

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037540.D
 Acq On : 06 Sep 2023 08:24
 Operator : JC/MD
 Sample : 04285-03 8000X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 832DL

Quant Time: Sep 06 08:58:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

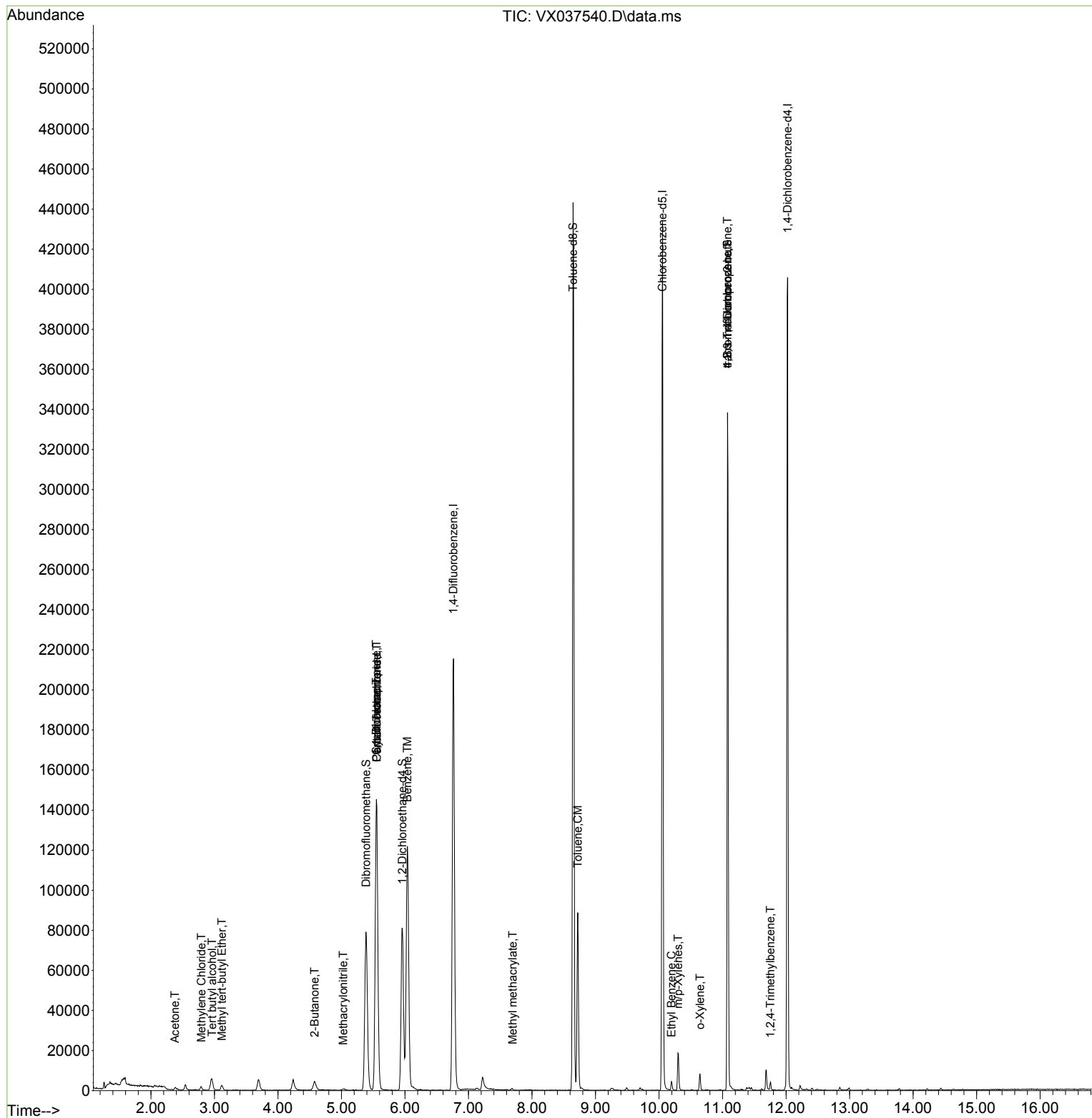
Internal Standards						
1) Pentafluorobenzene	5.556	168	140960	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	233346	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80557	39.640	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.280%
35) Dibromofluoromethane	5.385	113	70906	45.882	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.760%
50) Toluene-d8	8.647	98	273294	48.753	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.500%
62) 4-Bromofluorobenzene	11.079	95	96572	43.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.680%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.965	59	5421	11.372	ug/l	# 96
16) Acetone	2.380	43	1477	1.858	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	2954	0.537	ug/l	98
20) Methylene Chloride	2.794	84	1047	0.589	ug/l	# 75
25) 2-Butanone	4.574	43	751	0.627	ug/l	# 51
31) Cyclohexane	5.550	56	2572	1.126	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	10706	4.876	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	14713	6.169	ug/l	# 15
40) Benzene	6.037	78	159901	25.393	ug/l	98
41) Methacrylonitrile	5.025	41	274	0.235	ug/l	# 29
48) Methyl methacrylate	7.696	41	396	0.228	ug/l	# 46
52) Toluene	8.720	92	36295	8.724	ug/l	100
67) Ethyl Benzene	10.195	91	2871	0.372	ug/l	94
68) m/p-Xylenes	10.299	106	4544	1.526	ug/l	92
69) o-Xylene	10.646	106	1938	0.660	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	46180	23.663	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	46180	66.091	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2241	0.399	ug/l	97

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

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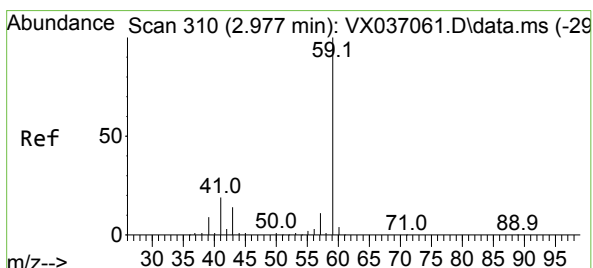
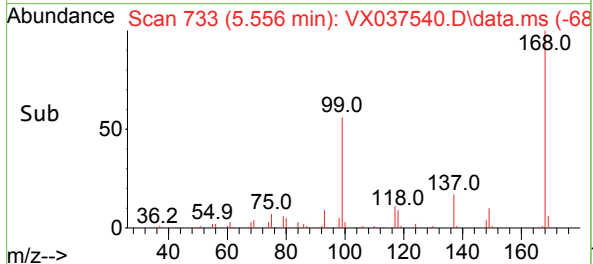
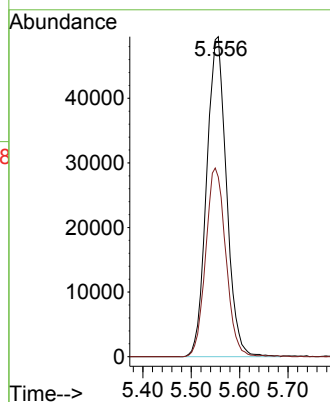
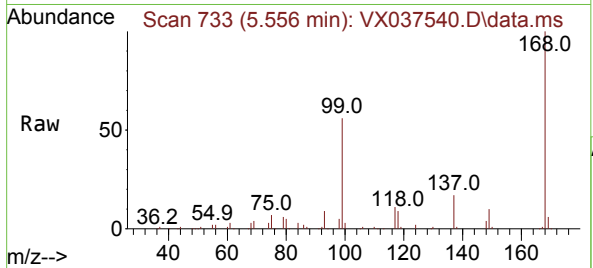




