

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070723\
 Data File : VX036471.D
 Acq On : 07 Jul 2023 19:49
 Operator : JC/MD
 Sample : 03549-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 60102

Quant Time: Jul 07 23:10:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

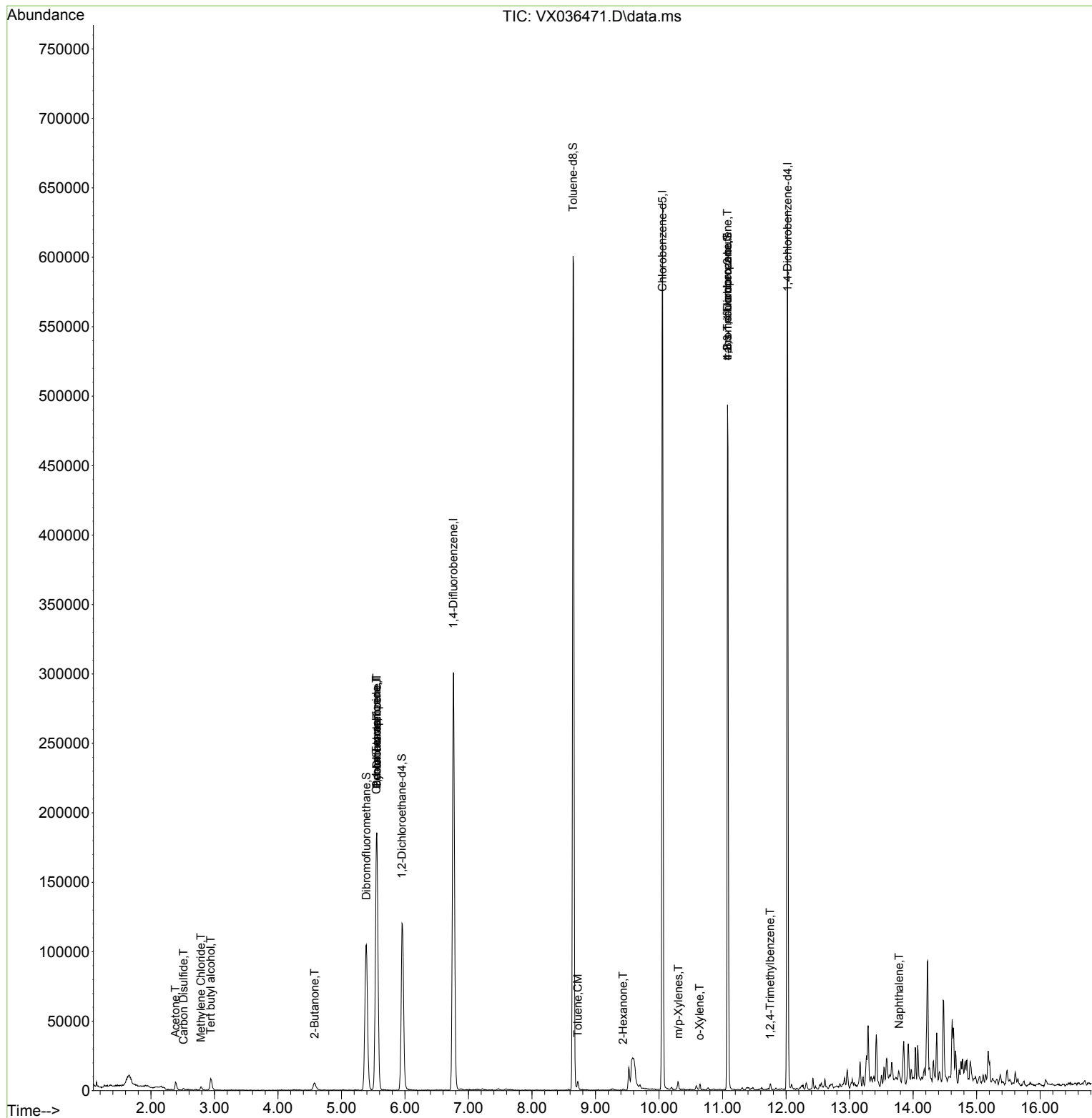
Internal Standards						
1) Pentafluorobenzene	5.556	168	173742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	296602	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115400	46.337	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.680%
35) Dibromofluoromethane	5.391	113	92582	47.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.680%
50) Toluene-d8	8.647	98	363957	49.826	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.660%
62) 4-Bromofluorobenzene	11.079	95	131562	51.133	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	5086	11.219	ug/l #	84
16) Acetone	2.386	43	6736	6.328	ug/l	98
17) Carbon Disulfide	2.514	76	1771	0.365	ug/l #	76
20) Methylene Chloride	2.788	84	1079	0.471	ug/l #	94
25) 2-Butanone	4.574	43	2152	1.407	ug/l #	77
31) Cyclohexane	5.556	56	3809	1.193	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	14593	5.006	ug/l #	51
38) Carbon Tetrachloride	5.550	117	18202	6.836	ug/l #	14
52) Toluene	8.720	92	2134	0.413	ug/l	95
59) 2-Hexanone	9.433	43	662	0.297	ug/l	87
68) m/p-Xylenes	10.305	106	1282	0.318	ug/l	97
69) o-Xylene	10.640	106	878	0.226	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	68578	24.556	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	68578	80.045	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	2047	0.248	ug/l	99
95) Naphthalene	13.780	128	5605	0.627	ug/l	97

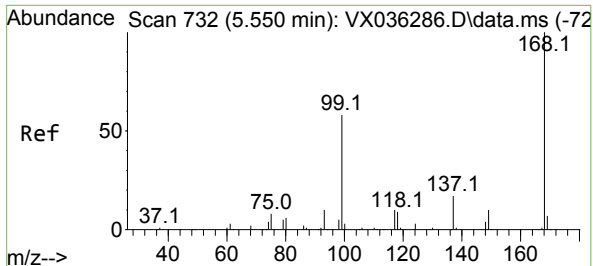
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

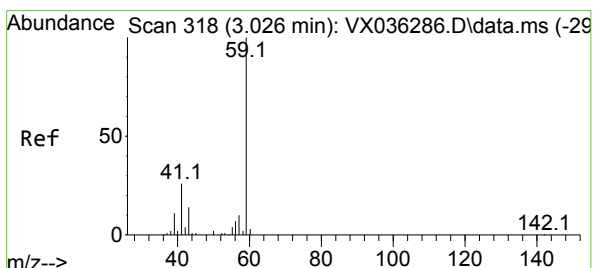
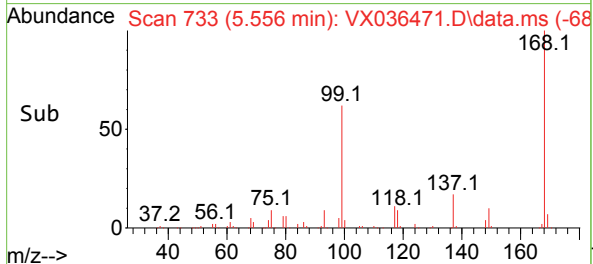
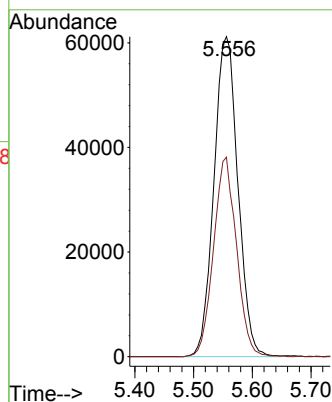
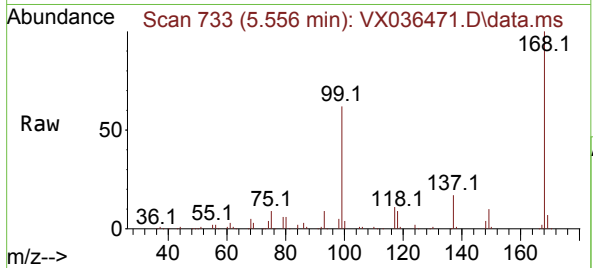




