

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076666.D
 Acq On : 14 Feb 2023 17:24
 Operator : JC\MD
 Sample : 01549-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1929

Quant Time: Feb 15 03:16:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	337403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	608189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	559202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	246145	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	229267	49.209	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.420%
35) Dibromofluoromethane	8.178	113	180714	45.372	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.740%
50) Toluene-d8	10.572	98	749406	50.382	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.760%
62) 4-Bromofluorobenzene	12.848	95	251725	51.097	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.200%

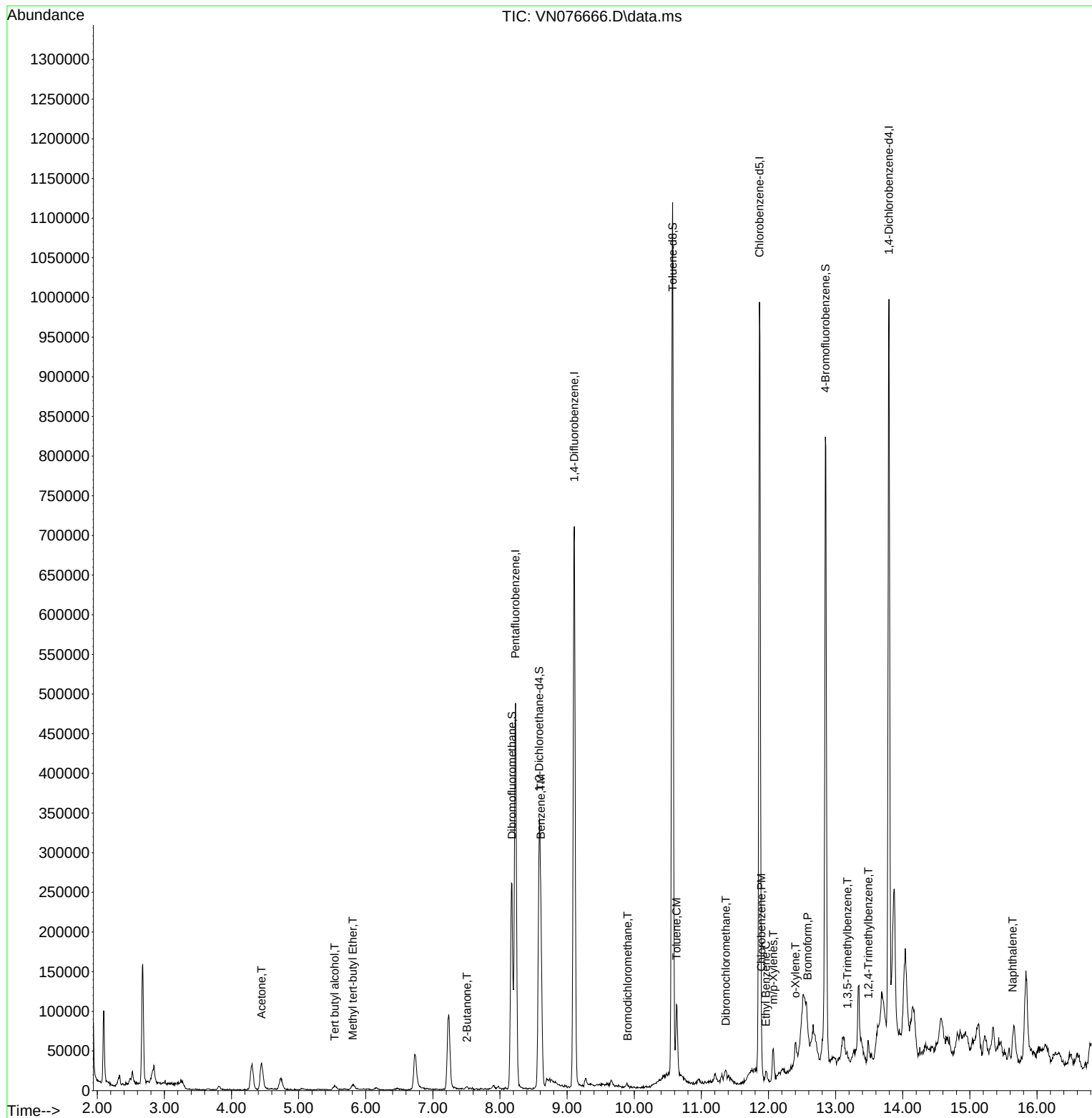
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.537	59	8205	13.342	ug/l	# 86
16) Acetone	4.449	43	65252	31.354	ug/l	100
19) Methyl tert-butyl Ether	5.807	73	8465	0.721	ug/l	98
25) 2-Butanone	7.507	43	4272	1.392	ug/l	91
40) Benzene	8.607	78	159961	9.052	ug/l	98
47) Bromodichloromethane	9.901	83	3768	0.628	ug/l	# 74
52) Toluene	10.631	92	37572	3.521	ug/l	99
60) Dibromochloromethane	11.366	129	6504	1.422	ug/l	92
65) Chlorobenzene	11.895	112	7668	0.647	ug/l	# 76
67) Ethyl Benzene	11.960	91	9518	0.471	ug/l	# 82
68) m/p-Xylenes	12.072	106	14312	1.839	ug/l	98
69) o-Xylene	12.401	106	8127	1.071	ug/l	94
71) Bromoform	12.583	173	4346	1.376	ug/l	# 98
80) 1,3,5-Trimethylbenzene	13.177	105	5641	0.378	ug/l	95
84) 1,2,4-Trimethylbenzene	13.489	105	16835	1.133	ug/l	86
95) Naphthalene	15.636	128	15145	1.147	ug/l	# 74

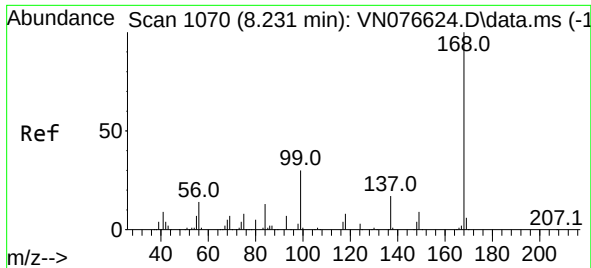
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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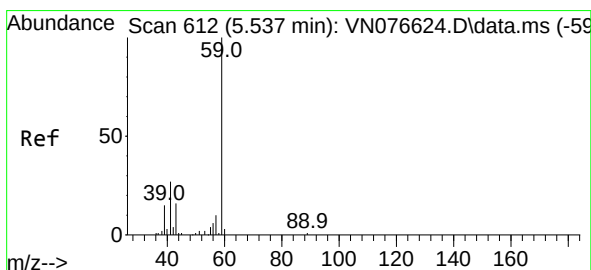
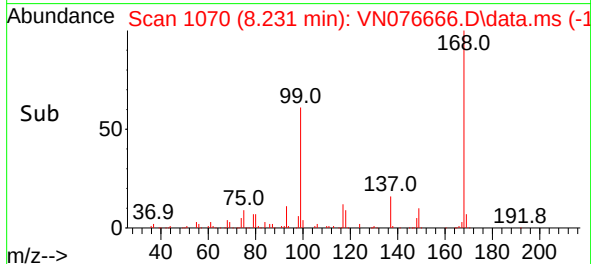
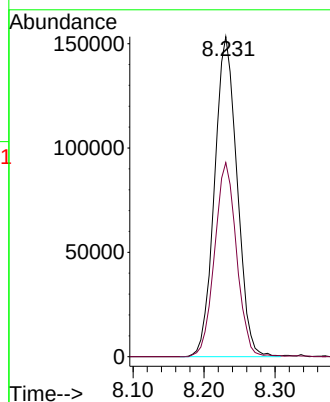
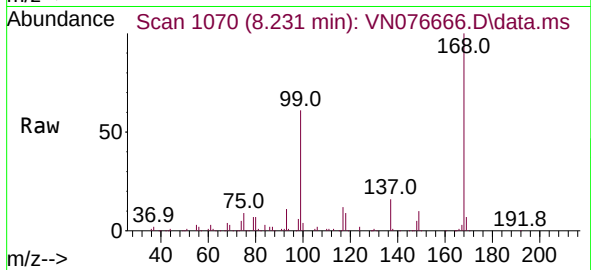




