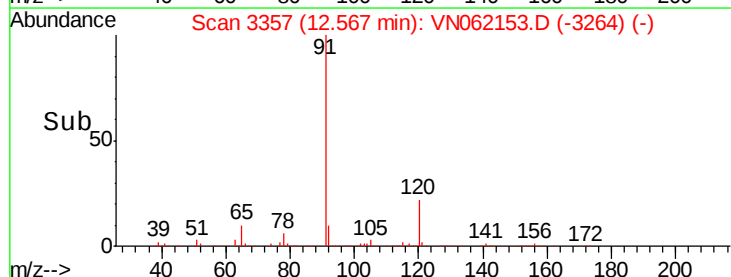
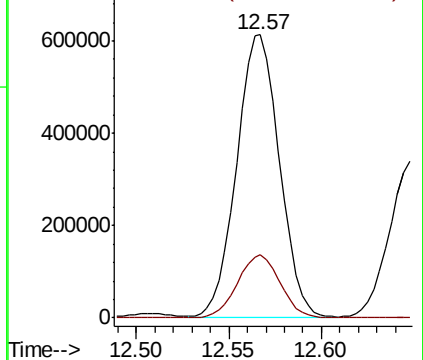
91 100

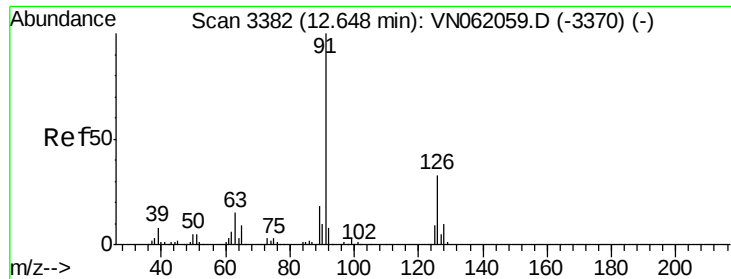
120 22.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

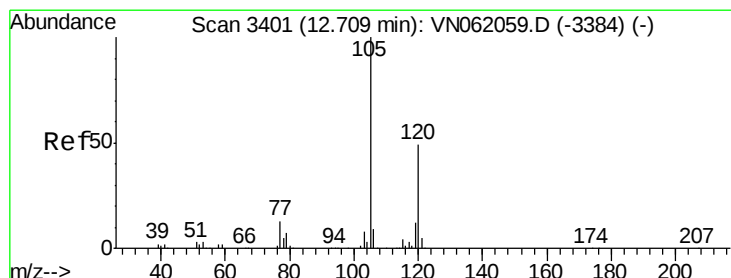
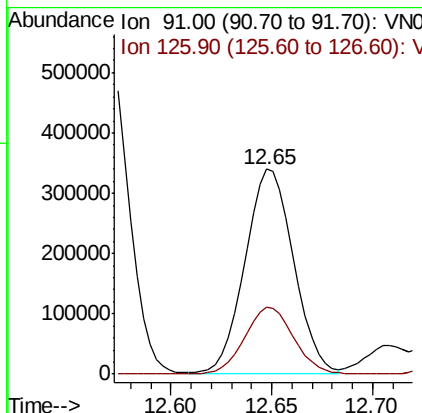
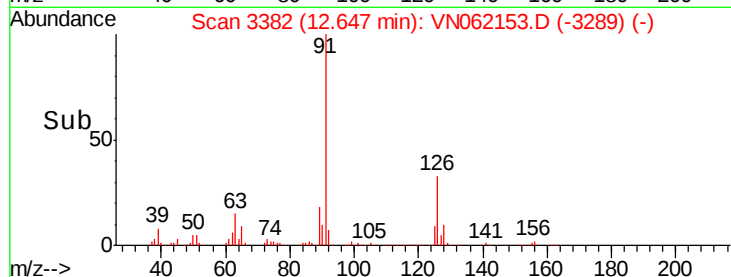
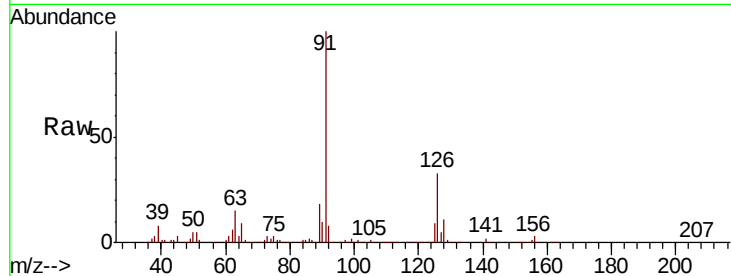




#79
 2-Chlorotoluene
 Concen: 47.837 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

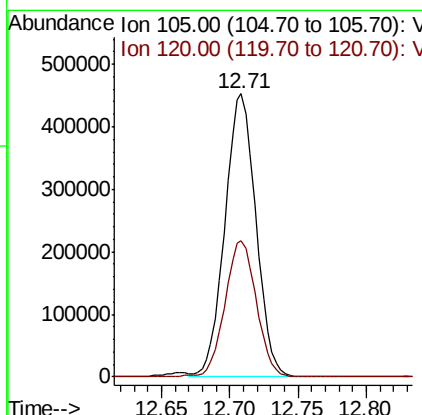
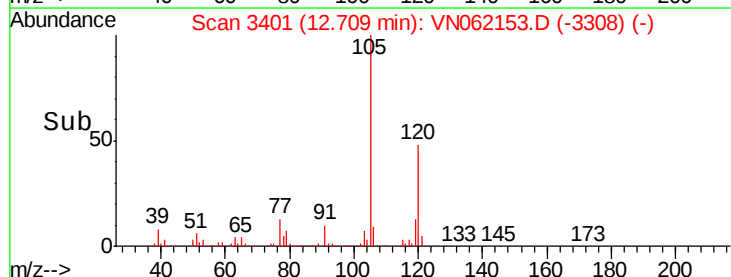
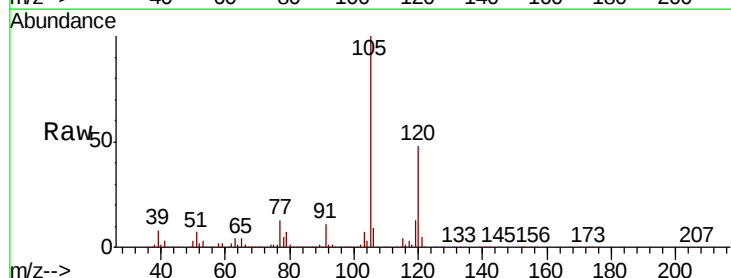
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