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

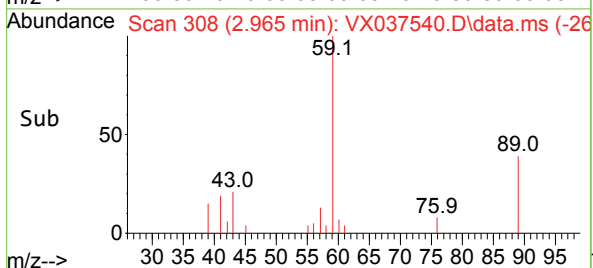
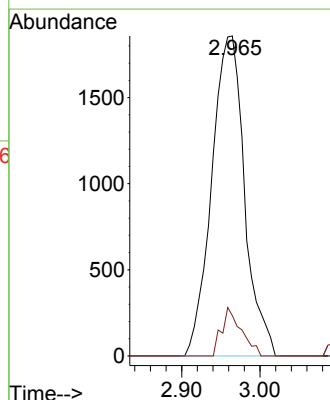
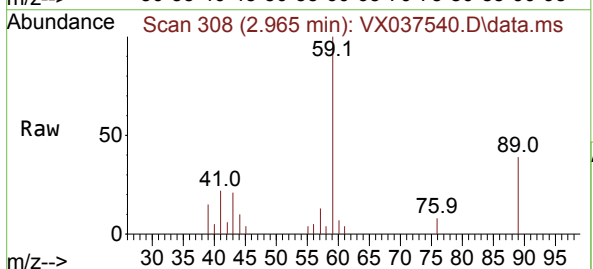
Instrument :
MSVOA_X
ClientSampleId :
832DL

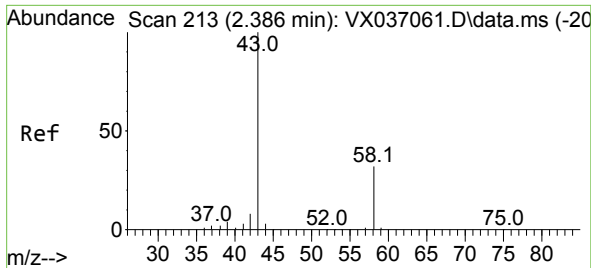
Tgt Ion:168 Resp: 140960
Ion Ratio Lower Upper
168 100
99 56.2 56.6 85.0#



#11
Tert butyl alcohol
Concen: 11.372 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 59 Resp: 5421
Ion Ratio Lower Upper
59 100
57 9.0 6.0 9.0#

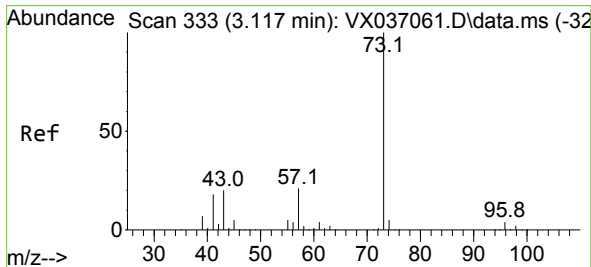
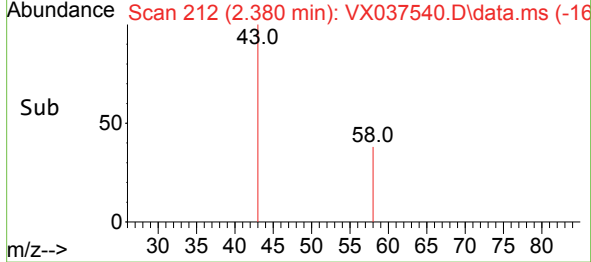
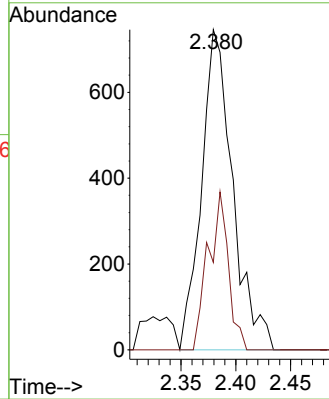
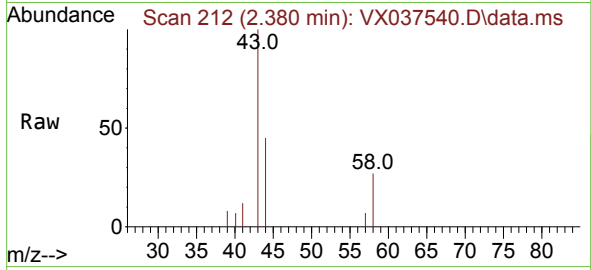




#16
Acetone
Concen: 1.858 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

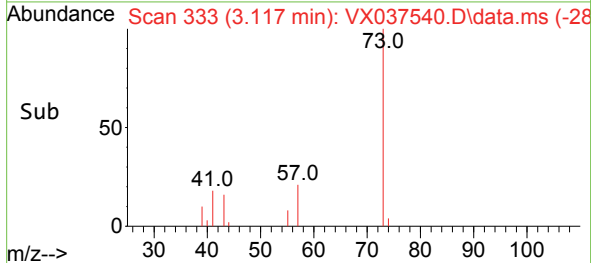
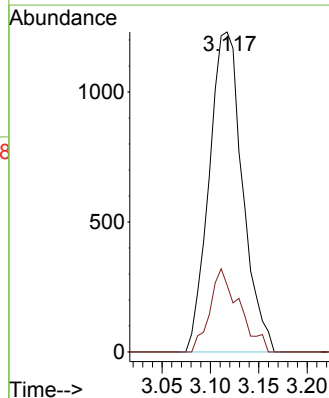
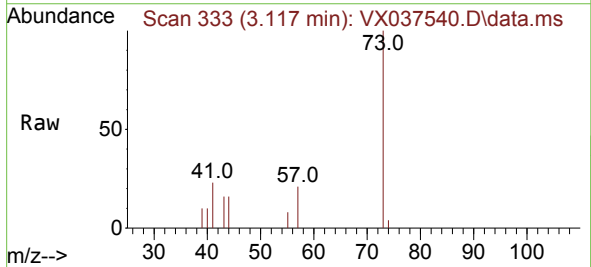
Instrument :
MSVOA_X
ClientSampleId :
832DL

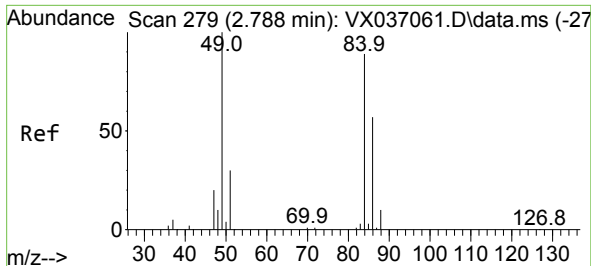
Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
58 27.3 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.537 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 73 Resp: 2954
Ion Ratio Lower Upper
73 100
57 20.9 17.3 25.9

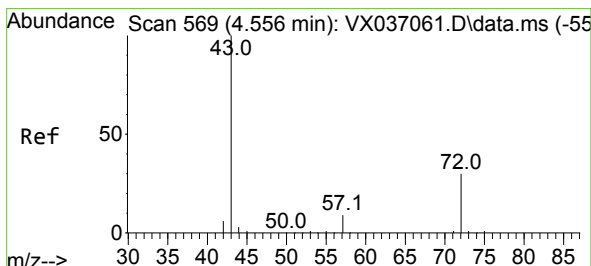
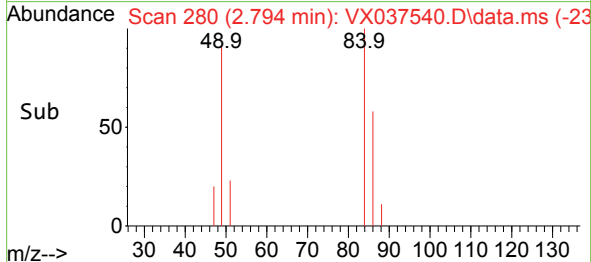
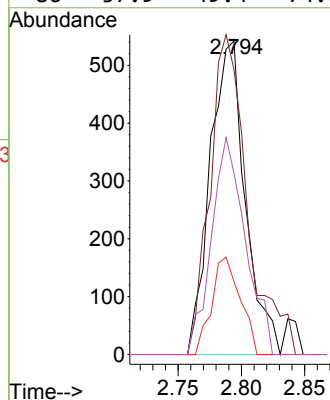
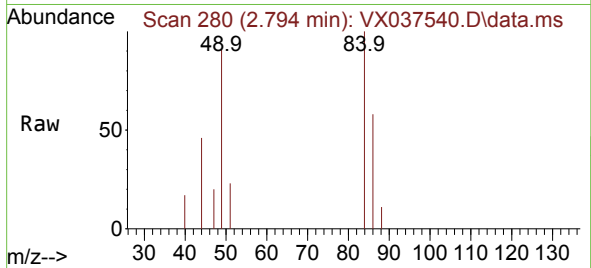