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

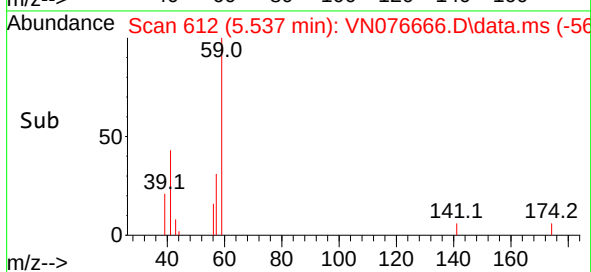
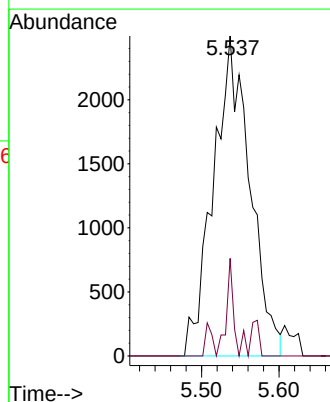
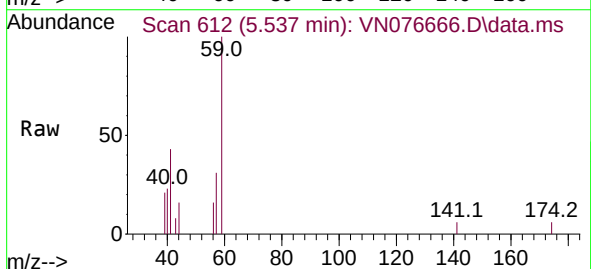
Instrument :
MSVOA_N
ClientSampleId :
1929

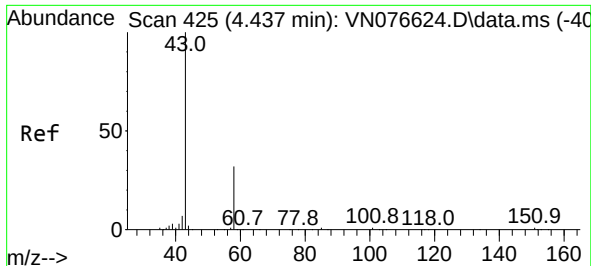
Tgt Ion:168 Resp: 337403
Ion Ratio Lower Upper
168 100
99 60.6 44.8 67.2



#11
Tert butyl alcohol
Concen: 13.342 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion: 59 Resp: 8205
Ion Ratio Lower Upper
59 100
57 5.6 8.7 13.1#

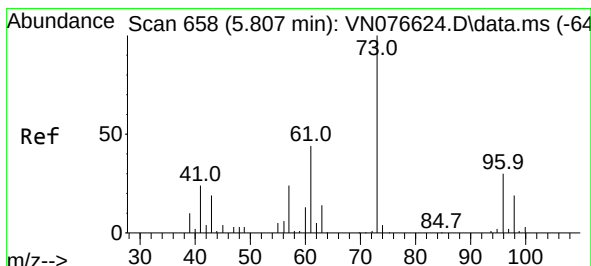
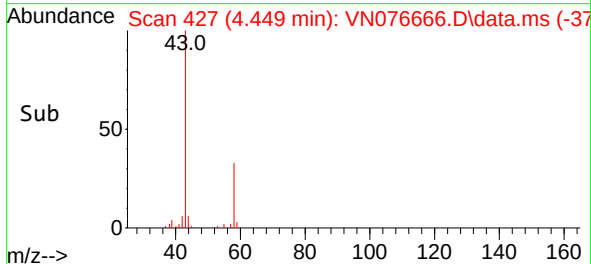
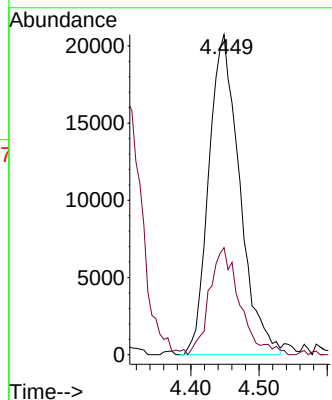
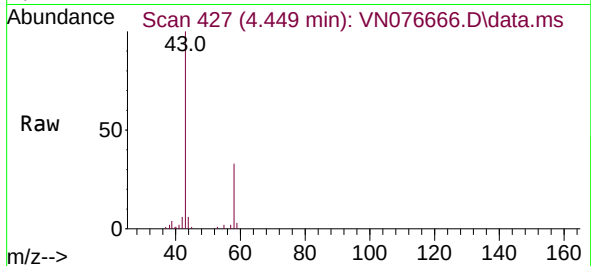




#16
Acetone
Concen: 31.354 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

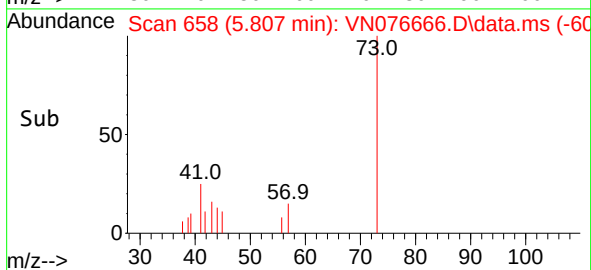
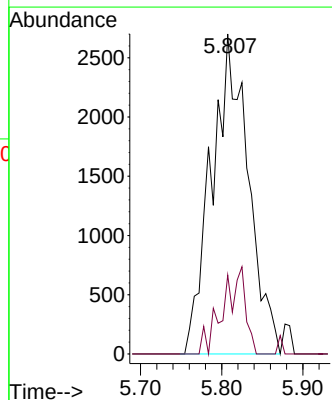
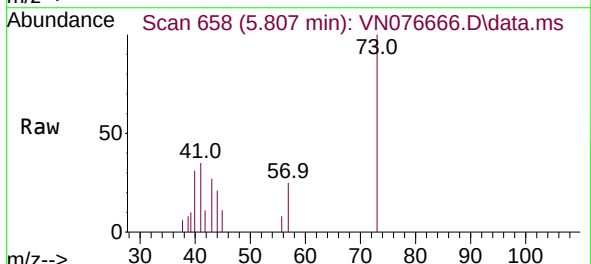
Instrument :
MSVOA_N
ClientSampleId :
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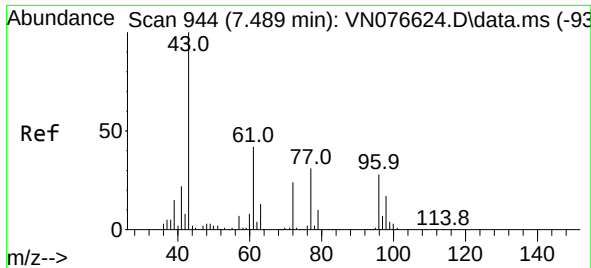
Tgt Ion: 43 Resp: 65252
Ion Ratio Lower Upper
43 100
58 32.3 25.9 38.9



