

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036939.D
 Acq On : 11 Aug 2023 14:27
 Operator : JC/MD
 Sample : 03960-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230809051-02-VOA

Quant Time: Aug 11 22:58:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	127482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	235182	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103405	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91071	48.281	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.560%
35) Dibromofluoromethane	5.385	113	76561	47.362	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.720%
50) Toluene-d8	8.647	98	281737	49.147	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.300%
62) 4-Bromofluorobenzene	11.079	95	110313	51.005	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.020%

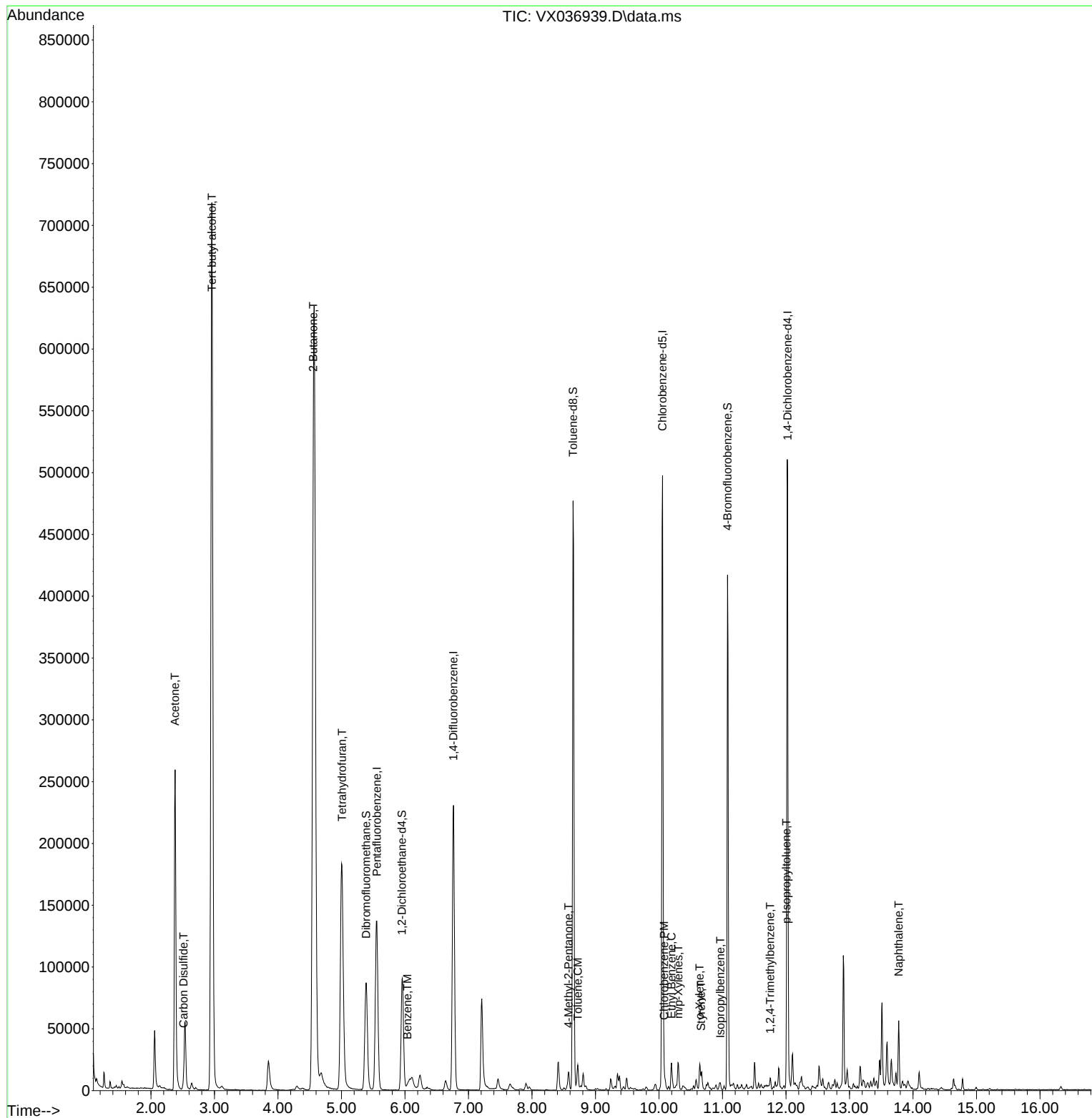
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.959	59	868260	1944.301	ug/l #	91
16) Acetone	2.380	43	272878	348.621	ug/l	90
17) Carbon Disulfide	2.514	76	8122	2.062	ug/l	98
25) 2-Butanone	4.556	43	296567	233.527	ug/l	92
29) Tetrahydrofuran	5.007	42	131010	160.011	ug/l	89
40) Benzene	6.038	78	4766	0.680	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	8920	3.434	ug/l	98
52) Toluene	8.720	92	6340	1.443	ug/l	96
65) Chlorobenzene	10.080	112	1587	0.320	ug/l #	63
67) Ethyl Benzene	10.195	91	12595	1.390	ug/l	94
68) m/p-Xylenes	10.305	106	4933	1.459	ug/l	96
69) o-Xylene	10.640	106	3560	1.055	ug/l	96
70) Styrene	10.659	104	1396	0.251	ug/l #	78
73) Isopropylbenzene	10.964	105	2191	0.256	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	3953	0.552	ug/l	95
86) p-Isopropyltoluene	12.006	119	3607	0.500	ug/l	87
95) Naphthalene	13.774	128	26657	3.565	ug/l	99

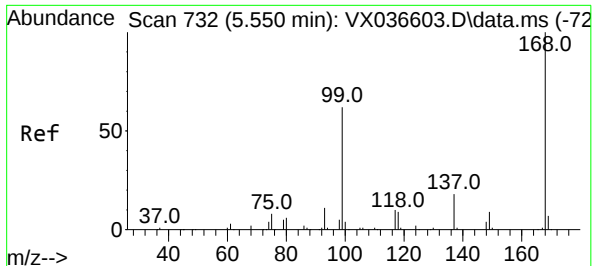
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
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Acq On : 11 Aug 2023 14:27
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

Quant Time: Aug 11 22:58:49 2023
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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

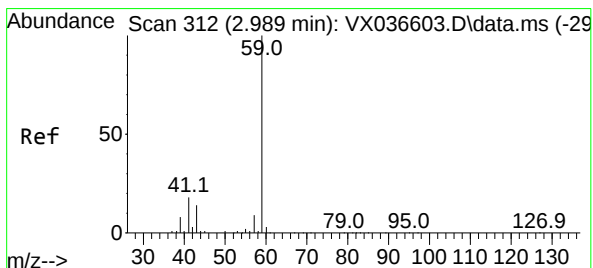
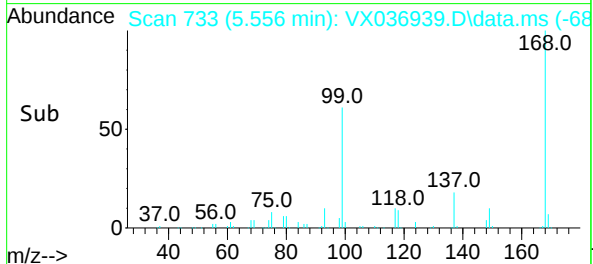
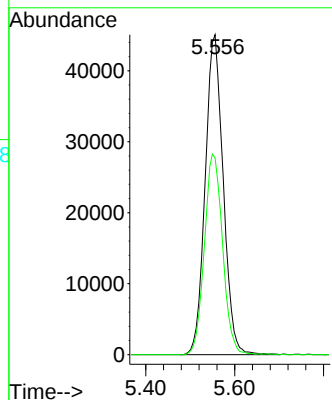
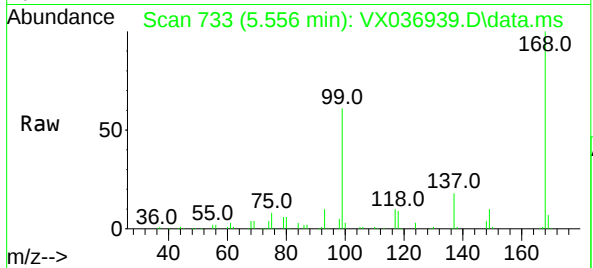




