

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038692.D
 Acq On : 09 Nov 2023 19:43
 Operator : JC/MD
 Sample : 05325-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 231108067-02-VOA

Quant Time: Nov 10 03:45:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

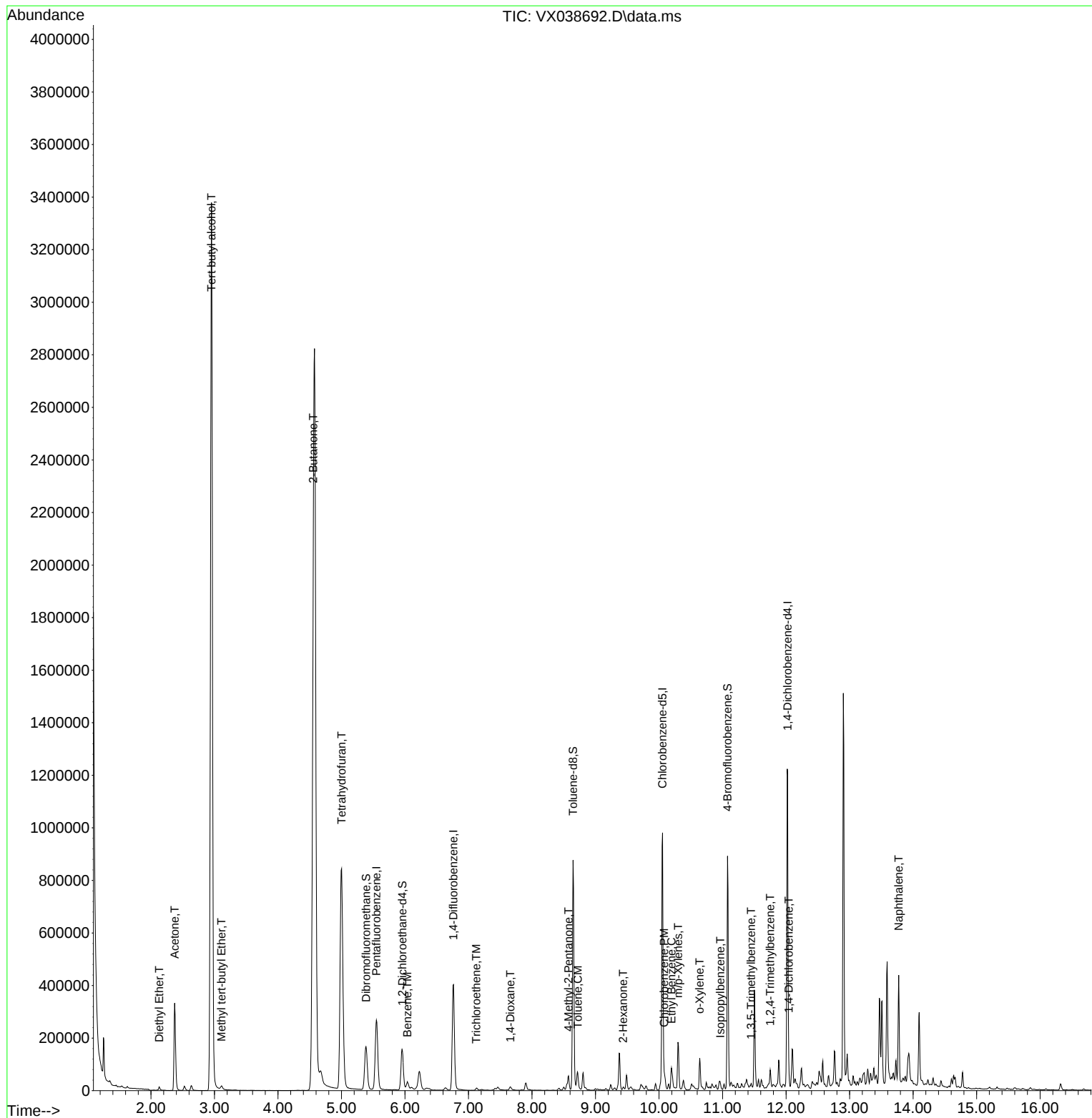
Internal Standards						
1) Pentafluorobenzene	5.550	168	279030	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	457168	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	476511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	275844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156864	45.156	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.320%		
35) Dibromofluoromethane	5.385	113	147085	44.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.340%		
50) Toluene-d8	8.647	98	551134	46.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.560%		
62) 4-Bromofluorobenzene	11.079	95	236198	51.705	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.400%		
Target Compounds						
						Qvalue
8) Diethyl Ether	2.130	74	4395	2.785	ug/l	86
11) Tert butyl alcohol	2.953	59	4051732	5705.521	ug/l	# 91
16) Acetone	2.374	43	329440	225.181	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	13846	1.663	ug/l	95
25) 2-Butanone	4.556	43	402195	189.774	ug/l	92
29) Tetrahydrofuran	5.001	42	742397	563.021	ug/l	# 81
40) Benzene	6.038	78	38328	3.253	ug/l	100
44) Trichloroethene	7.123	130	3722	1.015	ug/l	82
49) 1,4-Dioxane	7.659	88	9718	137.972	ug/l	# 89
51) 4-Methyl-2-Pentanone	8.574	43	33247	7.948	ug/l	99
52) Toluene	8.720	92	19906	2.579	ug/l	95
59) 2-Hexanone	9.433	43	4706	1.390	ug/l	84
65) Chlorobenzene	10.080	112	8632	0.890	ug/l	# 77
67) Ethyl Benzene	10.195	91	48471	2.954	ug/l	99
68) m/p-Xylenes	10.299	106	43456	6.673	ug/l	95
69) o-Xylene	10.640	106	27813	4.392	ug/l	95
73) Isopropylbenzene	10.964	105	11135	0.658	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	8598	0.590	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	30575	2.117	ug/l	82
88) 1,4-Dichlorobenzene	12.043	146	22625	2.479	ug/l	88
95) Naphthalene	13.774	128	240196	12.838	ug/l	99

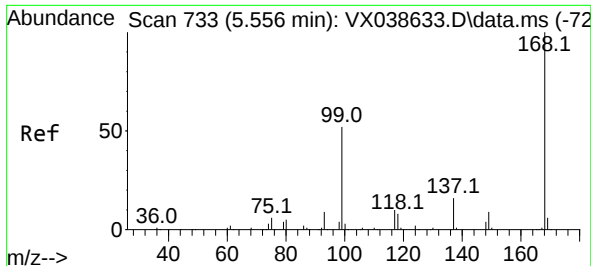
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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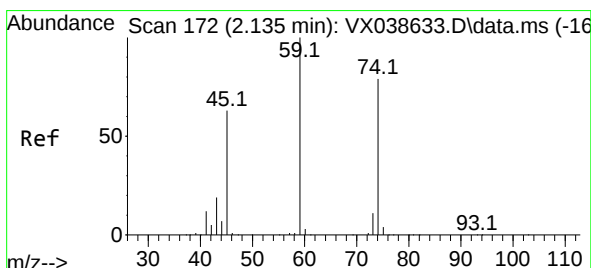
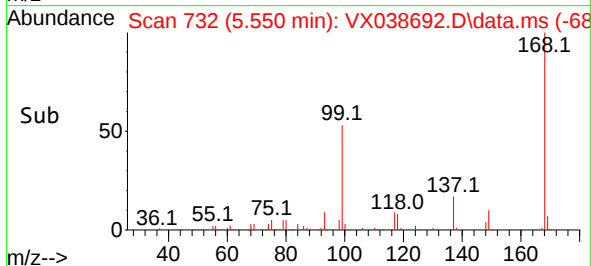
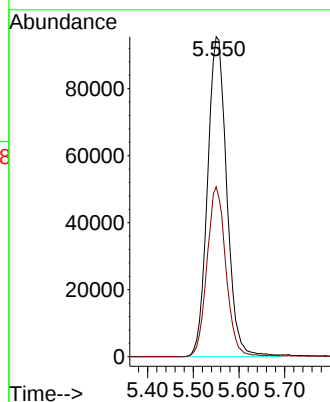
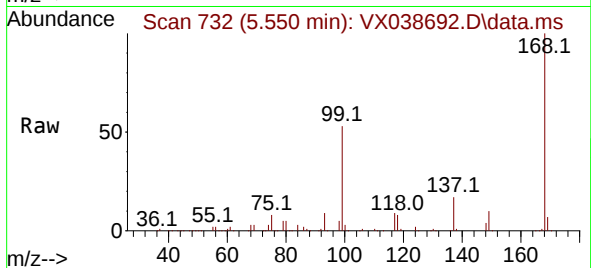