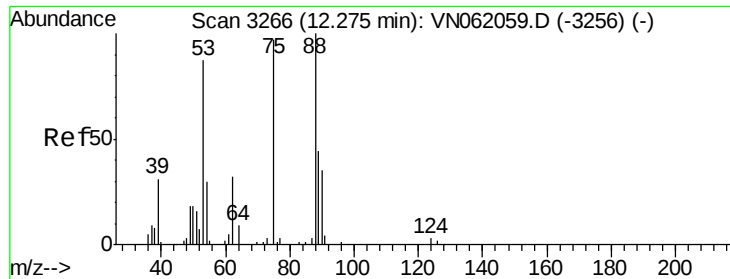
Tot Ion: 91 Resp: 568553
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.252 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion: 105 Resp: 714093
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.973 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

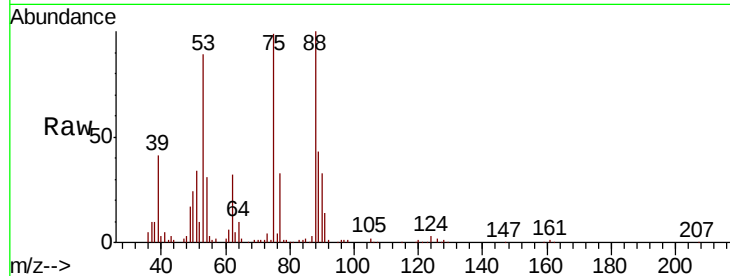
Tot Ion: 75 Resp: 84072

Ion Ratio Lower Upper

75 100

53 91.4 72.0 108.0

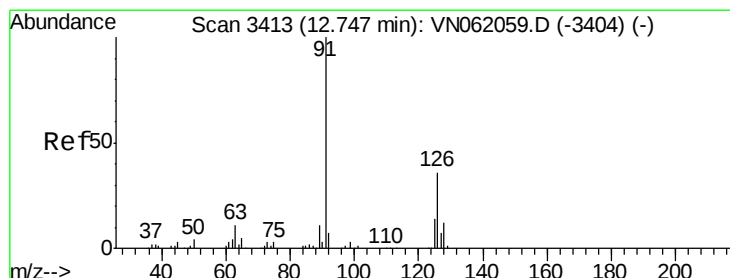
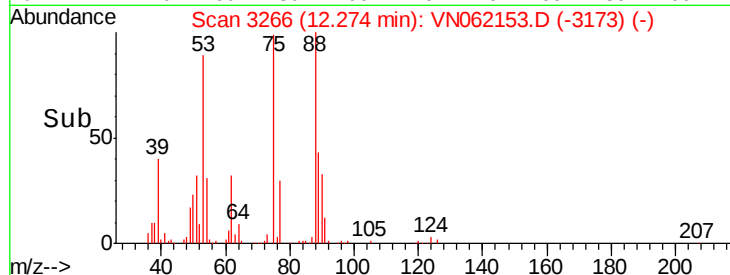
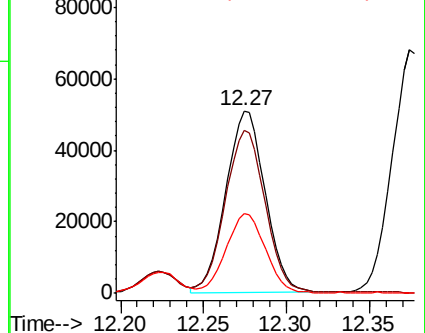
89 43.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN062153.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062153.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062153.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 48.364 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062153.D

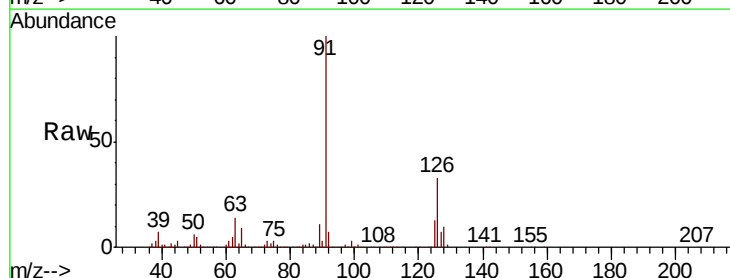
Acq: 26 Jun 2020 20:39

Tgt Ion: 91 Resp: 594417

Ion Ratio Lower Upper

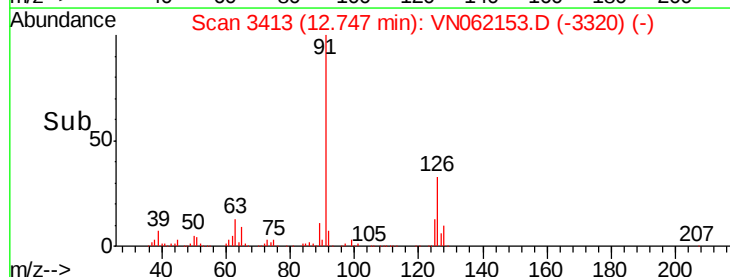
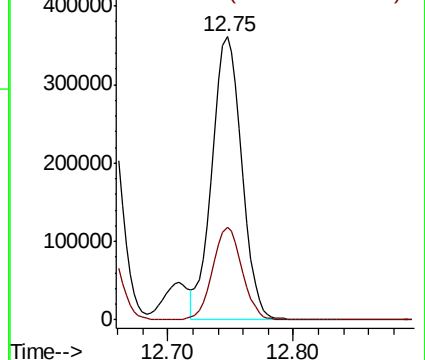
91 100