#19
Methyl tert-butyl Ether
Concen: 0.721 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion: 73 Resp: 8465
Ion Ratio Lower Upper
73 100
57 24.7 19.0 28.4

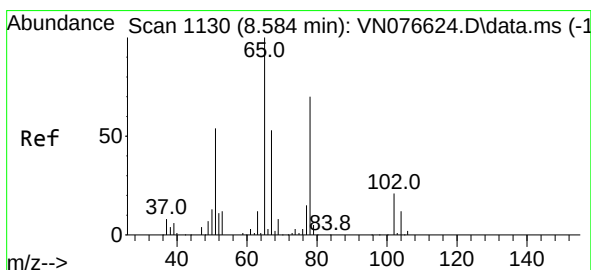
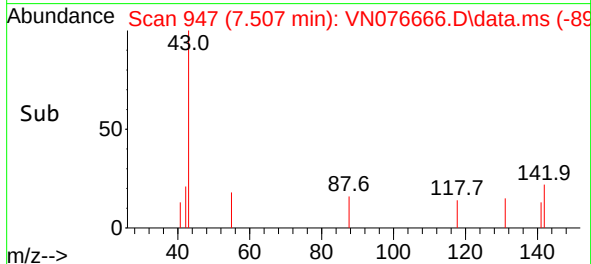
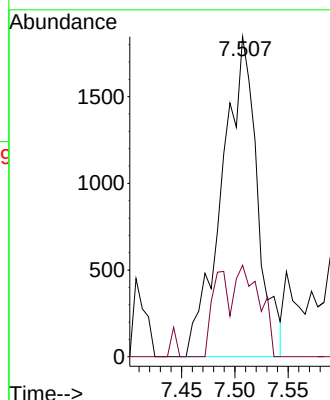
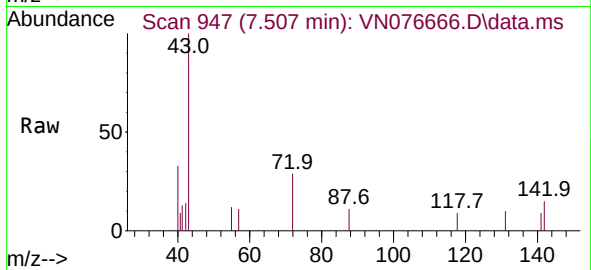




#25
2-Butanone
Concen: 1.392 ug/l
RT: 7.507 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

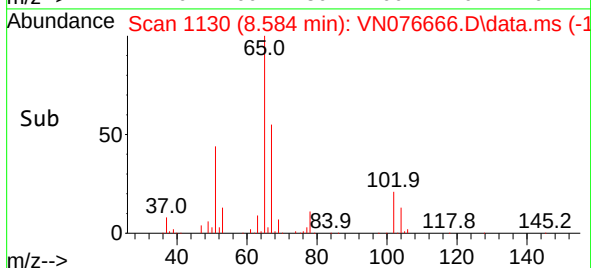
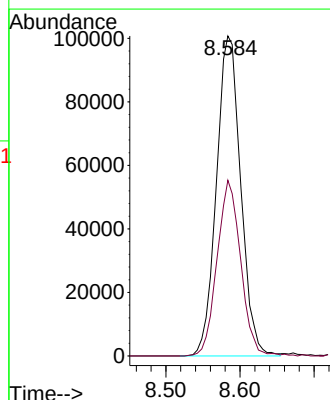
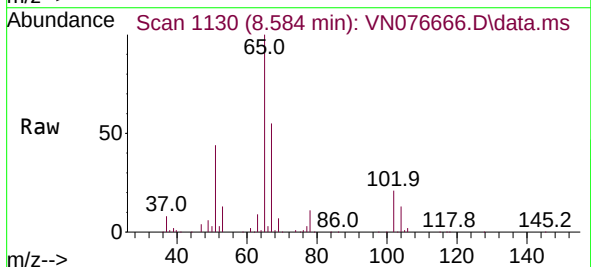
Instrument :
MSVOA_N
ClientSampleId :
1929

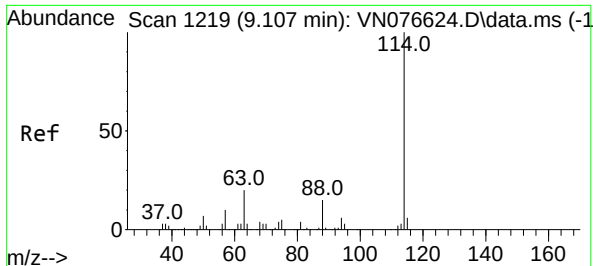
Tgt Ion: 43 Resp: 4272
Ion Ratio Lower Upper
43 100
72 28.6 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 49.209 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion: 65 Resp: 229267
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN076666.D

Acq: 14 Feb 2023 17:24

Instrument :

MSVOA_N

ClientSampleId :

1929

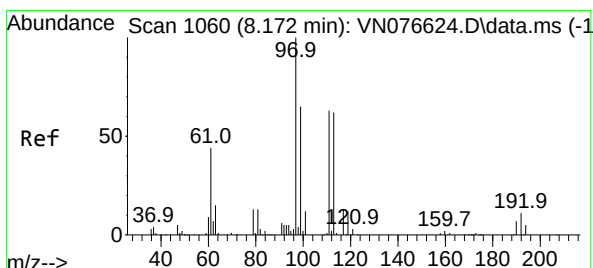
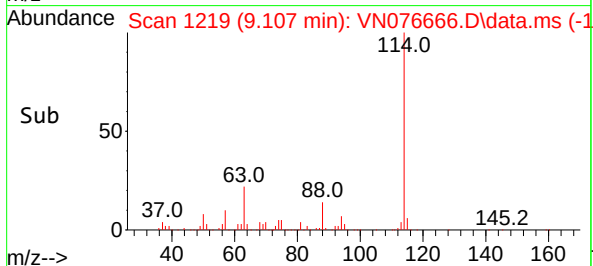
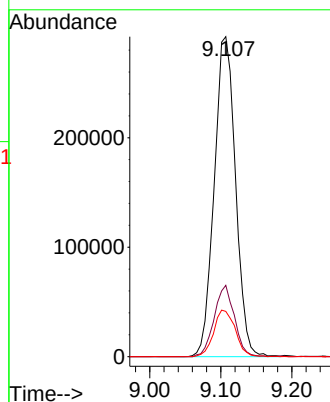
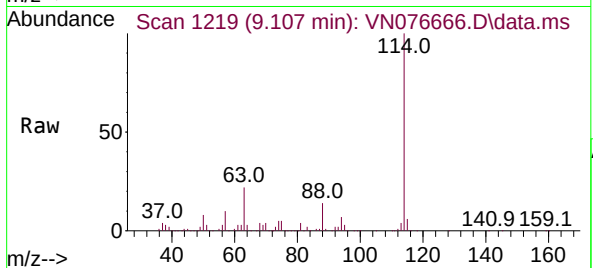
Tgt Ion:114 Resp: 608189

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

88 14.2 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.372 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076666.D