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

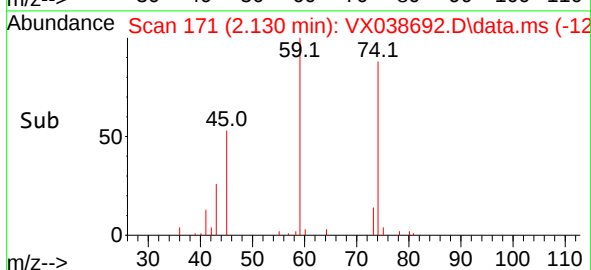
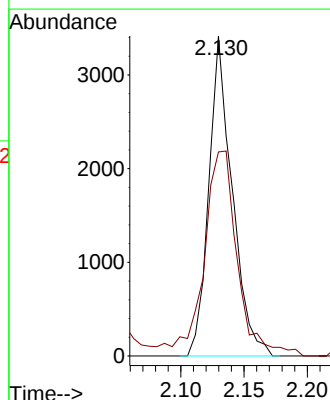
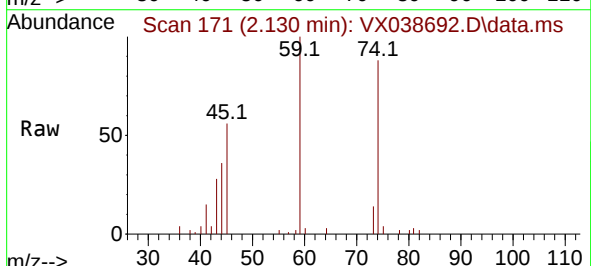
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

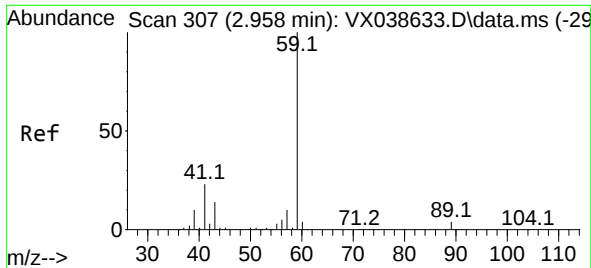
Tgt Ion:168 Resp: 279030
Ion Ratio Lower Upper
168 100
99 53.1 56.6 85.0#



#8
Diethyl Ether
Concen: 2.785 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion: 74 Resp: 4395
Ion Ratio Lower Upper
74 100
45 91.8 53.3 159.8

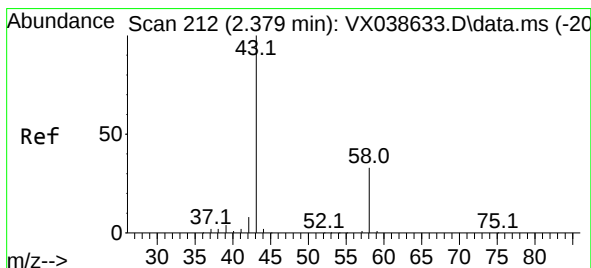
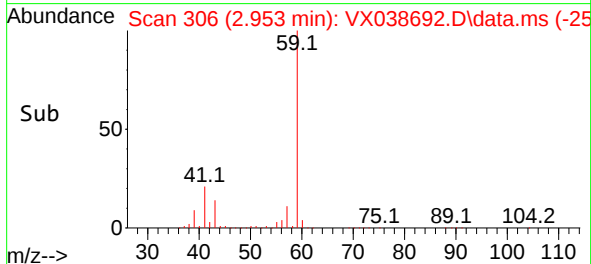
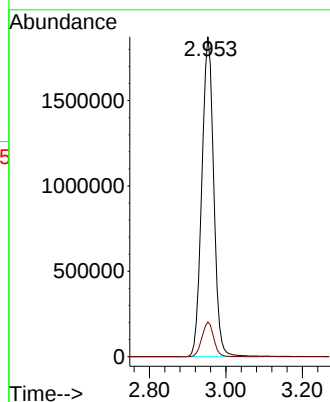
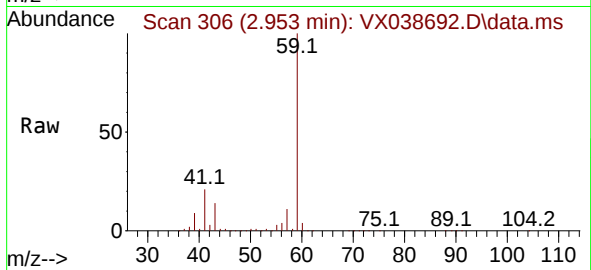




#11
Tert butyl alcohol
Concen: 5705.521 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

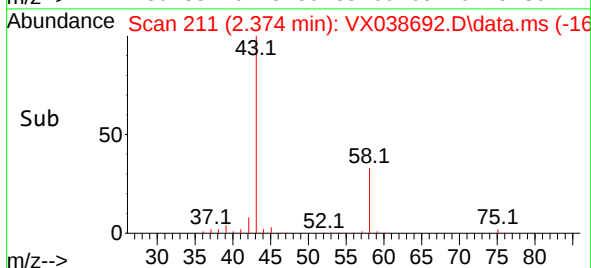
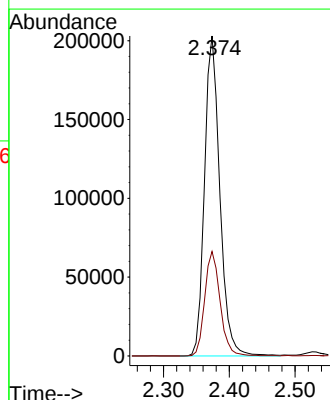
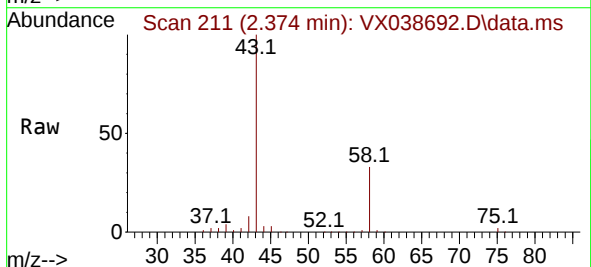
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

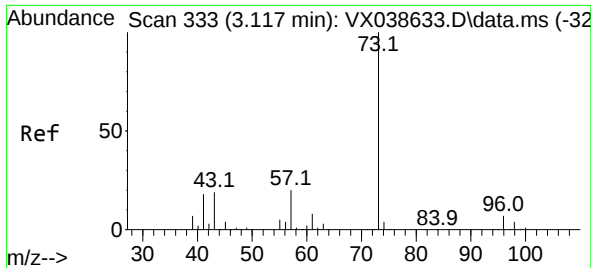
Tgt Ion: 59 Resp: 4051732
Ion Ratio Lower Upper
59 100
57 10.7 6.0 9.0#



#16
Acetone
Concen: 225.181 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion: 43 Resp: 329440
Ion Ratio Lower Upper
43 100
58 32.7 21.9 32.9

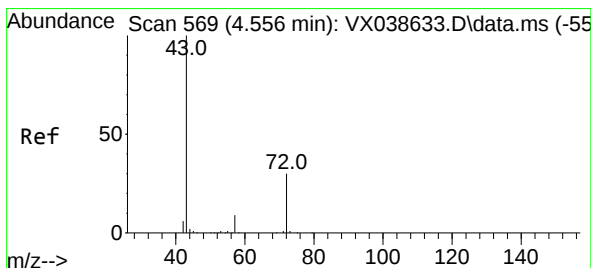
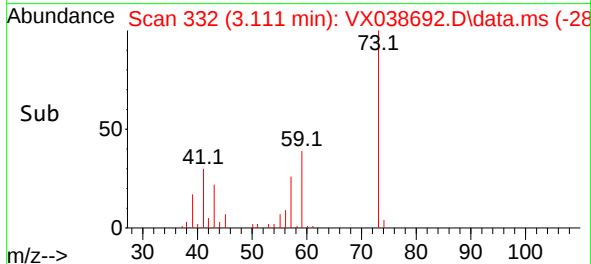
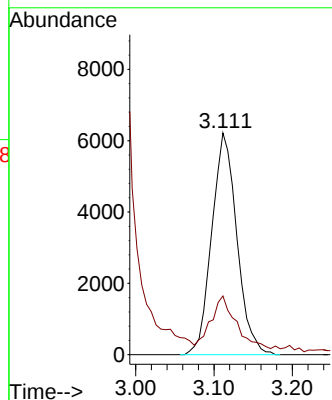
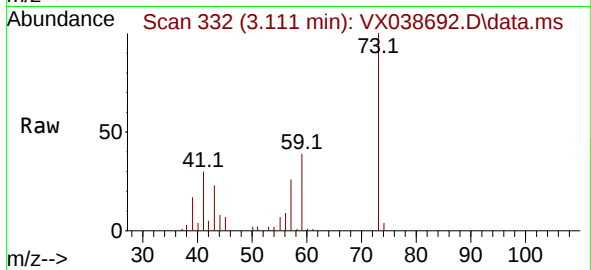




#19
Methyl tert-butyl Ether
Concen: 1.663 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