#20
Methylene Chloride
Concen: 0.589 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

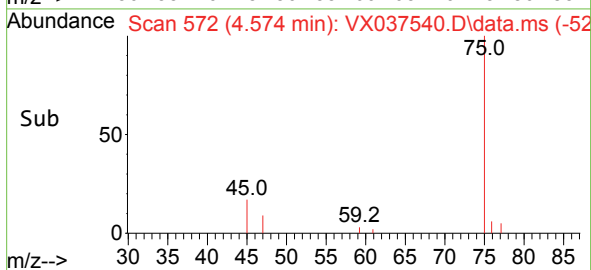
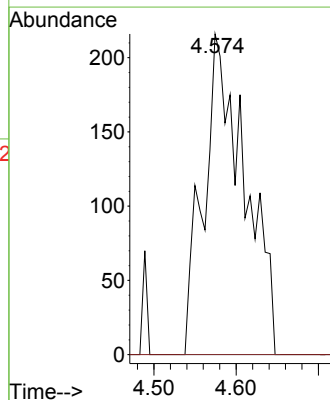
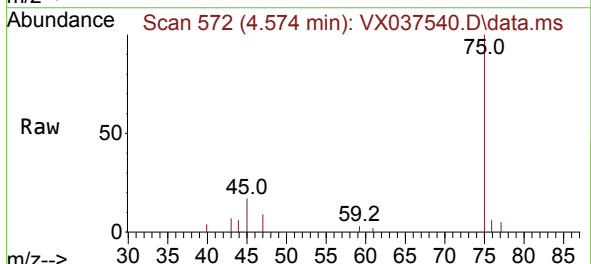
Instrument :
MSVOA_X
ClientSampleId :
832DL

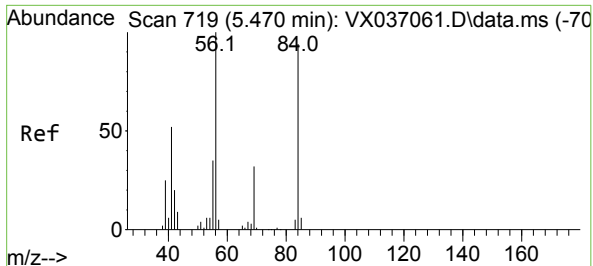
Tgt Ion:	84	Resp:	1047
Ion	Ratio	Lower	Upper
84	100		
49	91.0	103.6	155.4#
51	23.2	33.8	50.6#
86	57.9	49.4	74.0



#25
2-Butanone
Concen: 0.627 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

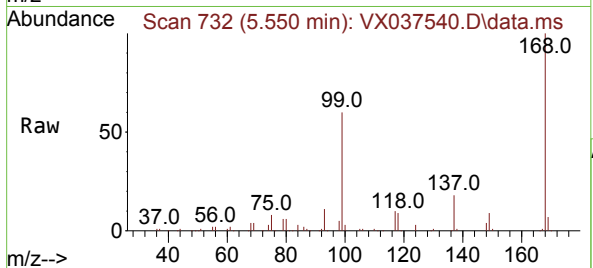
Tgt Ion:	43	Resp:	751
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#



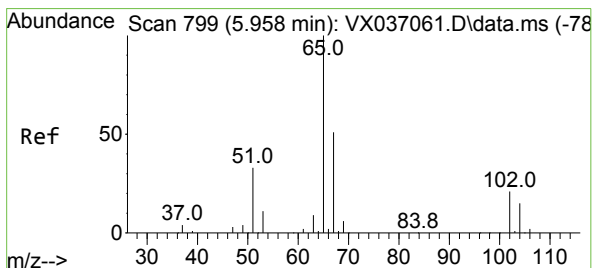
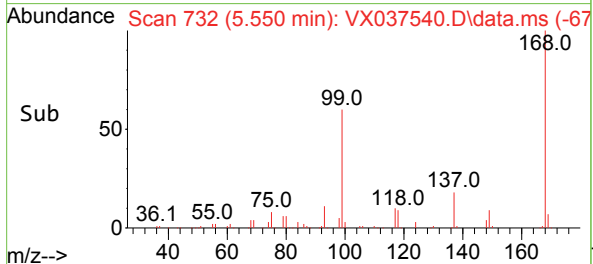
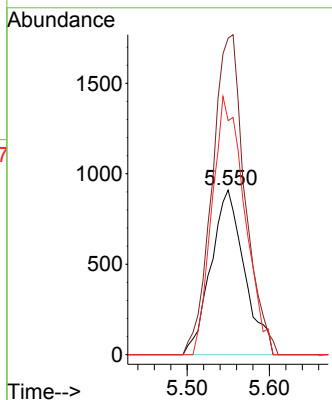


#31
Cyclohexane
Concen: 1.126 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Instrument :
MSVOA_X
ClientSampleId :
832DL

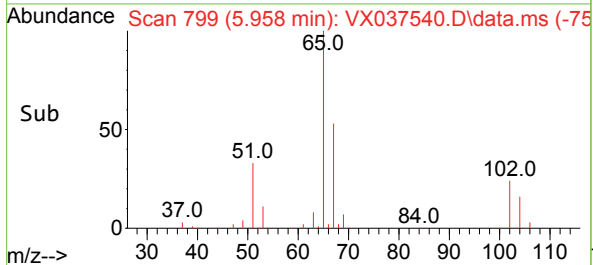
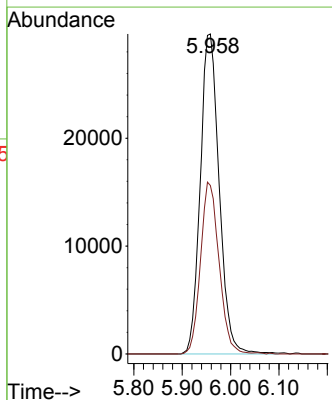
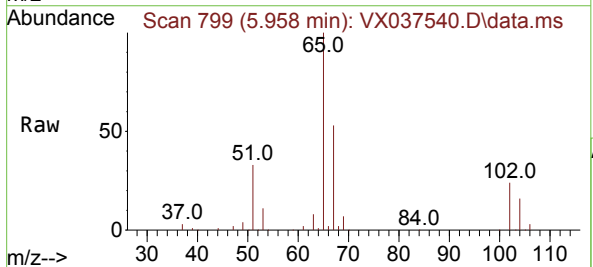


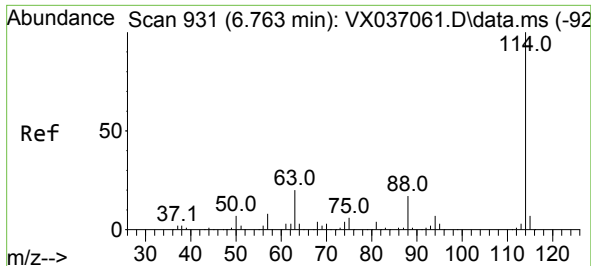
Tgt Ion: 56 Resp: 2572
Ion Ratio Lower Upper
56 100
69 192.3 23.4 35.2#
84 142.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.640 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 65 Resp: 80557
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2