Acq: 14 Feb 2023 17:24

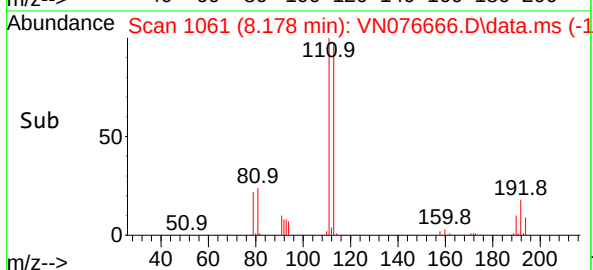
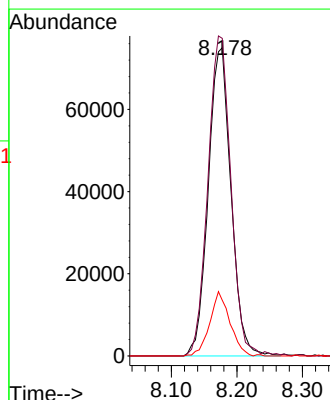
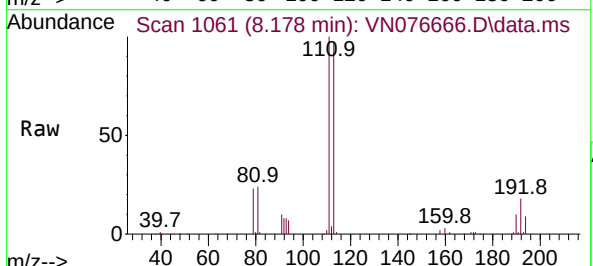
Tgt Ion:113 Resp: 180714

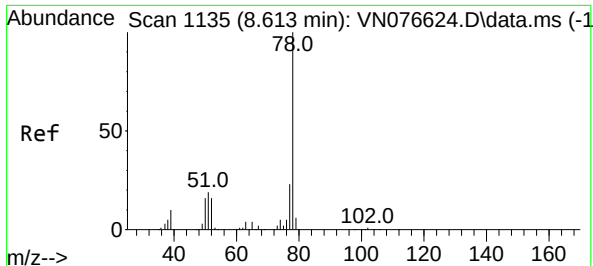
Ion Ratio Lower Upper

113 100

111 105.0 83.1 124.7

192 18.5 15.6 23.4





#40

Benzene

Concen: 9.052 ug/l

RT: 8.607 min Scan# 1135

Delta R.T. -0.006 min

Lab File: VN076666.D

Acq: 14 Feb 2023 17:24

Instrument :

MSVOA_N

ClientSampleId :

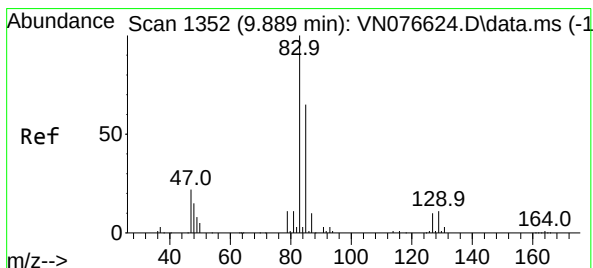
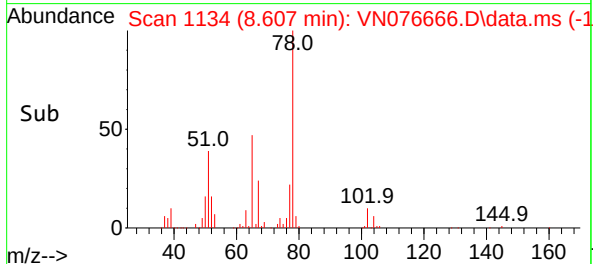
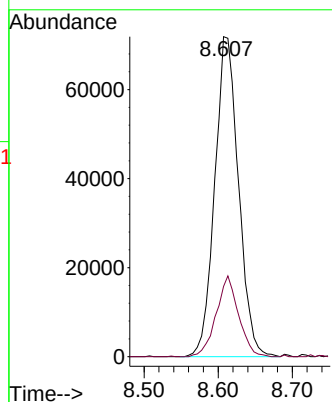
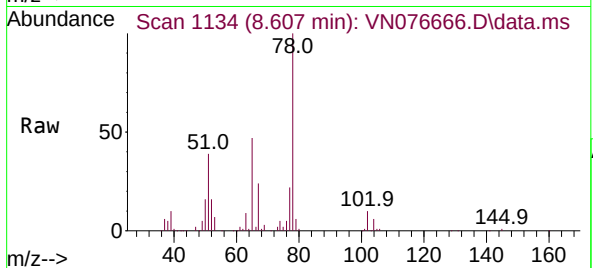
1929

Tgt Ion: 78 Resp: 159961

Ion Ratio Lower Upper

78 100

77 22.0 18.2 27.4



#47

Bromodichloromethane

Concen: 0.628 ug/l

RT: 9.901 min Scan# 1354

Delta R.T. 0.012 min

Lab File: VN076666.D

Acq: 14 Feb 2023 17:24

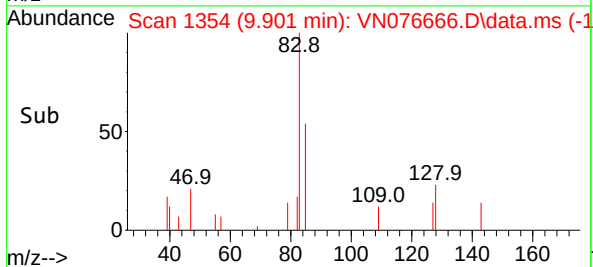
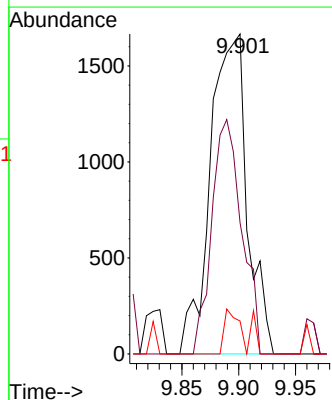
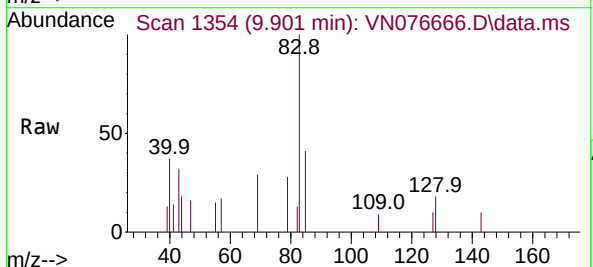
Tgt Ion: 83 Resp: 3768

