

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076250.D
 Acq On : 13 Jan 2023 15:51
 Operator : JC\MD
 Sample : N6245-01
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 16 01:10:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

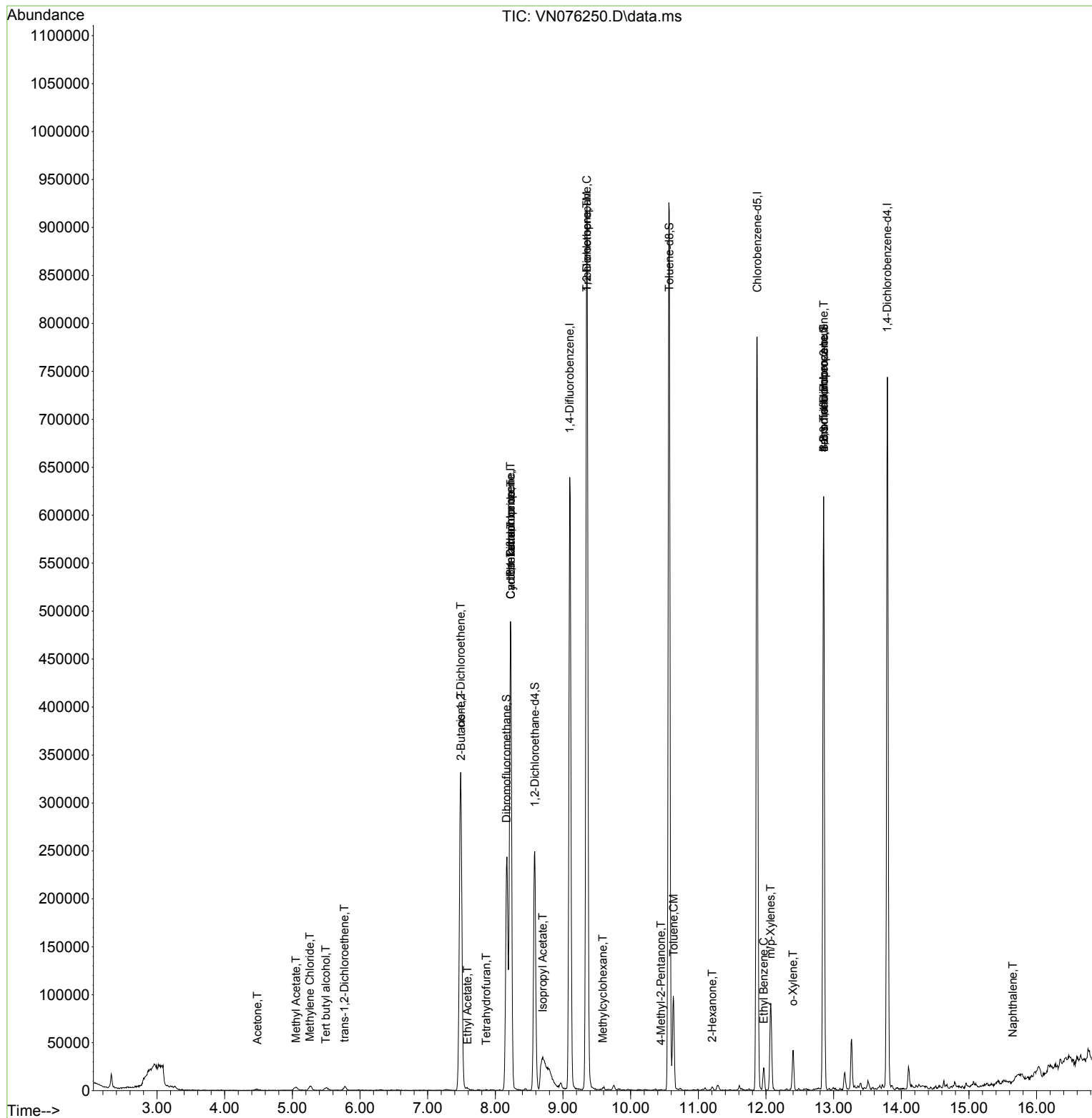
Internal Standards						
1) Pentafluorobenzene	8.224	168	376738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	593839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	490627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	203715	49.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.400%		
35) Dibromofluoromethane	8.165	113	175832	47.812	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.620%		
50) Toluene-d8	10.571	98	675084	49.097	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.200%		
62) 4-Bromofluorobenzene	12.853	95	199753	43.862	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.720%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.494	59	2340	4.035	ug/l #	72
16) Acetone	4.483	43	2598	1.839	ug/l #	84
18) Methyl Acetate	5.053	43	7704	1.845	ug/l #	87
20) Methylene Chloride	5.259	84	4079	0.445	ug/l #	84
21) trans-1,2-Dichloroethene	5.771	96	2600	0.711	ug/l	92
25) 2-Butanone	7.494	43	671	0.339	ug/l #	51
27) cis-1,2-Dichloroethene	7.488	96	211787	48.426	ug/l	94
29) Tetrahydrofuran	7.865	42	311	0.251	ug/l #	38
31) Cyclohexane	8.230	56	7776	1.325	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	27173	5.562	ug/l #	50
37) Ethyl Acetate	7.588	43	1827	0.466	ug/l #	71
38) Carbon Tetrachloride	8.230	117	37044	6.775	ug/l #	16
39) Methylcyclohexane	9.588	83	1324	0.225	ug/l #	76
43) Isopropyl Acetate	8.700	43	81588	12.604	ug/l #	51
44) Trichloroethene	9.353	130	343799	80.965	ug/l	100
45) 1,2-Dichloropropane	9.353	63	1088	0.297	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	820	0.209	ug/l #	32
52) Toluene	10.635	92	43818	4.464	ug/l	98
59) 2-Hexanone	11.206	43	1597	0.559	ug/l #	35
67) Ethyl Benzene	11.965	91	17222	1.013	ug/l	94
68) m/p-Xylenes	12.071	106	30851	4.586	ug/l	99
69) o-Xylene	12.400	106	11984	1.800	ug/l	100
71) Bromoform	12.853	173	1580	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	105339	25.179	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	105339	90.632	ug/l #	12
95) Naphthalene	15.647	128	2729	2.409	ug/l #	87

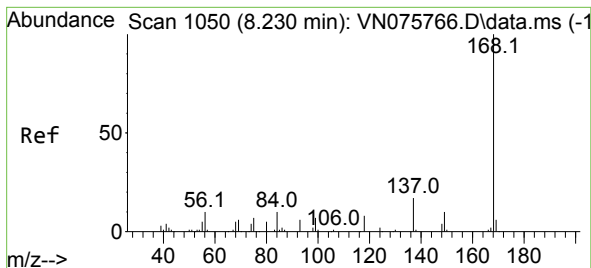
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

Instrument :

MSVOA_N

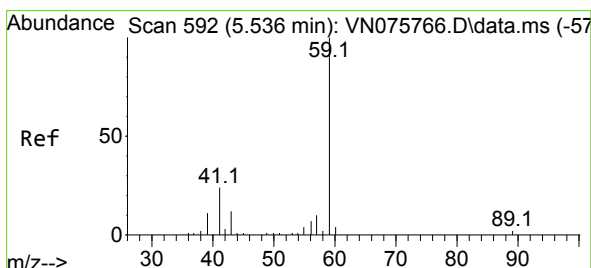
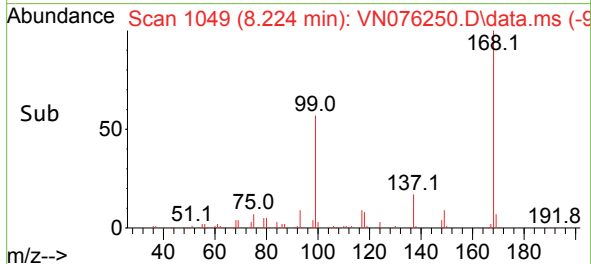
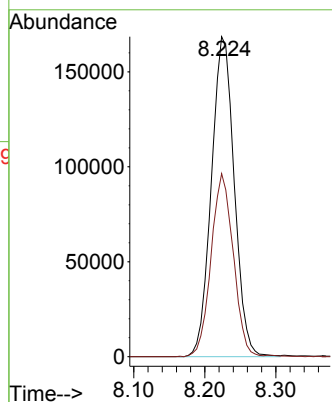
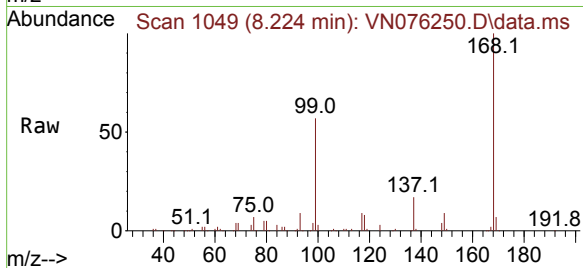
ClientSampleId :

Tgt Ion:168 Resp: 376738

Ion Ratio Lower Upper

168 100

99 57.1 44.2 66.4



#11

Tert butyl alcohol

Concen: 4.035 ug/l

RT: 5.494 min Scan# 585

Delta R.T. -0.041 min

Lab File: VN076250.D

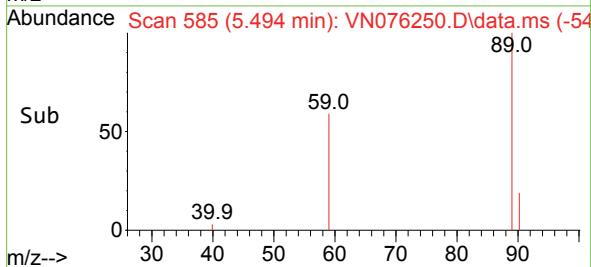
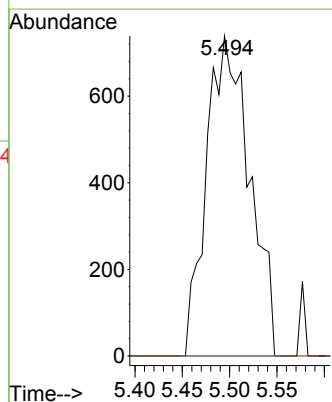
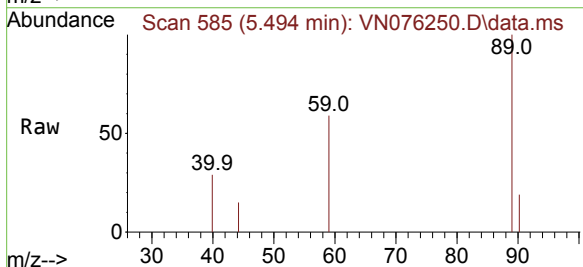
Acq: 13 Jan 2023 15:51