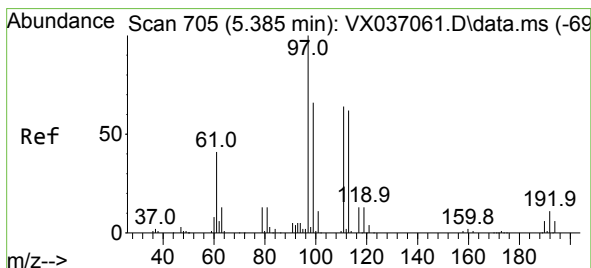
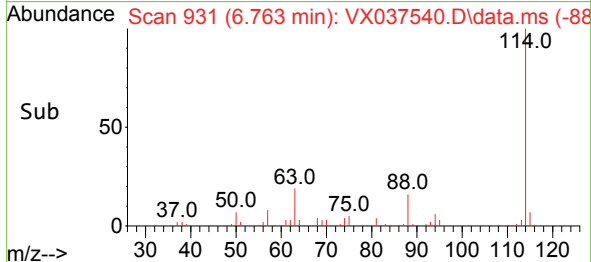
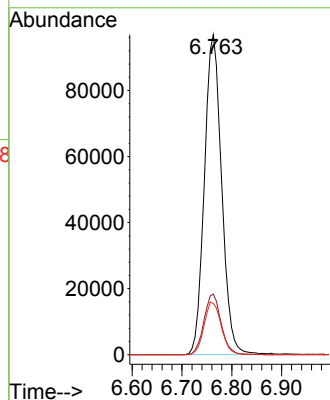
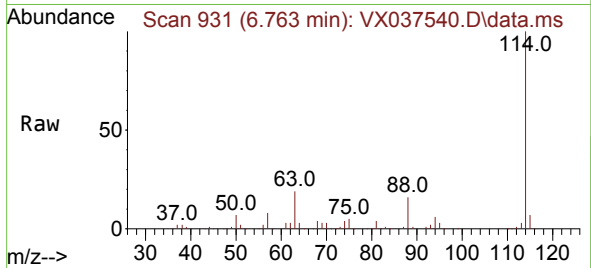




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

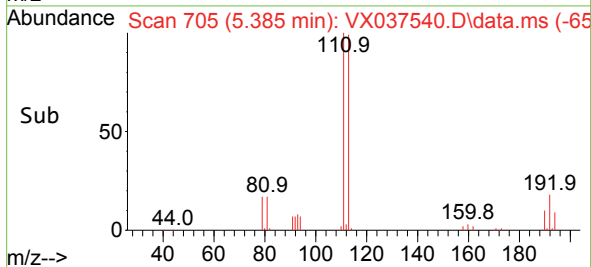
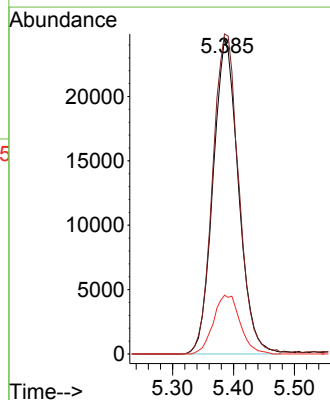
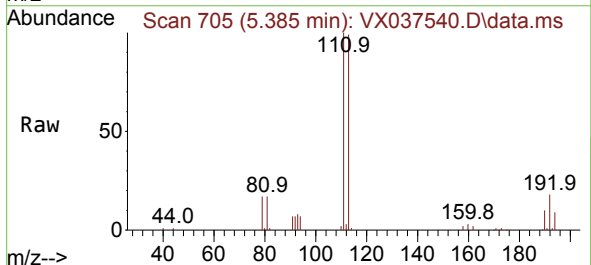
Instrument :
MSVOA_X
ClientSampleId :
832DL

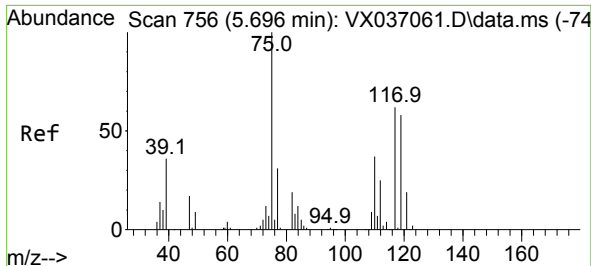
Tgt Ion:114 Resp: 233346
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.882 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion:113 Resp: 70906
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 19.6 13.3 19.9

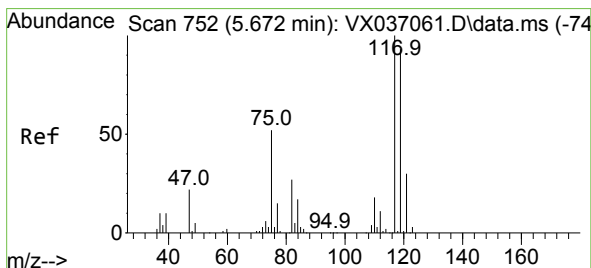
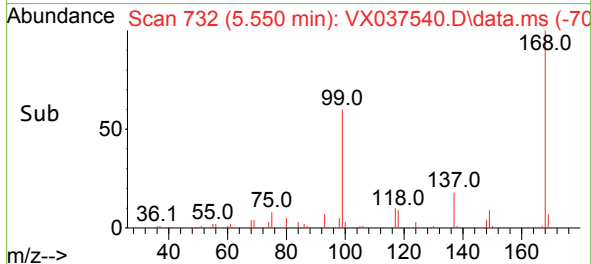
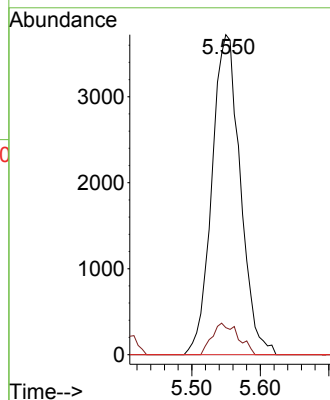
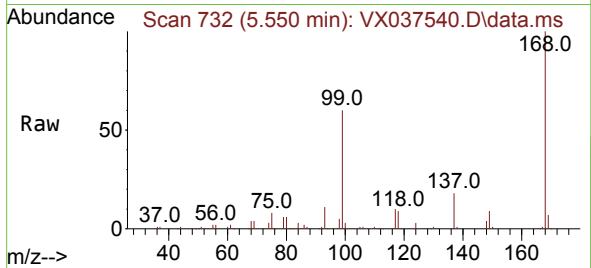




#36
1,1-Dichloropropene
Concen: 4.876 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