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

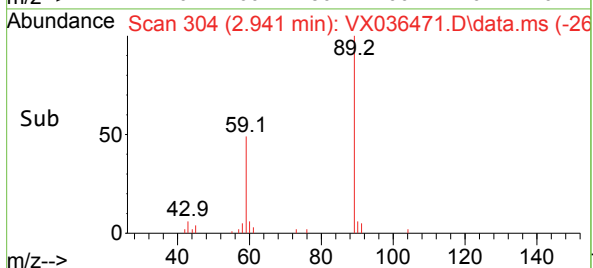
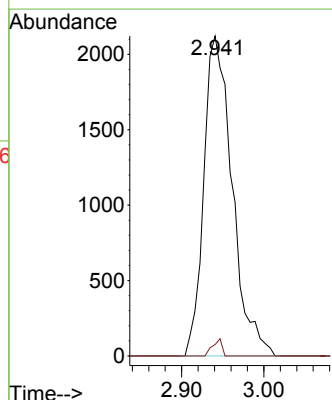
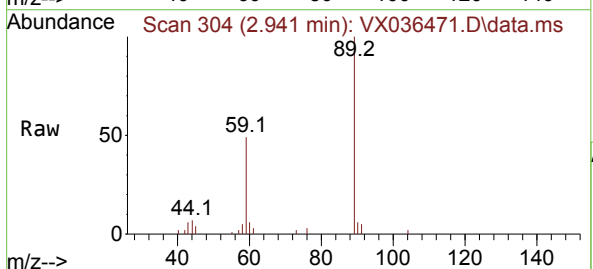
Instrument :
MSVOA_X
ClientSampleId :
60102

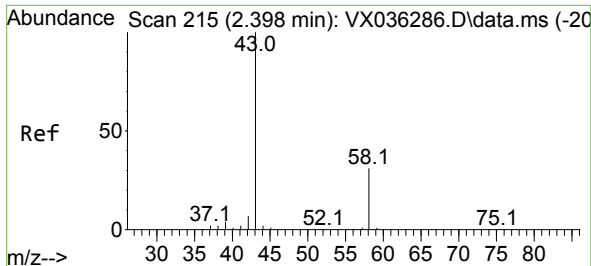
Tgt Ion:168 Resp: 173742
Ion Ratio Lower Upper
168 100
99 62.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 11.219 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.072 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion: 59 Resp: 5086
Ion Ratio Lower Upper
59 100
57 1.7 6.0 9.0#

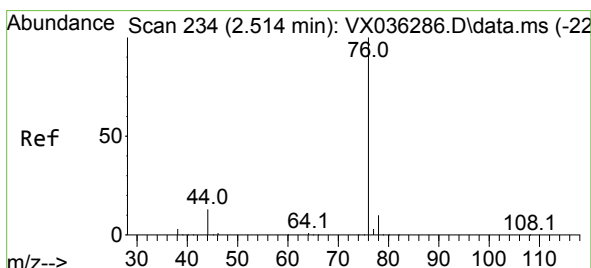
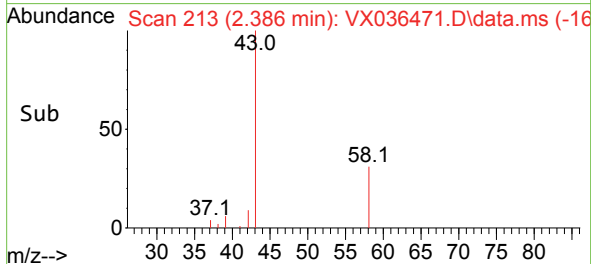
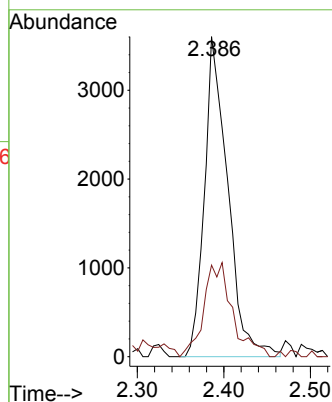
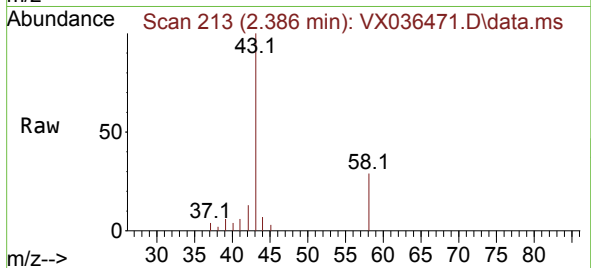




#16
Acetone
Concen: 6.328 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.018 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

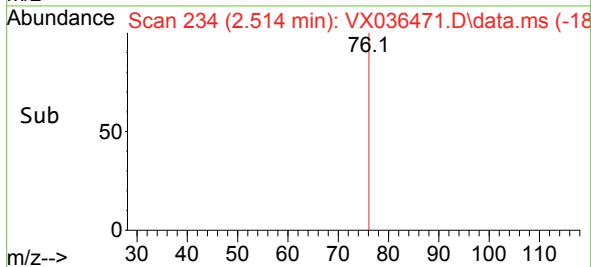
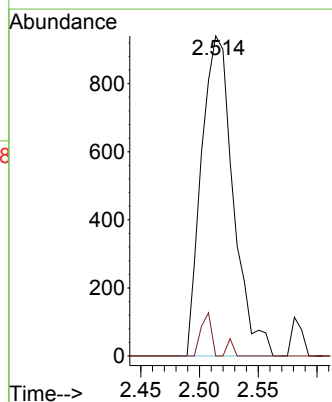
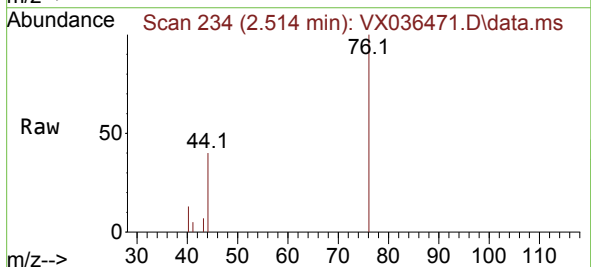
Instrument :
MSVOA_X
ClientSampleId :
60102

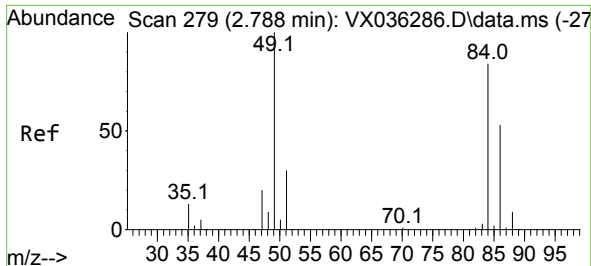
Tgt Ion: 43 Resp: 6736
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9