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

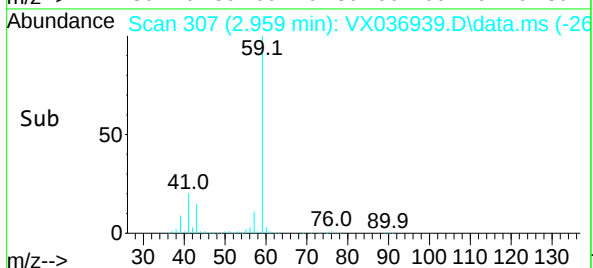
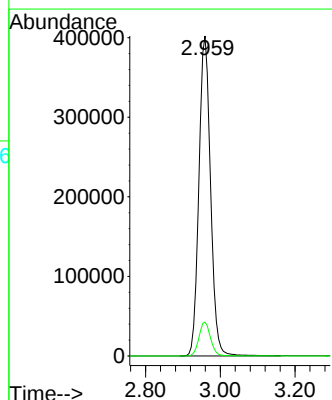
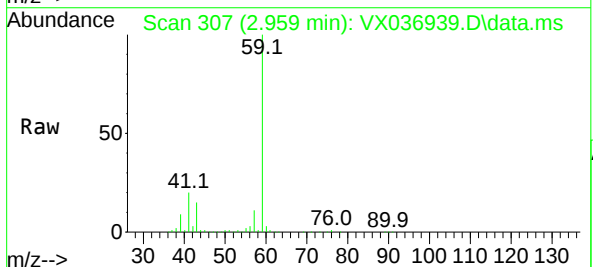
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

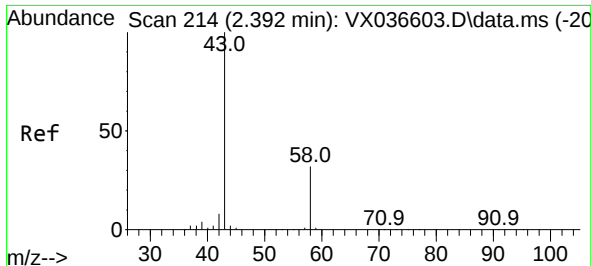
Tgt Ion:168 Resp: 127482
Ion Ratio Lower Upper
168 100
99 61.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 1944.301 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion: 59 Resp: 868260
Ion Ratio Lower Upper
59 100
57 10.6 6.0 9.0#

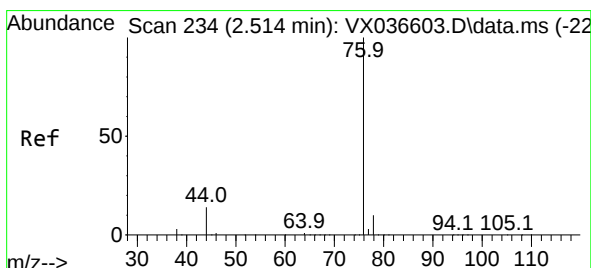
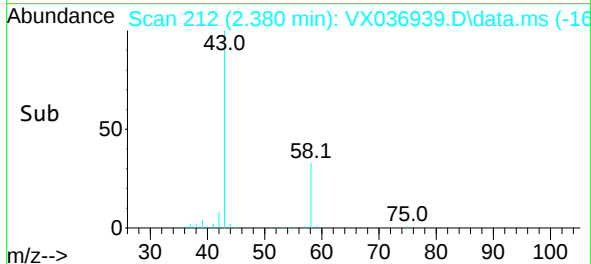
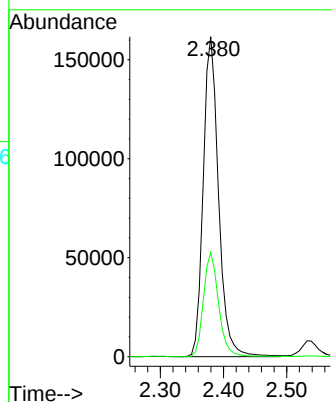
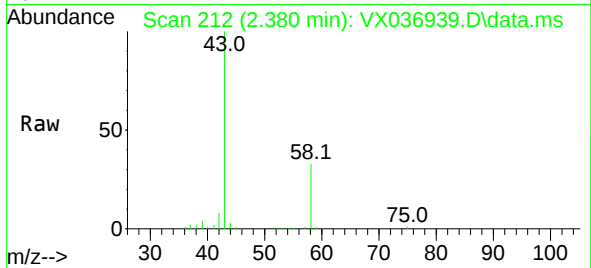




#16
Acetone
Concen: 348.621 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

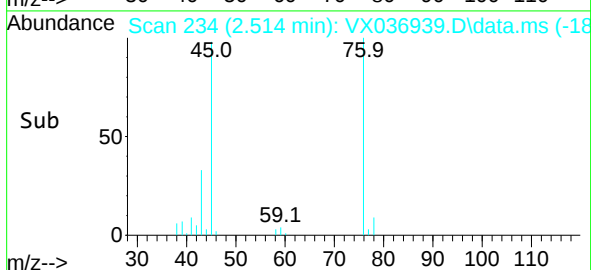
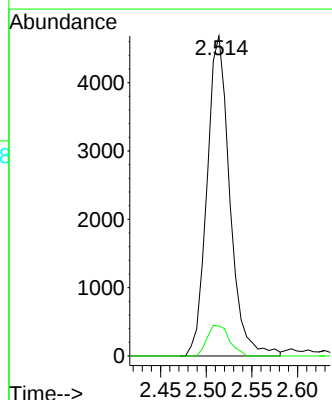
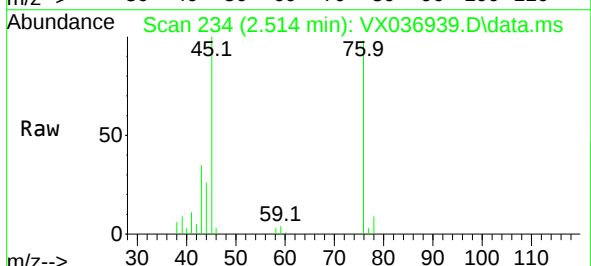
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

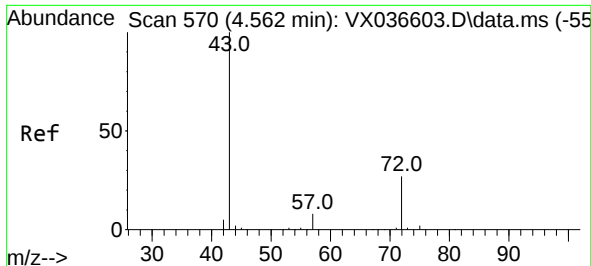
Tgt Ion: 43 Resp: 272878
Ion Ratio Lower Upper
43 100
58 32.5 21.9 32.9



#17
Carbon Disulfide
Concen: 2.062 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion: 76 Resp: 8122
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