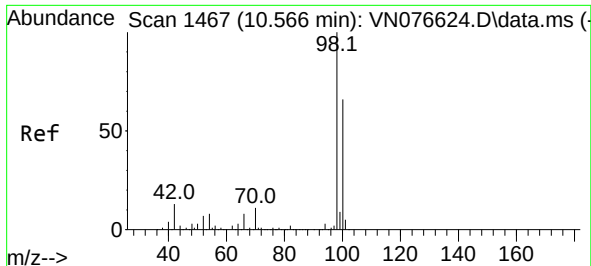
Ion Ratio Lower Upper

83 100

85 41.0 51.8 77.6#

127 10.3 7.9 11.9

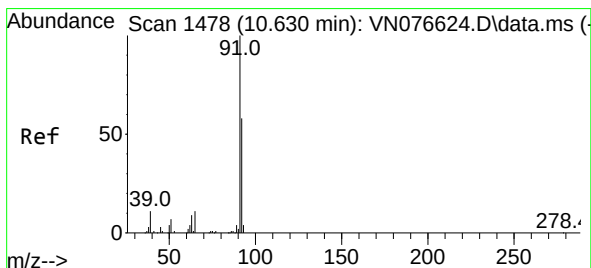
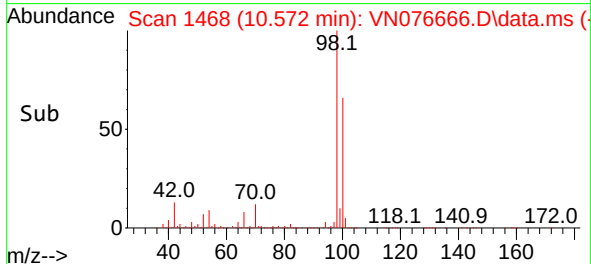
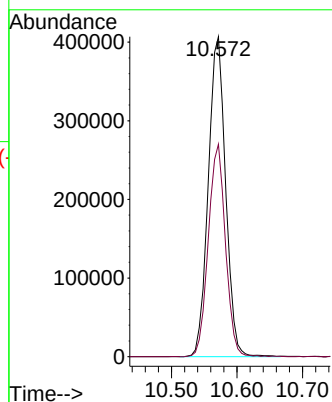
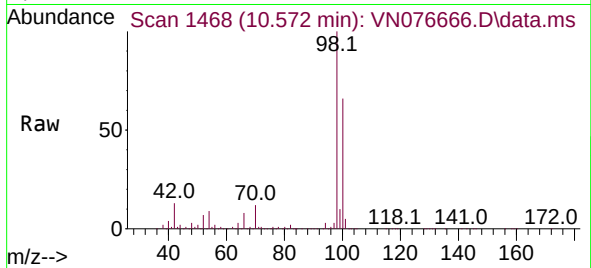




#50
Toluene-d8
Concen: 50.382 ug/l
RT: 10.572 min Scan# 1467
Delta R.T. 0.006 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

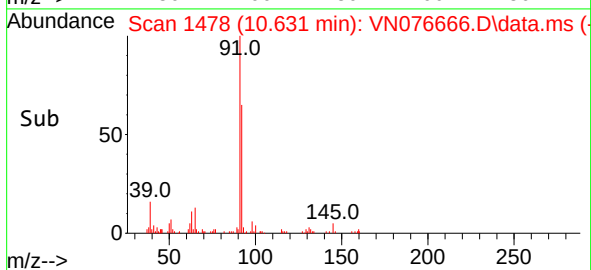
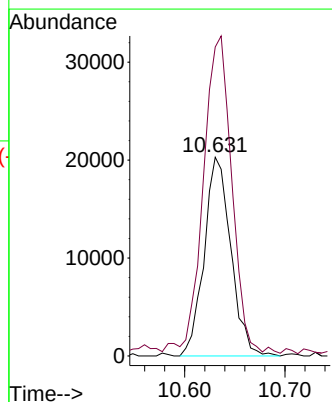
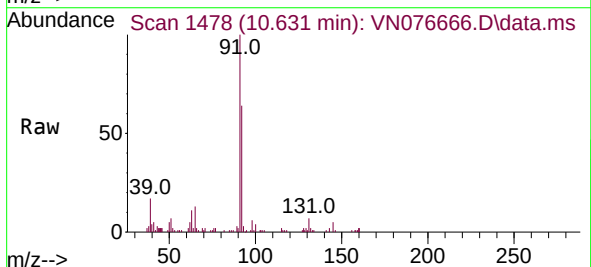
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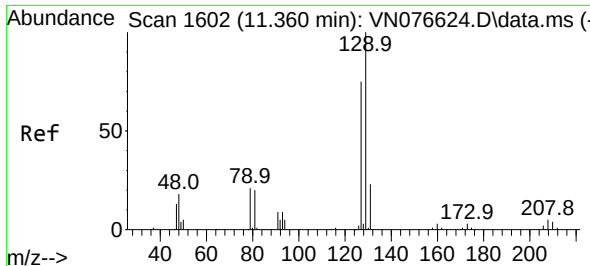
Tgt Ion: 98 Resp: 749406
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#52
Toluene
Concen: 3.521 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.001 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion: 92 Resp: 37572
Ion Ratio Lower Upper
92 100
91 170.6 138.0 207.0

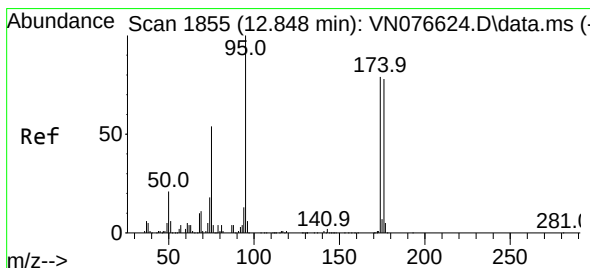
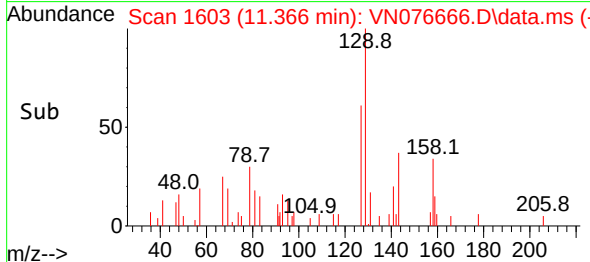
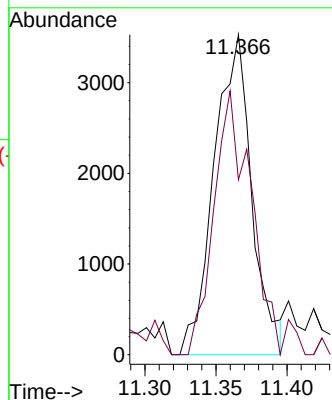
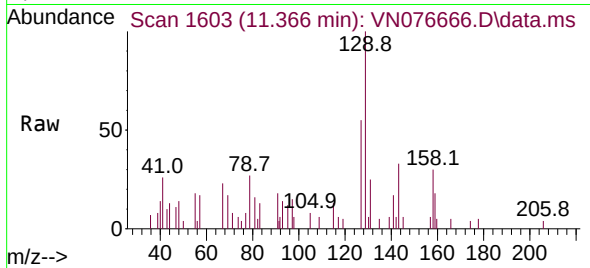




#60
Dibromochloromethane
Concen: 1.422 ug/l
RT: 11.366 min Scan# 11929
Delta R.T. 0.006 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

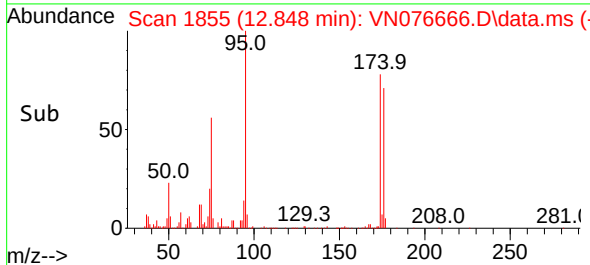
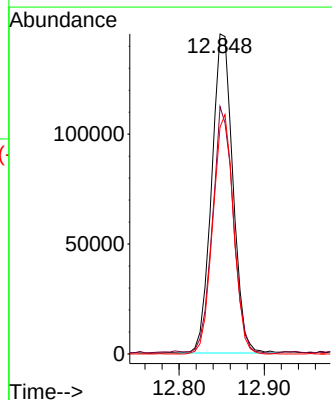
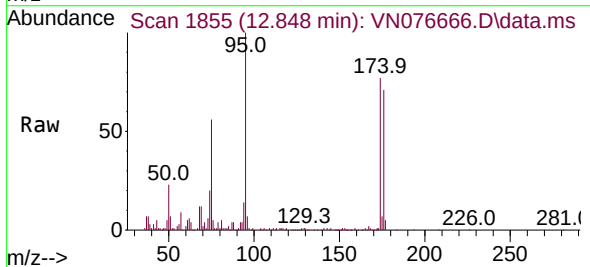
Instrument :
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ClientSampleId :
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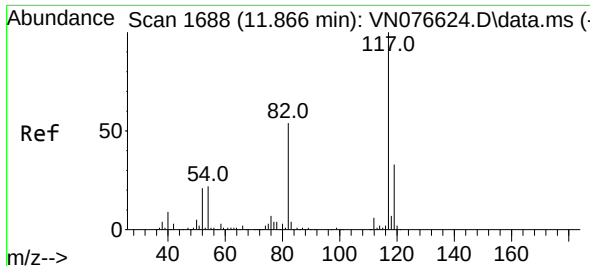
Tgt Ion:129 Resp: 6504
Ion Ratio Lower Upper
129 100
127 84.1 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 51.097 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion: 95 Resp: 251725
Ion Ratio Lower Upper
95 100
174 75.9 0.0 169.2
176 73.4 0.0 163.4