#17
Carbon Disulfide
Concen: 0.365 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

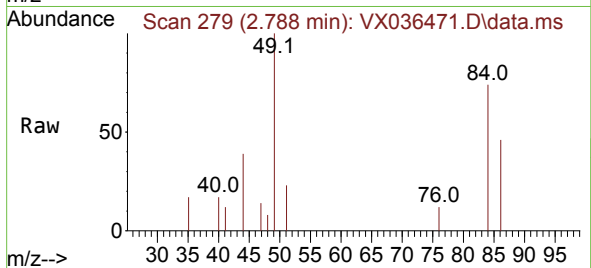
Tgt Ion: 76 Resp: 1771
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



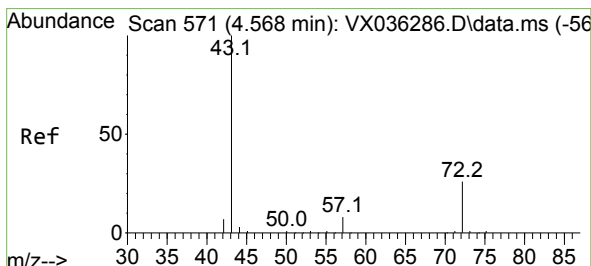
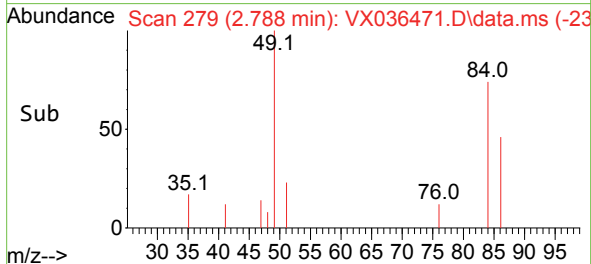
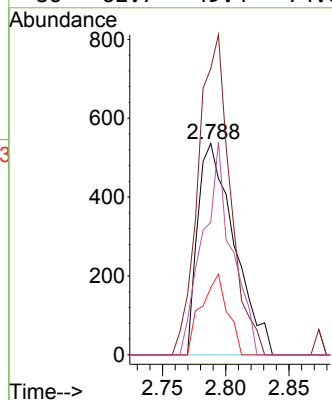


#20
Methylene Chloride
Concen: 0.471 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Instrument :
MSVOA_X
ClientSampleId :
60102

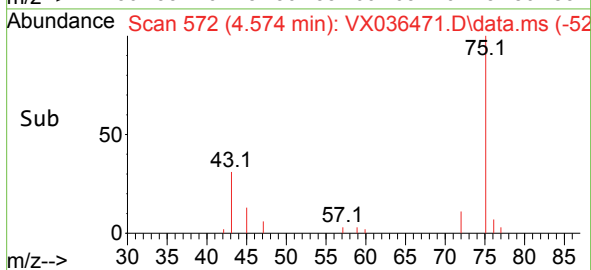
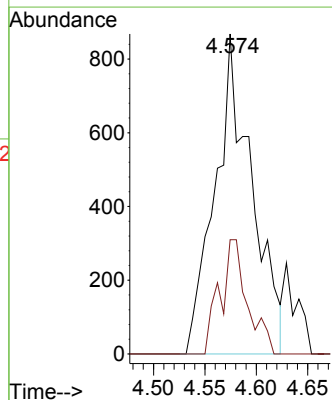
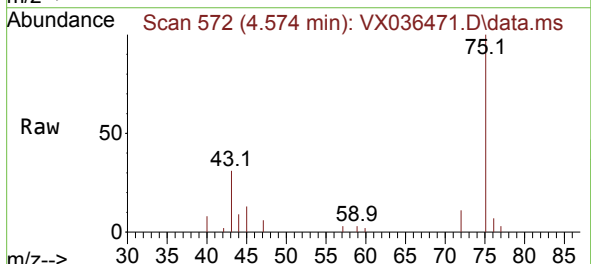


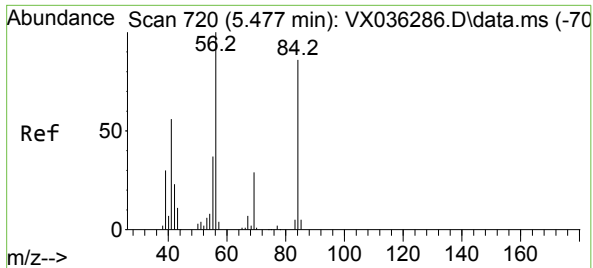
Tgt Ion:	84	Resp:	1079
Ion	Ratio	Lower	Upper
84	100		
49	135.4	103.6	155.4
51	31.7	33.8	50.6#
86	62.7	49.4	74.0



#25
2-Butanone
Concen: 1.407 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

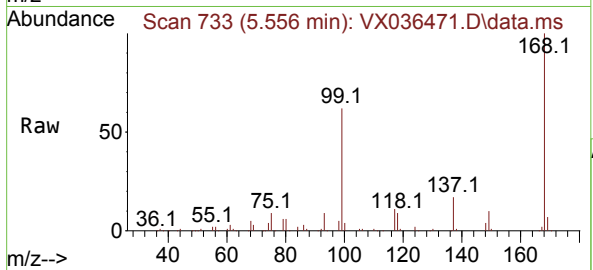
Tgt Ion:	43	Resp:	2152
Ion	Ratio	Lower	Upper
43	100		
72	35.7	19.4	29.2#



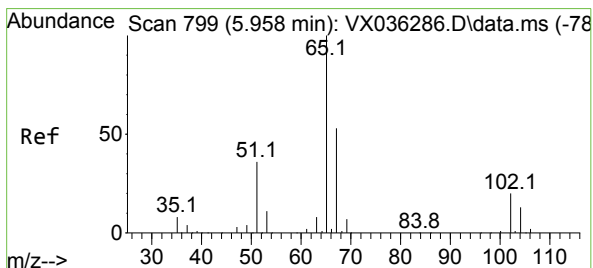
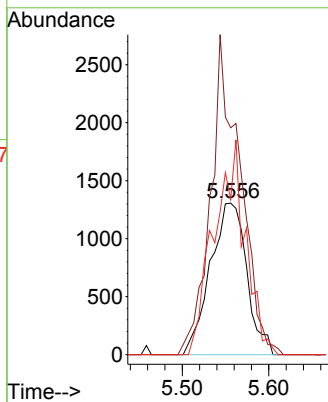
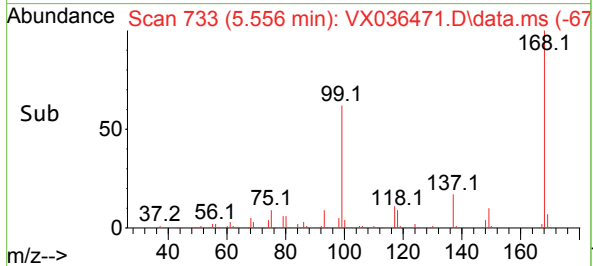


#31
Cyclohexane
Concen: 1.193 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Instrument :
MSVOA_X
ClientSampleId :
60102