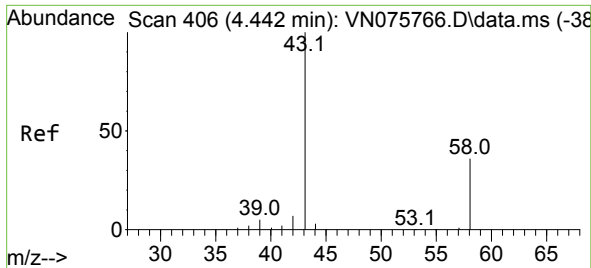
Tgt Ion: 59 Resp: 2340

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.839 ug/l

RT: 4.483 min Scan# 41

Delta R.T. 0.041 min

Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

Instrument :

MSVOA_N

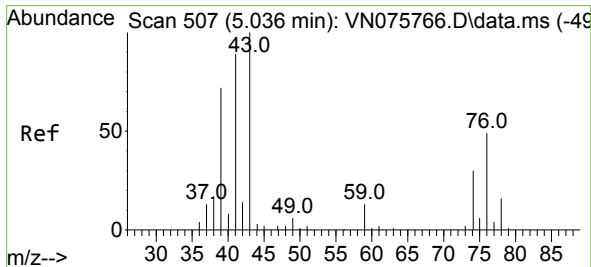
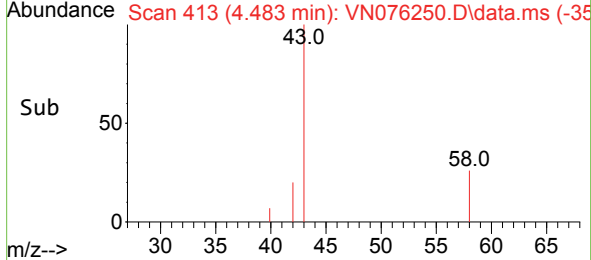
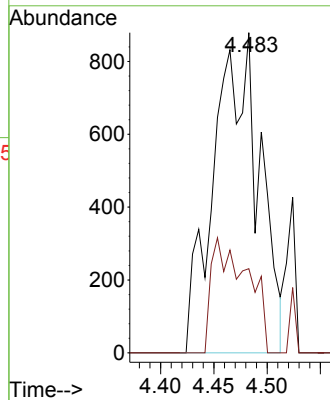
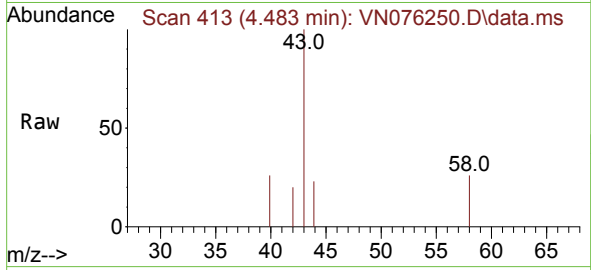
ClientSampleId :

Tgt Ion: 43 Resp: 2598

Ion Ratio Lower Upper

43 100

58 26.3 28.6 43.0#



#18

Methyl Acetate

Concen: 1.845 ug/l

RT: 5.053 min Scan# 510

Delta R.T. 0.018 min

Lab File: VN076250.D

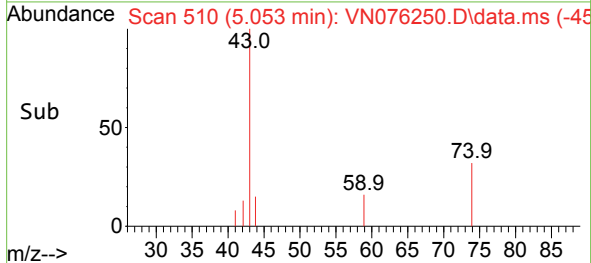
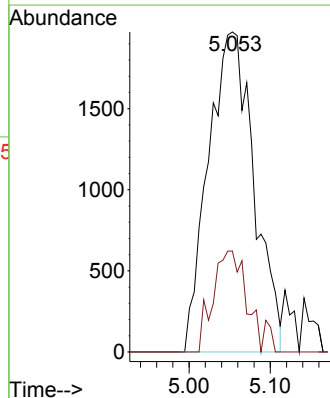
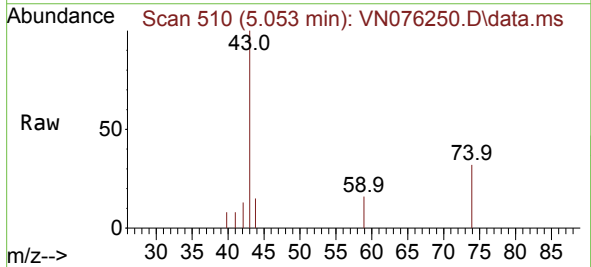
Acq: 13 Jan 2023 15:51

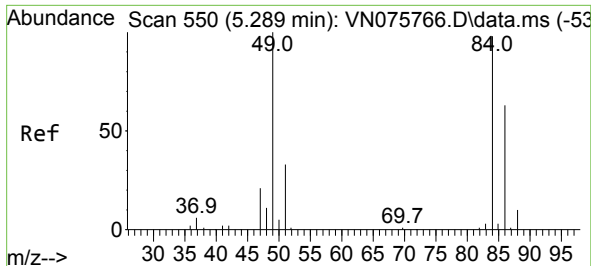
Tgt Ion: 43 Resp: 7704

Ion Ratio Lower Upper

43 100

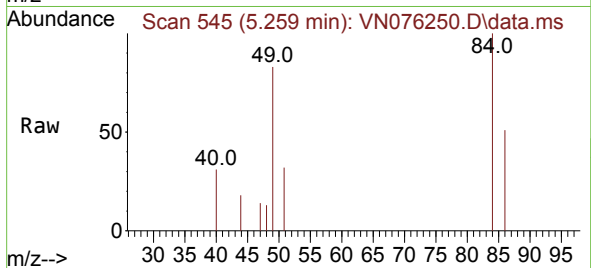
74 22.7 23.6 35.4#



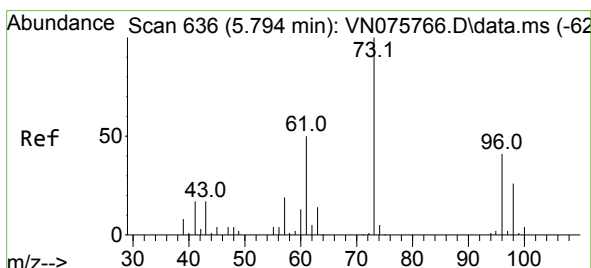
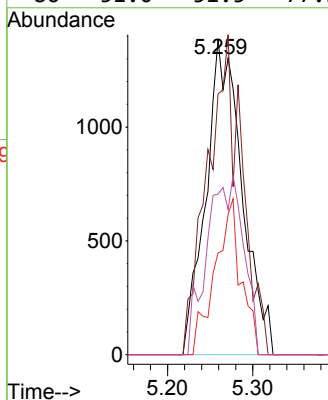
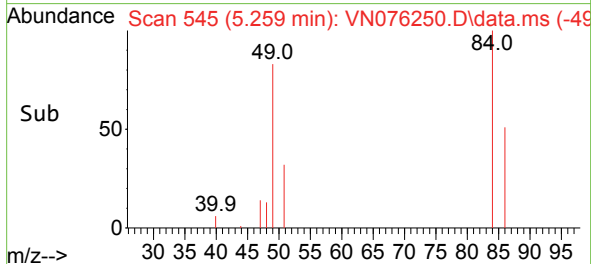


#20
Methylene Chloride
Concen: 0.445 ug/l
RT: 5.259 min Scan# 54
Delta R.T. -0.030 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

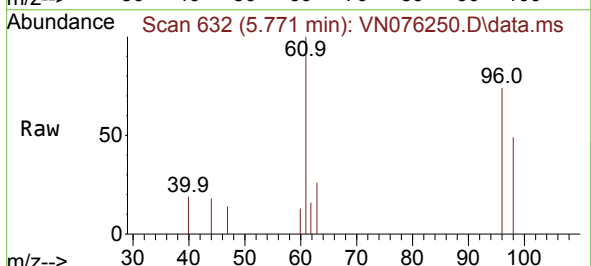
Instrument :
MSVOA_N
ClientSampleId :



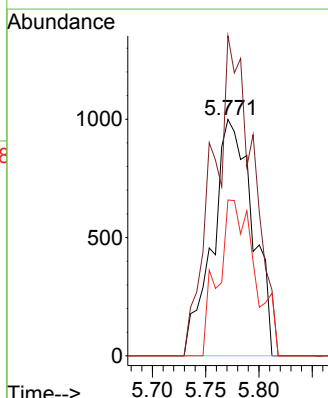
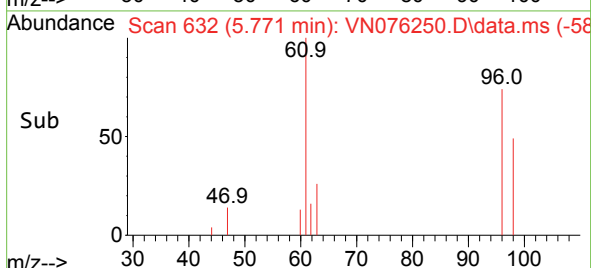
Tgt Ion: 84 Resp: 4079
Ion Ratio Lower Upper
84 100
49 82.7 81.8 122.6
51 32.3 26.7 40.1
86 51.0 51.5 77.3#

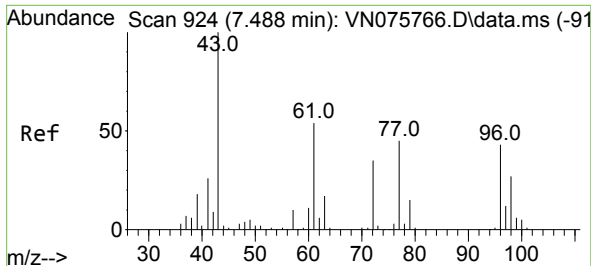


#21
trans-1,2-Dichloroethene
Concen: 0.711 ug/l
RT: 5.771 min Scan# 632
Delta R.T. -0.024 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51