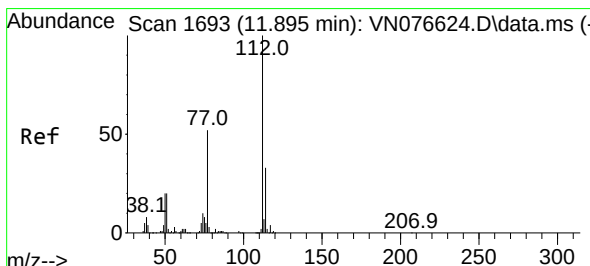
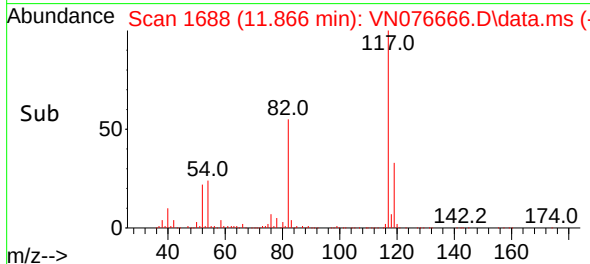
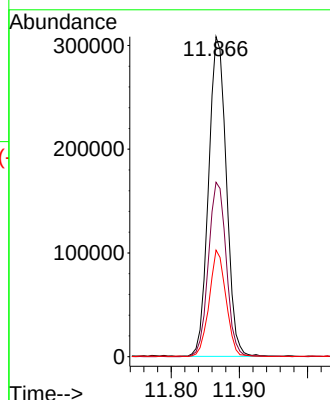
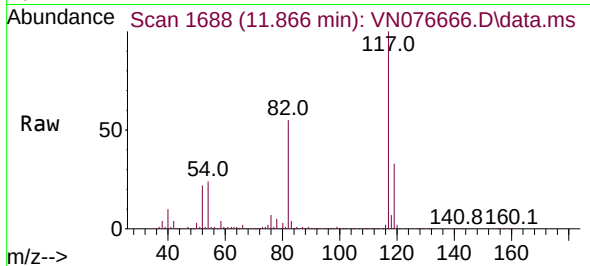




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11929
Delta R.T. -0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

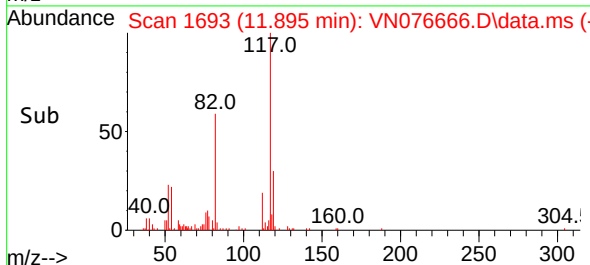
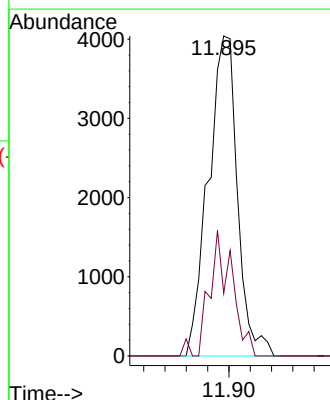
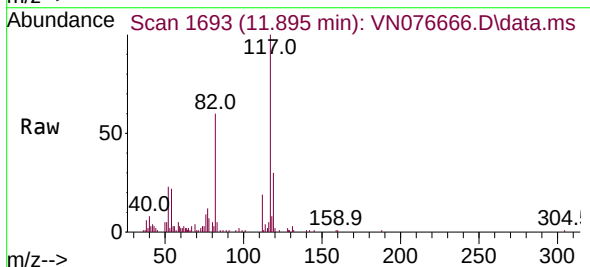
Instrument :
MSVOA_N
ClientSampleId :
1929

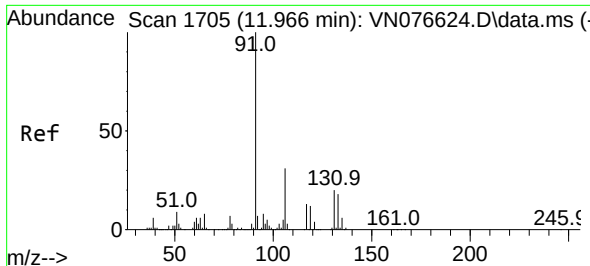
Tgt Ion:117 Resp: 559202
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.2
119 33.2 26.1 39.1



#65
Chlorobenzene
Concen: 0.647 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion:112 Resp: 7668
Ion Ratio Lower Upper
112 100
114 19.6 26.4 39.6#

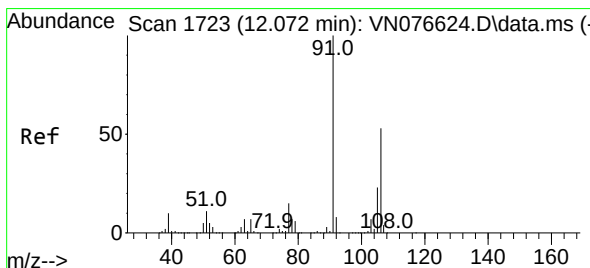
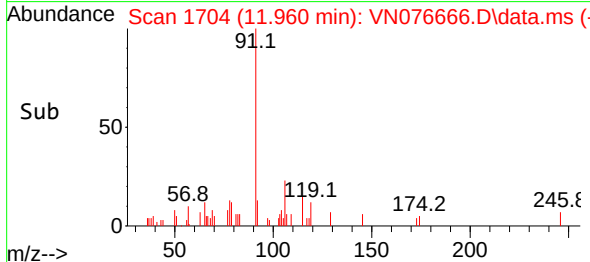
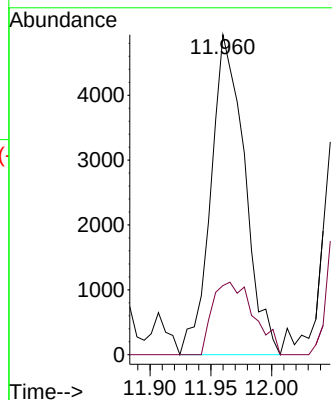
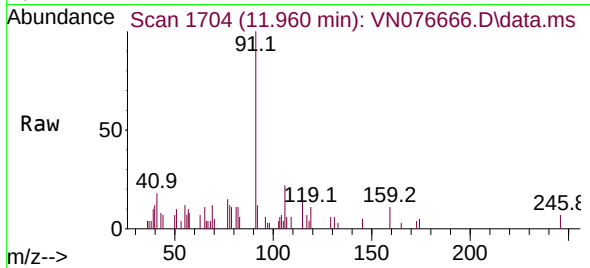