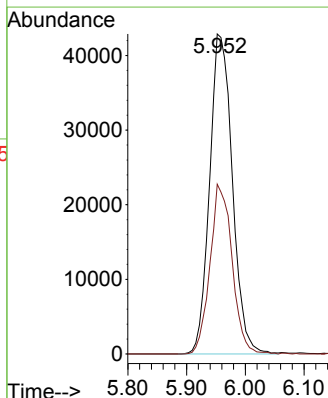
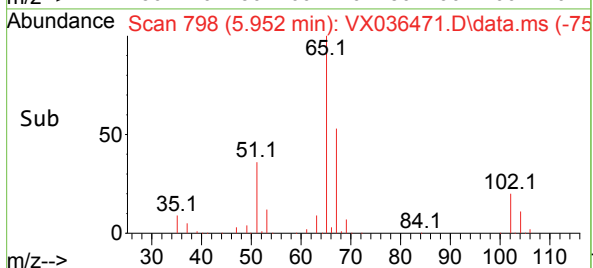
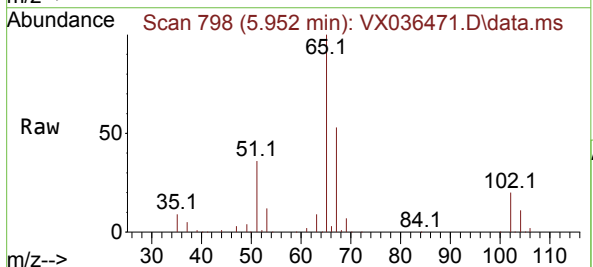


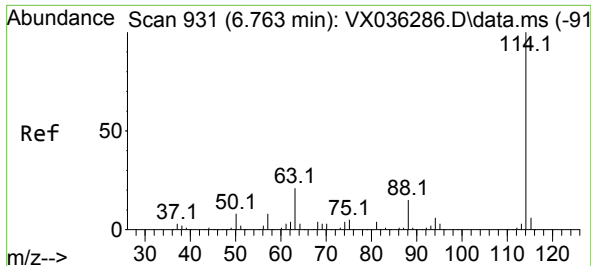
Tgt Ion: 56 Resp: 3809
Ion Ratio Lower Upper
56 100
69 149.8 23.4 35.2#
84 102.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.337 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion: 65 Resp: 115400
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

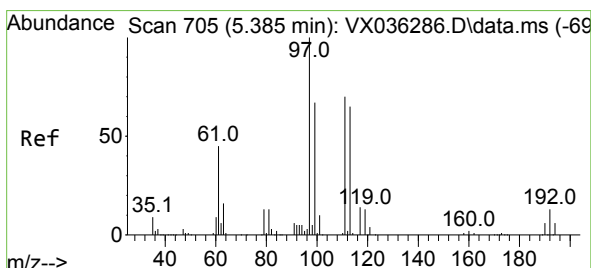
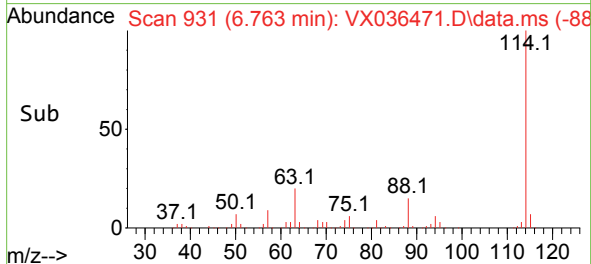
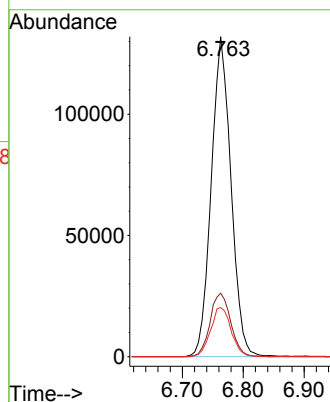
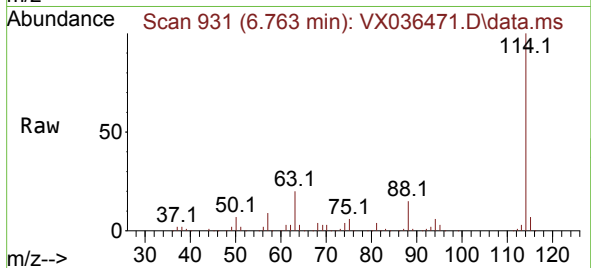




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

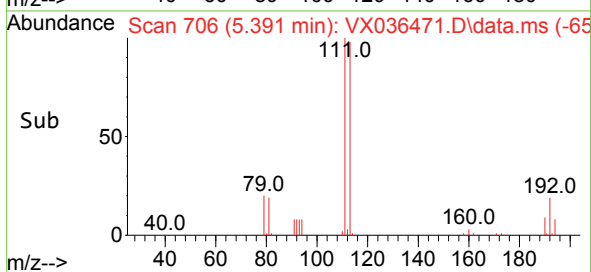
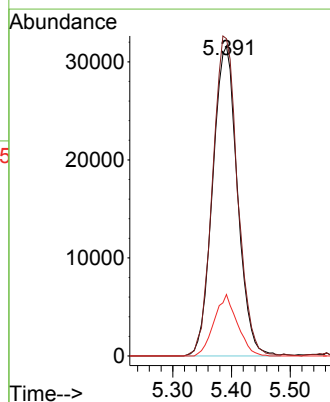
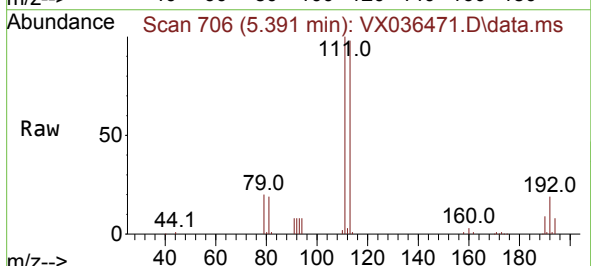
Instrument :
MSVOA_X
ClientSampleId :
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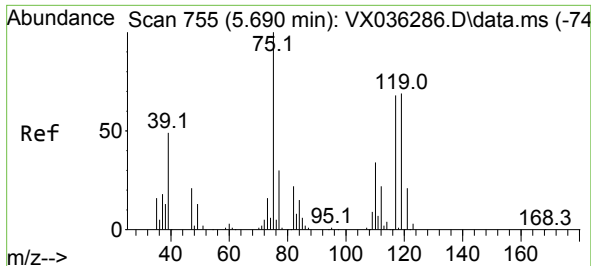
Tgt Ion:114 Resp: 296602
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.339 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion:113 Resp: 92582
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 18.6 13.3 19.9