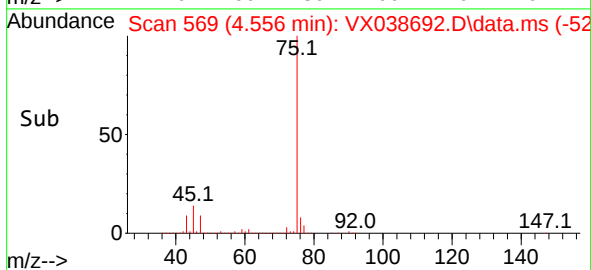
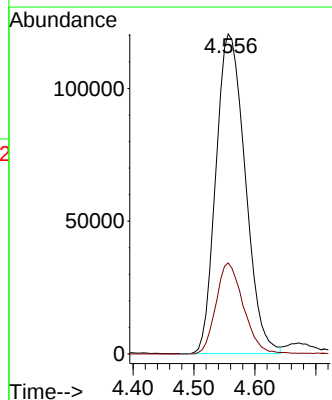
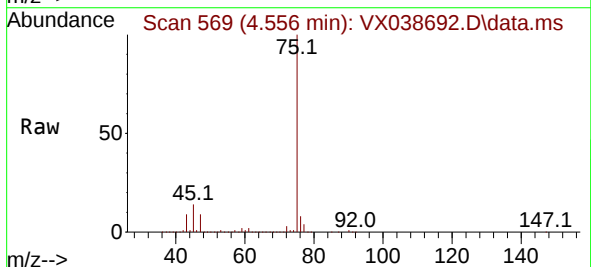
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

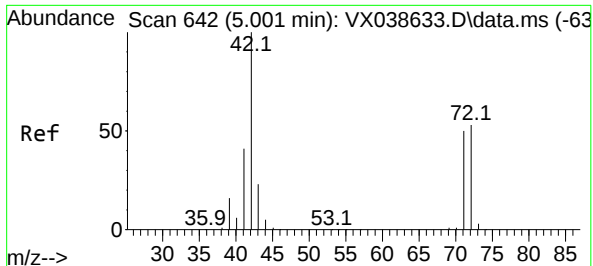
Tgt Ion: 73 Resp: 13846
Ion Ratio Lower Upper
73 100
57 23.8 17.3 25.9



#25
2-Butanone
Concen: 189.774 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion: 43 Resp: 402195
Ion Ratio Lower Upper
43 100
72 28.5 19.4 29.2





#29

Tetrahydrofuran

Concen: 563.021 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX038692.D

Acq: 09 Nov 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

231108067-02-VOA

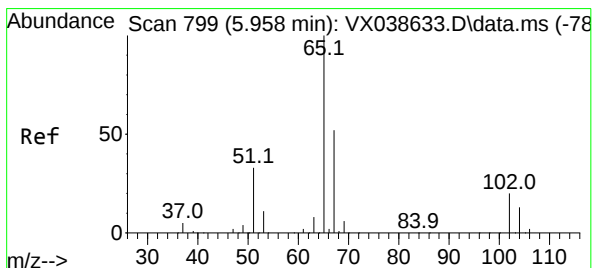
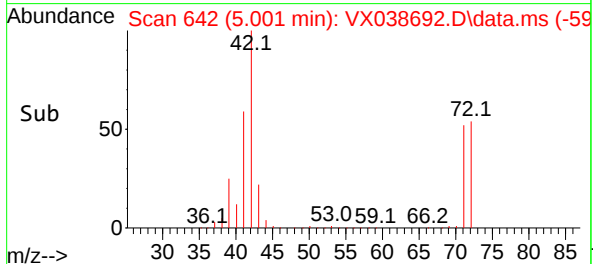
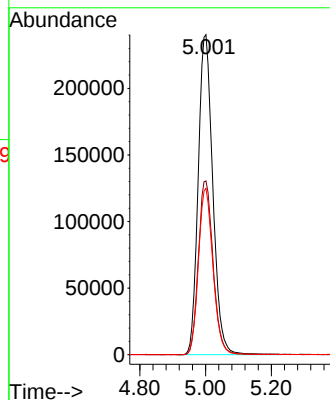
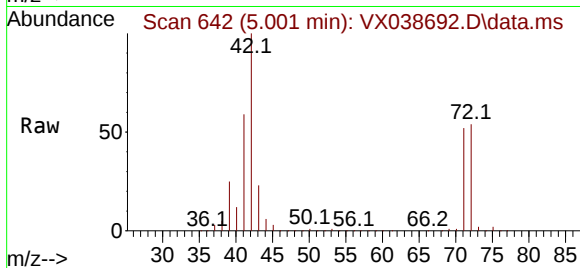
Tgt Ion: 42 Resp: 742397

Ion Ratio Lower Upper

42 100

72 54.7 34.2 51.4#

71 51.6 32.2 48.2#



#33

1,2-Dichloroethane-d4

Concen: 45.156 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038692.D

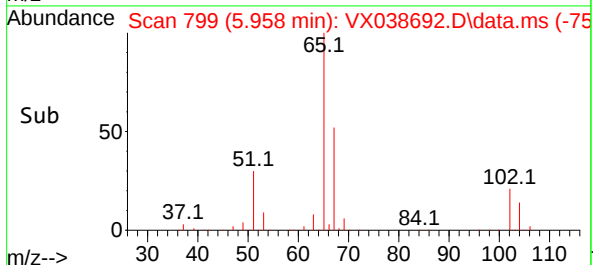
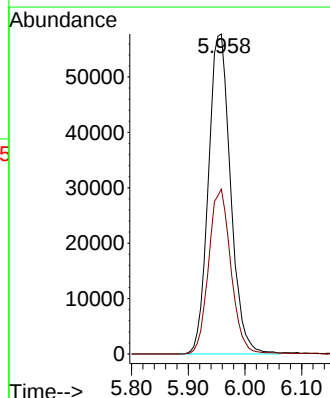
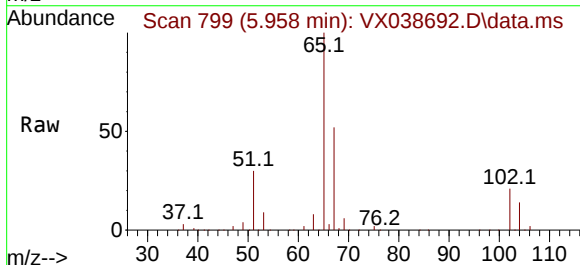
Acq: 09 Nov 2023 19:43

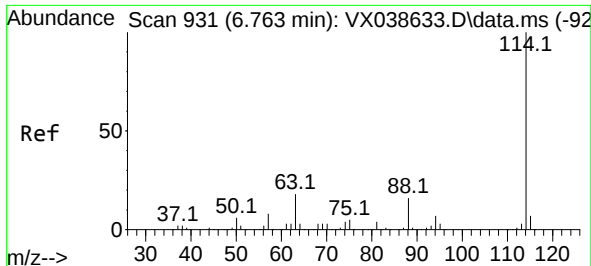
Tgt Ion: 65 Resp: 156864

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.2

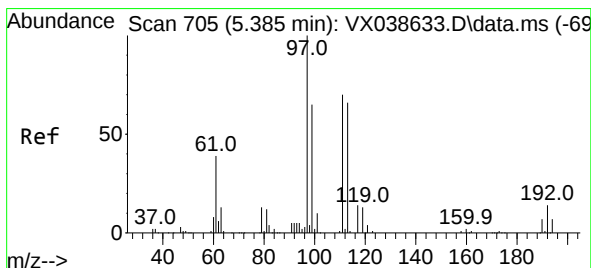
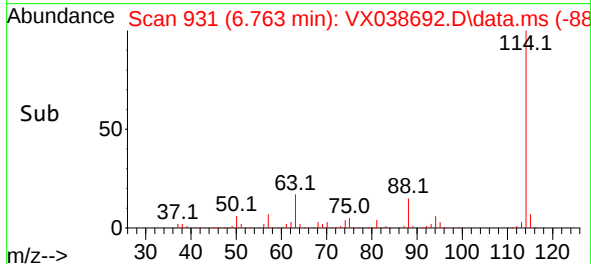
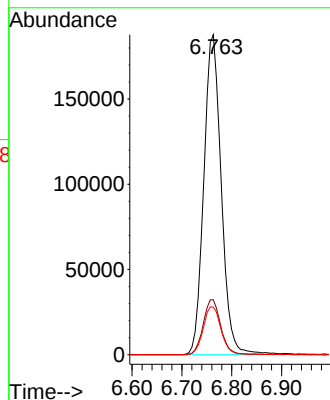
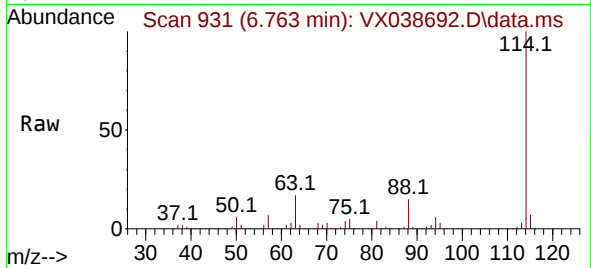