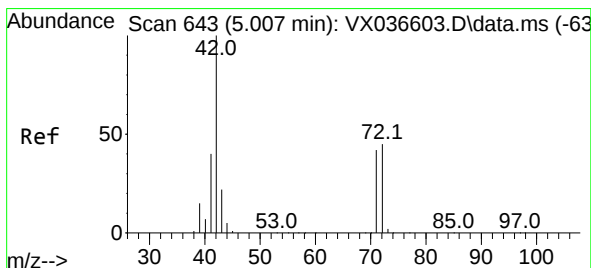
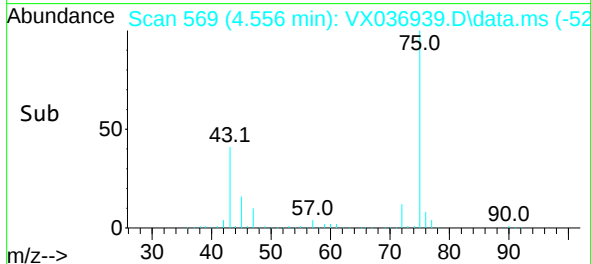
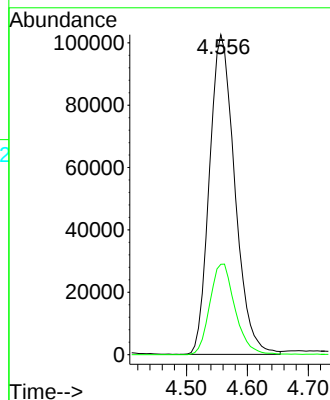
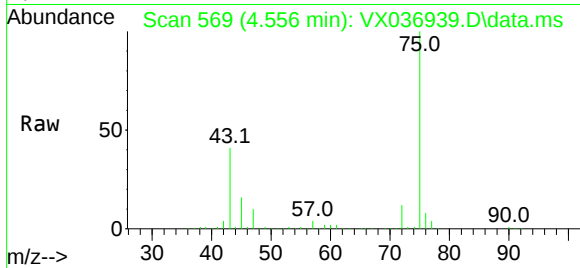




#25
2-Butanone
Concen: 233.527 ug/l
RT: 4.556 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

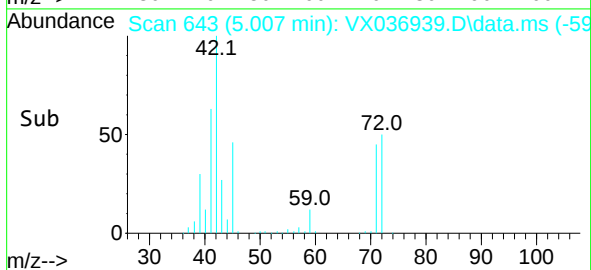
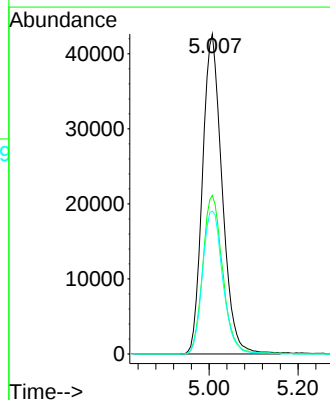
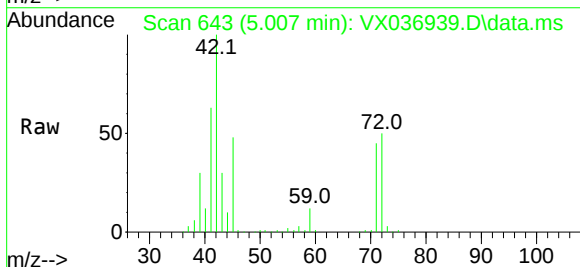
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

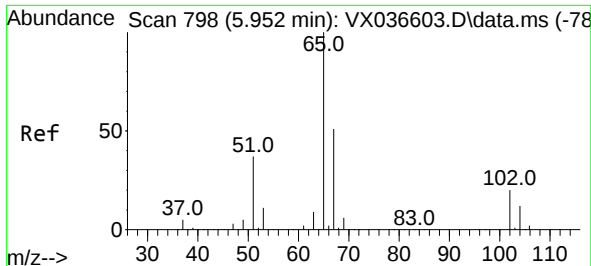
Tgt Ion: 43 Resp: 296567
Ion Ratio Lower Upper
43 100
72 28.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 160.011 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion: 42 Resp: 131010
Ion Ratio Lower Upper
42 100
72 50.0 34.2 51.4
71 46.5 32.2 48.2





#33

1,2-Dichloroethane-d4

Concen: 48.281 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036939.D

Acq: 11 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

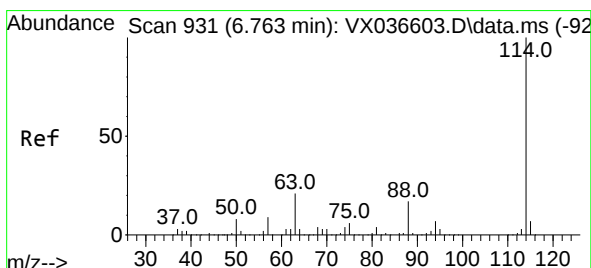
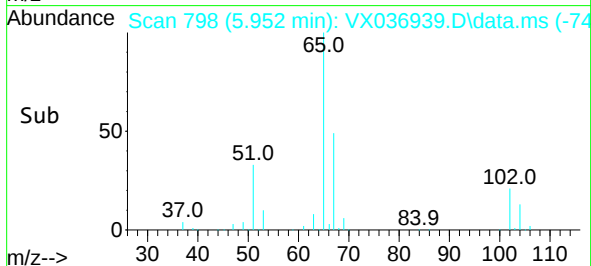
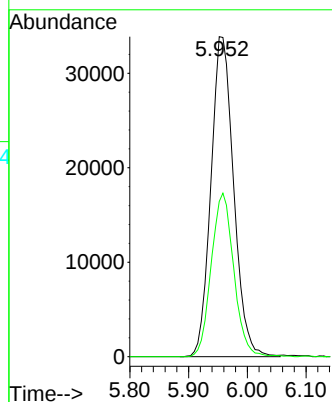
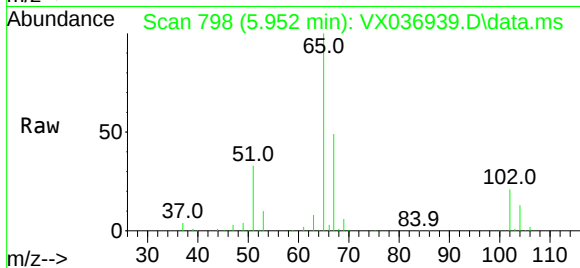
230809051-02-VOA

Tgt Ion: 65 Resp: 91071

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036939.D

Acq: 11 Aug 2023 14:27

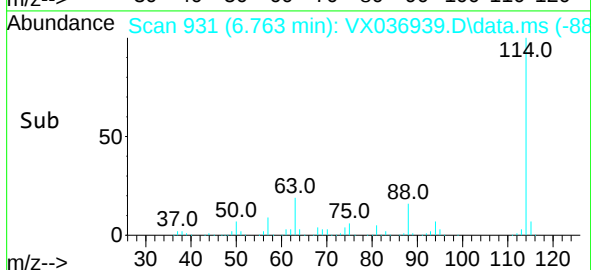
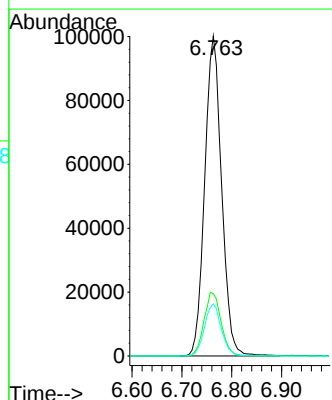
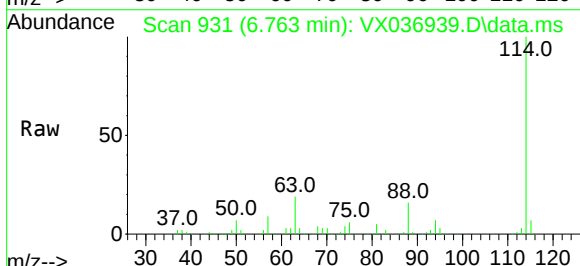
Tgt Ion: 114 Resp: 235182