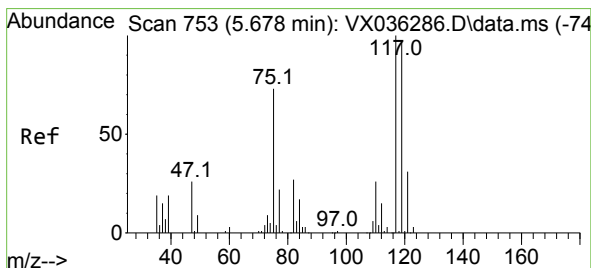
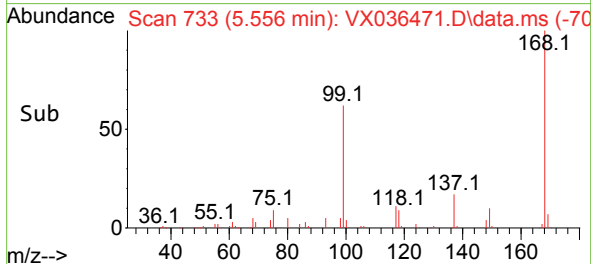
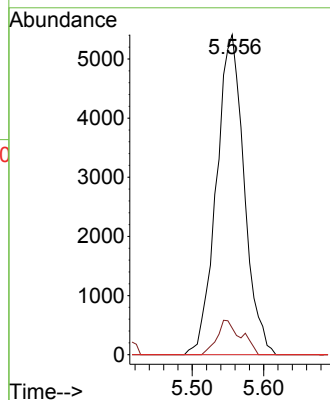
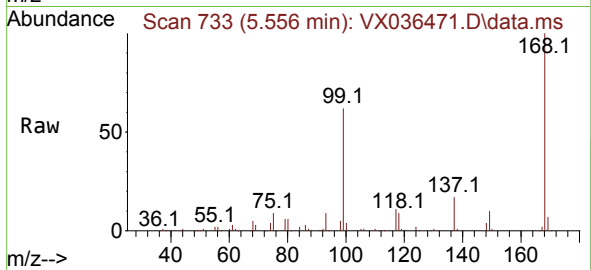




#36
1,1-Dichloropropene
Concen: 5.006 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

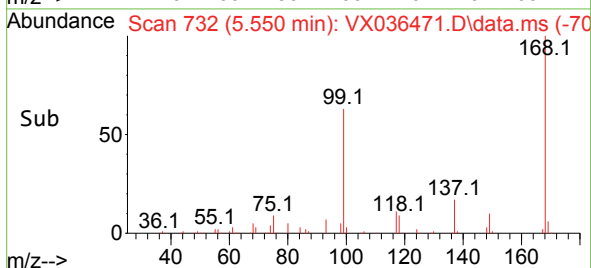
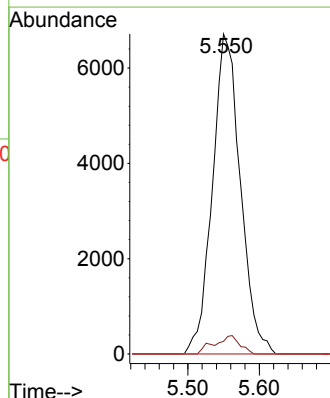
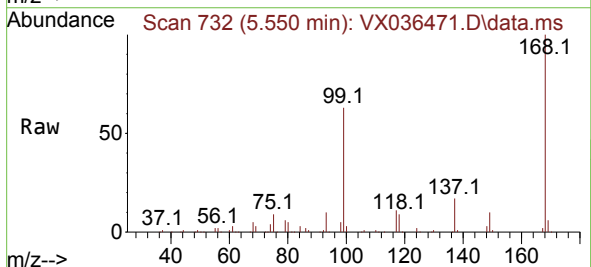
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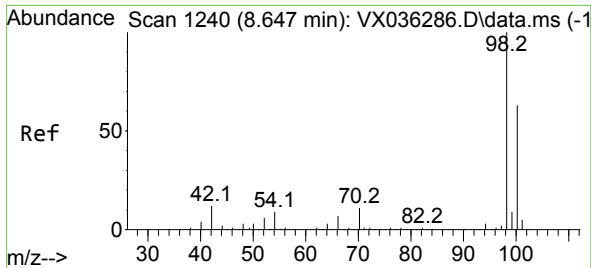
Tgt Ion: 75 Resp: 14593
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.836 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion: 117 Resp: 18202
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#

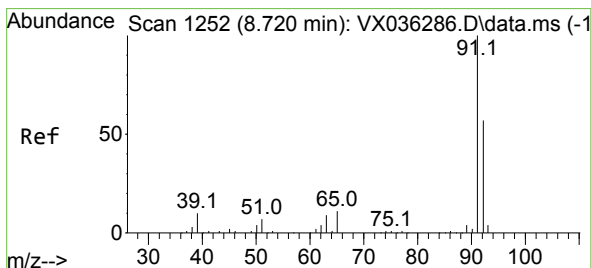
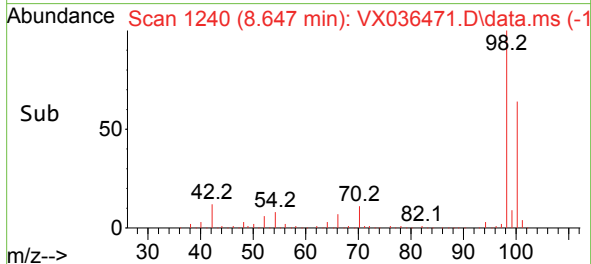
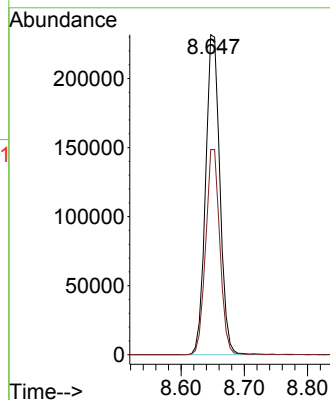
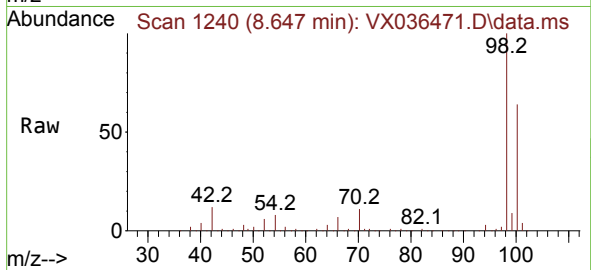




#50
Toluene-d8
Concen: 49.826 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

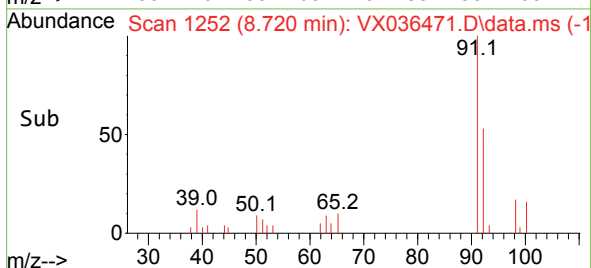
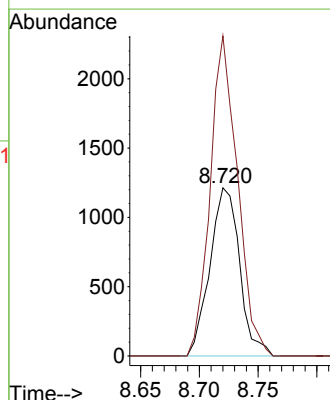
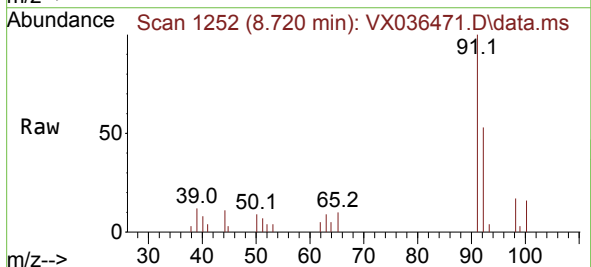
Instrument :
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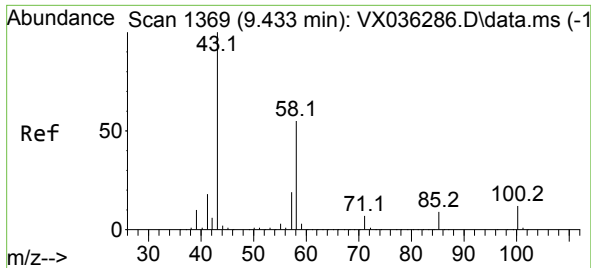
Tgt Ion: 98 Resp: 363957
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#52
Toluene
Concen: 0.413 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion: 92 Resp: 2134
Ion Ratio Lower Upper
92 100
91 175.0 134.2 201.2