Tgt Ion: 96 Resp: 2600
Ion Ratio Lower Upper
96 100
61 135.3 98.1 147.1
98 66.0 51.4 77.2

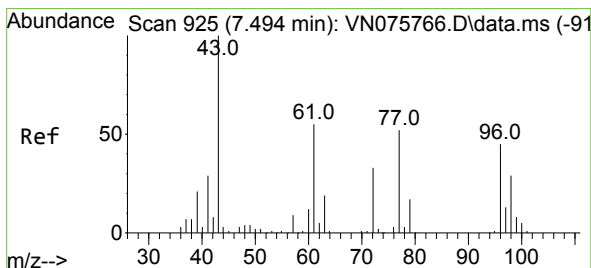
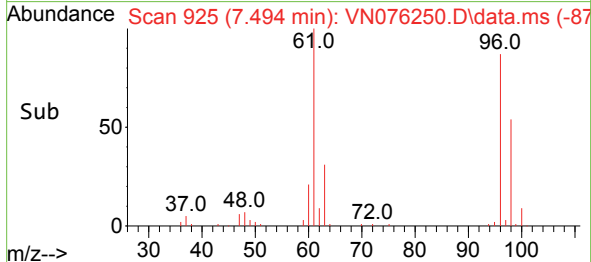
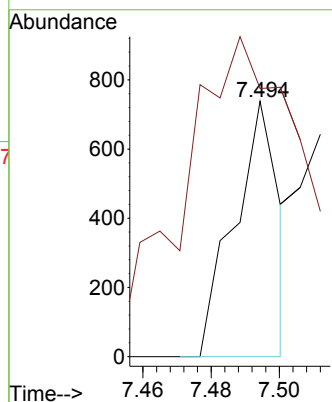
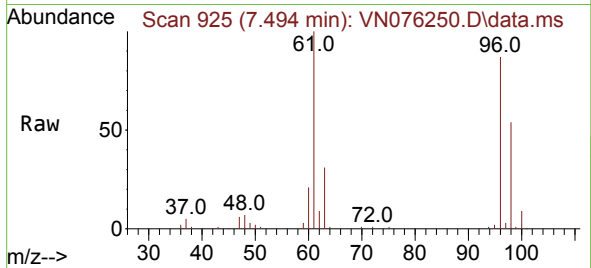




#25
2-Butanone
Concen: 0.339 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

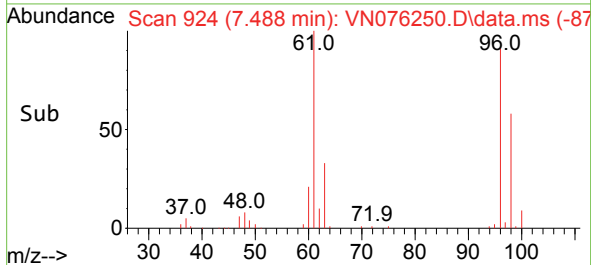
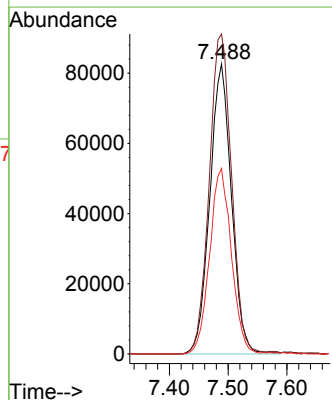
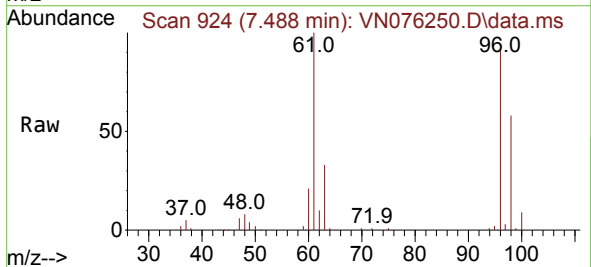
Instrument :
MSVOA_N
ClientSampleId :

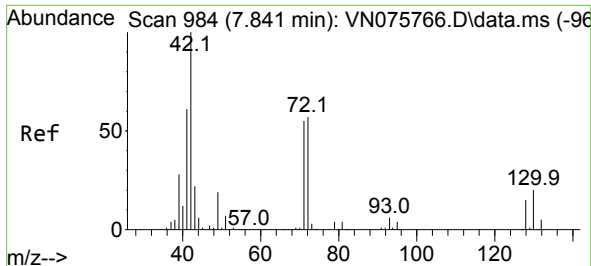
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
72 63.6 28.0 42.0#



#27
cis-1,2-Dichloroethene
Concen: 48.426 ug/l
RT: 7.488 min Scan# 924
Delta R.T. -0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Tgt Ion: 96 Resp: 211787
Ion Ratio Lower Upper
96 100
61 113.6 0.0 247.8
98 64.2 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.024 min

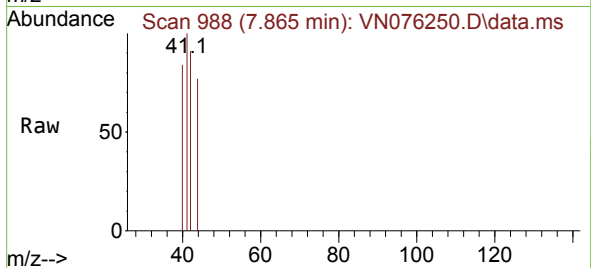
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Acq: 13 Jan 2023 15:51

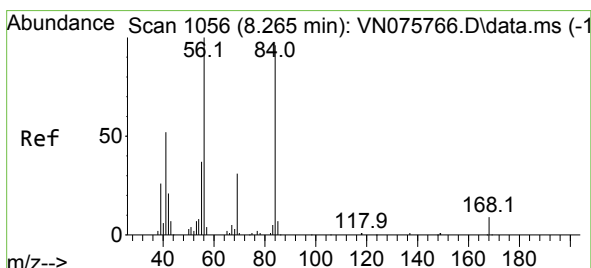
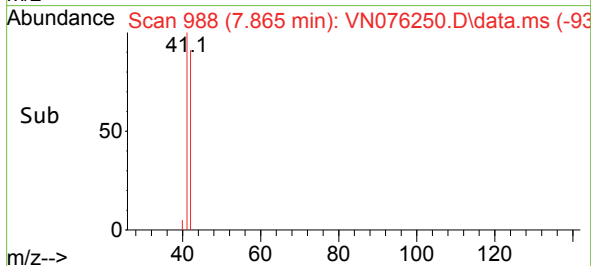
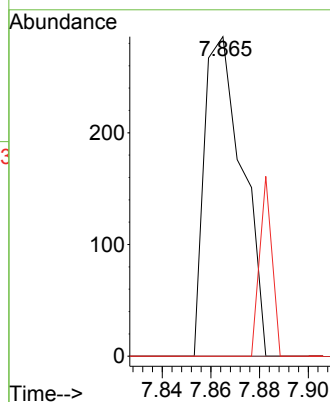
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	311
Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.5	66.7#
71	18.3	41.0	61.6#



#31

Cyclohexane

Concen: 1.325 ug/l

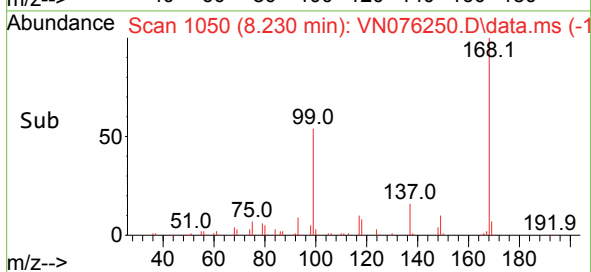
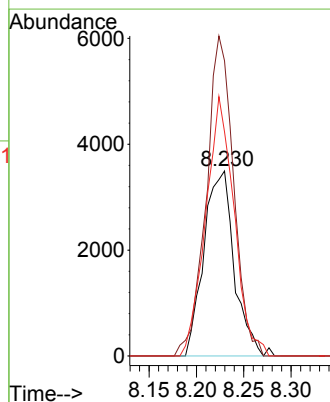
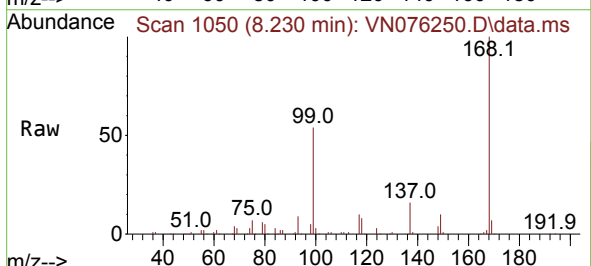
RT: 8.230 min Scan# 1050

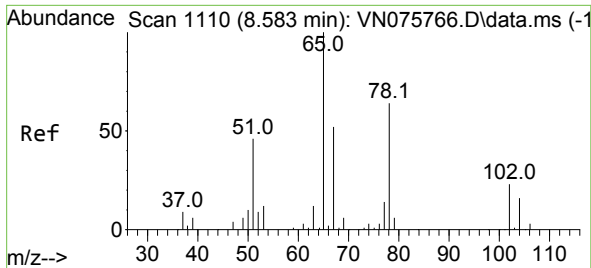
Delta R.T. -0.035 min

Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

Tgt Ion:	56	Resp:	7776
Ion	Ratio	Lower	Upper
56	100		
69	159.6	24.7	37.1#
84	121.2	76.5	114.7#