126 32.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN062153.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062153.D (-3320) (-)

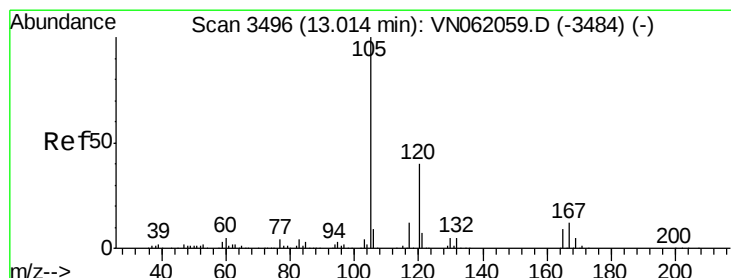
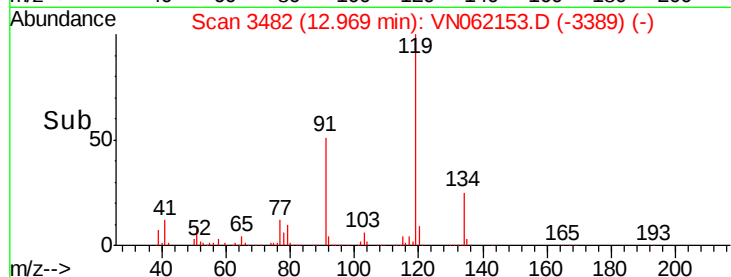
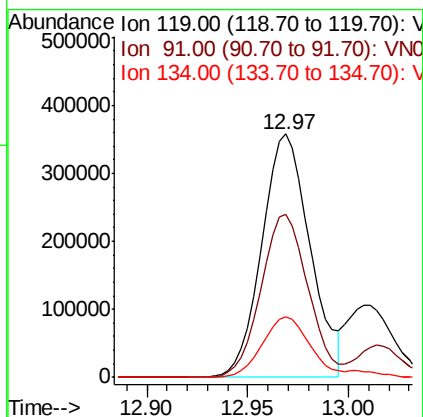
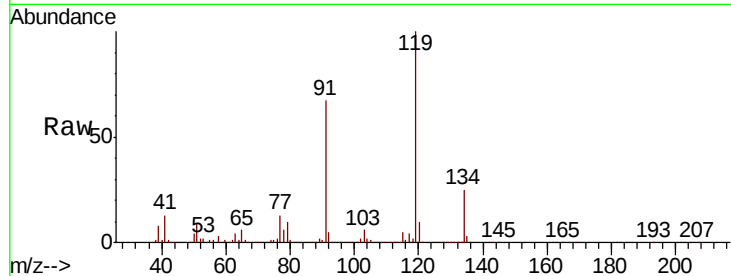




#83
tert-Butylbenzene
Concen: 49.956 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

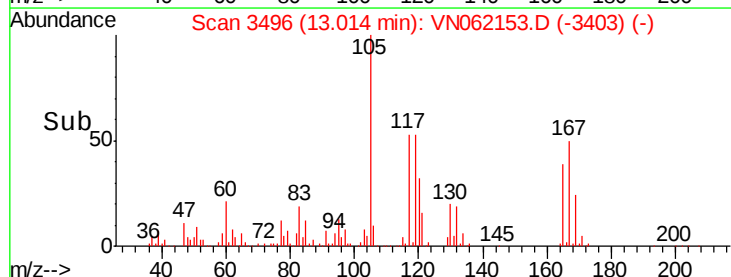
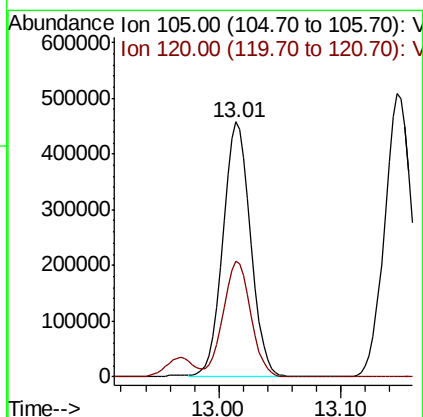
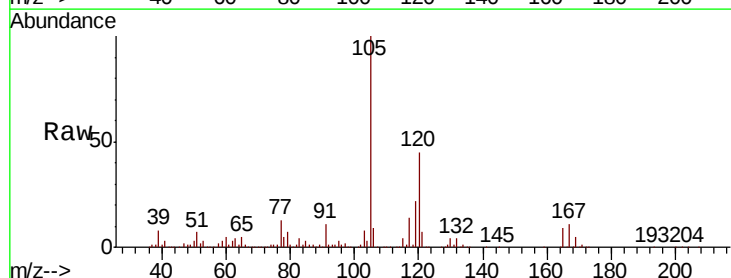
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

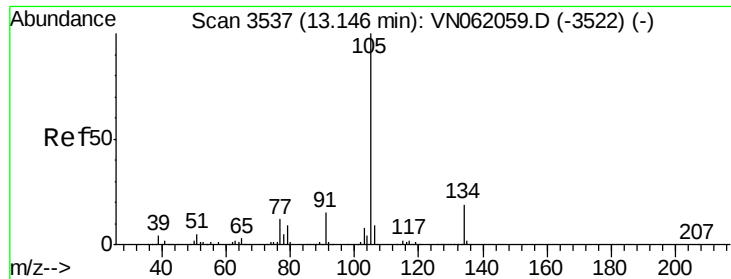
Tot Ion:119 Resp: 595673
Ion Ratio Lower Upper
119 100
91 65.4 31.7 95.1
134 26.1 13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 52.193 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion:105 Resp: 726289
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 50.798 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