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

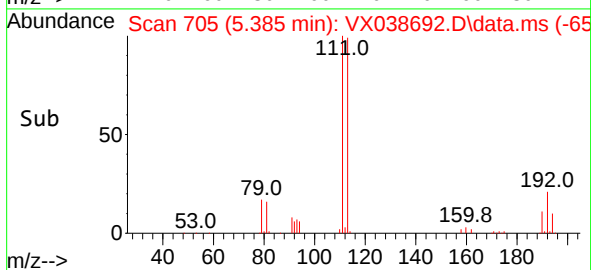
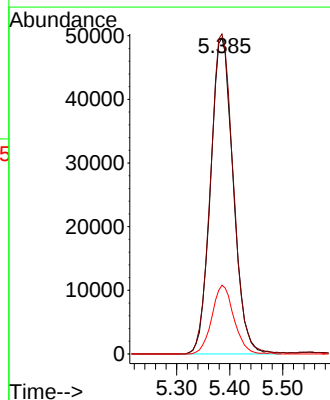
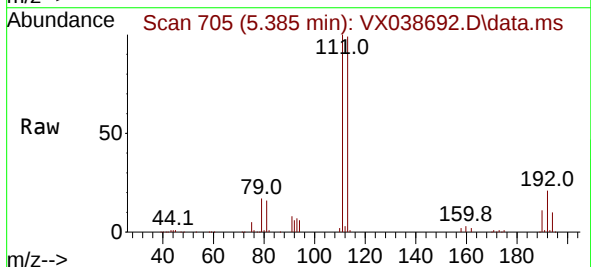
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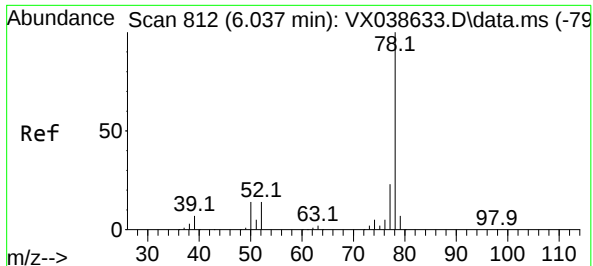
Tgt Ion:114 Resp: 457168
Ion Ratio Lower Upper
114 100
63 17.1 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.671 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion:113 Resp: 147085
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 21.0 13.3 19.9#





#40

Benzene

Concen: 3.253 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX038692.D

Acq: 09 Nov 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

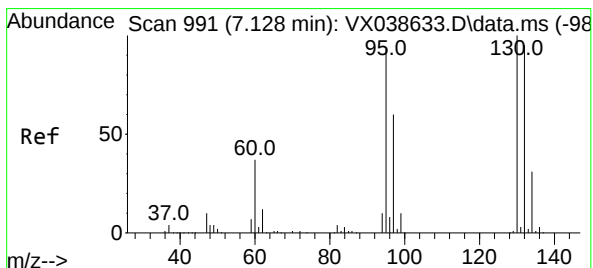
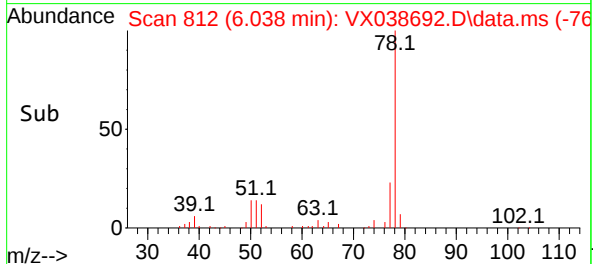
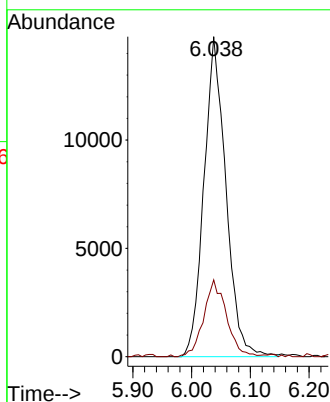
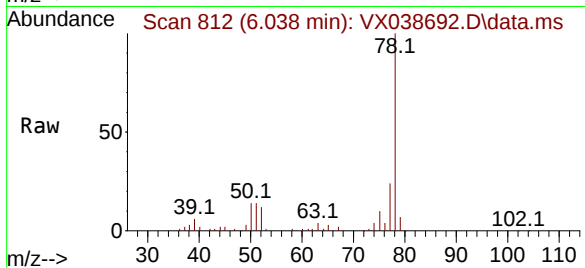
231108067-02-VOA

Tgt Ion: 78 Resp: 38328

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9



#44

Trichloroethene

Concen: 1.015 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX038692.D

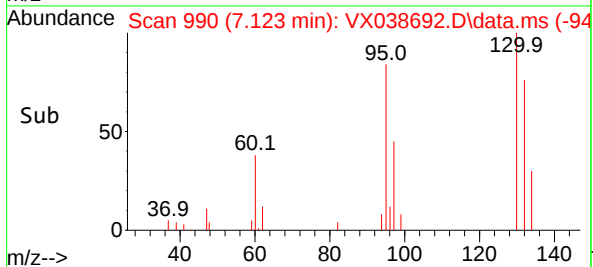
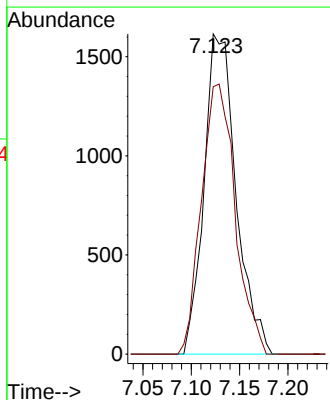
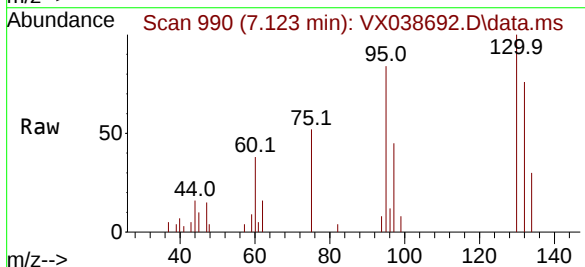
Acq: 09 Nov 2023 19:43

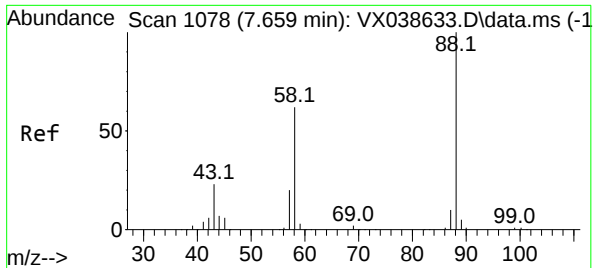
Tgt Ion:130 Resp: 3722

Ion Ratio Lower Upper

130 100

95 83.5 0.0 204.4

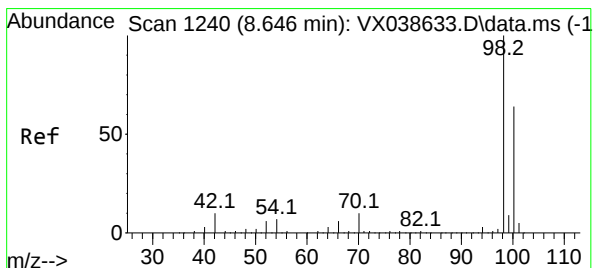
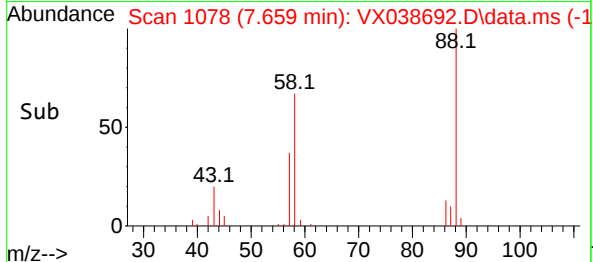
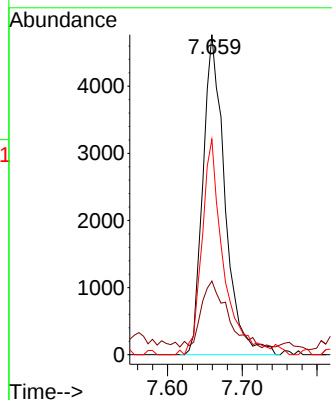
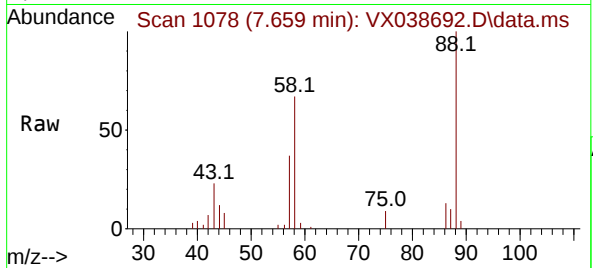