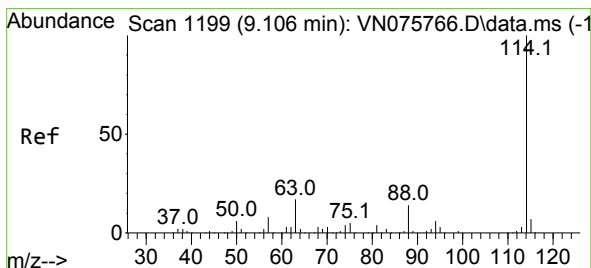
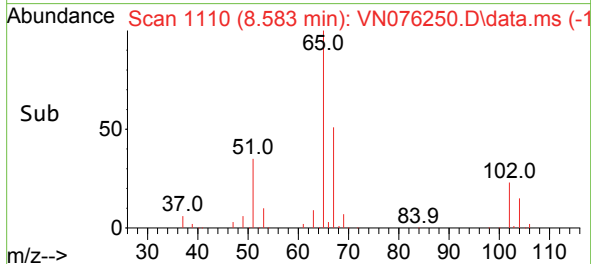
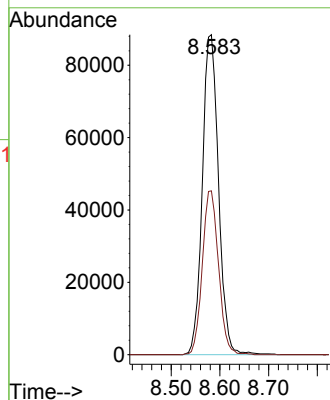
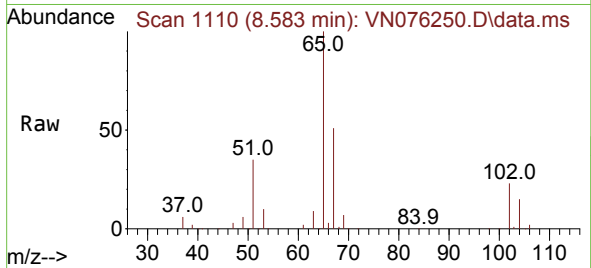




#33
 1,2-Dichloroethane-d4
 Concen: 49.704 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN076250.D
 Acq: 13 Jan 2023 15:51

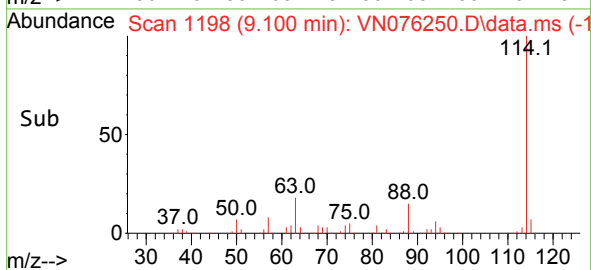
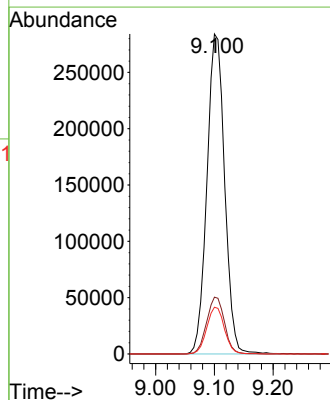
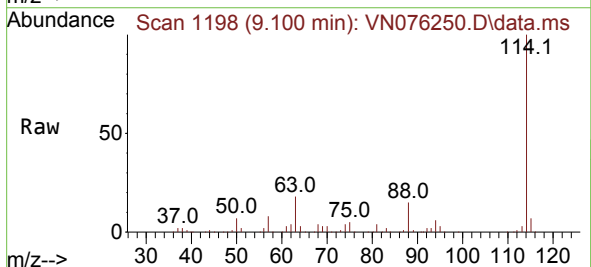
Instrument :
 MSVOA_N
 ClientSampleId :

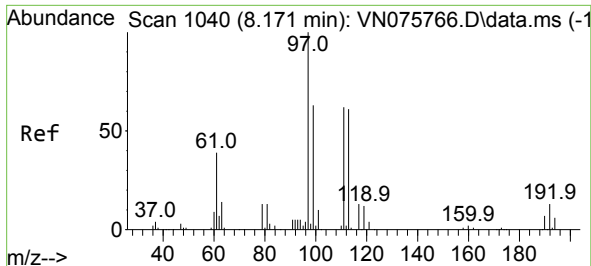
Tgt Ion: 65 Resp: 203715
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1198
 Delta R.T. -0.006 min
 Lab File: VN076250.D
 Acq: 13 Jan 2023 15:51

Tgt Ion: 114 Resp: 593839
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.4
 88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.812 ug/l

RT: 8.165 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

Instrument :

MSVOA_N

ClientSampleId :

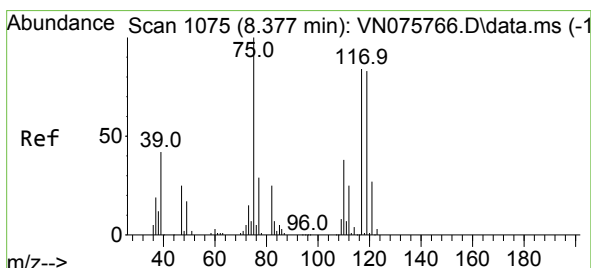
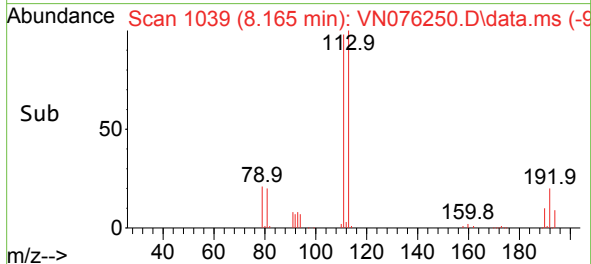
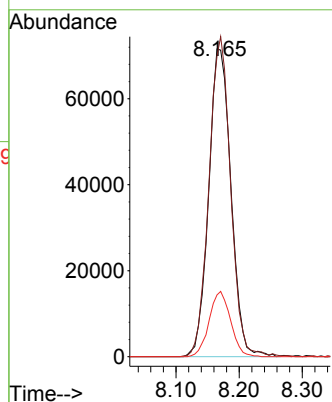
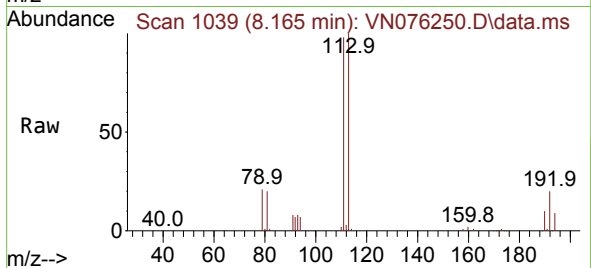
Tgt Ion:113 Resp: 175832

Ion Ratio Lower Upper

113 100

111 101.1 83.4 125.2

192 20.4 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.562 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

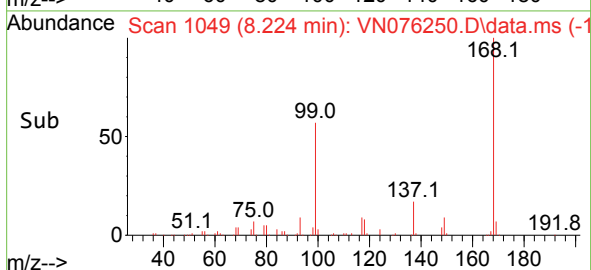
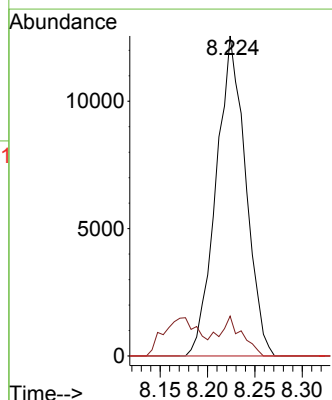
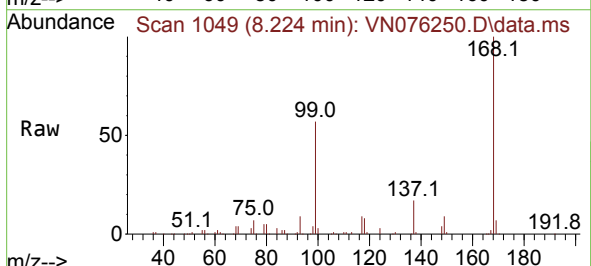
Tgt Ion: 75 Resp: 27173

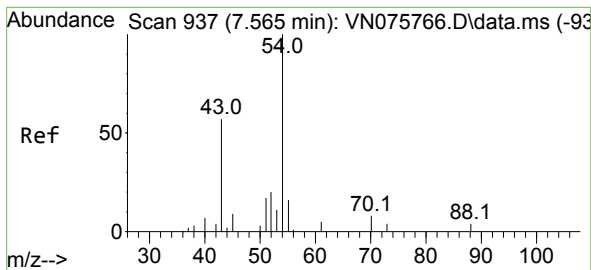
Ion Ratio Lower Upper

75 100

110 9.8 18.8 56.4#

77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 0.466 ug/l

RT: 7.588 min Scan# 941

Delta R.T. 0.024 min

Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

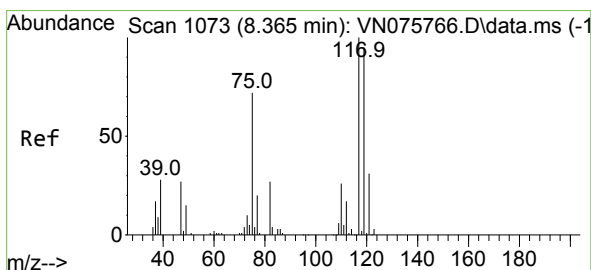
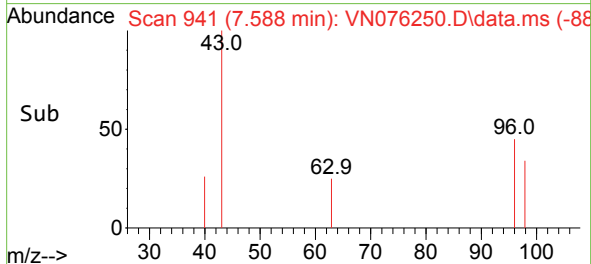
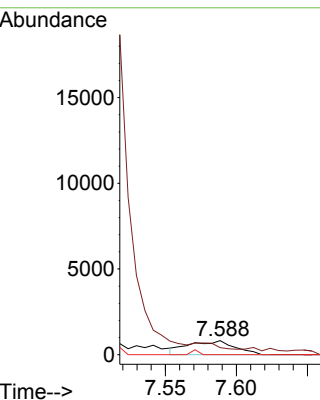
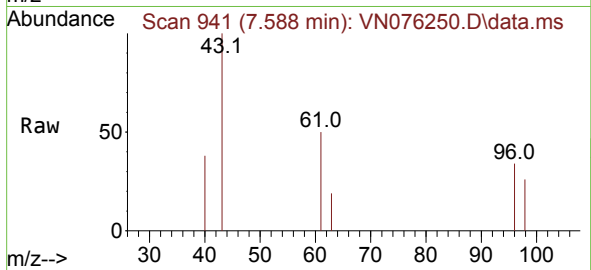
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1827

Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.4#
70	5.6	9.4	14.0#



#38

Carbon Tetrachloride

Concen: 6.775 ug/l

RT: 8.230 min Scan# 1050

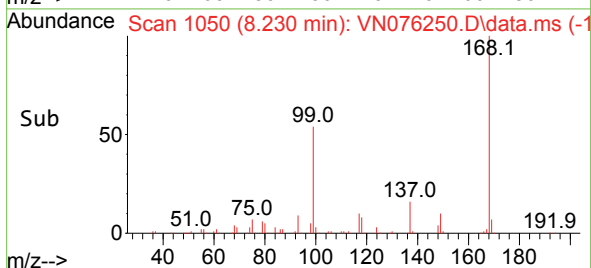
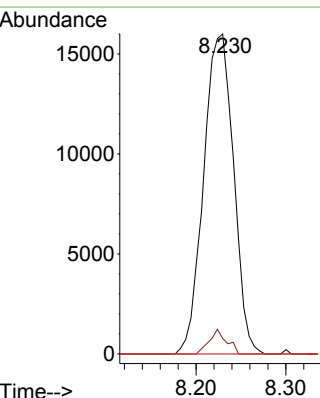
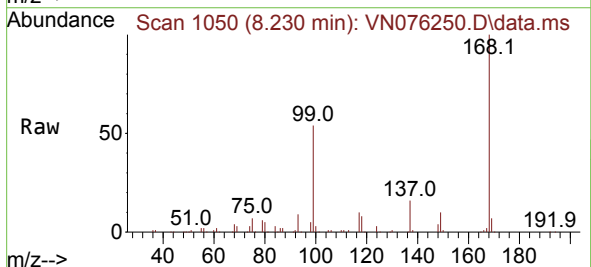
Delta R.T. -0.135 min

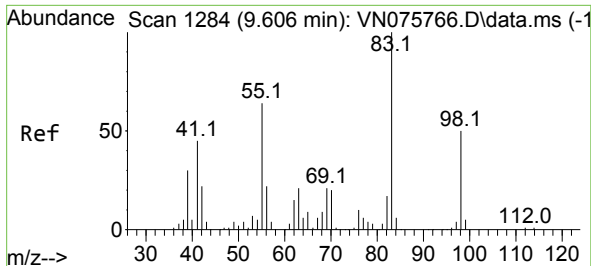
Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

Tgt Ion: 117 Resp: 37044

Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.1	114.1#
121	0.0	24.5	36.7#

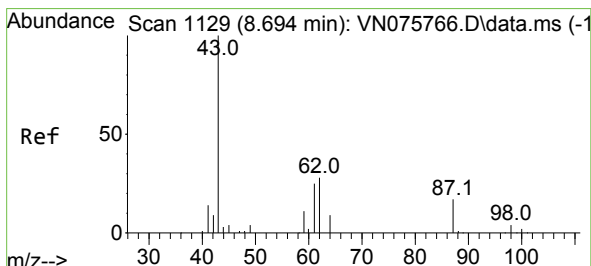
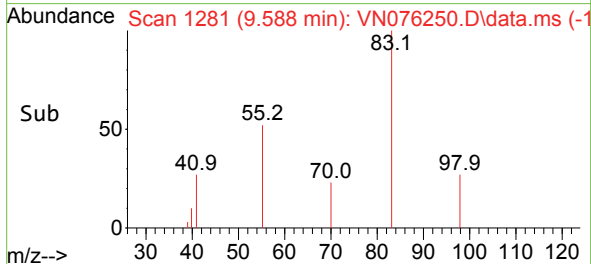
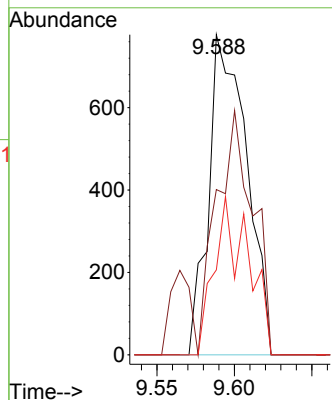
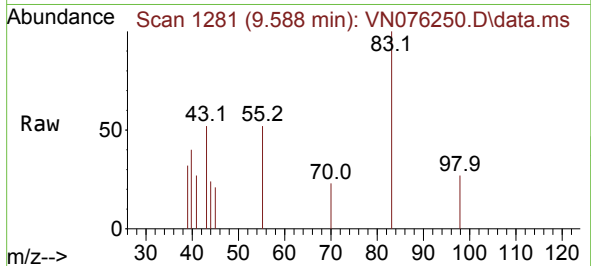




#39
Methylcyclohexane
Concen: 0.225 ug/l
RT: 9.588 min Scan# 1130
Delta R.T. -0.018 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

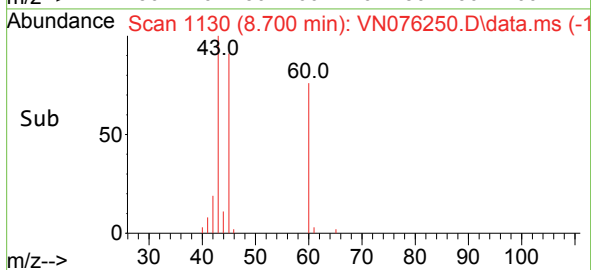
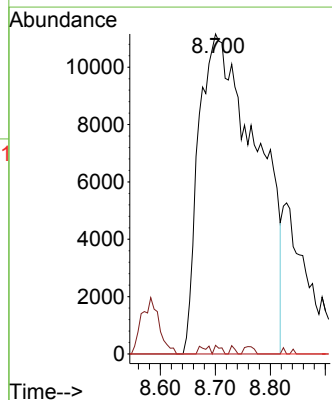
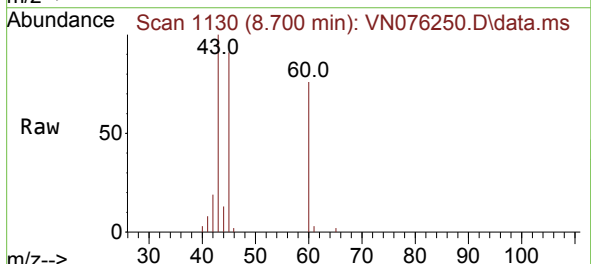
Instrument :
MSVOA_N
ClientSampleId :

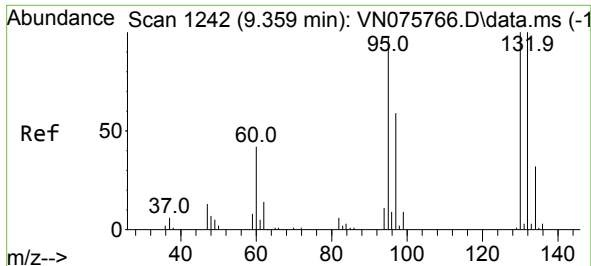
Tgt Ion: 83 Resp: 1324
Ion Ratio Lower Upper
83 100
55 51.6 51.4 77.0
98 26.5 39.8 59.8#



#43
Isopropyl Acetate
Concen: 12.604 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Tgt Ion: 43 Resp: 81588
Ion Ratio Lower Upper
43 100
61 0.3 24.2 36.4#
87 0.0 13.3 19.9#

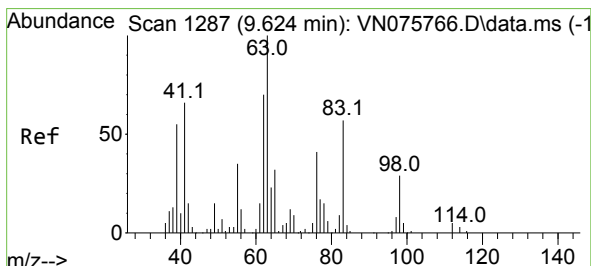
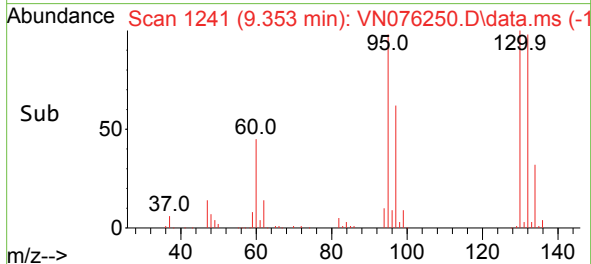
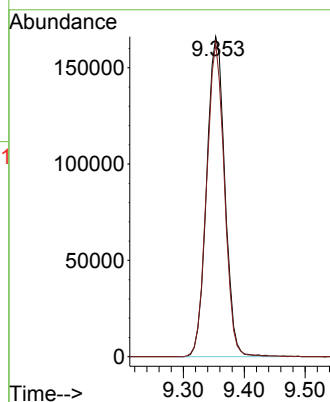
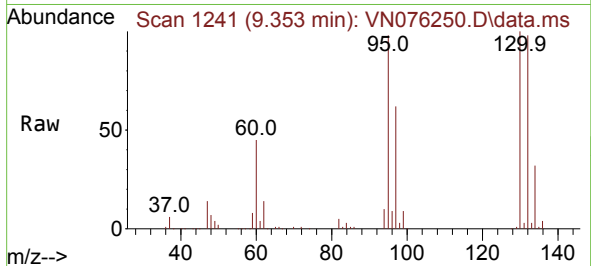




#44
Trichloroethene
Concen: 80.965 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

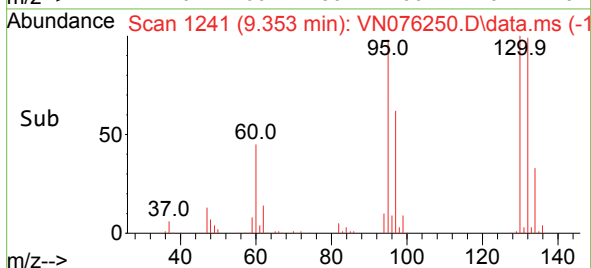
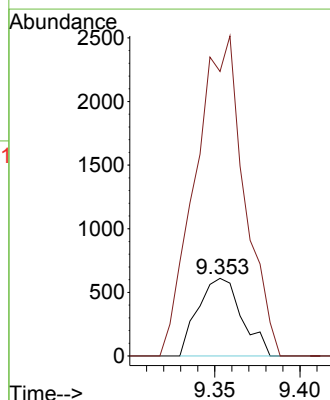
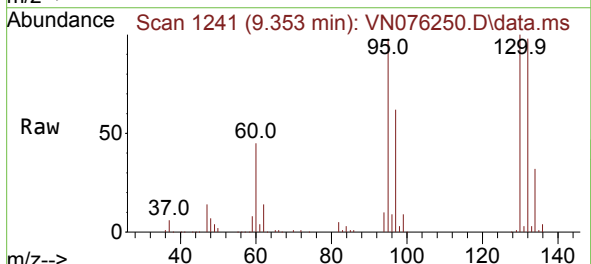
Instrument :
MSVOA_N
ClientSampleId :