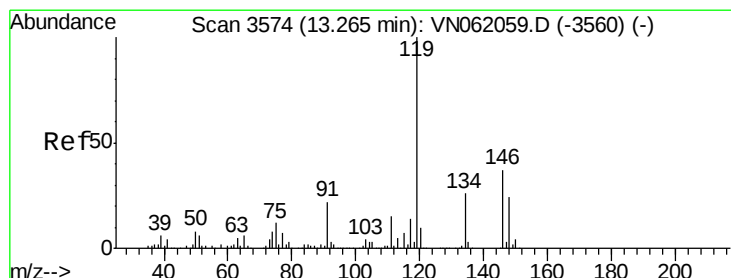
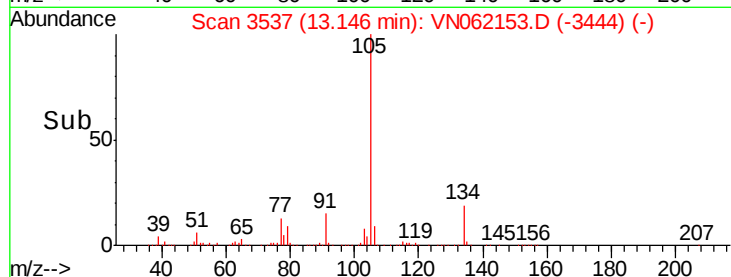
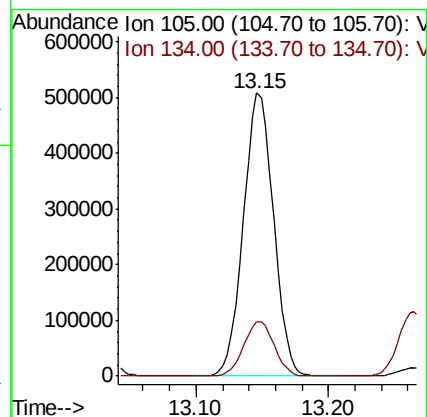
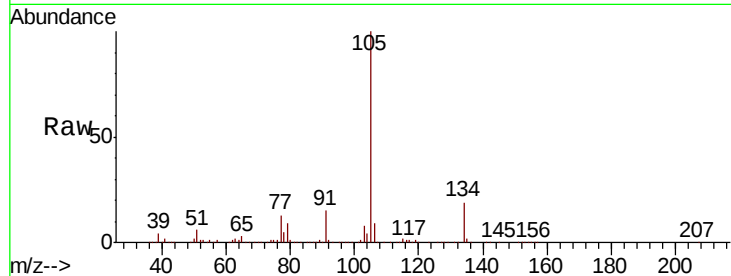
VSTDCCC050EC

Tot Ion:105 Resp: 800378

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 51.551 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

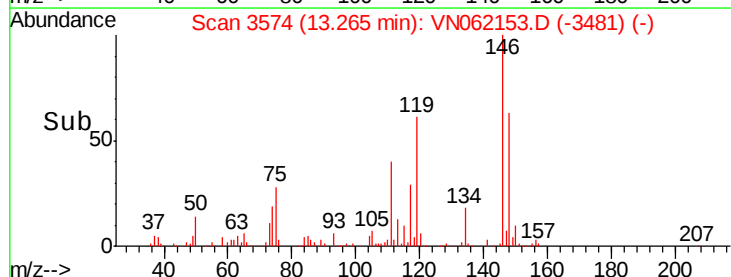
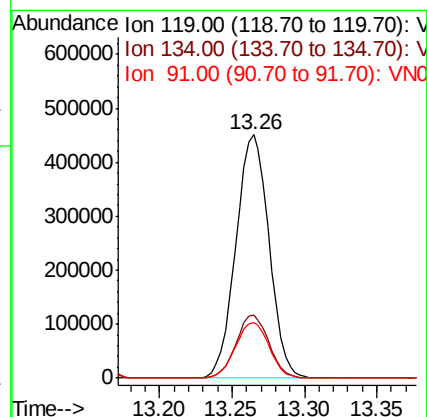
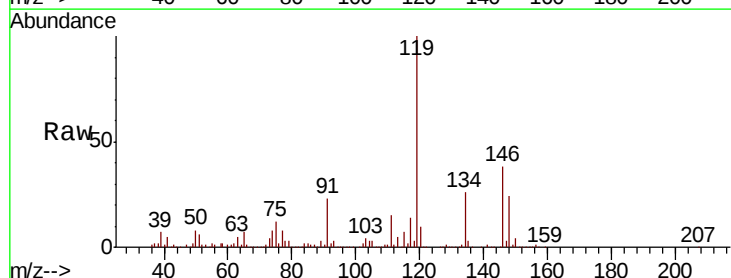
Tgt Ion:119 Resp: 711610

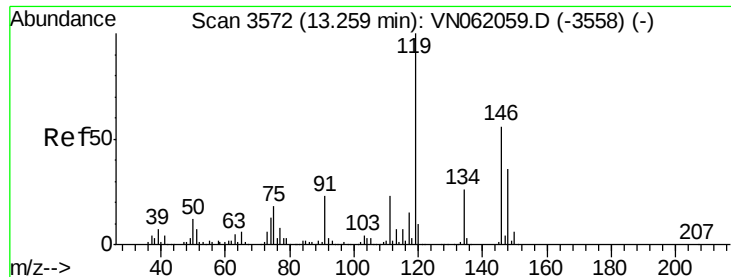
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 23.2 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 46.957 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