#49
1,4-Dioxane
Concen: 137.972 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

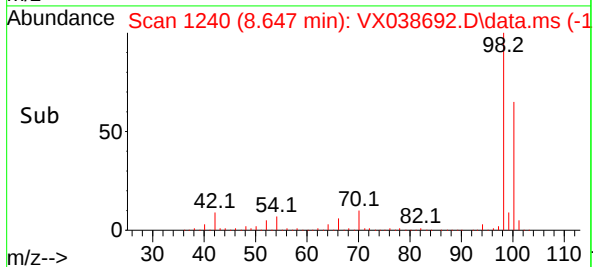
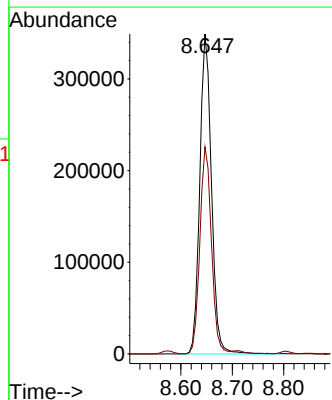
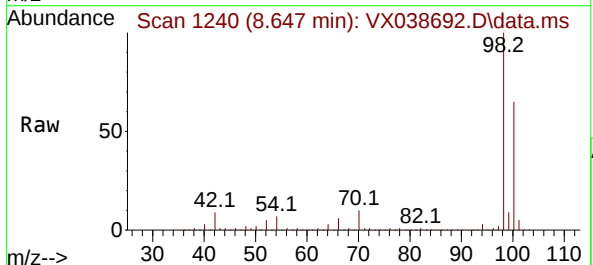
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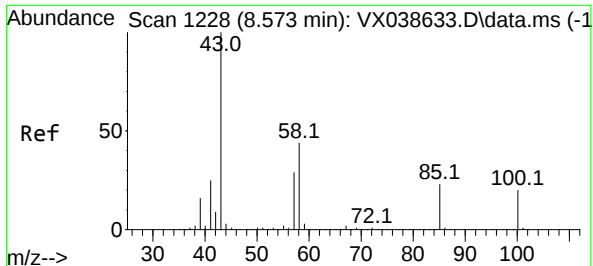
Tgt Ion: 88 Resp: 9718
Ion Ratio Lower Upper
88 100
43 24.8 0.0 0.0#
58 65.6 60.1 90.1



#50
Toluene-d8
Concen: 46.776 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion: 98 Resp: 551134
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

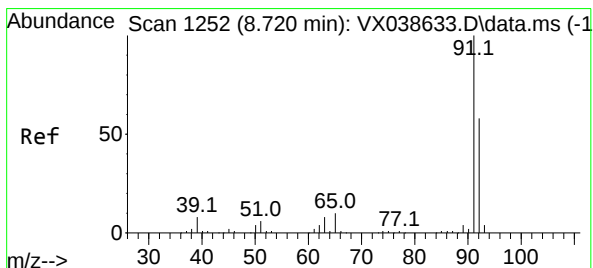
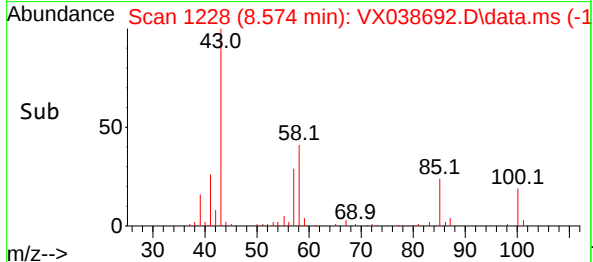
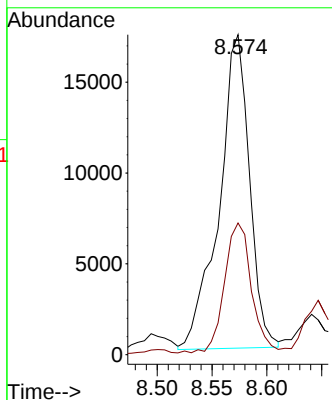
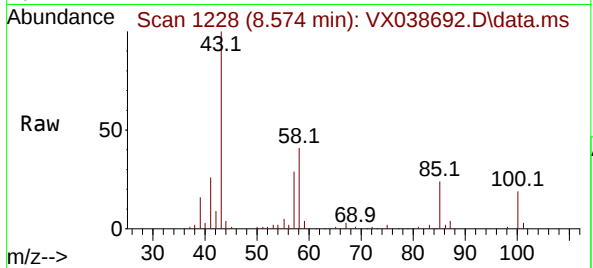




#51
4-Methyl-2-Pentanone
Concen: 7.948 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

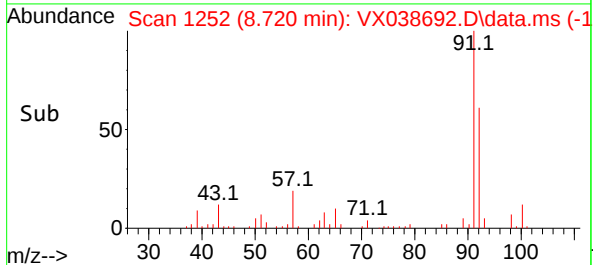
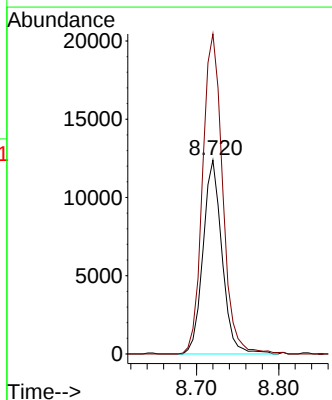
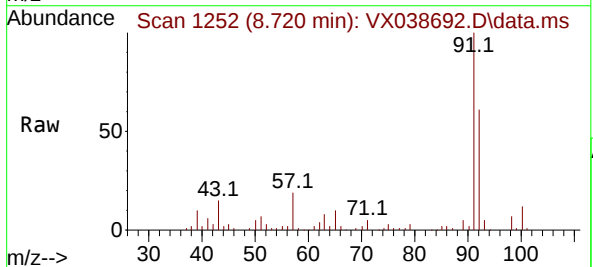
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

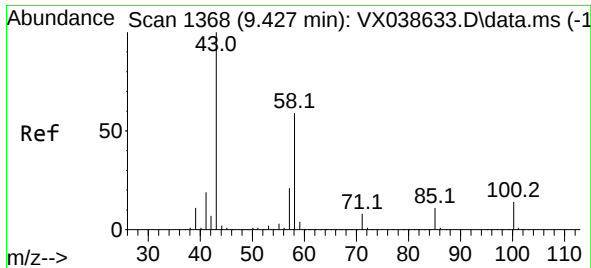
Tgt Ion: 43 Resp: 33247
Ion Ratio Lower Upper
43 100
58 37.2 30.4 45.6



#52
Toluene
Concen: 2.579 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion: 92 Resp: 19906
Ion Ratio Lower Upper
92 100
91 174.2 134.2 201.2

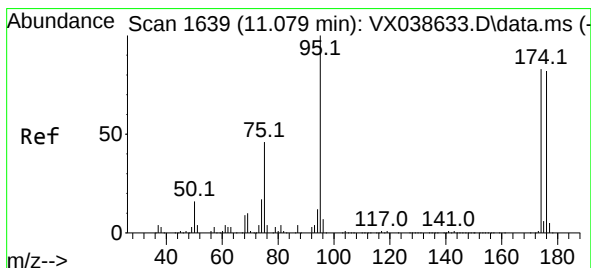
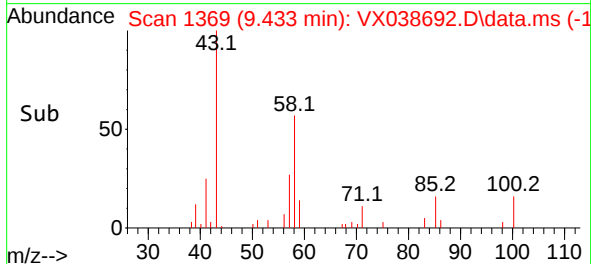
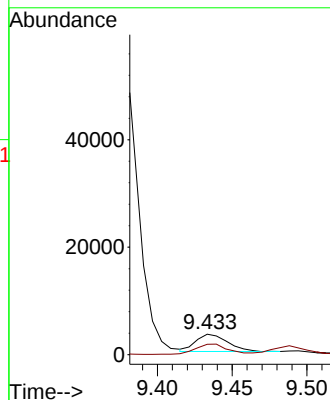
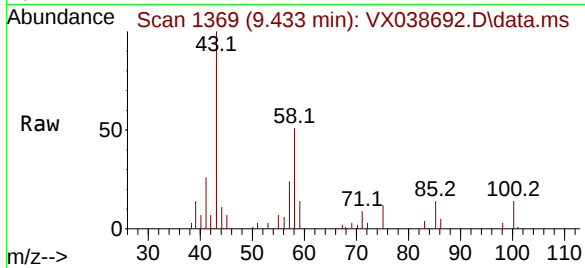