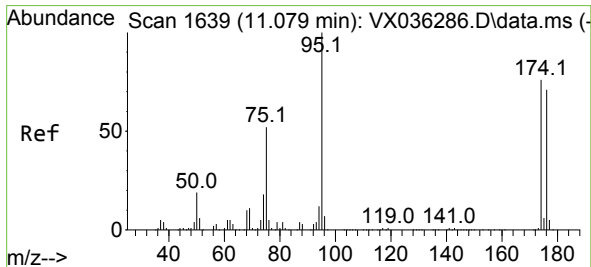
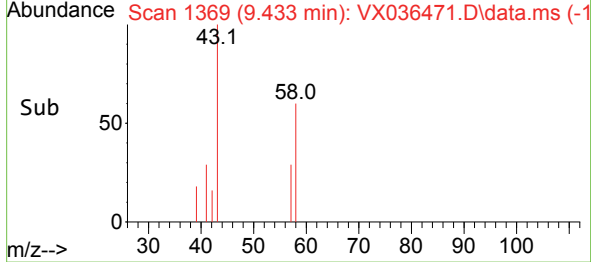
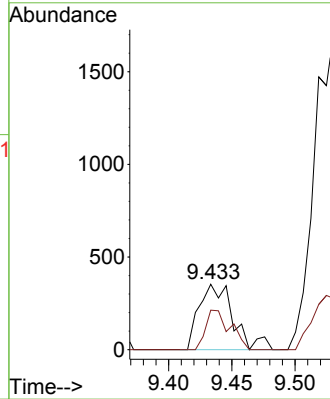
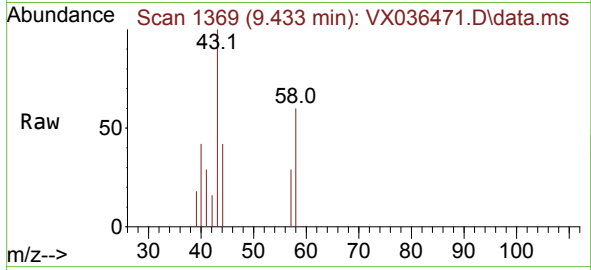




#59
2-Hexanone
Concen: 0.297 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

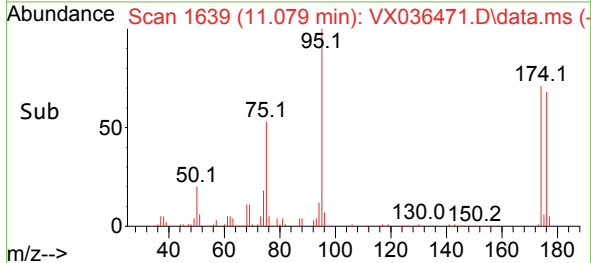
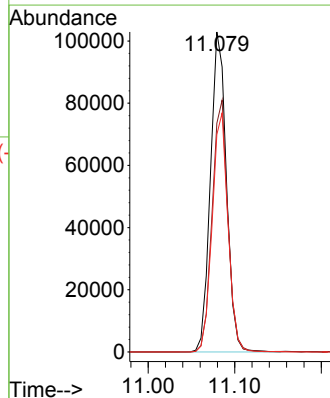
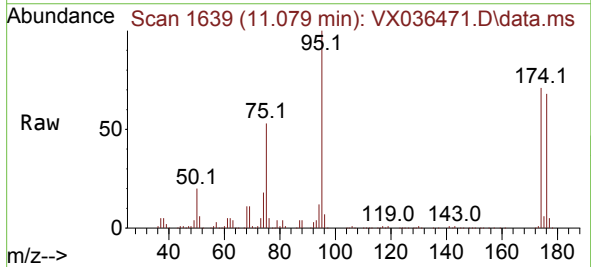
Instrument :
MSVOA_X
ClientSampleId :
60102

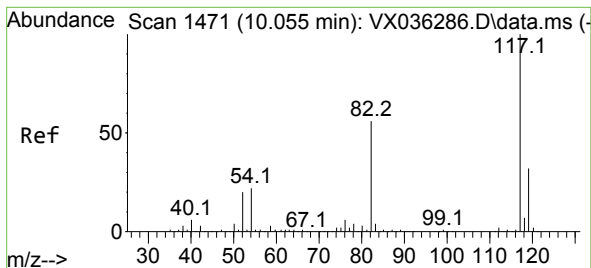
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 43.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 51.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion: 95 Resp: 131562
Ion Ratio Lower Upper
95 100
174 77.9 0.0 135.6
176 74.1 0.0 131.0

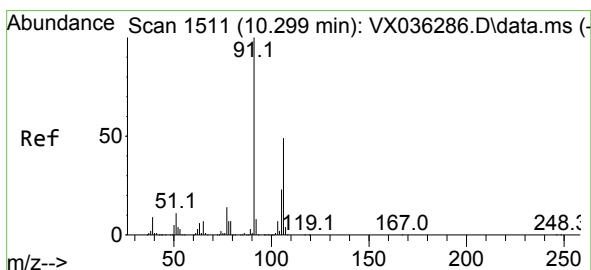
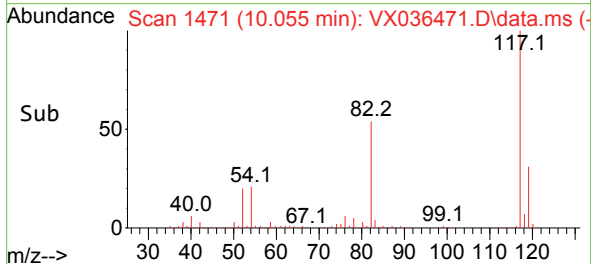
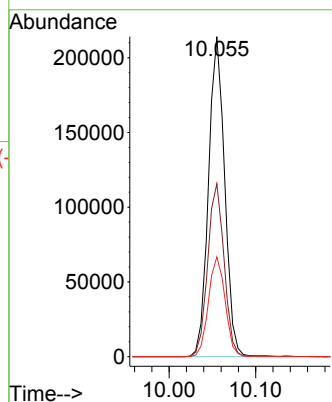
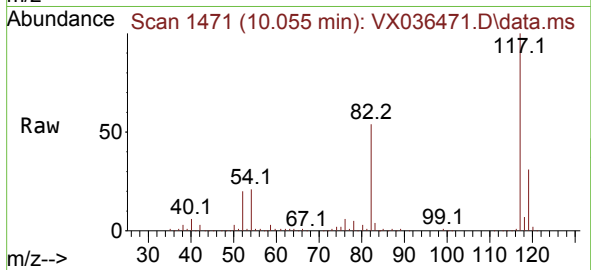