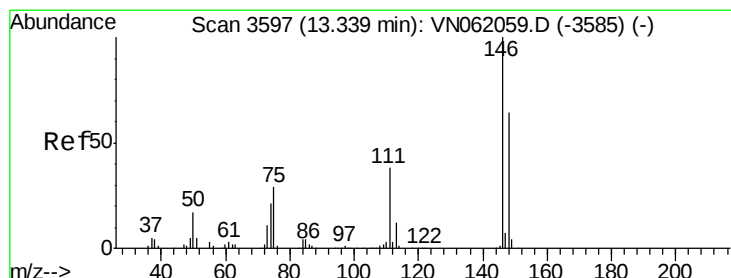
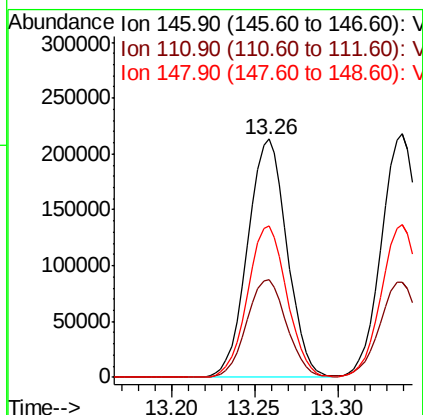
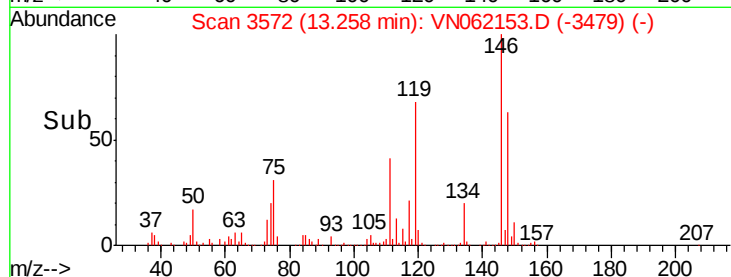
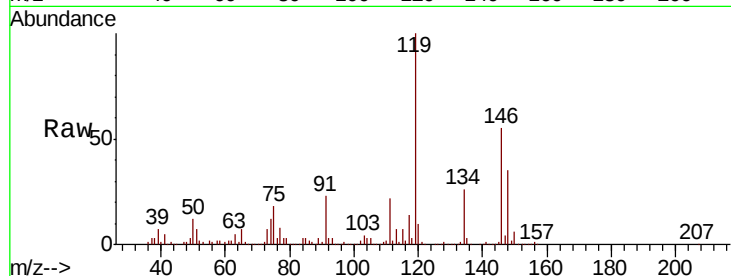
Tot Ion:146 Resp: 351848

Ion Ratio Lower Upper

146 100

111 41.3 20.3 61.0

148 63.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 45.557 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062153.D

Acq: 26 Jun 2020 20:39

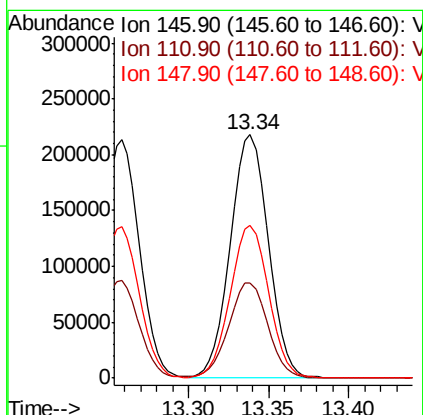
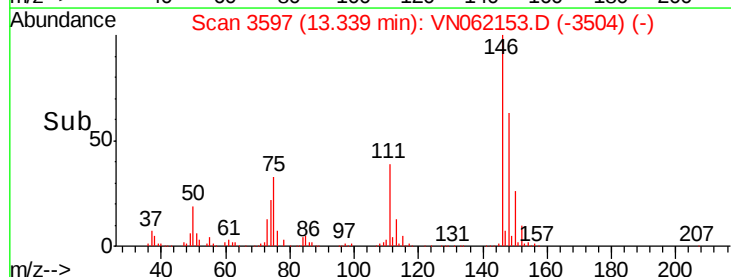
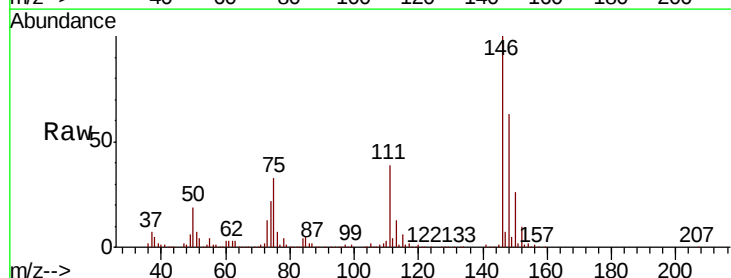
Tgt Ion:146 Resp: 351876