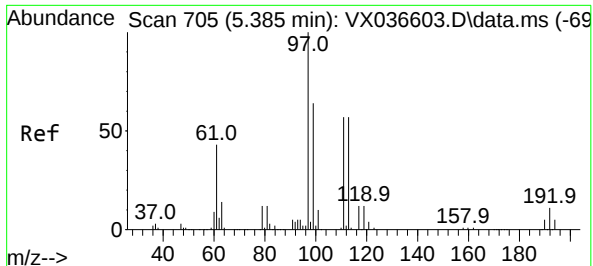
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 16.3 0.0 36.6

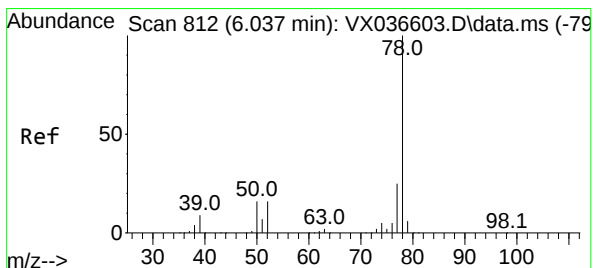
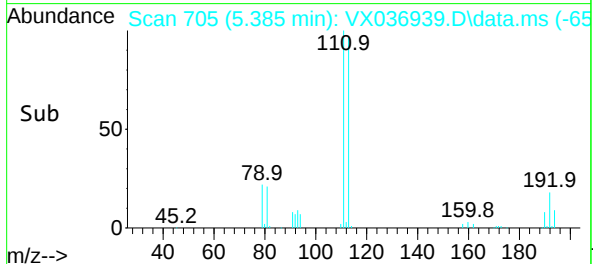
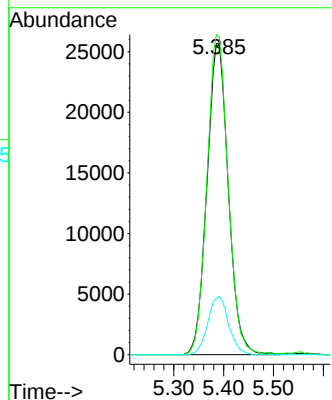
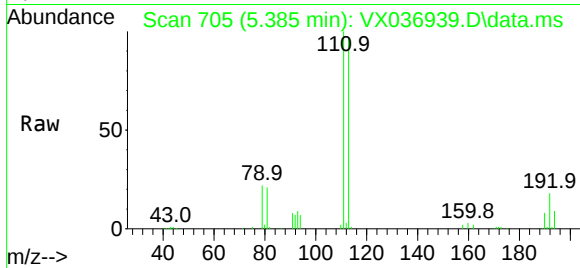




#35
Dibromofluoromethane
Concen: 47.362 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

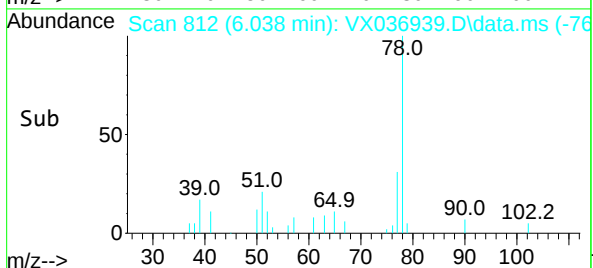
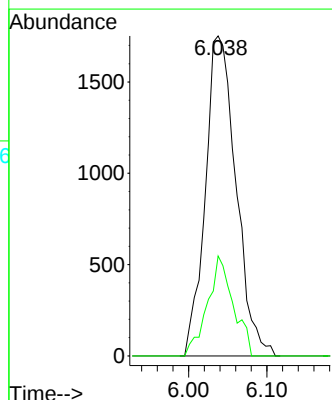
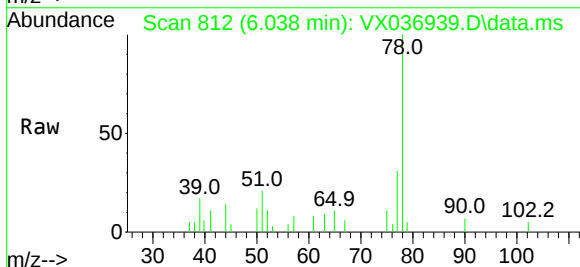
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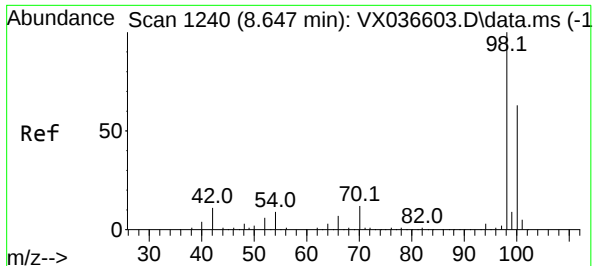
Tgt Ion:113 Resp: 76561
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 18.2 13.3 19.9



#40
Benzene
Concen: 0.680 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion: 78 Resp: 4766
Ion Ratio Lower Upper
78 100
77 31.2 19.3 28.9#

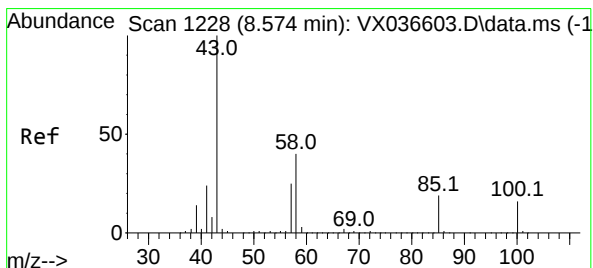
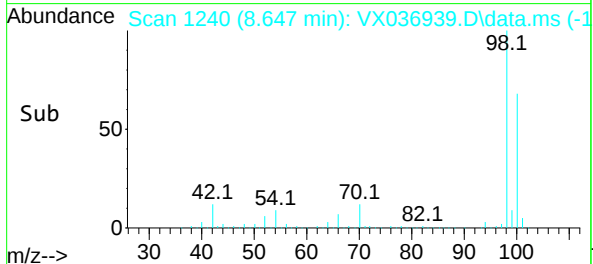
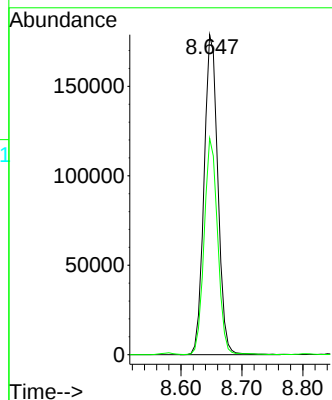
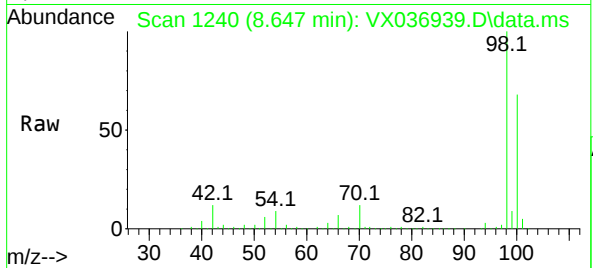




#50
Toluene-d8
Concen: 49.147 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