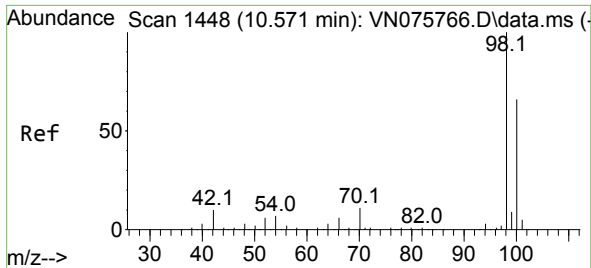
Tgt Ion:130 Resp: 343799
Ion Ratio Lower Upper
130 100
95 98.0 0.0 195.4



#45
1,2-Dichloropropane
Concen: 0.297 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.271 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Tgt Ion: 63 Resp: 1088
Ion Ratio Lower Upper
63 100
65 366.6 25.7 38.5#

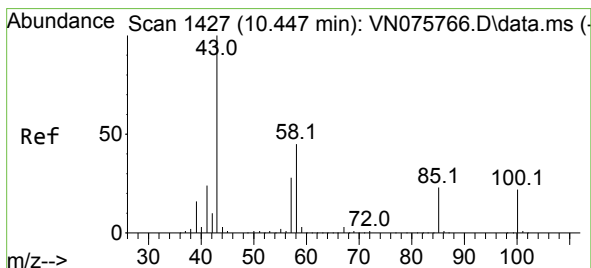
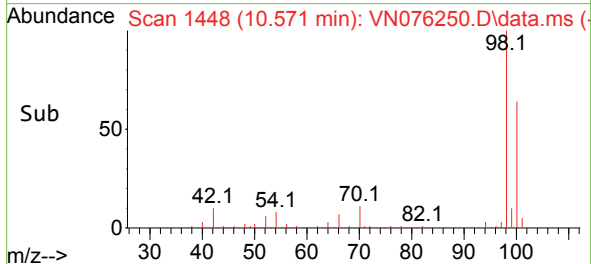
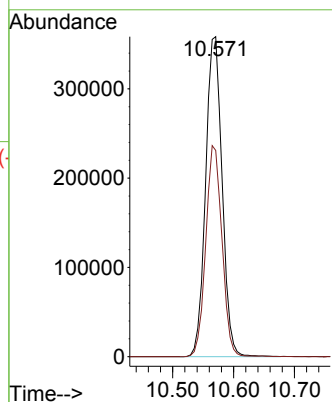
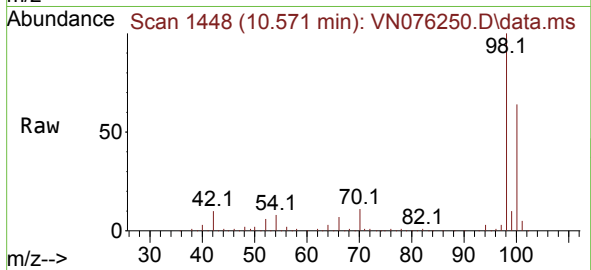




#50
Toluene-d8
Concen: 49.097 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

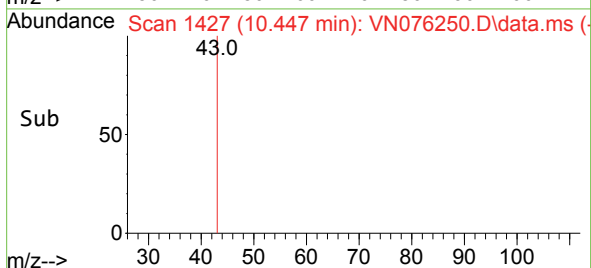
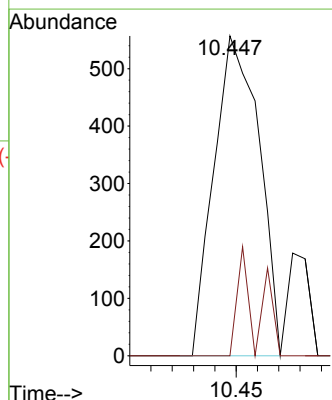
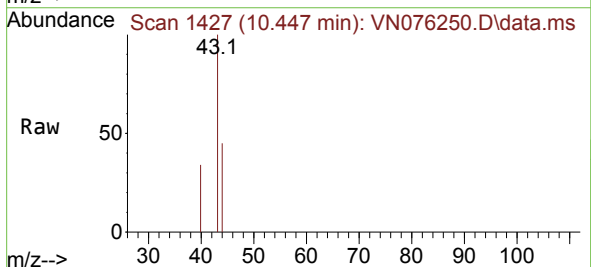
Instrument :
MSVOA_N
ClientSampleId :

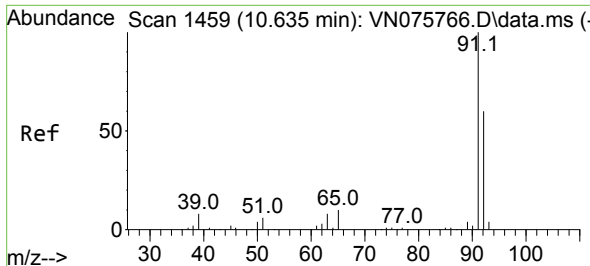
Tgt Ion: 98 Resp: 675084
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

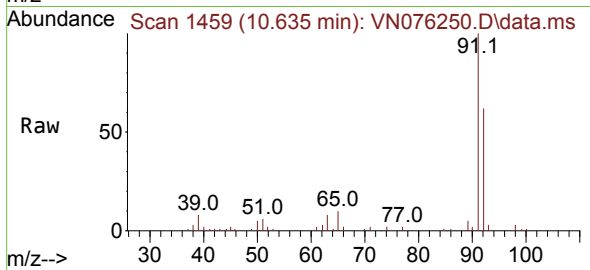
Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
58 0.0 35.5 53.3#



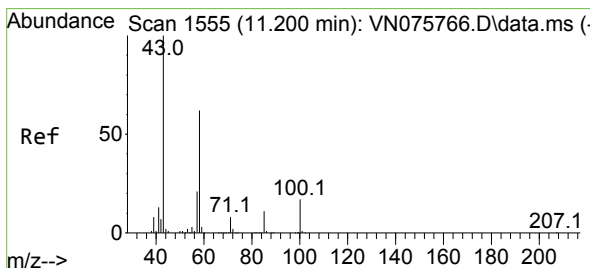
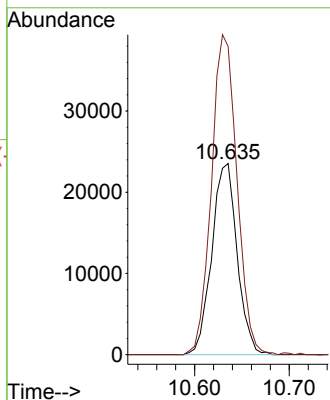
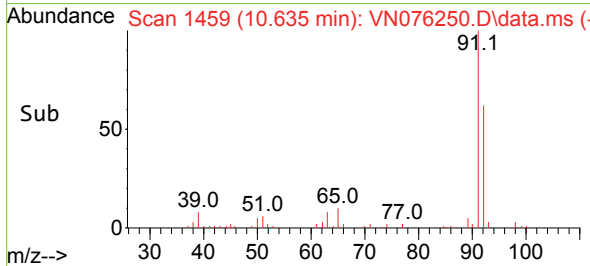


#52
Toluene
Concen: 4.464 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Instrument :
MSVOA_N
ClientSampleId :

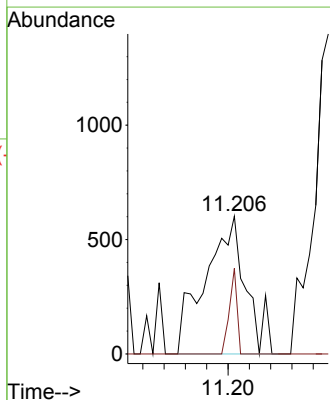
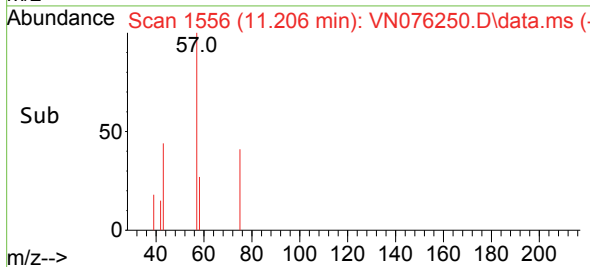
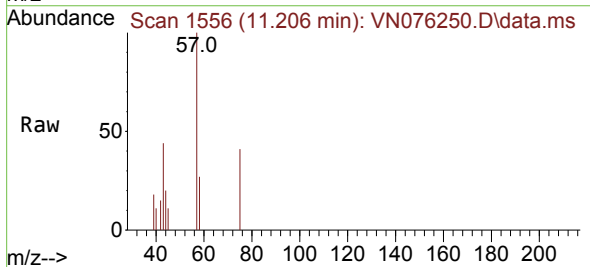


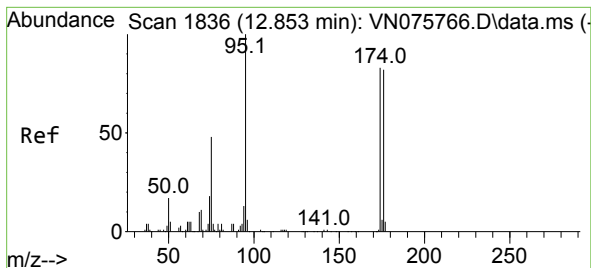
Tgt Ion: 92 Resp: 43818
Ion Ratio Lower Upper
92 100
91 168.6 137.3 205.9



#59
2-Hexanone
Concen: 0.559 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 11.6 30.6 92.0#