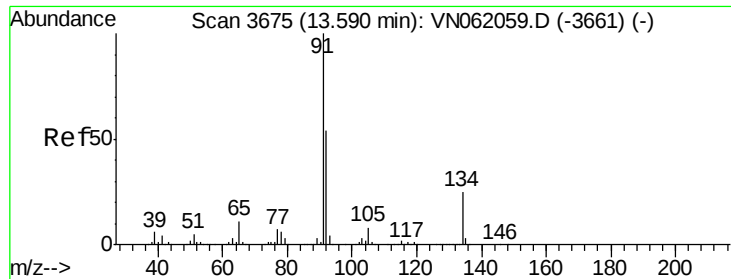
Ion Ratio Lower Upper

146 100

111 40.3 19.9 59.6

148 63.5 31.9 95.9

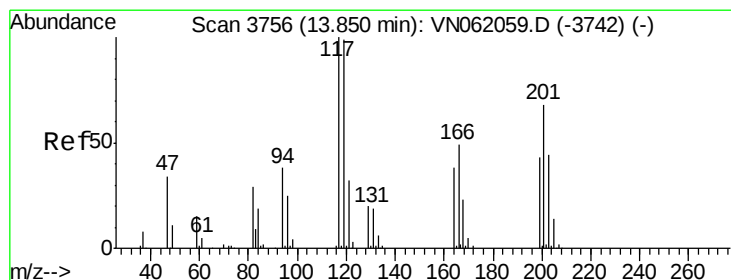
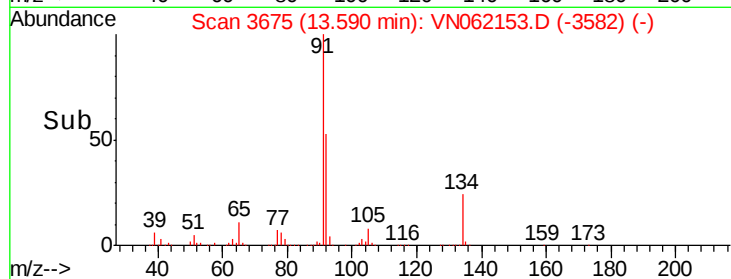
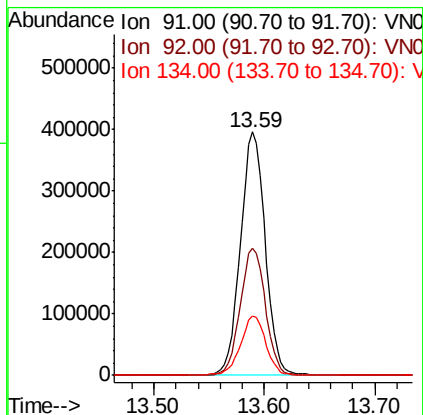
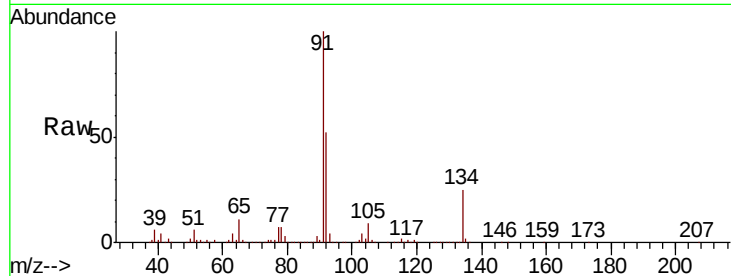




#89
n-Butylbenzene
Concen: 53.439 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

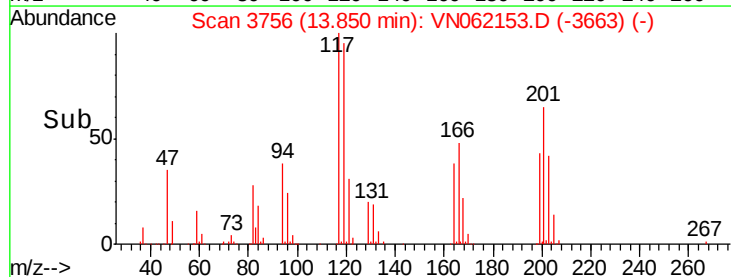
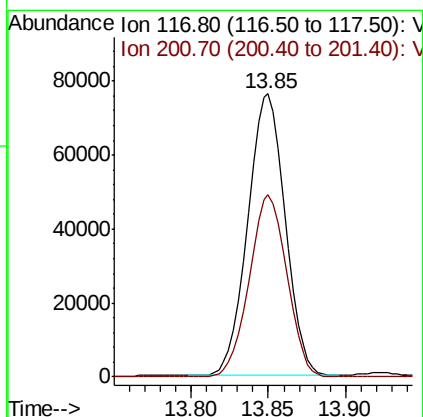
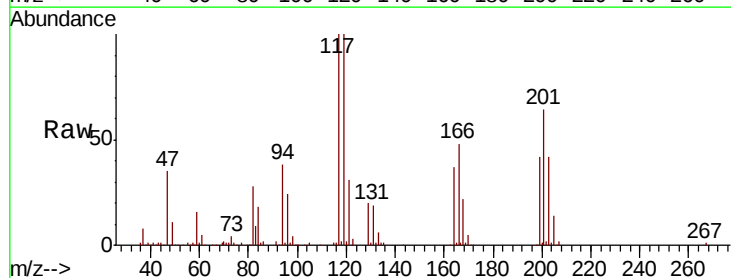
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 613292
Ion Ratio Lower Upper
91 100
92 53.2 26.6 79.7
134 24.8 12.3 36.9



#90
Hexachloroethane
Concen: 47.448 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion: 117 Resp: 128506
Ion Ratio Lower Upper
117 100
201 64.8 32.7 98.1

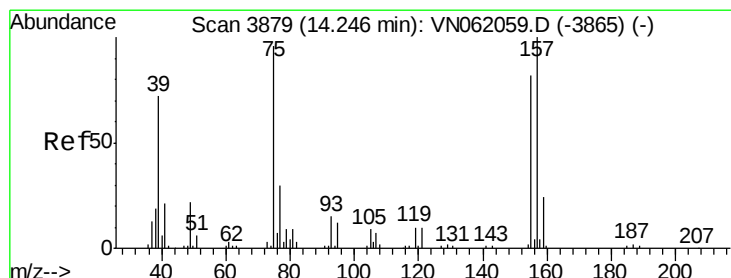
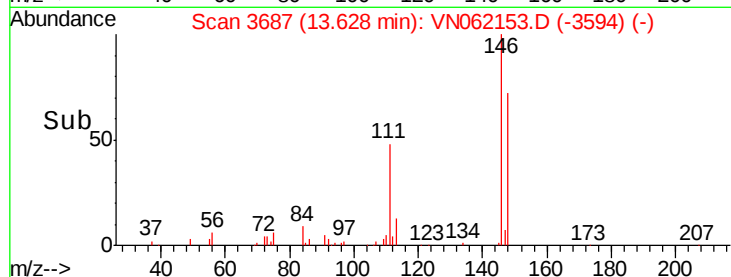
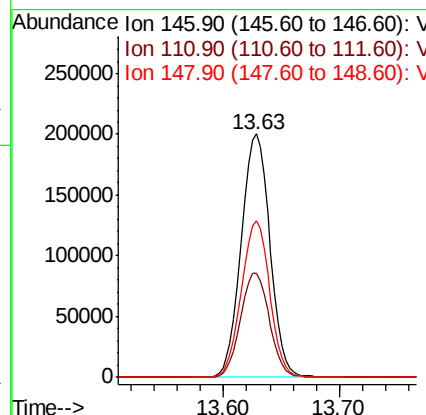
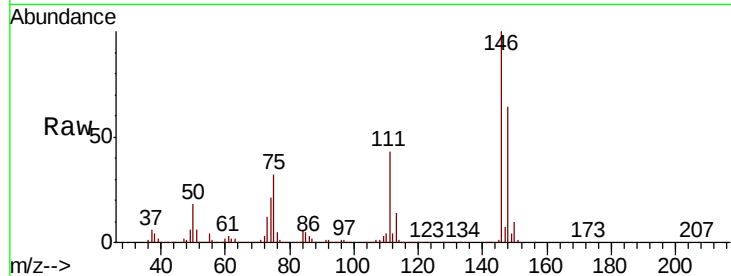