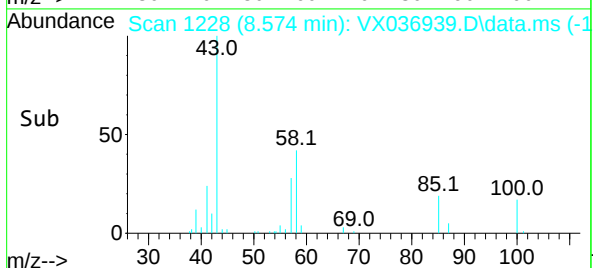
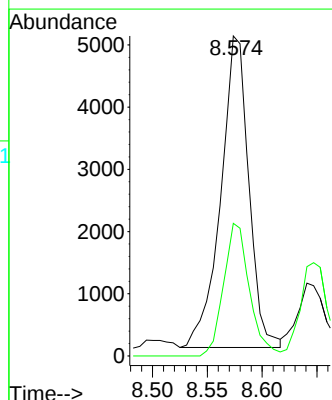
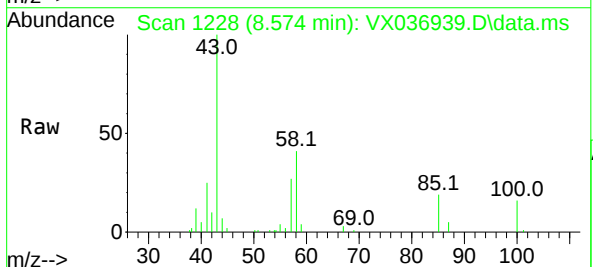
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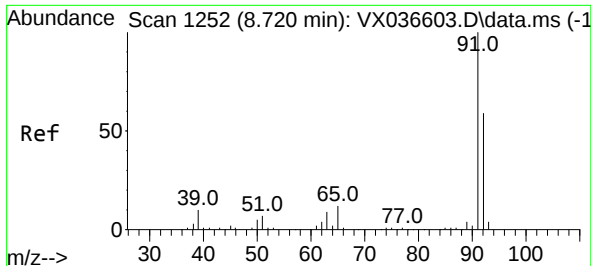
Tgt Ion: 98 Resp: 281737
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 3.434 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion: 43 Resp: 8920
Ion Ratio Lower Upper
43 100
58 39.1 30.4 45.6

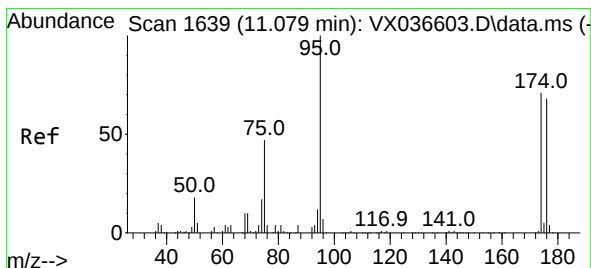
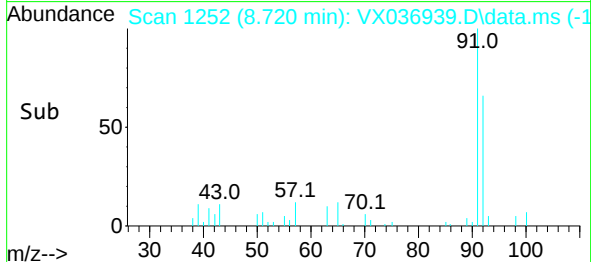
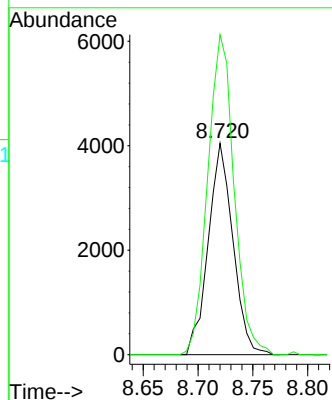
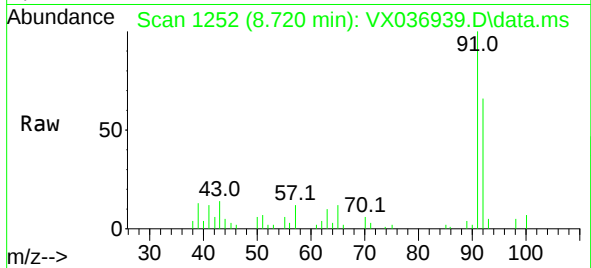




#52
Toluene
Concen: 1.443 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

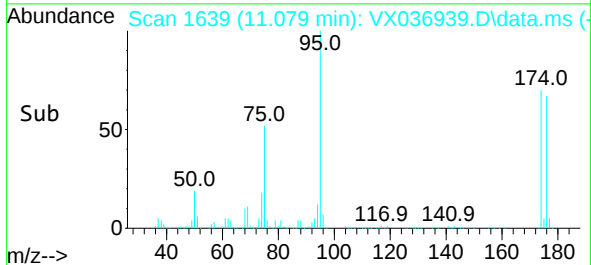
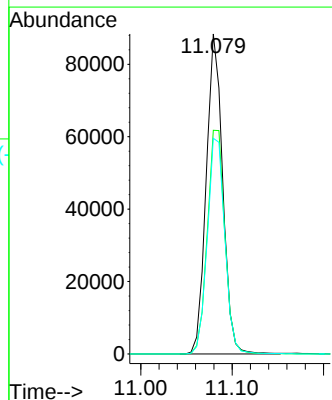
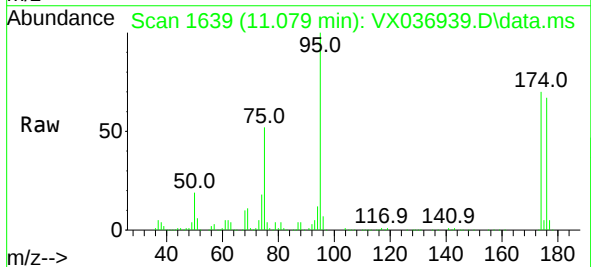
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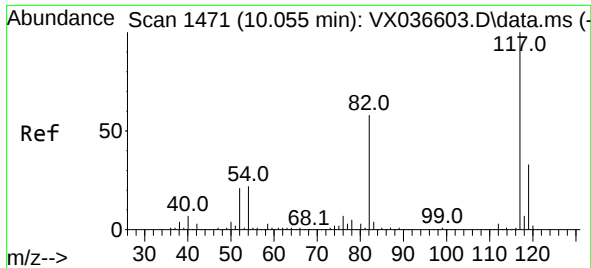
Tgt Ion: 92 Resp: 6340
Ion Ratio Lower Upper
92 100
91 161.7 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 51.005 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion: 95 Resp: 110313
Ion Ratio Lower Upper
95 100
174 74.3 0.0 135.6
176 71.6 0.0 131.0