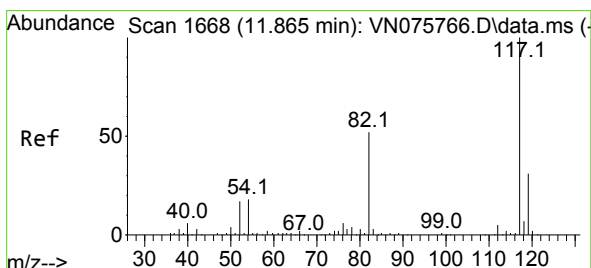
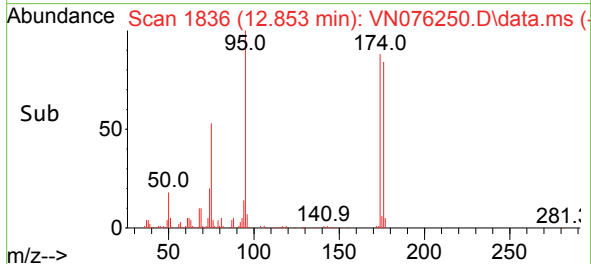
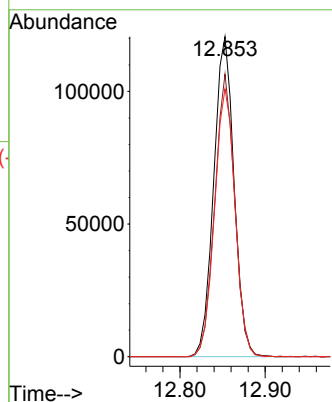
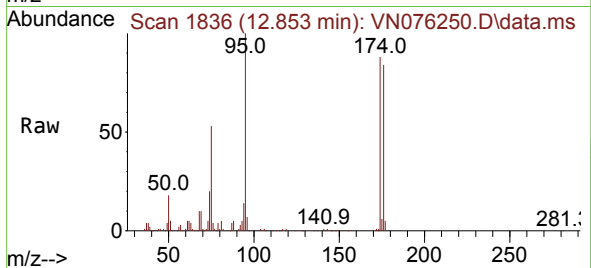




#62
4-Bromofluorobenzene
Concen: 43.862 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

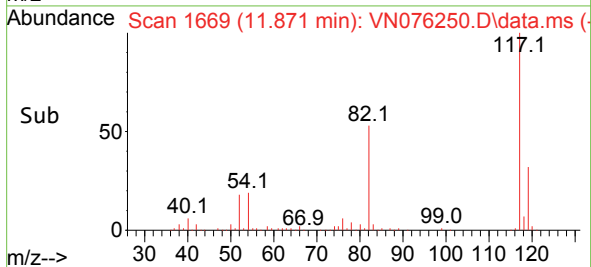
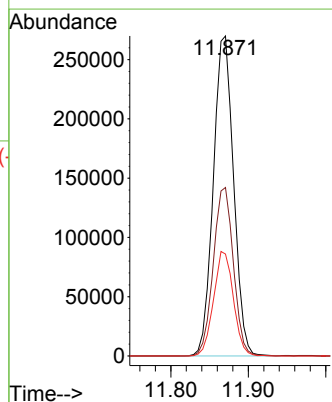
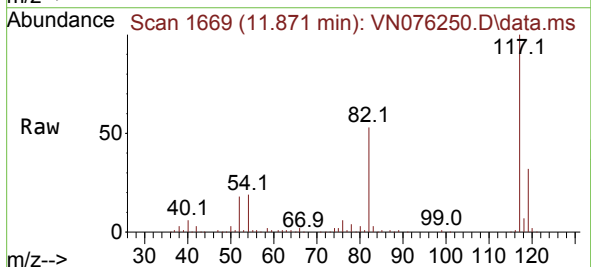
Instrument :
MSVOA_N
ClientSampleId :

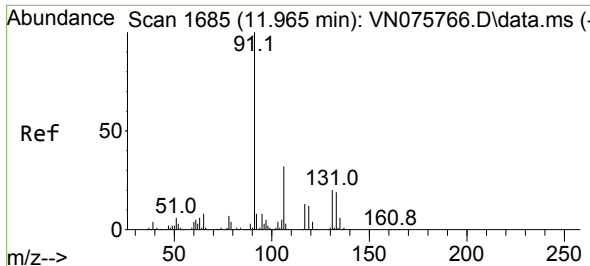
Tgt Ion: 95 Resp: 199753
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 84.5 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

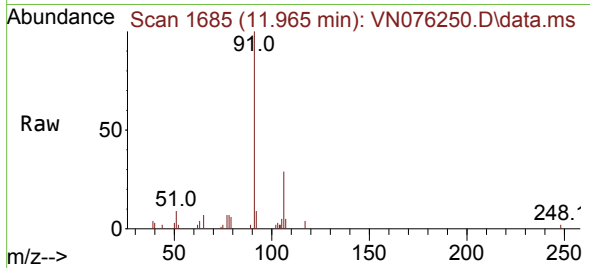
Tgt Ion: 117 Resp: 490627
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 31.9 24.6 37.0



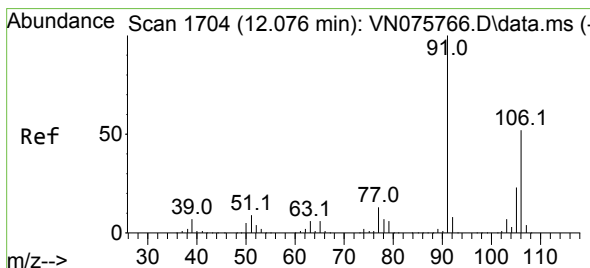
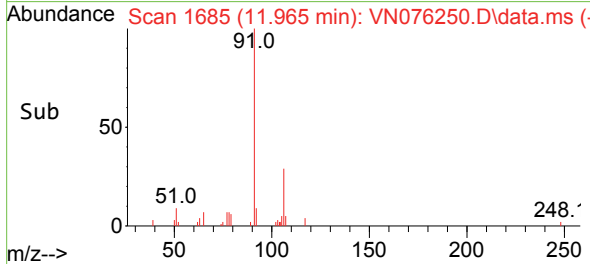
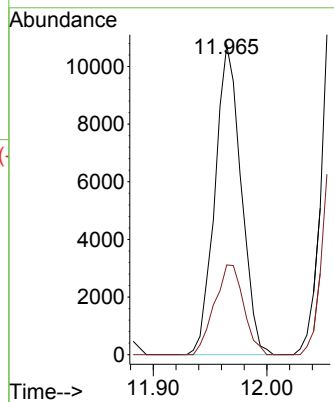


#67
Ethyl Benzene
Concen: 1.013 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Instrument :
MSVOA_N
ClientSampleId :

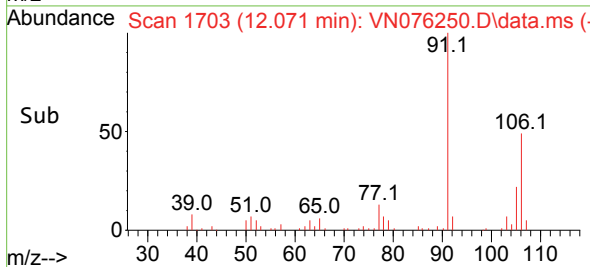
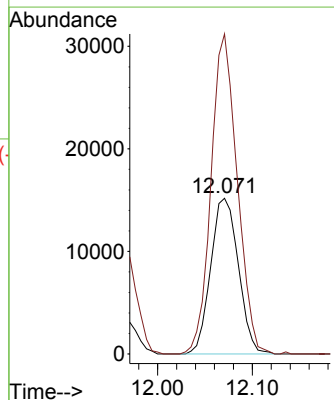
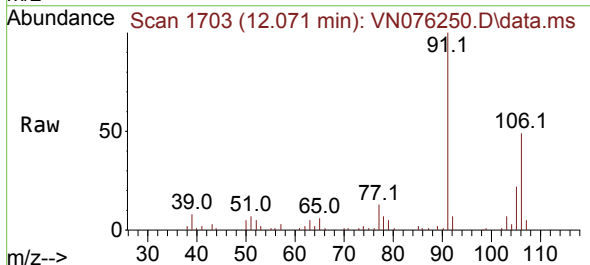


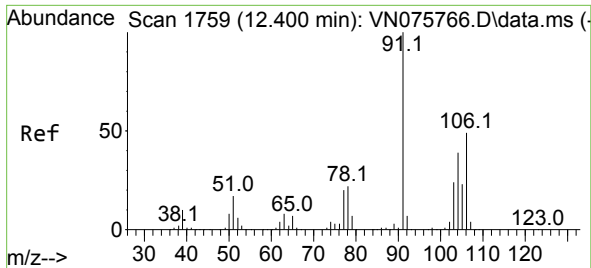
Tgt Ion: 91 Resp: 17222
Ion Ratio Lower Upper
91 100
106 29.0 25.7 38.5



#68
m/p-Xylenes
Concen: 4.586 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Tgt Ion: 106 Resp: 30851
Ion Ratio Lower Upper
106 100
91 194.4 156.6 235.0

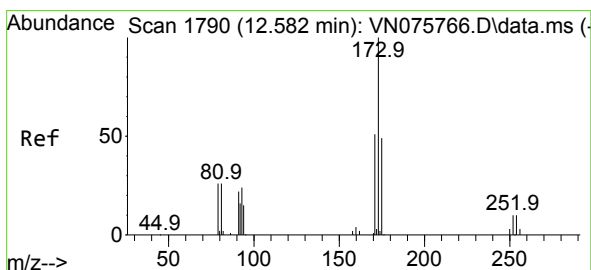
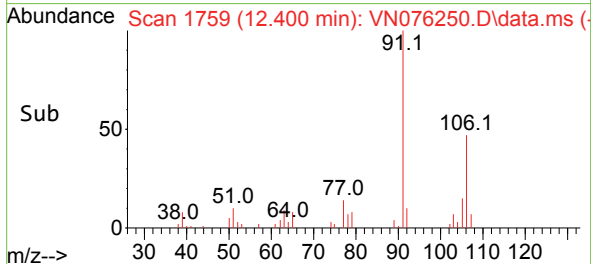
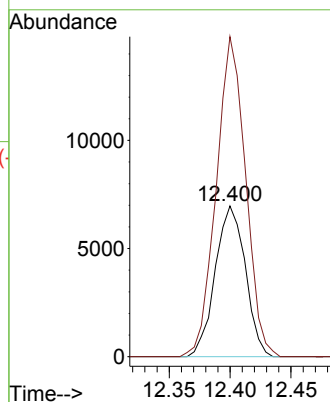
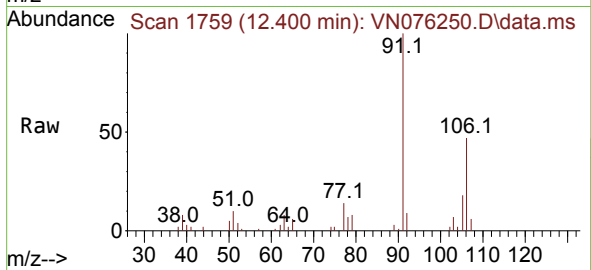