#67
Ethyl Benzene
Concen: 0.471 ug/l
RT: 11.960 min Scan# 11929
Delta R.T. -0.006 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

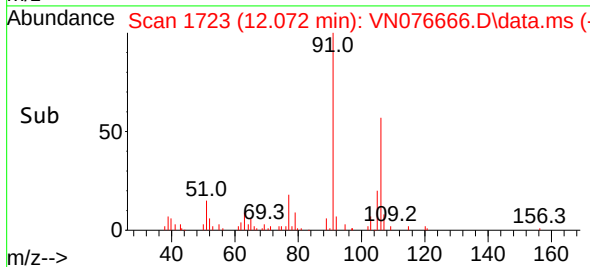
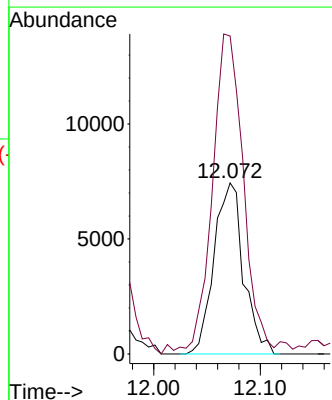
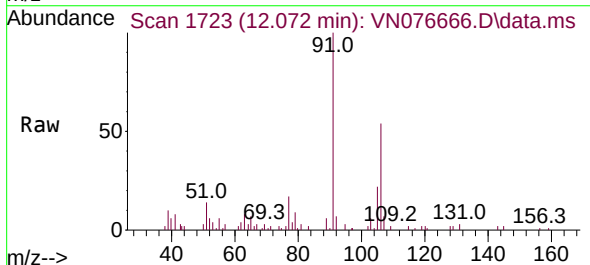
Instrument :
MSVOA_N
ClientSampleId :
1929

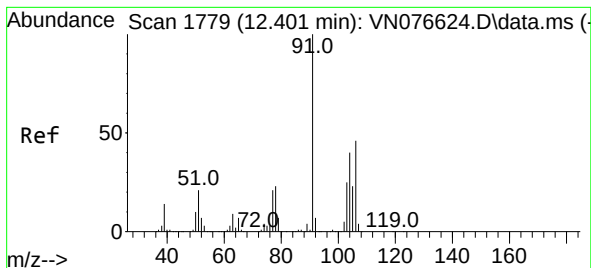
Tgt Ion: 91 Resp: 9518
Ion Ratio Lower Upper
91 100
106 21.6 25.1 37.7#



#68
m/p-Xylenes
Concen: 1.839 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion:106 Resp: 14312
Ion Ratio Lower Upper
106 100
91 190.3 154.7 232.1





#69

o-Xylene

Concen: 1.071 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076666.D

Acq: 14 Feb 2023 17:24

Instrument :

MSVOA_N

ClientSampleId :

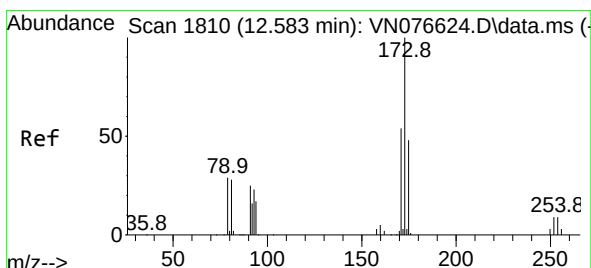
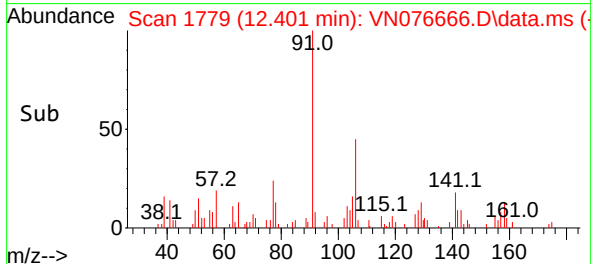
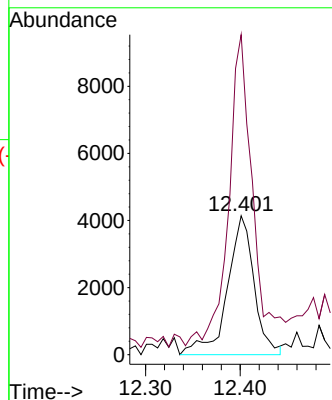
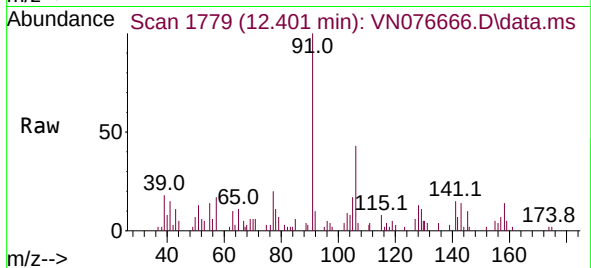
1929

Tgt Ion:106 Resp: 8127

Ion Ratio Lower Upper

106 100

91 201.5 105.8 317.4



#71

Bromoform

Concen: 1.376 ug/l

RT: 12.583 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VN076666.D

Acq: 14 Feb 2023 17:24

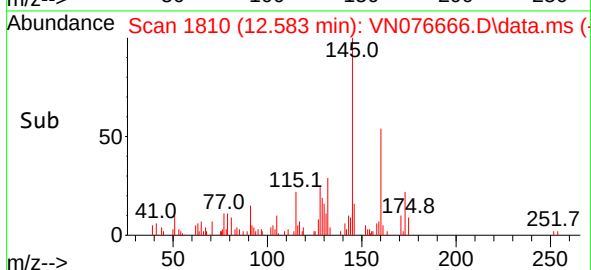
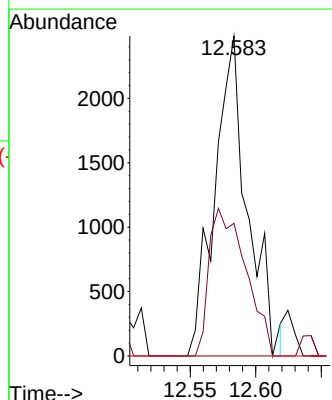
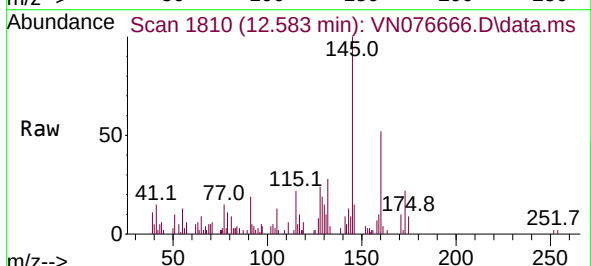
Tgt Ion:173 Resp: 4346