#91
 1,2-Dichlorobenzene
 Concen: 47.262 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

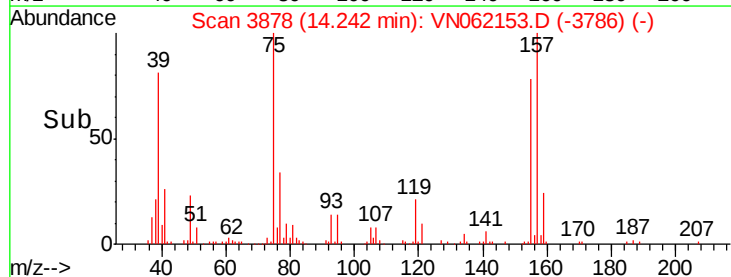
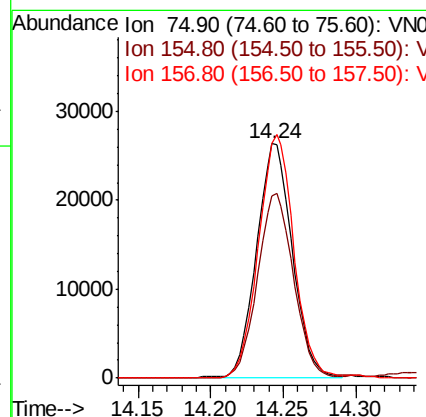
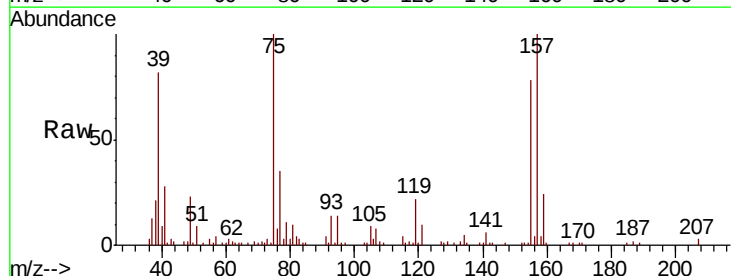
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

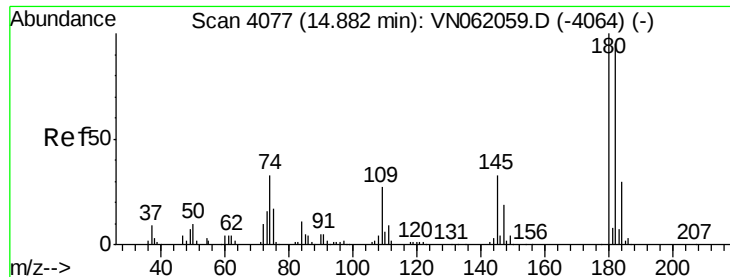
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	63.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.688 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062153.D
 Acq: 26 Jun 2020 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.8	122.4
157	102.0	51.4	154.3

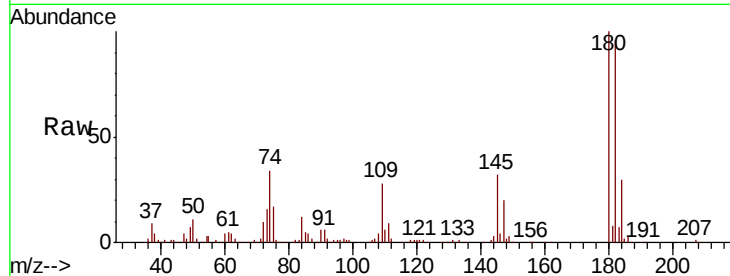




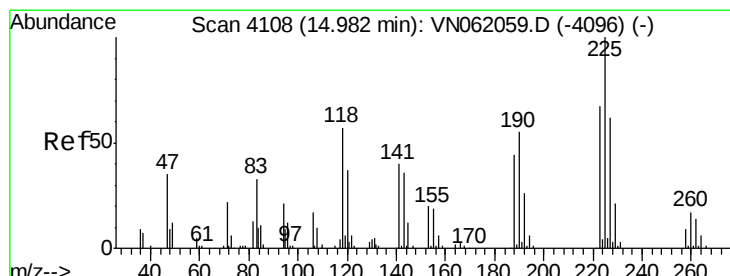
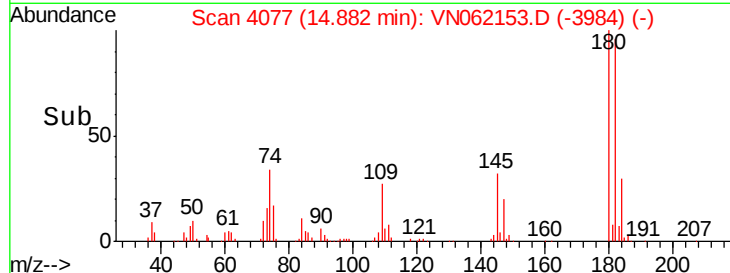
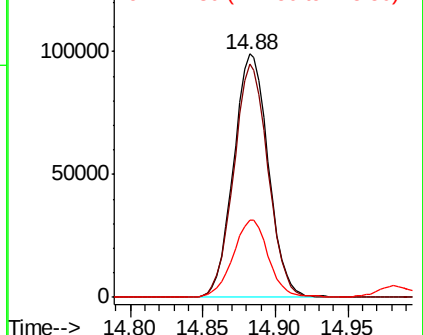
#93
1,2,4-Trichlorobenzene
Concen: 52.000 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:180 Resp: 165055
Ion Ratio Lower Upper
180 100
182 94.4 48.0 144.2
145 32.5 16.0 48.0