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

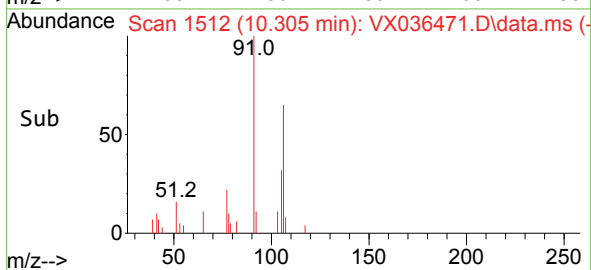
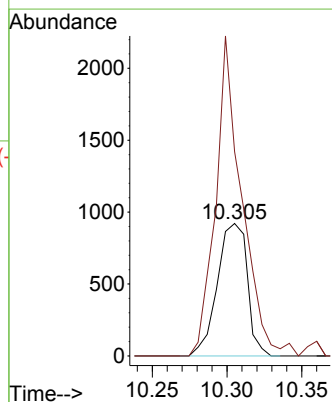
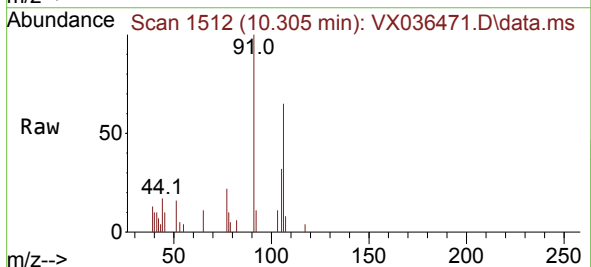
Instrument :
MSVOA_X
ClientSampleId :
60102

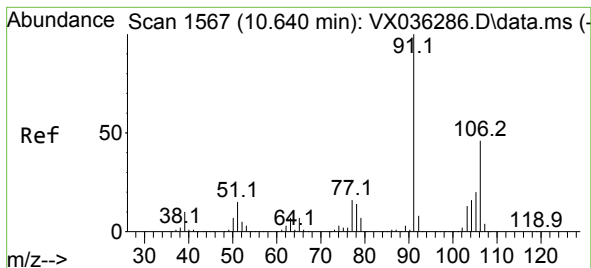
Tgt Ion:117 Resp: 277498
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.318 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion:106 Resp: 1282
Ion Ratio Lower Upper
106 100
91 211.2 165.5 248.3





#69

o-Xylene

Concen: 0.226 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036471.D

Acq: 07 Jul 2023 19:49

Instrument :

MSVOA_X

ClientSampleId :

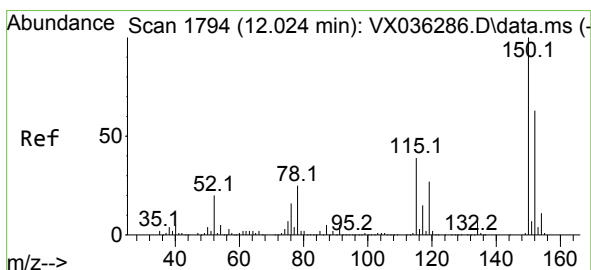
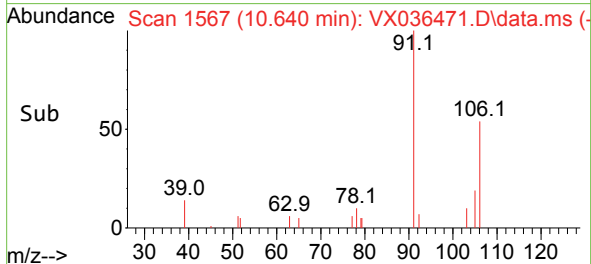
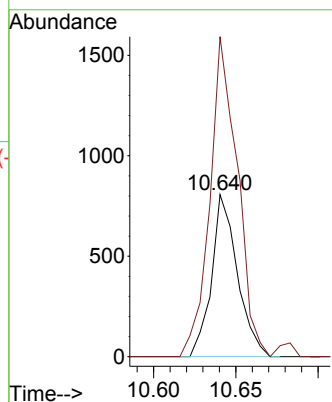
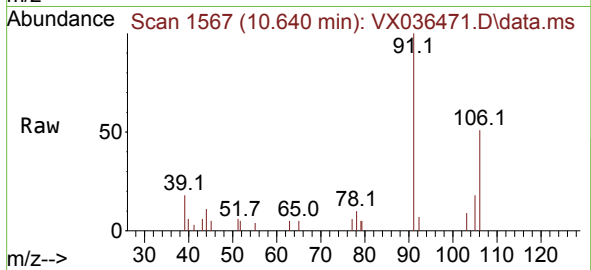
60102

Tgt Ion:106 Resp: 878

Ion Ratio Lower Upper

106 100

91 211.2 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036471.D

Acq: 07 Jul 2023 19:49

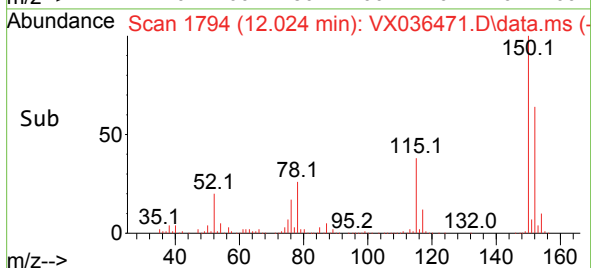
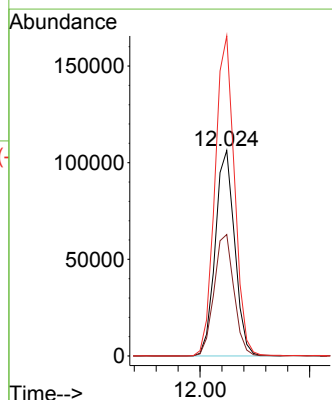
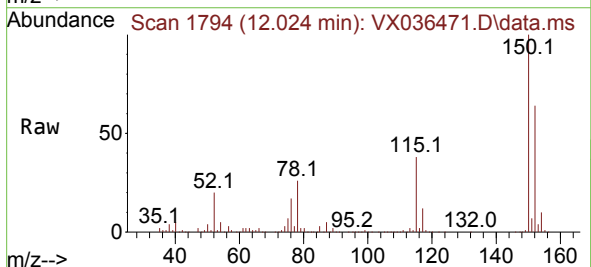
Tgt Ion:152 Resp: 130929