#59
2-Hexanone
Concen: 1.390 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

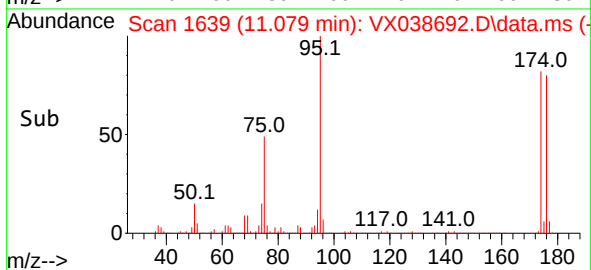
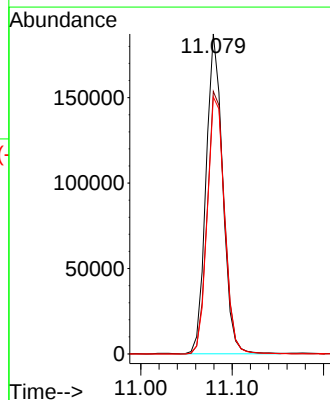
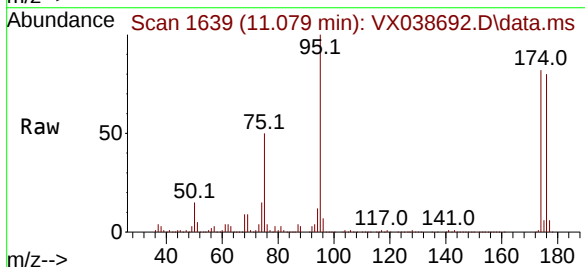
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

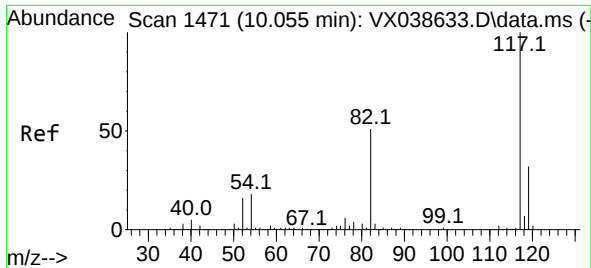
Tgt Ion: 43 Resp: 4706
Ion Ratio Lower Upper
43 100
58 63.9 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 51.705 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion: 95 Resp: 236198
Ion Ratio Lower Upper
95 100
174 85.9 0.0 135.6
176 83.6 0.0 131.0

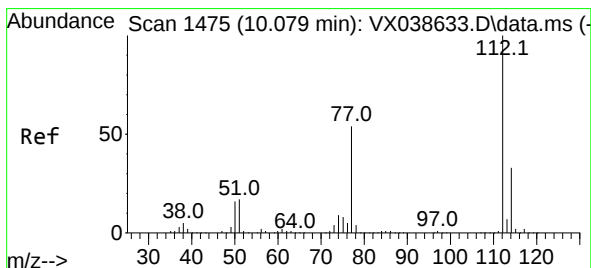
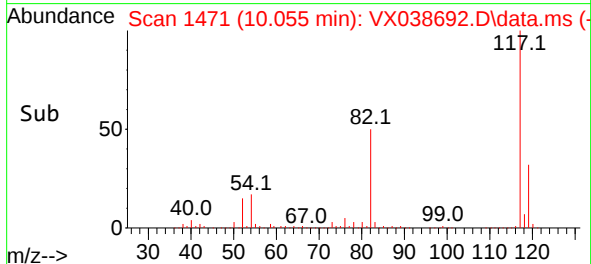
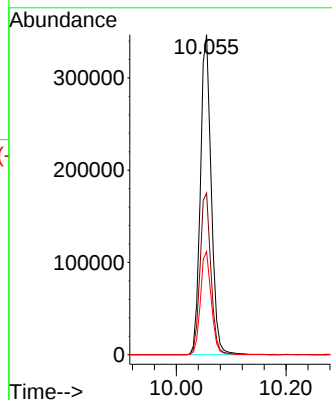
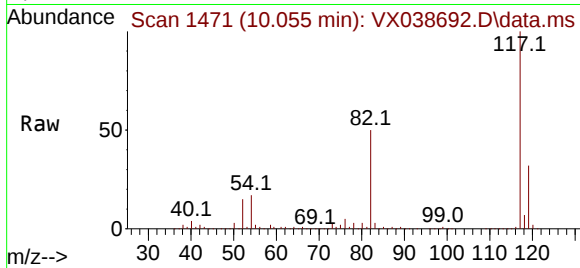




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

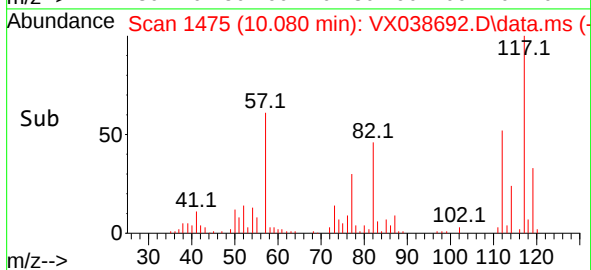
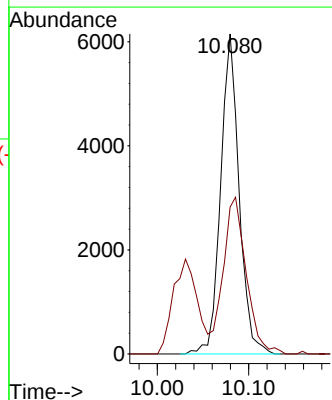
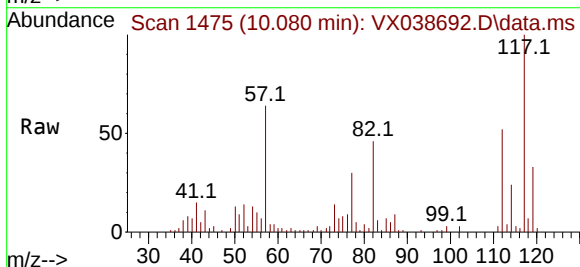
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

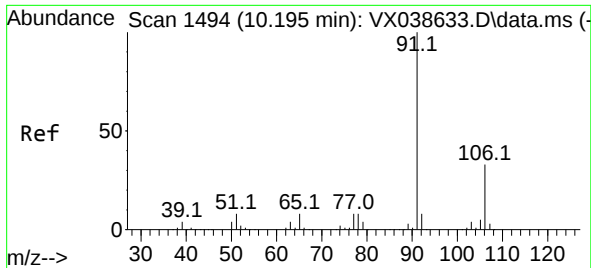
Tgt Ion:117 Resp: 476511
Ion Ratio Lower Upper
117 100
82 50.5 46.2 69.4
119 32.2 25.5 38.3



#65
Chlorobenzene
Concen: 0.890 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion:112 Resp: 8632
Ion Ratio Lower Upper
112 100
114 44.9 25.7 38.5#

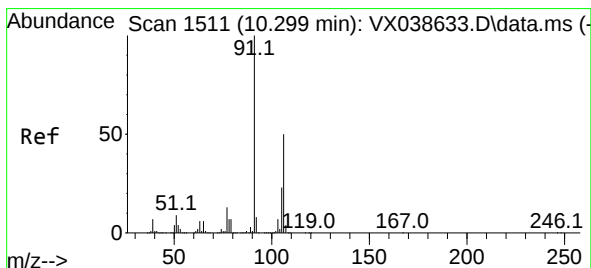
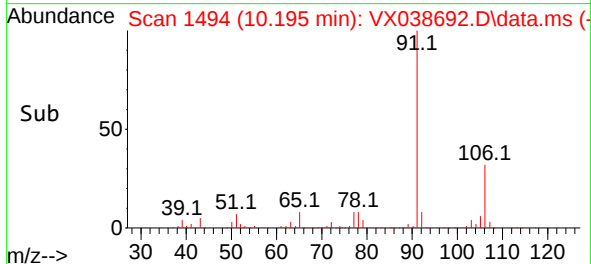
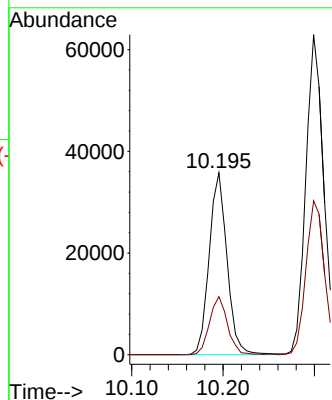
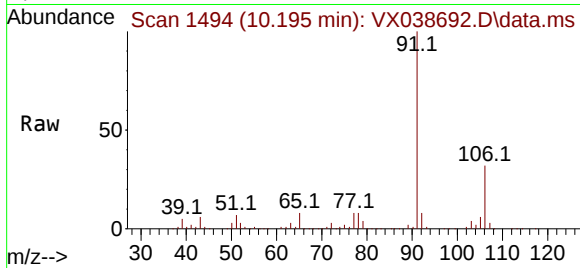