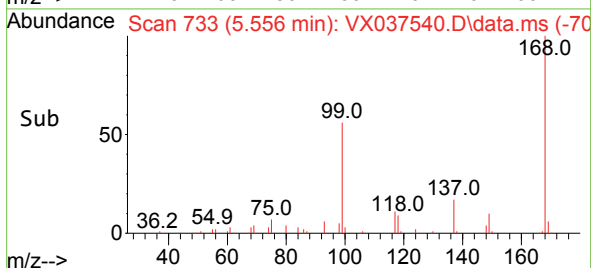
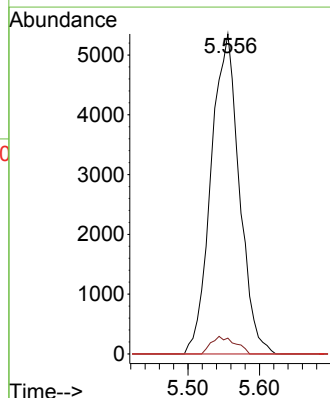
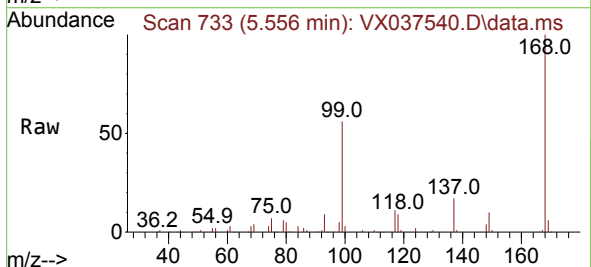
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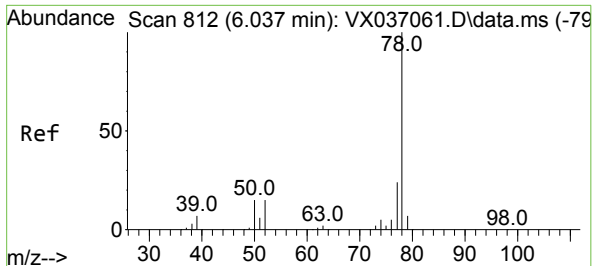
Tgt Ion: 75 Resp: 10706
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.169 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 117 Resp: 14713
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

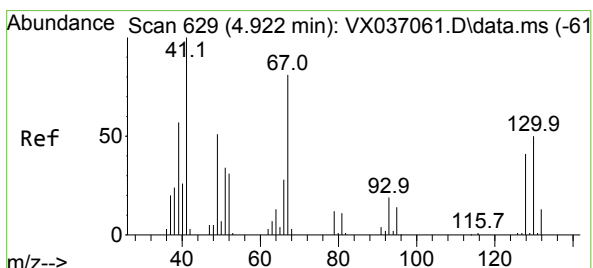
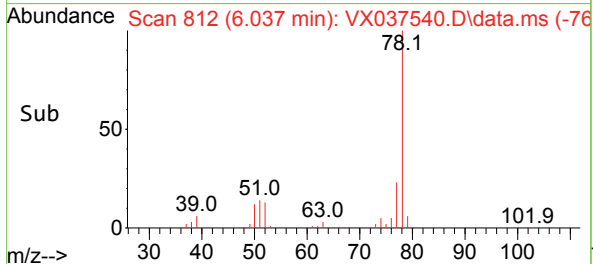
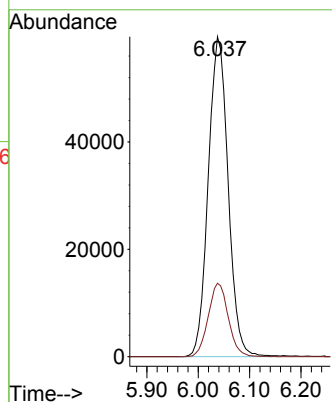
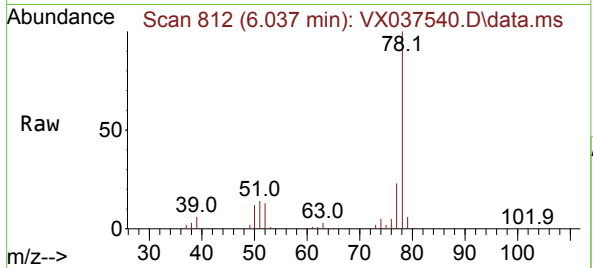




#40
Benzene
Concen: 25.393 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

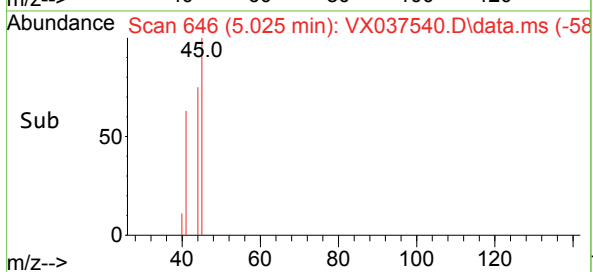
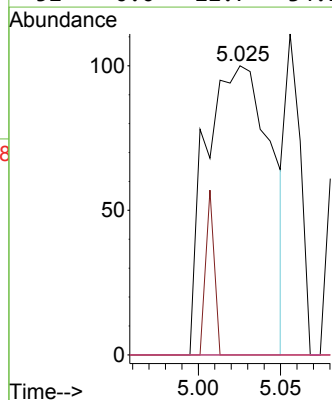
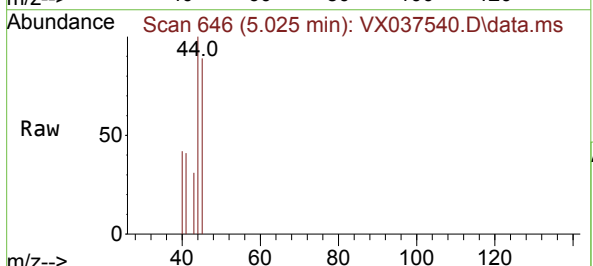
Instrument :
MSVOA_X
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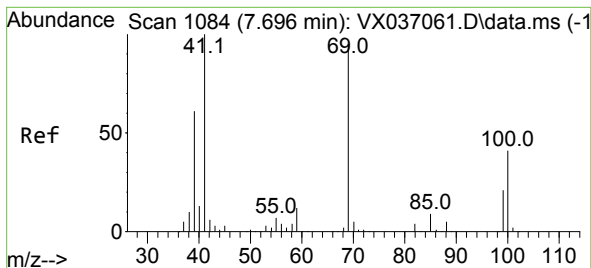
Tgt Ion: 78 Resp: 159901
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9



#41
Methacrylonitrile
Concen: 0.235 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 41 Resp: 274
Ion Ratio Lower Upper
41 100
39 7.7 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#





#48

Methyl methacrylate

Concen: 0.228 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.000 min

Lab File: VX037540.D

Acq: 06 Sep 2023 08:24

Instrument :

MSVOA_X

ClientSampleId :

832DL

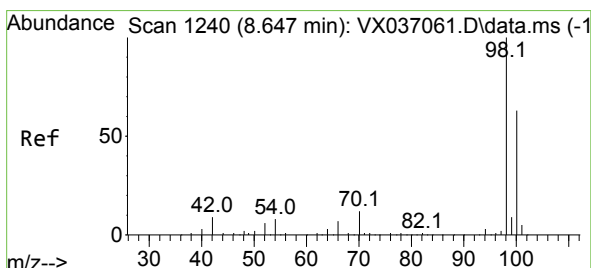
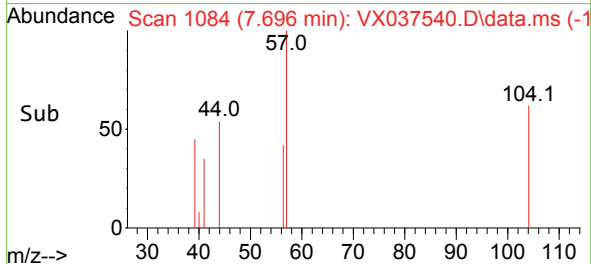
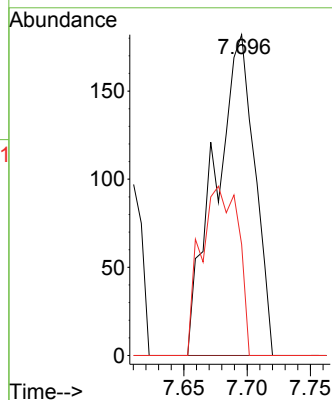
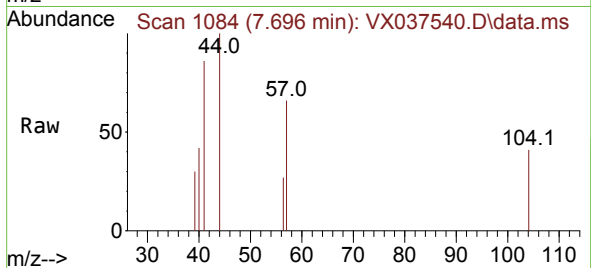
Tgt Ion: 41 Resp: 396