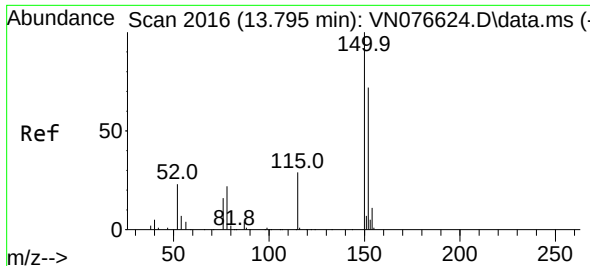
Ion Ratio Lower Upper

173 100

175 51.3 24.9 74.7

254 0.0 0.1 0.1#

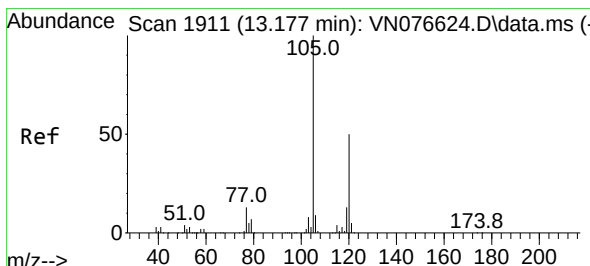
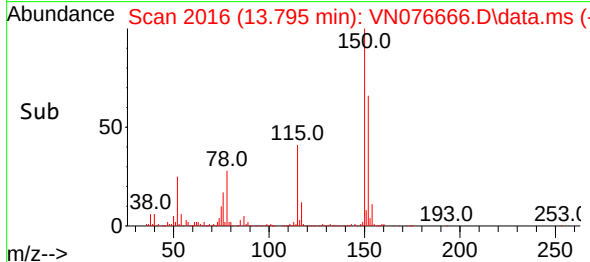
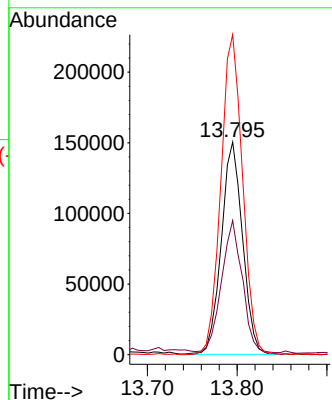
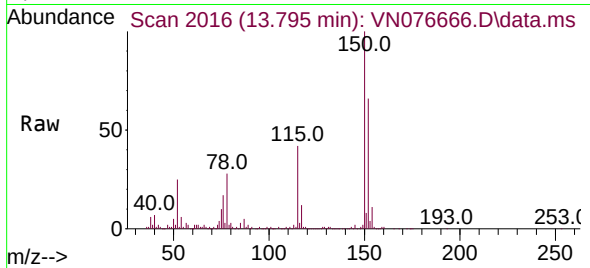




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN076666.D
 Acq: 14 Feb 2023 17:24

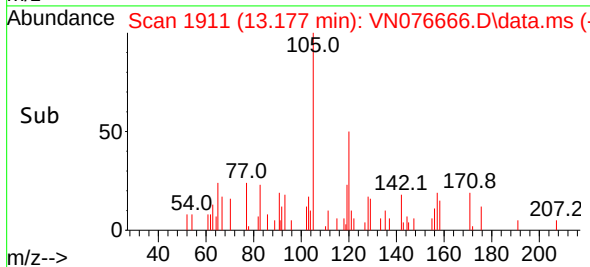
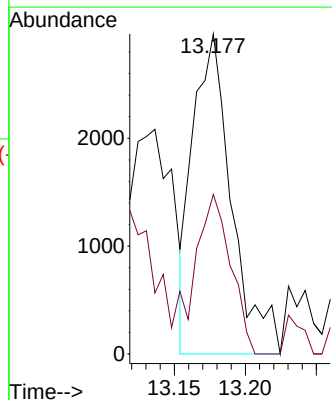
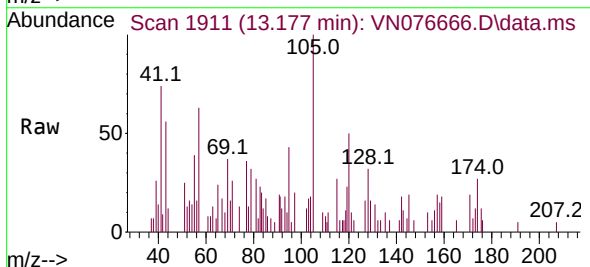
Instrument :
 MSVOA_N
 ClientSampleId :
 1929

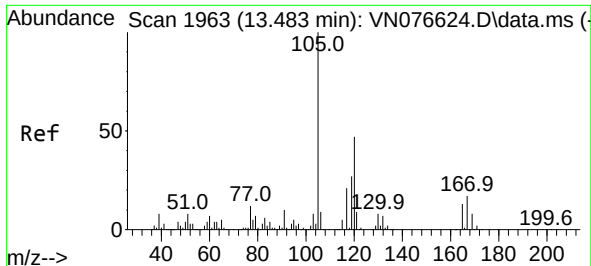
Tgt Ion:152 Resp: 246145
 Ion Ratio Lower Upper
 152 100
 115 60.7 29.3 87.9
 150 154.6 0.0 349.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.378 ug/l
 RT: 13.177 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VN076666.D
 Acq: 14 Feb 2023 17:24

Tgt Ion:105 Resp: 5641
 Ion Ratio Lower Upper
 105 100
 120 46.7 25.1 75.4

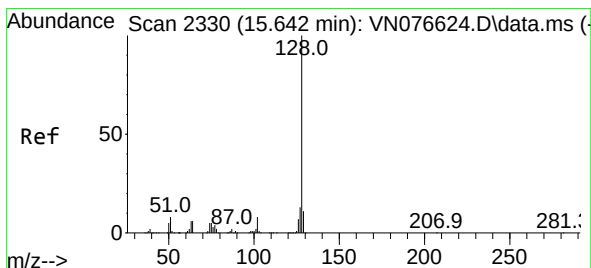
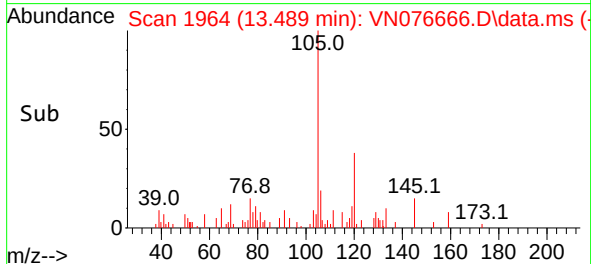
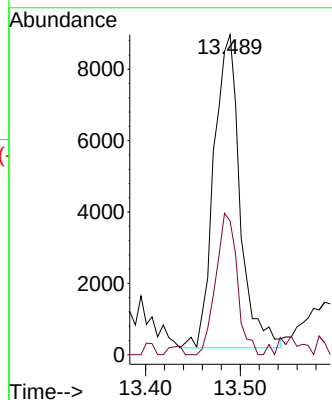
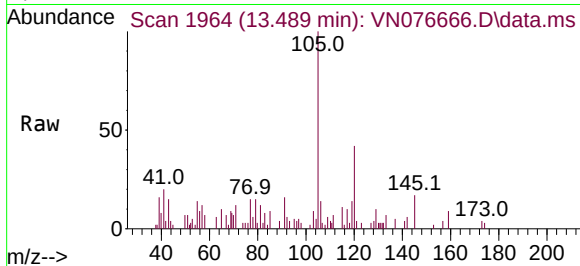




#84
1,2,4-Trimethylbenzene
Concen: 1.133 ug/l
RT: 13.489 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Instrument :
MSVOA_N
ClientSampleId :
1929

Tgt Ion:105 Resp: 16835
Ion Ratio Lower Upper
105 100
120 36.8 23.0 69.0



#95
Naphthalene
Concen: 1.147 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN076666.D
Acq: 14 Feb 2023 17:24

Tgt Ion:128 Resp: 15145
Ion Ratio Lower Upper
128 100
127 20.0 10.6 16.0#
129 24.6 8.6 13.0#