#67
Ethyl Benzene
Concen: 2.954 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

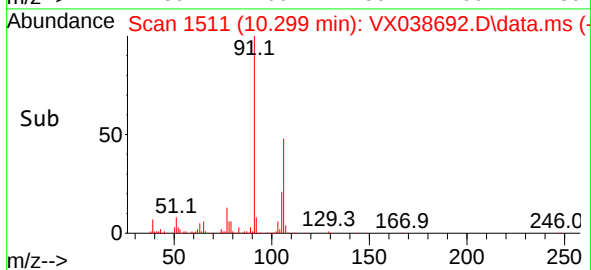
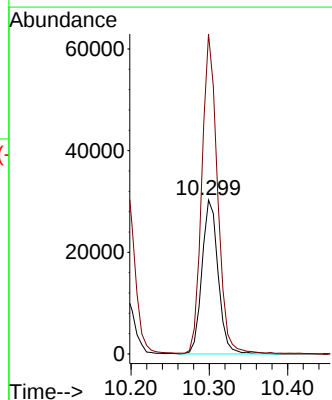
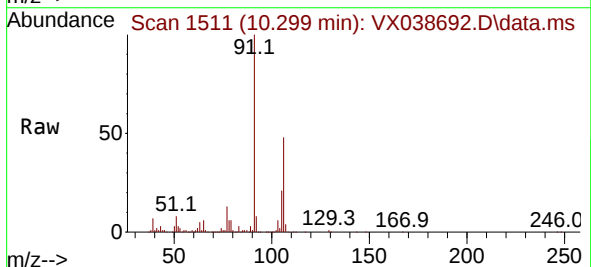
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

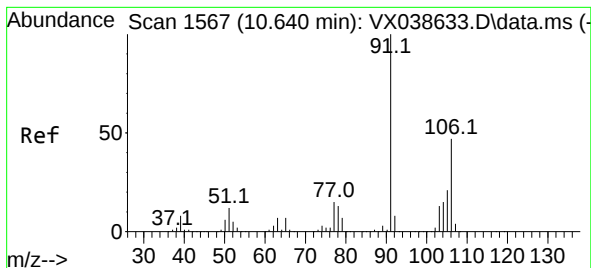
Tgt Ion: 91 Resp: 48471
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3



#68
m/p-Xylenes
Concen: 6.673 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

Tgt Ion: 106 Resp: 43456
Ion Ratio Lower Upper
106 100
91 199.8 165.5 248.3





#69

o-Xylene

Concen: 4.392 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038692.D

Acq: 09 Nov 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

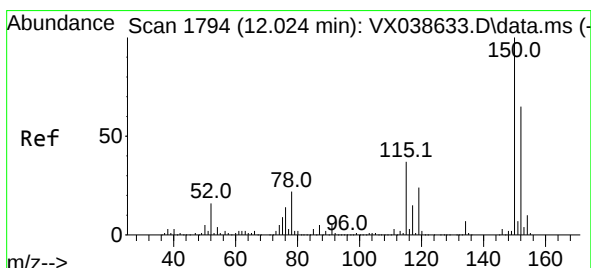
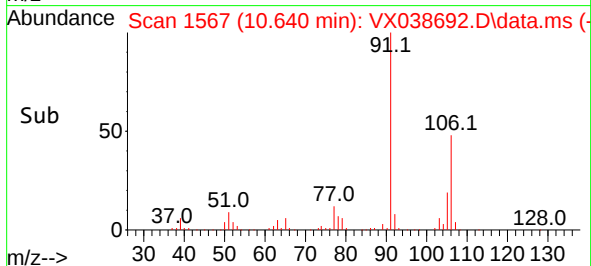
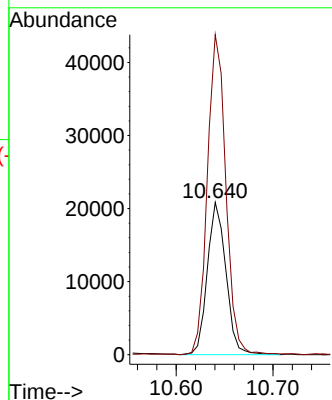
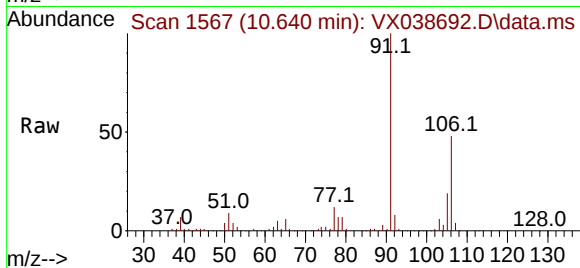
231108067-02-VOA

Tgt Ion:106 Resp: 27813

Ion Ratio Lower Upper

106 100

91 209.6 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038692.D

Acq: 09 Nov 2023 19:43

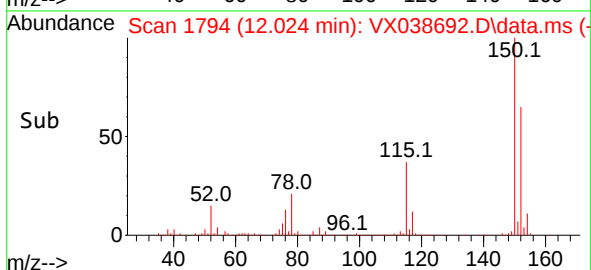
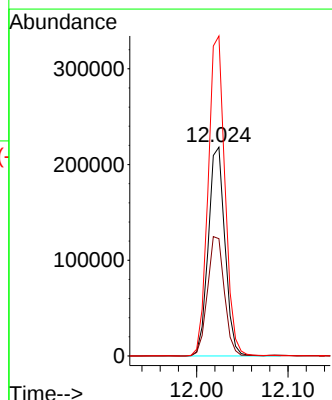
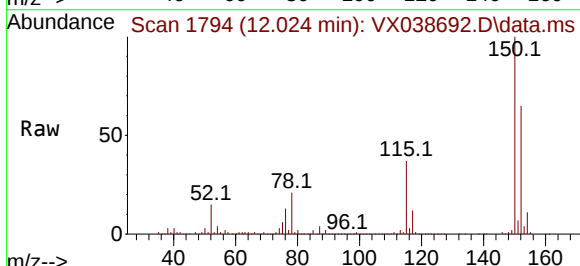
Tgt Ion:152 Resp: 275844

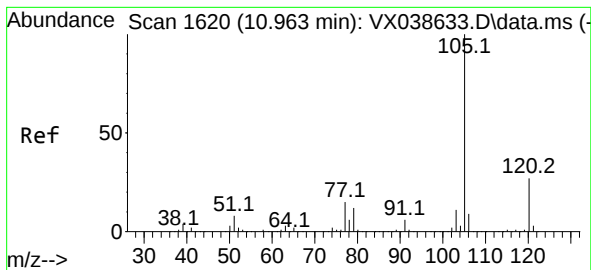
Ion Ratio Lower Upper

152 100

115 57.8 43.3 129.9

150 155.2 0.0 345.0





#73

Isopropylbenzene

Concen: 0.658 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038692.D

Acq: 09 Nov 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

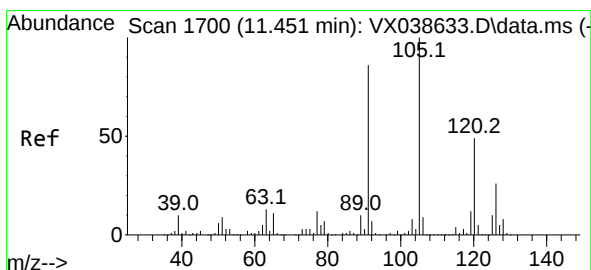
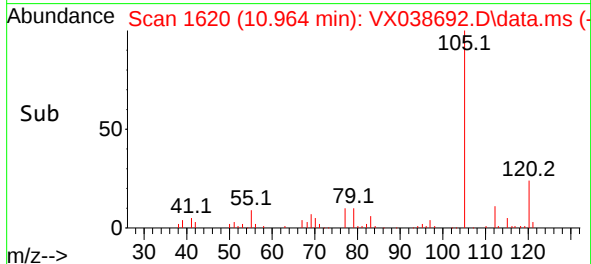
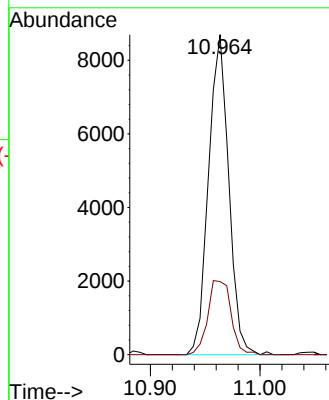
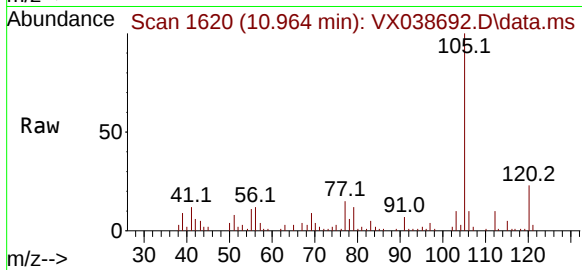
231108067-02-VOA