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 50.0 47.7 71.5



#50

Toluene-d8

Concen: 48.753 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037540.D

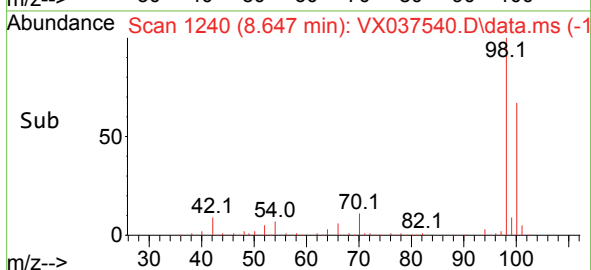
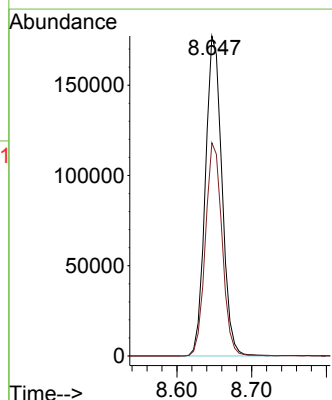
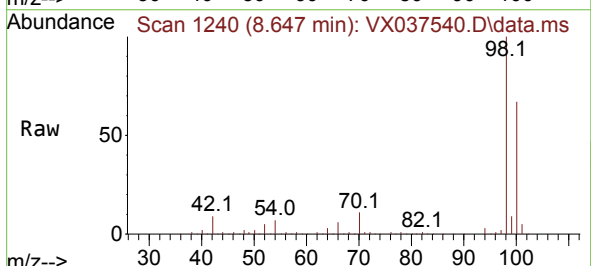
Acq: 06 Sep 2023 08:24

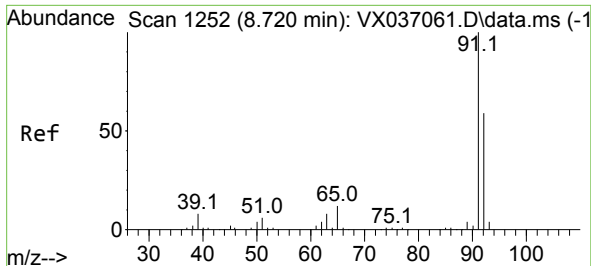
Tgt Ion: 98 Resp: 273294

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7

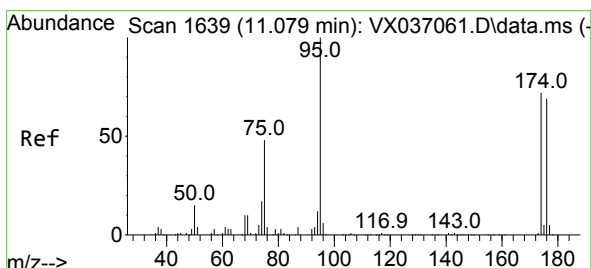
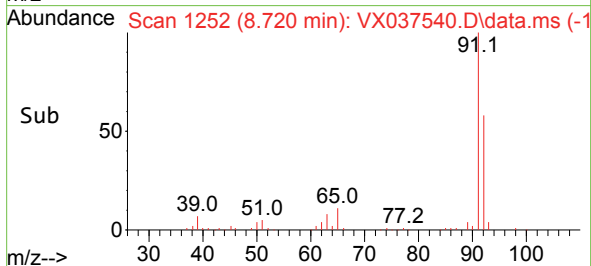
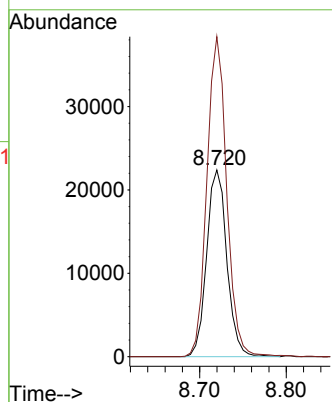
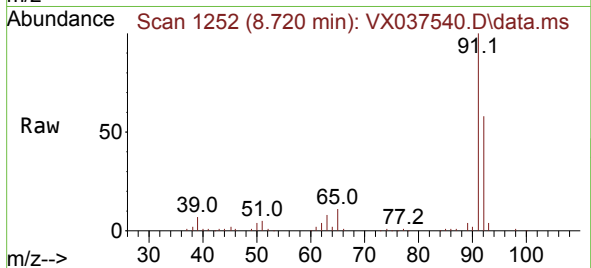




#52
Toluene
Concen: 8.724 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

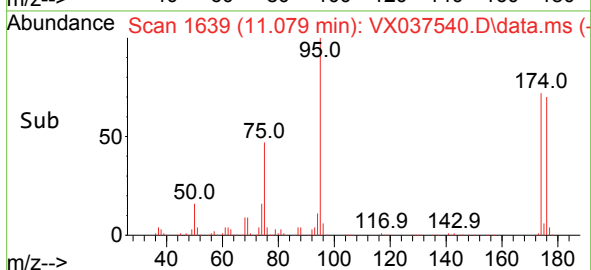
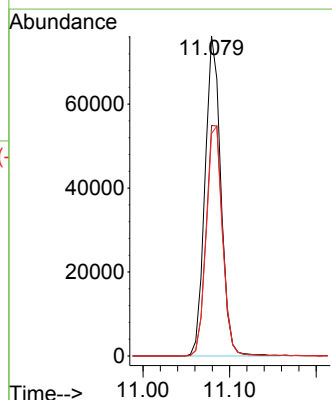
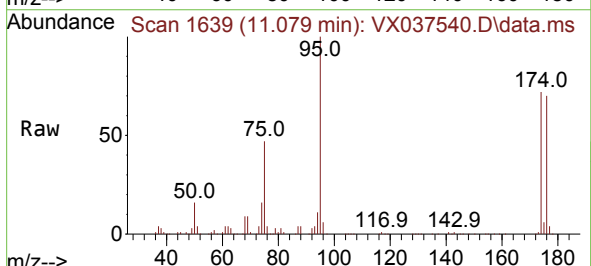
Instrument :
MSVOA_X
ClientSampleId :
832DL

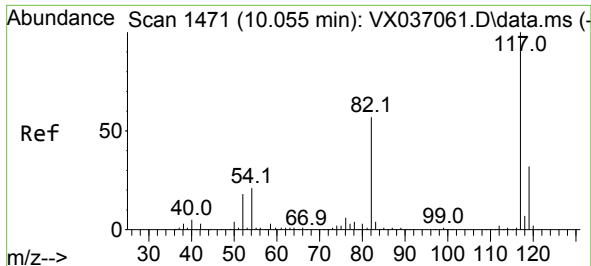
Tgt Ion: 92 Resp: 36295
Ion Ratio Lower Upper
92 100
91 168.0 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 43.837 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 95 Resp: 96572
Ion Ratio Lower Upper
95 100
174 75.7 0.0 135.6
176 73.3 0.0 131.0