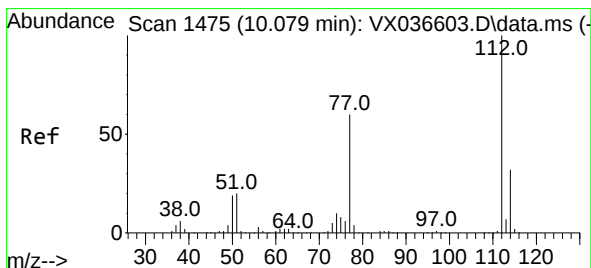
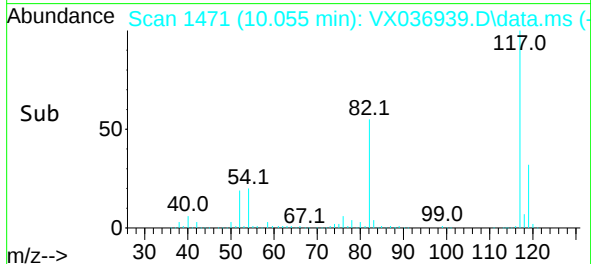
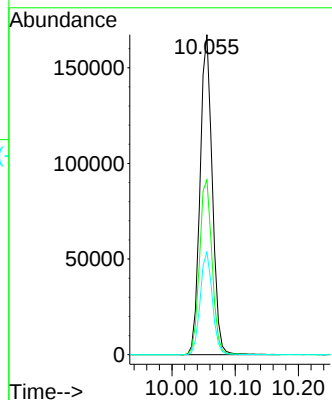
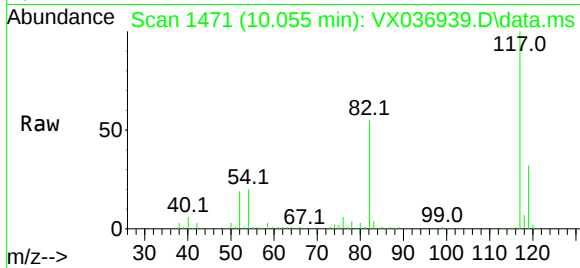




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

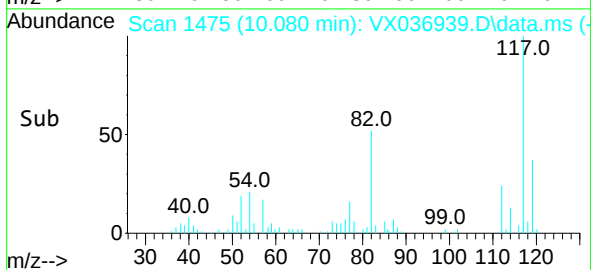
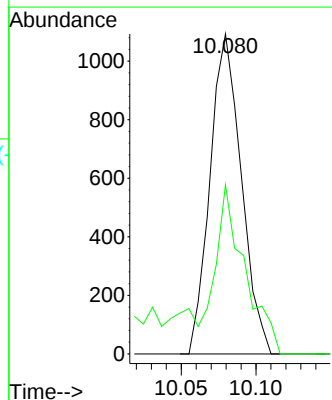
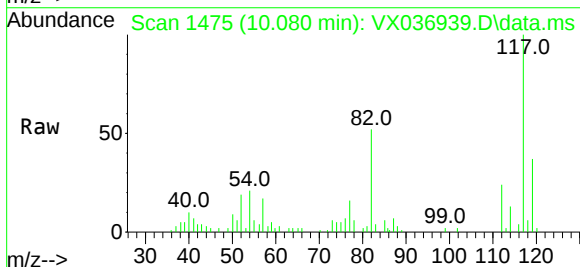
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

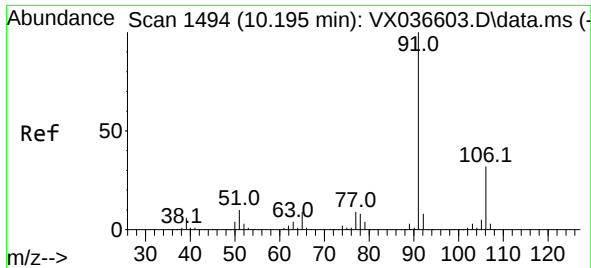
Tgt Ion:117 Resp: 225067
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 32.1 25.5 38.3



#65
Chlorobenzene
Concen: 0.320 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion:112 Resp: 1587
Ion Ratio Lower Upper
112 100
114 52.9 25.7 38.5#

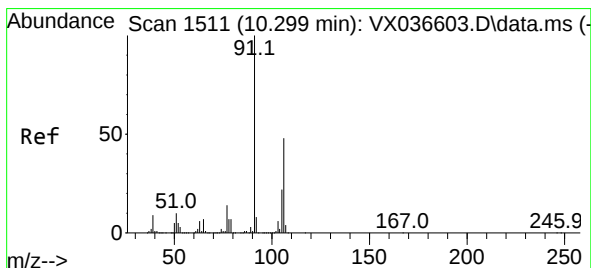
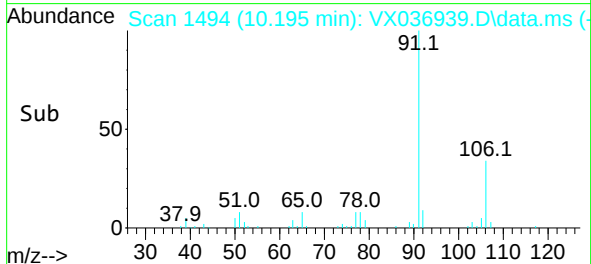
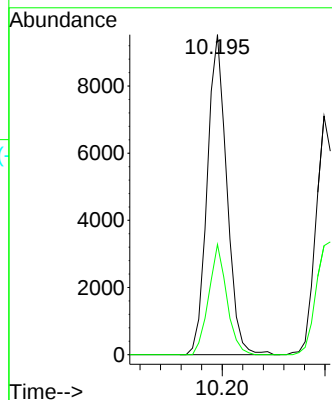
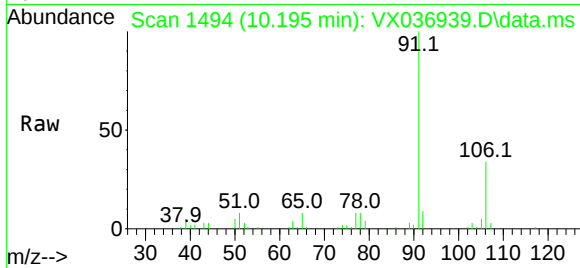




#67
Ethyl Benzene
Concen: 1.390 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

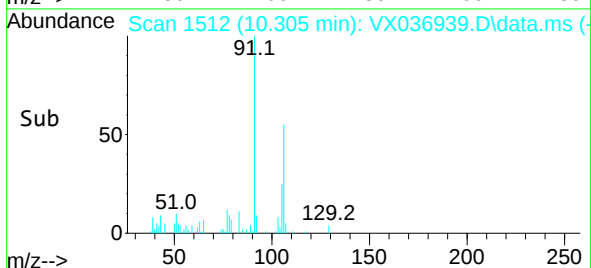
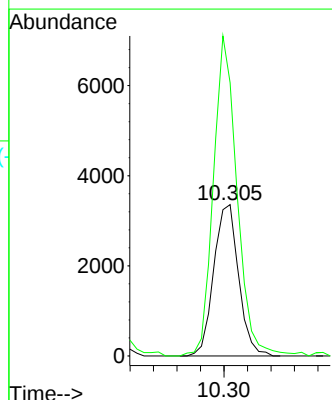
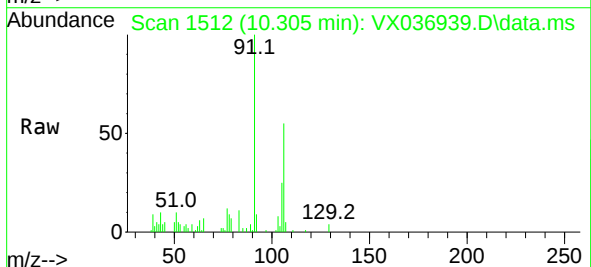
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

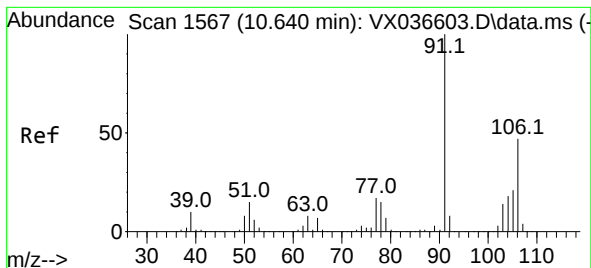
Tgt Ion: 91 Resp: 12595
Ion Ratio Lower Upper
91 100
106 34.4 24.9 37.3