#69
o-Xylene
Concen: 1.800 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

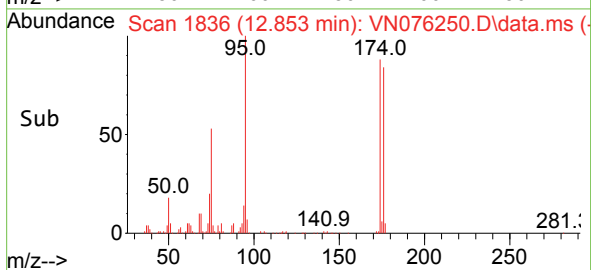
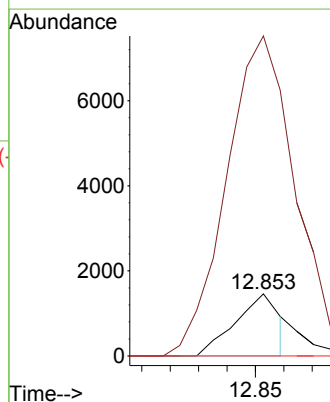
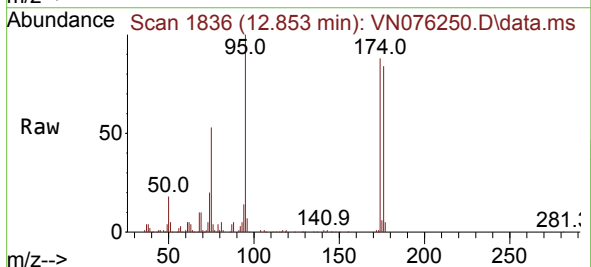
Instrument :
MSVOA_N
ClientSampleId :

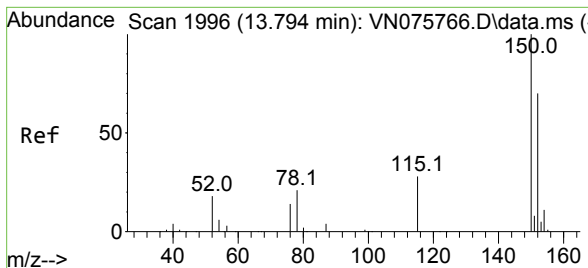
Tgt Ion:106 Resp: 11984
Ion Ratio Lower Upper
106 100
91 207.1 103.8 311.6



#71
Bromoform
Concen: 0.582 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

Tgt Ion:173 Resp: 1580
Ion Ratio Lower Upper
173 100
175 646.0 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076250.D

Acq: 13 Jan 2023 15:51

Instrument :

MSVOA_N

ClientSampleId :

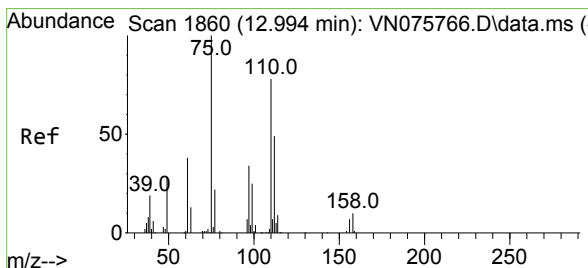
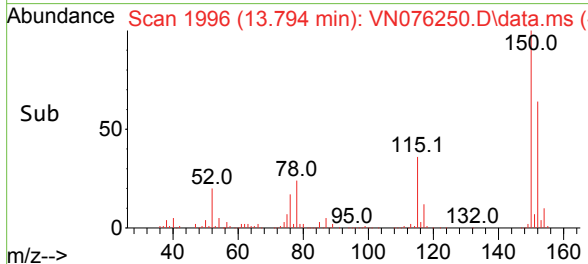
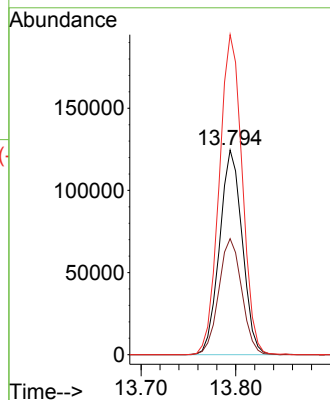
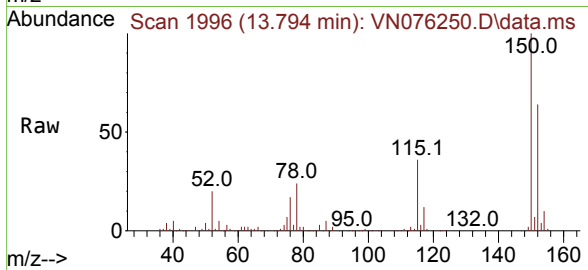
Tgt Ion:152 Resp: 207544

Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.4

150 158.5 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 25.179 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076250.D

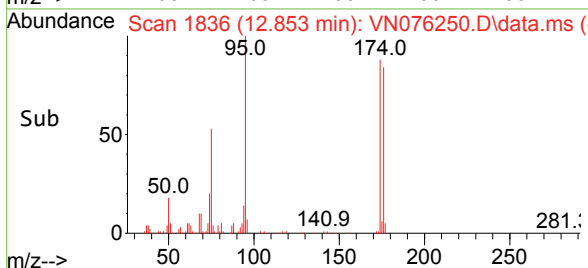
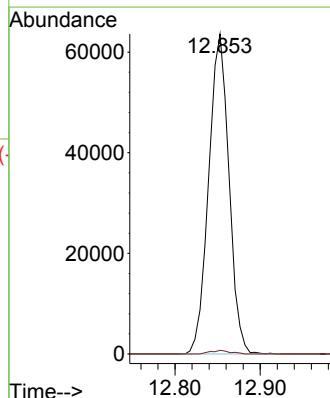
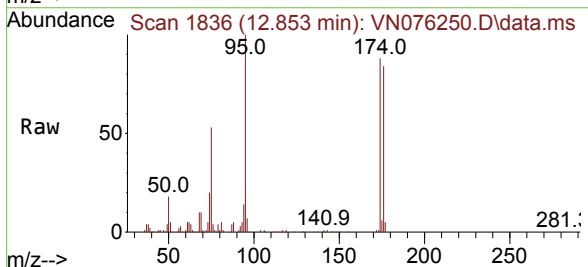
Acq: 13 Jan 2023 15:51

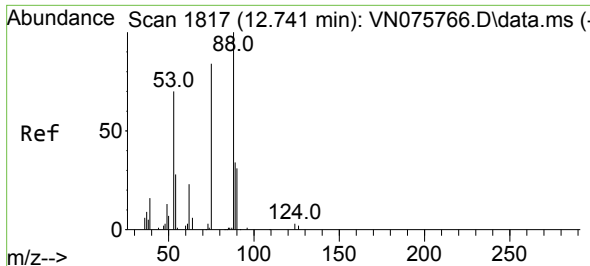
Tgt Ion: 75 Resp: 105339

Ion Ratio Lower Upper

75 100

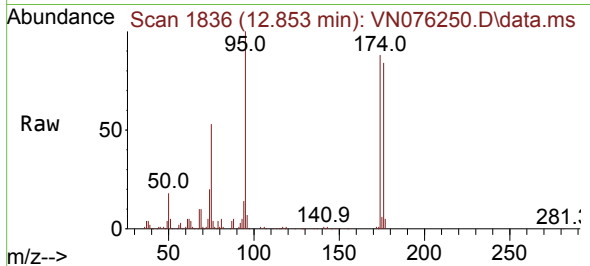
77 1.1 82.6 247.8#



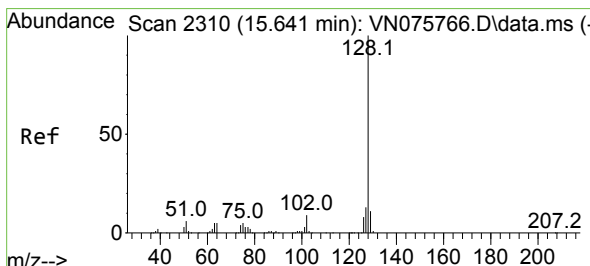
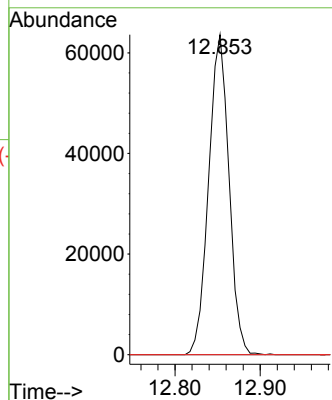
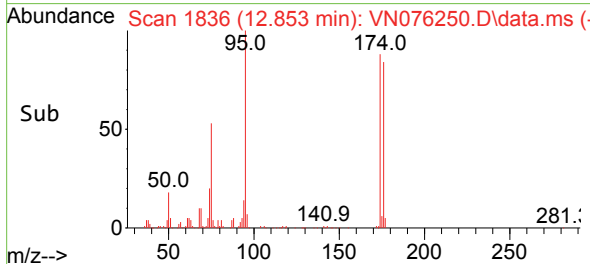


#81
trans-1,4-Dichloro-2-butene
Concen: 90.632 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51

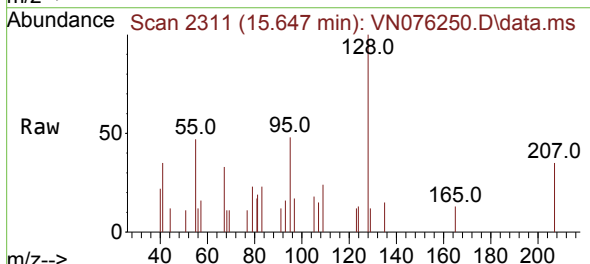
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 105339
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.409 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076250.D
Acq: 13 Jan 2023 15:51



Tgt Ion:128 Resp: 2729
Ion Ratio Lower Upper
128 100
127 7.4 10.4 15.6#
129 6.2 8.7 13.1#