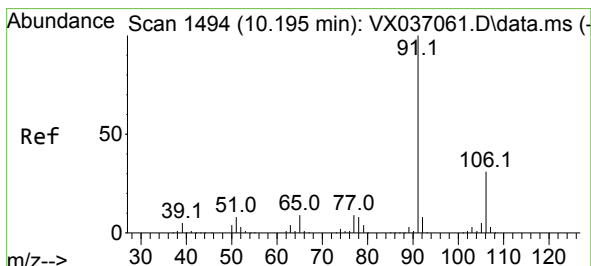
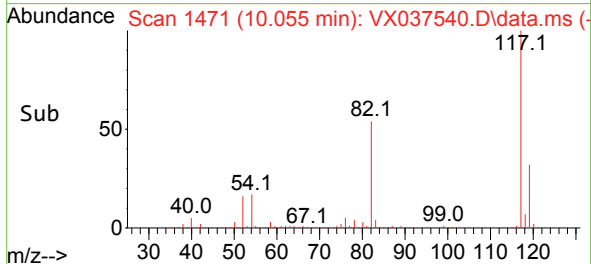
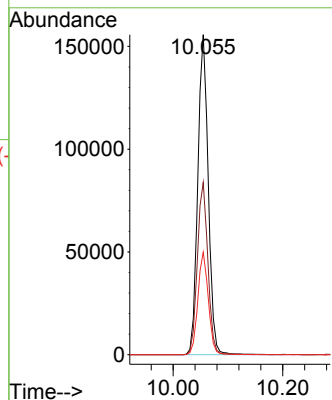
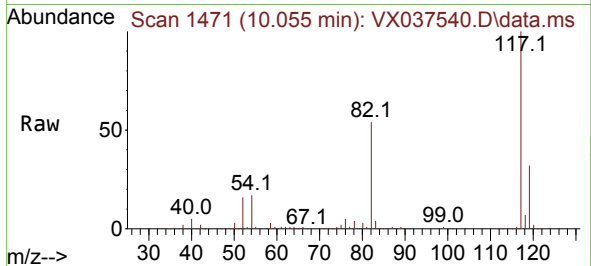




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

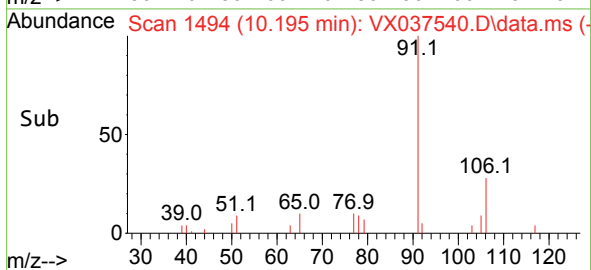
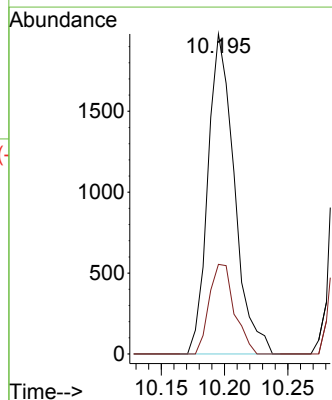
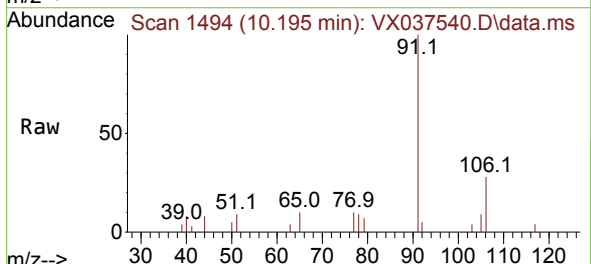
Instrument :
MSVOA_X
ClientSampleId :
832DL

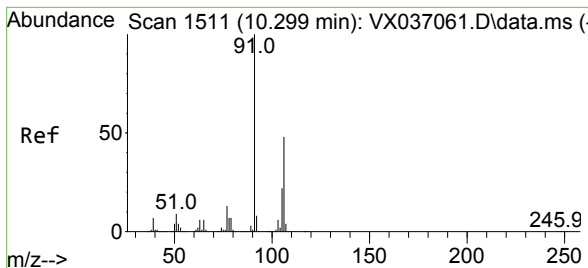
Tgt Ion:117 Resp: 207362
Ion Ratio Lower Upper
117 100
82 53.8 46.2 69.4
119 32.1 25.5 38.3



#67
Ethyl Benzene
Concen: 0.372 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 91 Resp: 2871
Ion Ratio Lower Upper
91 100
106 28.0 24.9 37.3

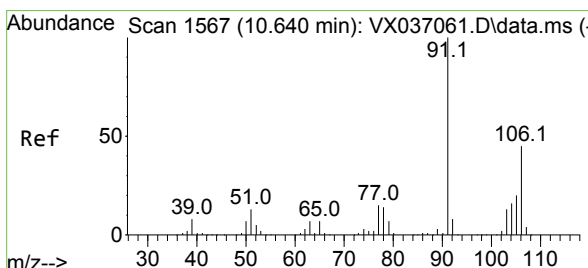
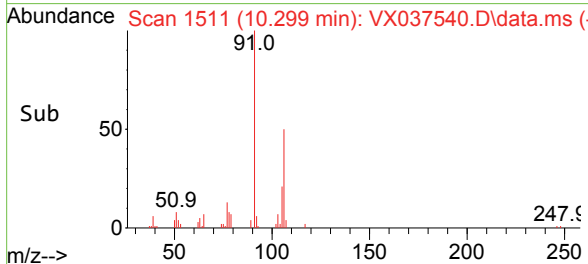
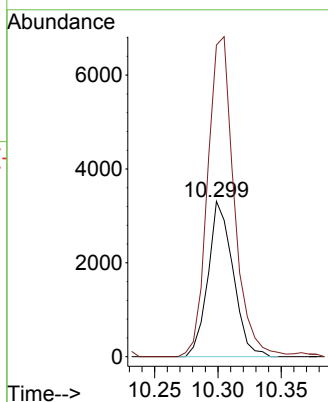
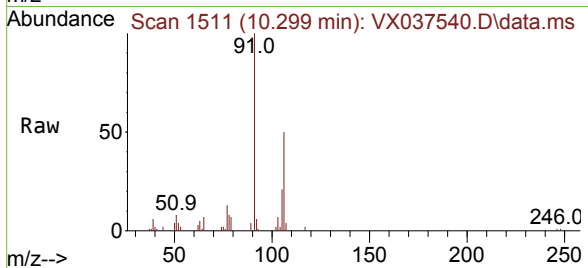




#68
m/p-Xylenes
Concen: 1.526 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

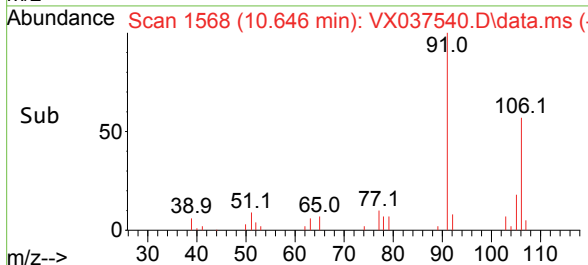
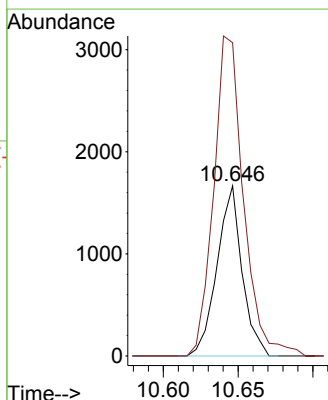
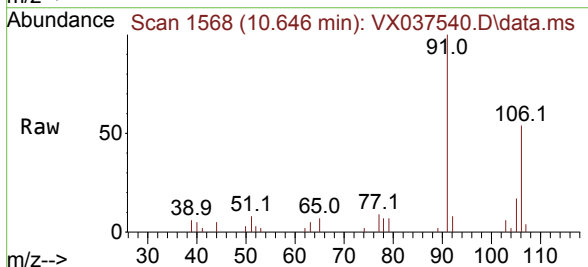
Instrument :
MSVOA_X
ClientSampleId :
832DL