Tgt Ion:105 Resp: 11135

Ion Ratio Lower Upper

105 100

120 26.6 12.9 38.6



#80

1,3,5-Trimethylbenzene

Concen: 0.590 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX038692.D

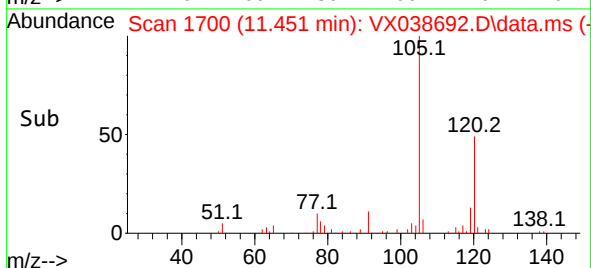
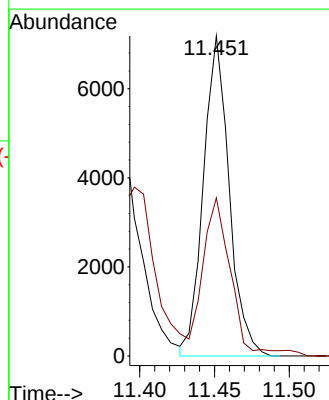
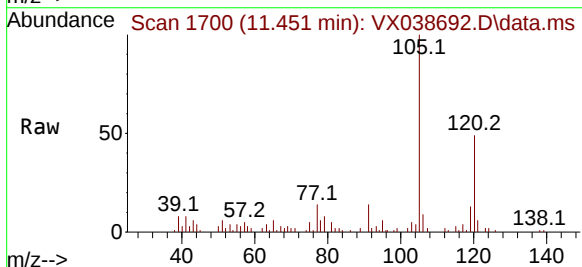
Acq: 09 Nov 2023 19:43

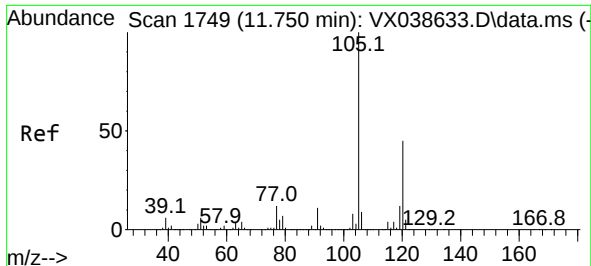
Tgt Ion:105 Resp: 8598

Ion Ratio Lower Upper

105 100

120 53.3 24.1 72.3

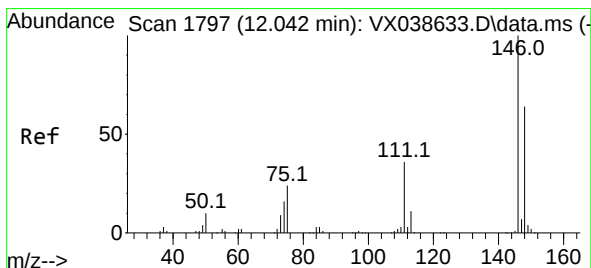
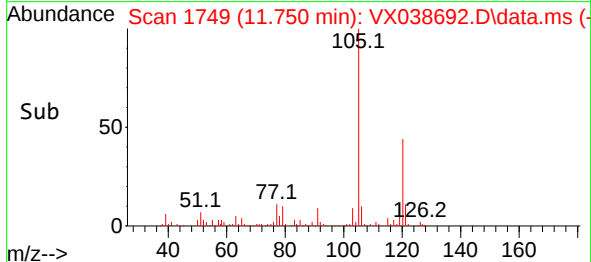
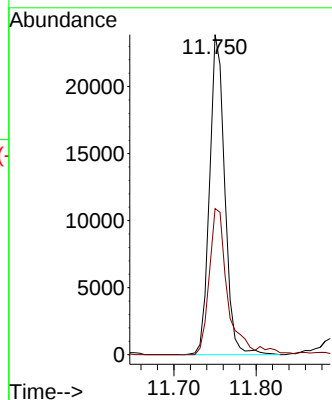
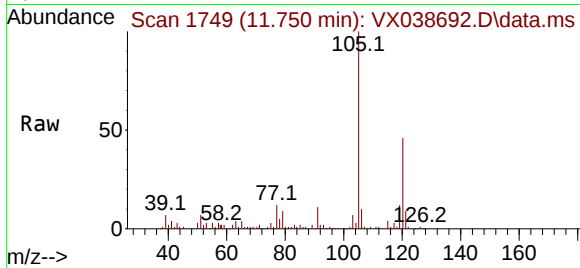




#84
1,2,4-Trimethylbenzene
Concen: 2.117 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

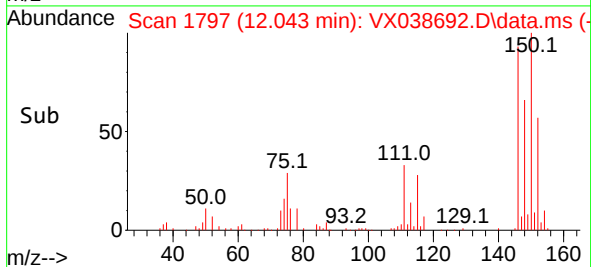
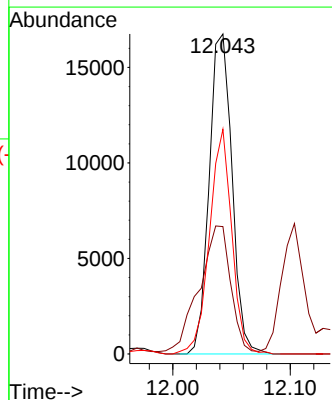
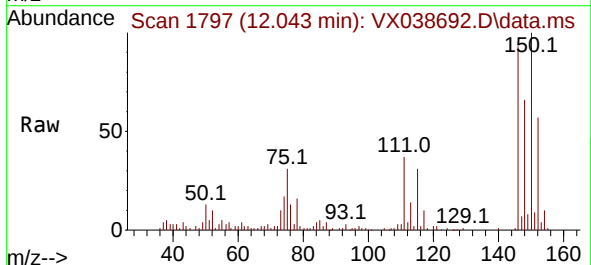
Instrument :
MSVOA_X
ClientSampleId :
231108067-02-VOA

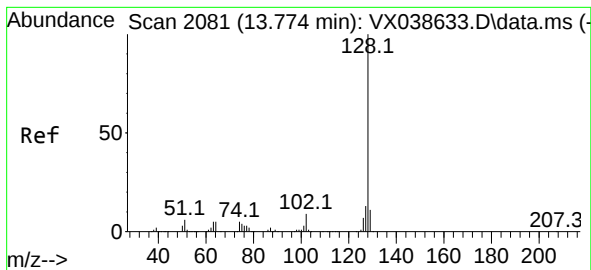
Tgt Ion:105 Resp: 30575
Ion Ratio Lower Upper
105 100
120 53.8 21.2 63.6



#88
1,4-Dichlorobenzene
Concen: 2.479 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX038692.D
Acq: 09 Nov 2023 19:43

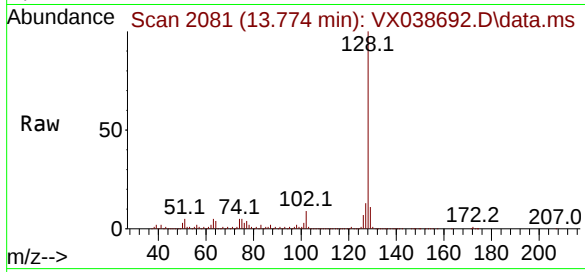
Tgt Ion:146 Resp: 22625
Ion Ratio Lower Upper
146 100
111 55.2 21.3 63.7
148 68.7 31.8 95.4





#95
 Naphthalene
 Concen: 12.838 ug/l
 RT: 13.774 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX038692.D
 Acq: 09 Nov 2023 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 231108067-02-VOA



Tgt Ion:128 Resp: 240196
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.3 15.5
 129 10.6 8.8 13.2