#68
m/p-Xylenes
Concen: 1.459 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036939.D
Acq: 11 Aug 2023 14:27

Tgt Ion: 106 Resp: 4933
Ion Ratio Lower Upper
106 100
91 201.3 165.5 248.3





#69

o-Xylene

Concen: 1.055 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036939.D

Acq: 11 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

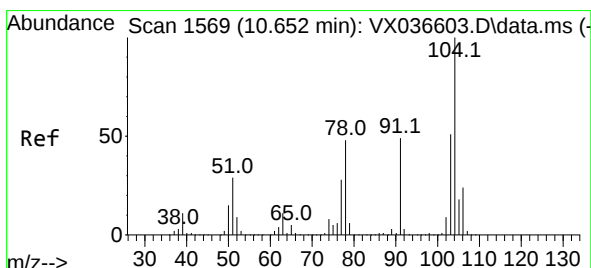
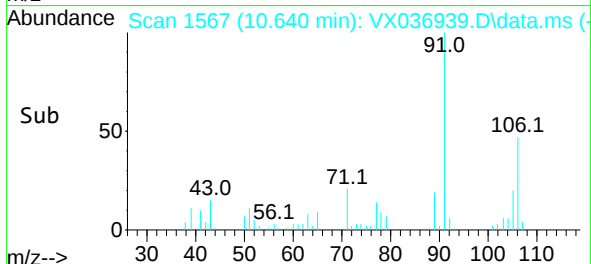
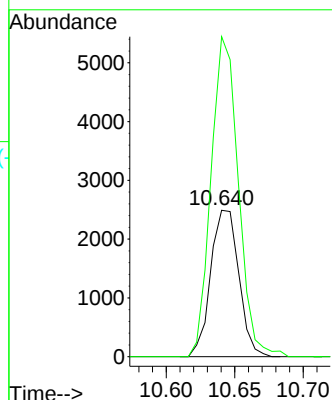
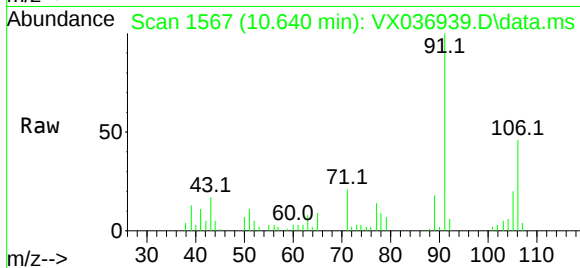
230809051-02-VOA

Tgt Ion:106 Resp: 3560

Ion Ratio Lower Upper

106 100

91 212.1 108.9 326.8



#70

Styrene

Concen: 0.251 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX036939.D

Acq: 11 Aug 2023 14:27

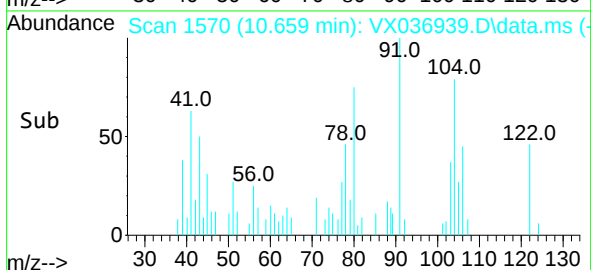
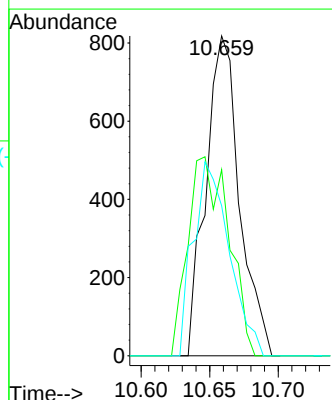
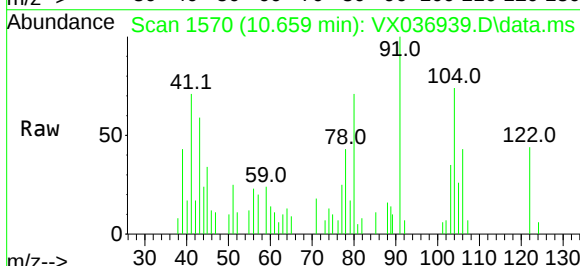
Tgt Ion:104 Resp: 1396

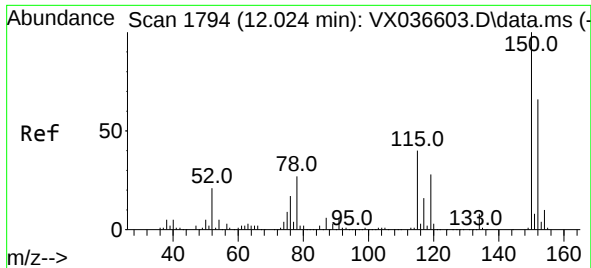
Ion Ratio Lower Upper

104 100

78 75.4 43.6 65.4#

103 64.8 43.6 65.4

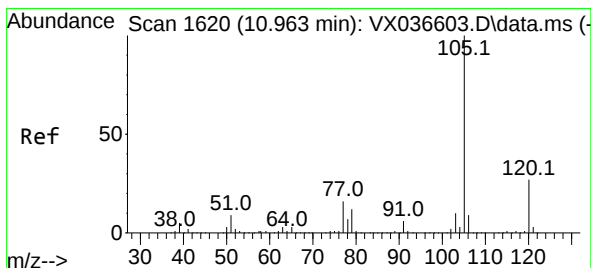
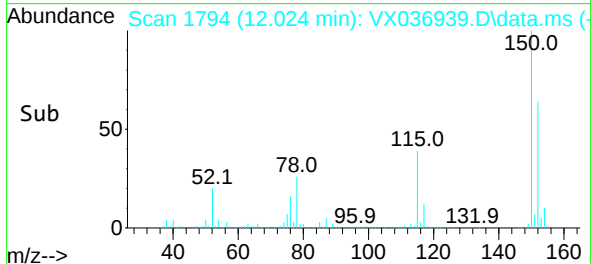
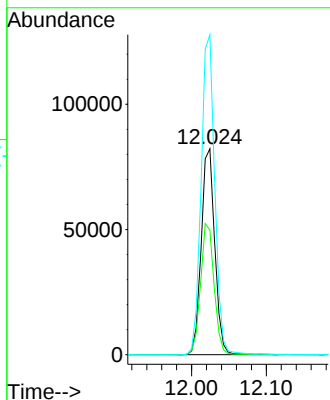
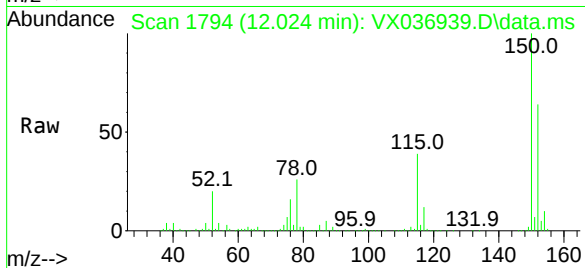




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036939.D
 Acq: 11 Aug 2023 14:27