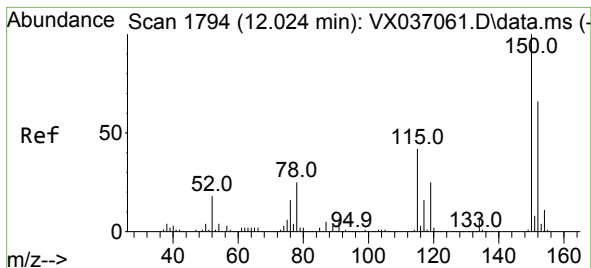
Tgt Ion:106 Resp: 4544
Ion Ratio Lower Upper
106 100
91 218.9 165.5 248.3



#69
o-Xylene
Concen: 0.660 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion:106 Resp: 1938
Ion Ratio Lower Upper
106 100
91 224.0 108.9 326.8

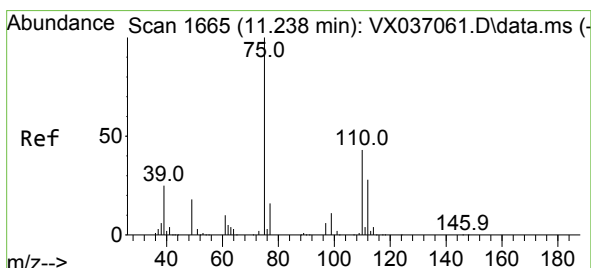
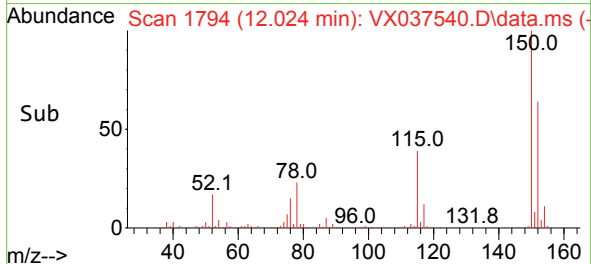
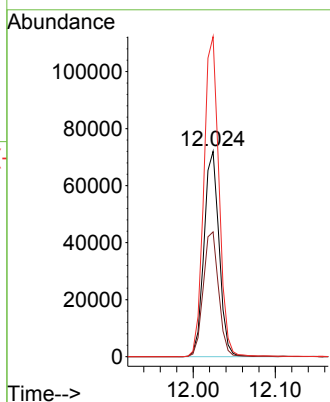
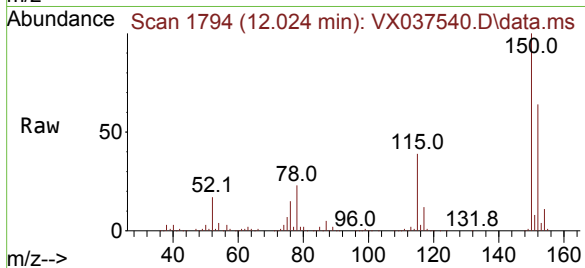




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

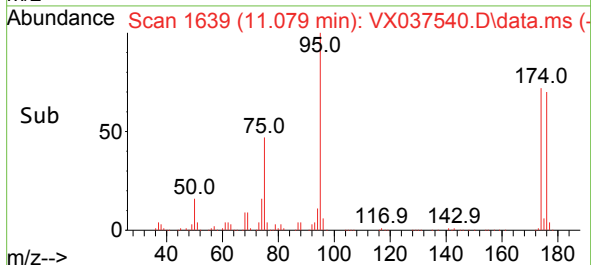
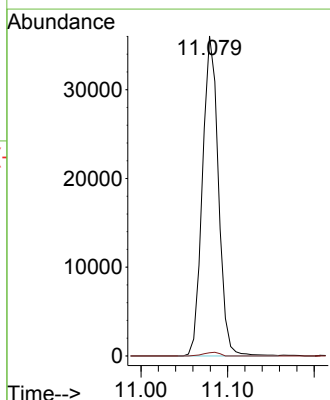
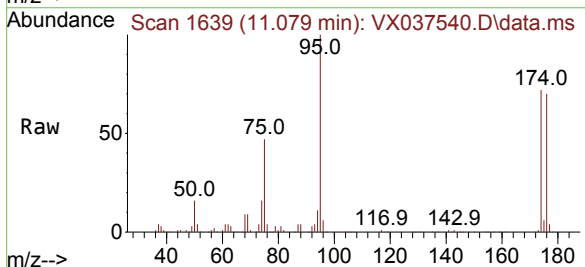
Instrument :
MSVOA_X
ClientSampleId :
832DL

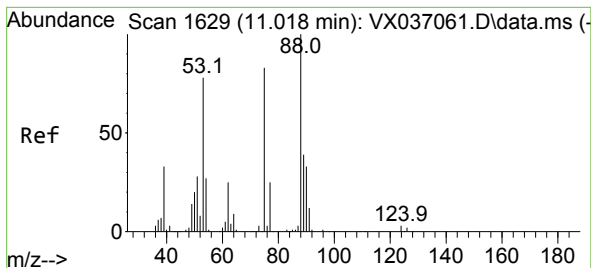
Tgt Ion:152 Resp: 91638
Ion Ratio Lower Upper
152 100
115 62.0 43.3 129.9
150 156.8 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.663 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 75 Resp: 46180
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

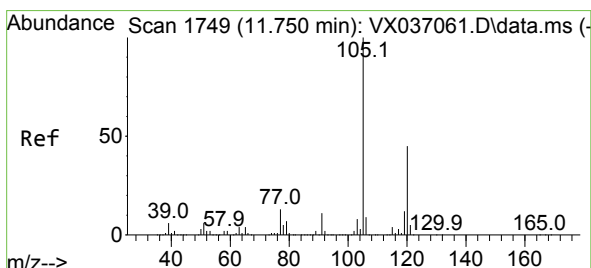
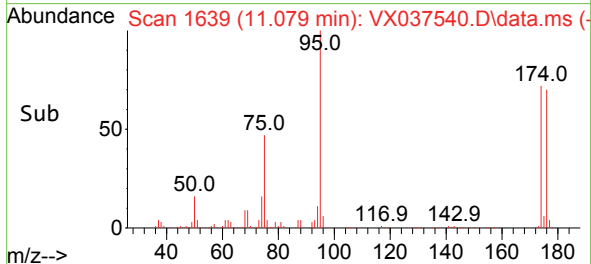
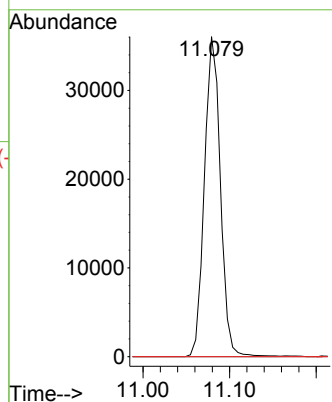
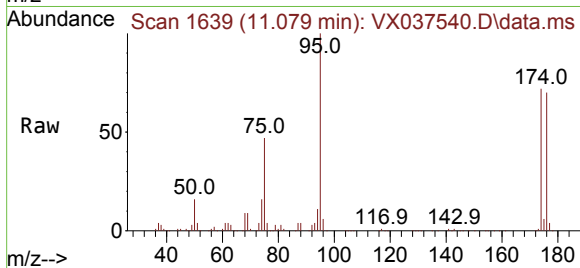




#81
trans-1,4-Dichloro-2-butene
Concen: 66.091 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Instrument :
MSVOA_X
ClientSampleId :
832DL

Tgt Ion: 75 Resp: 46180
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.399 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX037540.D
Acq: 06 Sep 2023 08:24

Tgt Ion: 105 Resp: 2241
Ion Ratio Lower Upper
105 100
120 40.2 21.2 63.6