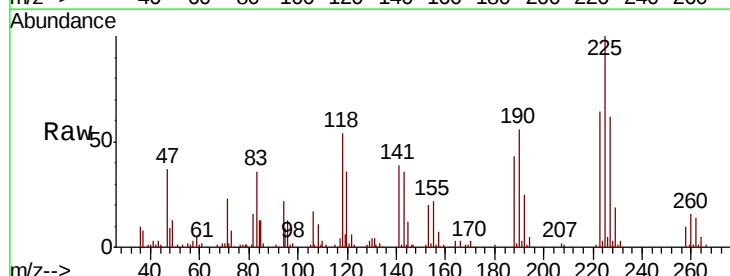


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

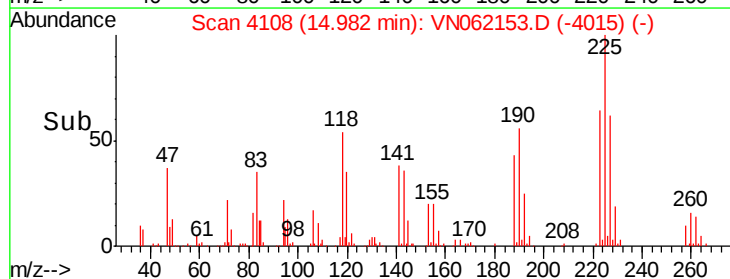
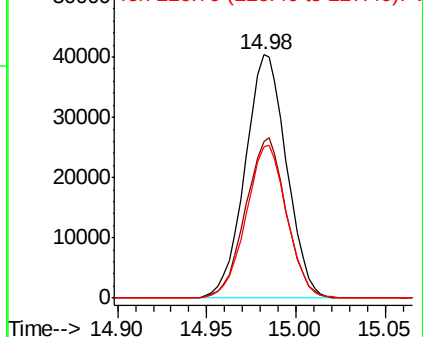


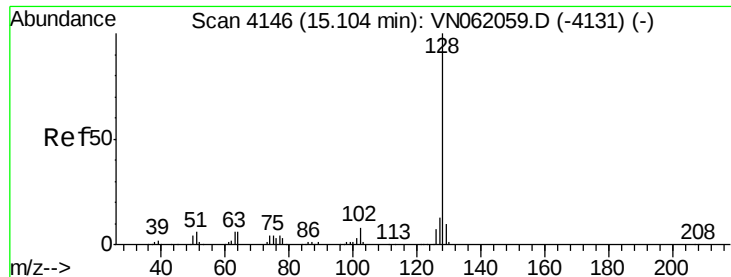
#94
Hexachlorobutadiene
Concen: 47.639 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion:225 Resp: 65676
Ion Ratio Lower Upper
225 100
223 64.6 32.9 98.7
227 61.8 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

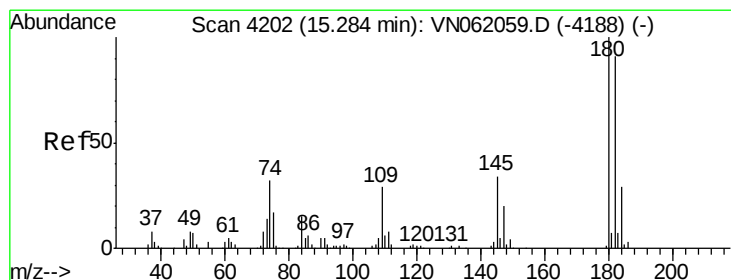
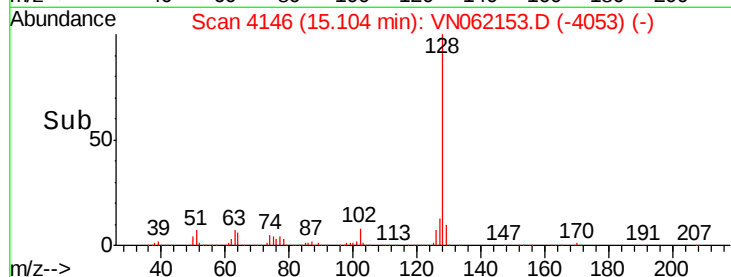
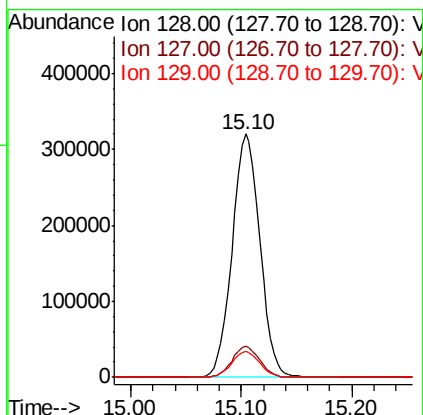
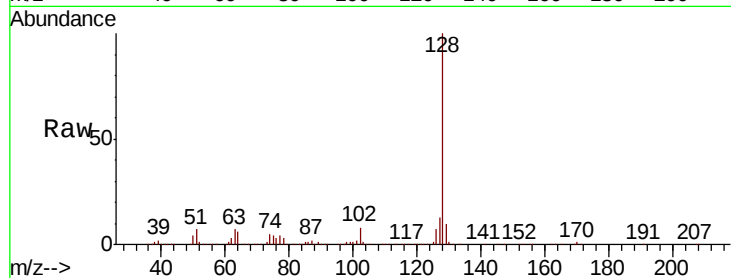




#95
Naphthalene
Concen: 52.556 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 558565
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.140 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062153.D
Acq: 26 Jun 2020 20:39

Tgt Ion:180 Resp: 162735
Ion Ratio Lower Upper
180 100
182 95.7 46.8 140.4
145 35.4 16.4 49.2