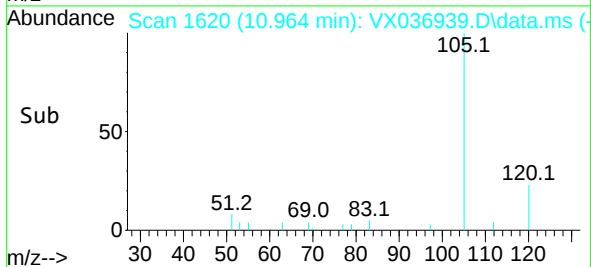
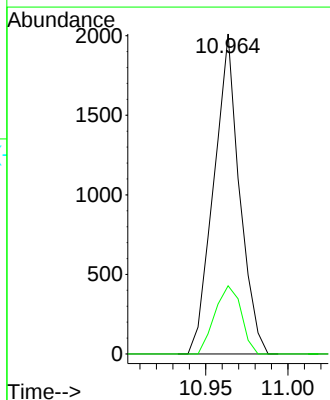
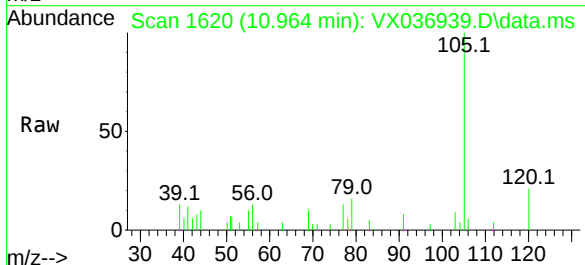
Instrument :
 MSVOA_X
 ClientSampleId :
 230809051-02-VOA

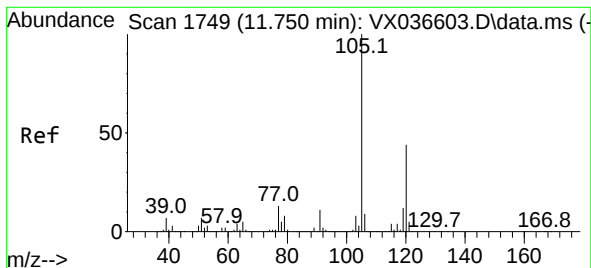
Tgt Ion:152 Resp: 103405
 Ion Ratio Lower Upper
 152 100
 115 63.6 43.3 129.9
 150 156.6 0.0 345.0



#73
 Isopropylbenzene
 Concen: 0.256 ug/l
 RT: 10.964 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX036939.D
 Acq: 11 Aug 2023 14:27

Tgt Ion:105 Resp: 2191
 Ion Ratio Lower Upper
 105 100
 120 21.8 12.9 38.6





#84

1,2,4-Trimethylbenzene

Concen: 0.552 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036939.D

Acq: 11 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

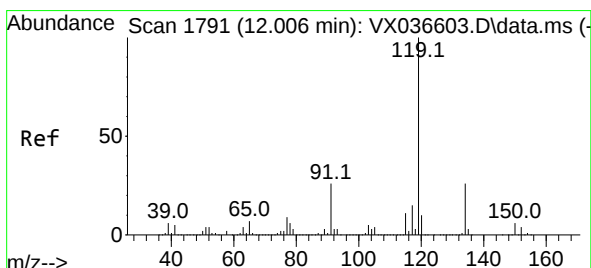
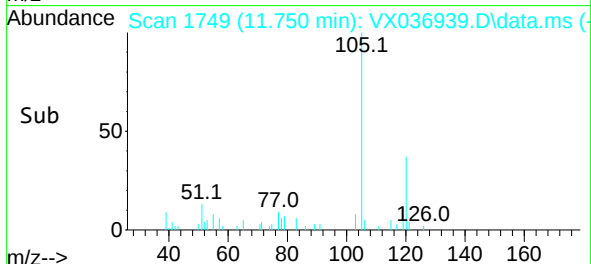
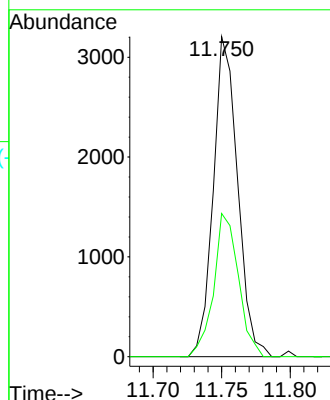
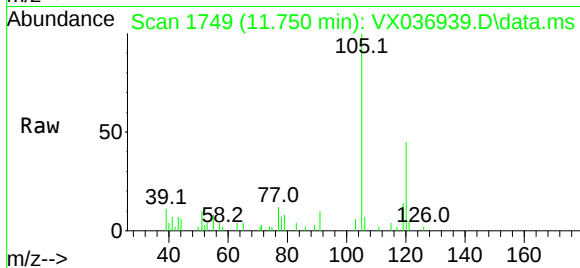
230809051-02-VOA

Tgt Ion:105 Resp: 3953

Ion Ratio Lower Upper

105 100

120 45.5 21.2 63.6



#86

p-Isopropyltoluene

Concen: 0.500 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX036939.D

Acq: 11 Aug 2023 14:27

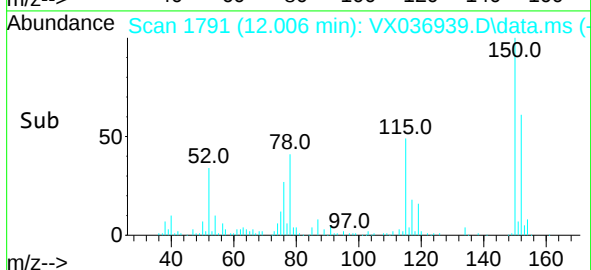
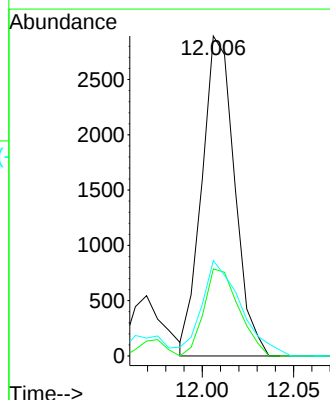
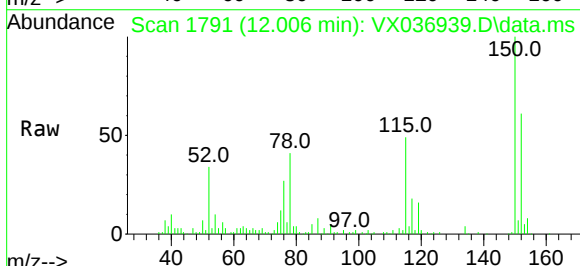
Tgt Ion:119 Resp: 3607

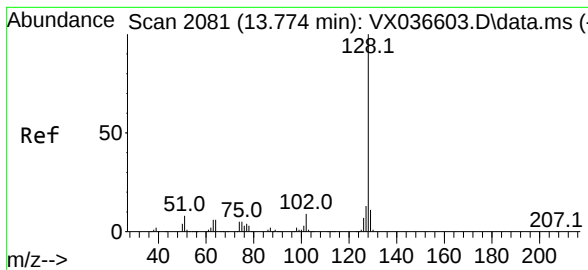
Ion Ratio Lower Upper

119 100

134 29.1 12.8 38.3

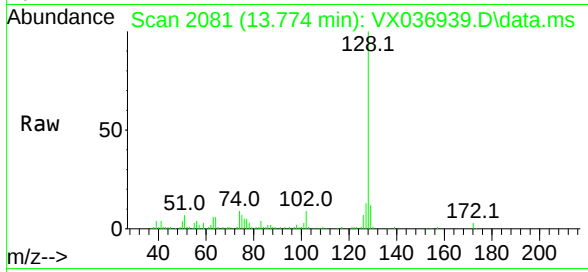
91 36.0 13.1 39.3





#95
 Naphthalene
 Concen: 3.565 ug/l
 RT: 13.774 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX036939.D
 Acq: 11 Aug 2023 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 230809051-02-VOA



Tgt Ion:	128	Resp:	26657
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.9	8.8	13.2