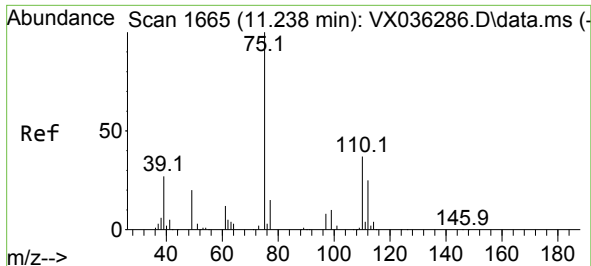
Ion Ratio Lower Upper

152 100

115 60.6 43.3 129.9

150 156.6 0.0 345.0

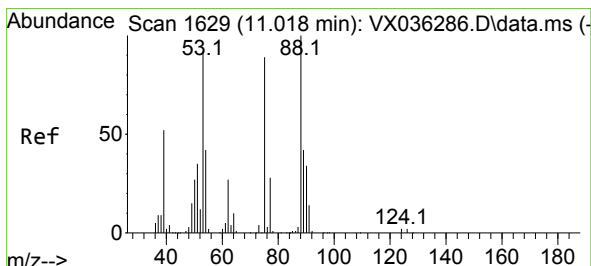
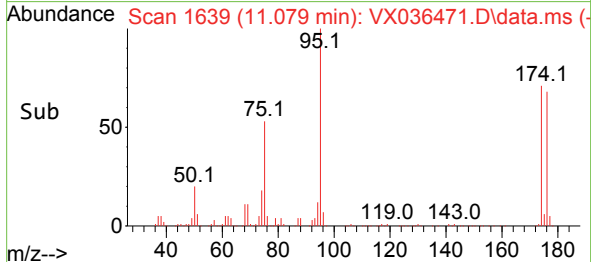
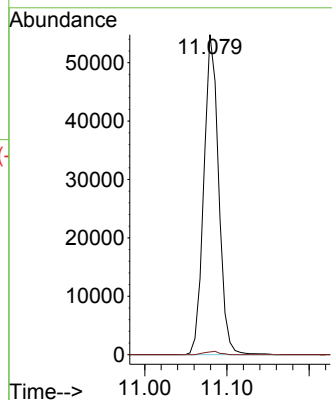
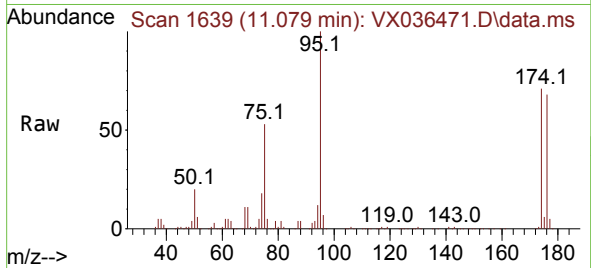




#76
1,2,3-Trichloropropane
Concen: 24.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

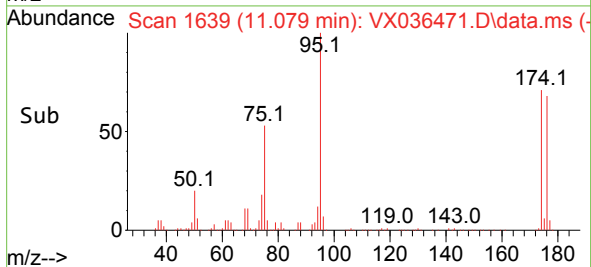
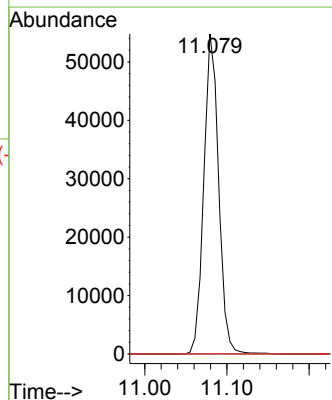
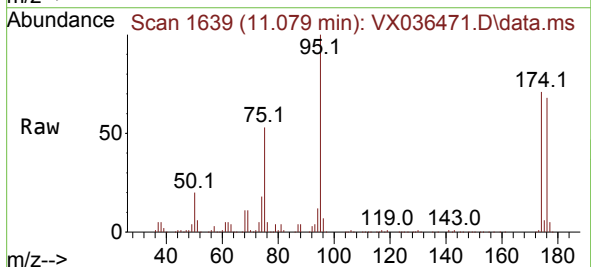
Instrument :
MSVOA_X
ClientSampleId :
60102

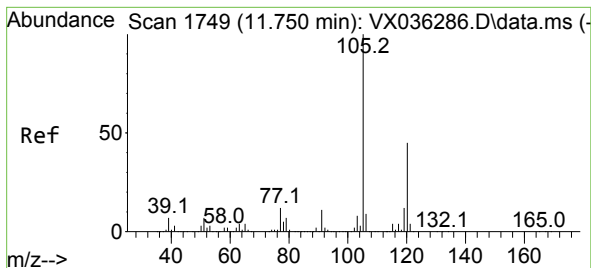
Tgt Ion: 75 Resp: 68578
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.045 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036471.D
Acq: 07 Jul 2023 19:49

Tgt Ion: 75 Resp: 68578
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: 0.248 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036471.D

Acq: 07 Jul 2023 19:49

Instrument :

MSVOA_X

ClientSampleId :

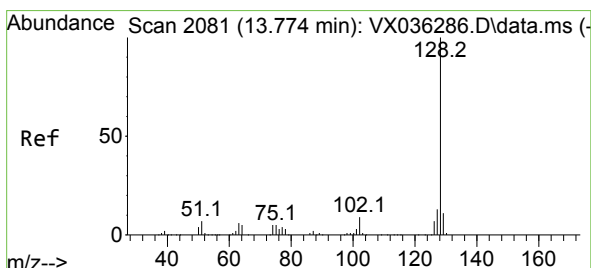
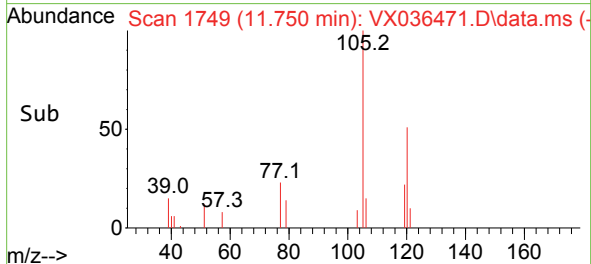
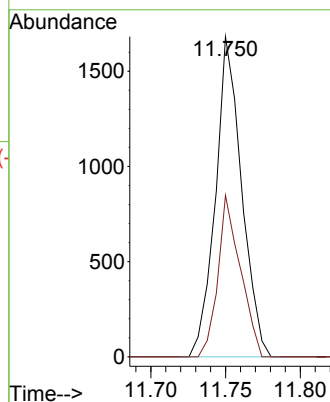
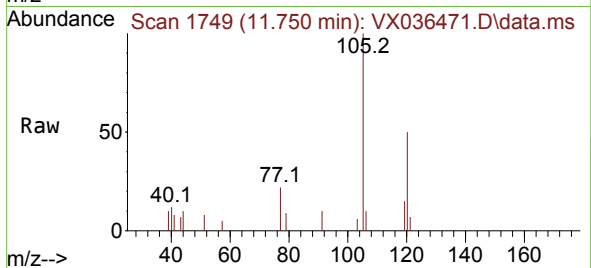
60102

Tgt Ion:105 Resp: 2047

Ion Ratio Lower Upper

105 100

120 43.2 21.2 63.6



#95

Naphthalene

Concen: 0.627 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX036471.D

Acq: 07 Jul 2023 19:49

Tgt Ion:128 Resp: 5605

Ion Ratio Lower Upper

128 100

127 14.8 10.3 15.5

129 11.3 8.8 13.2

