

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092023\
 Data File : VX037825.D
 Acq On : 20 Sep 2023 12:00
 Operator : JC/MD
 Sample : 04511-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 21 05:54:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

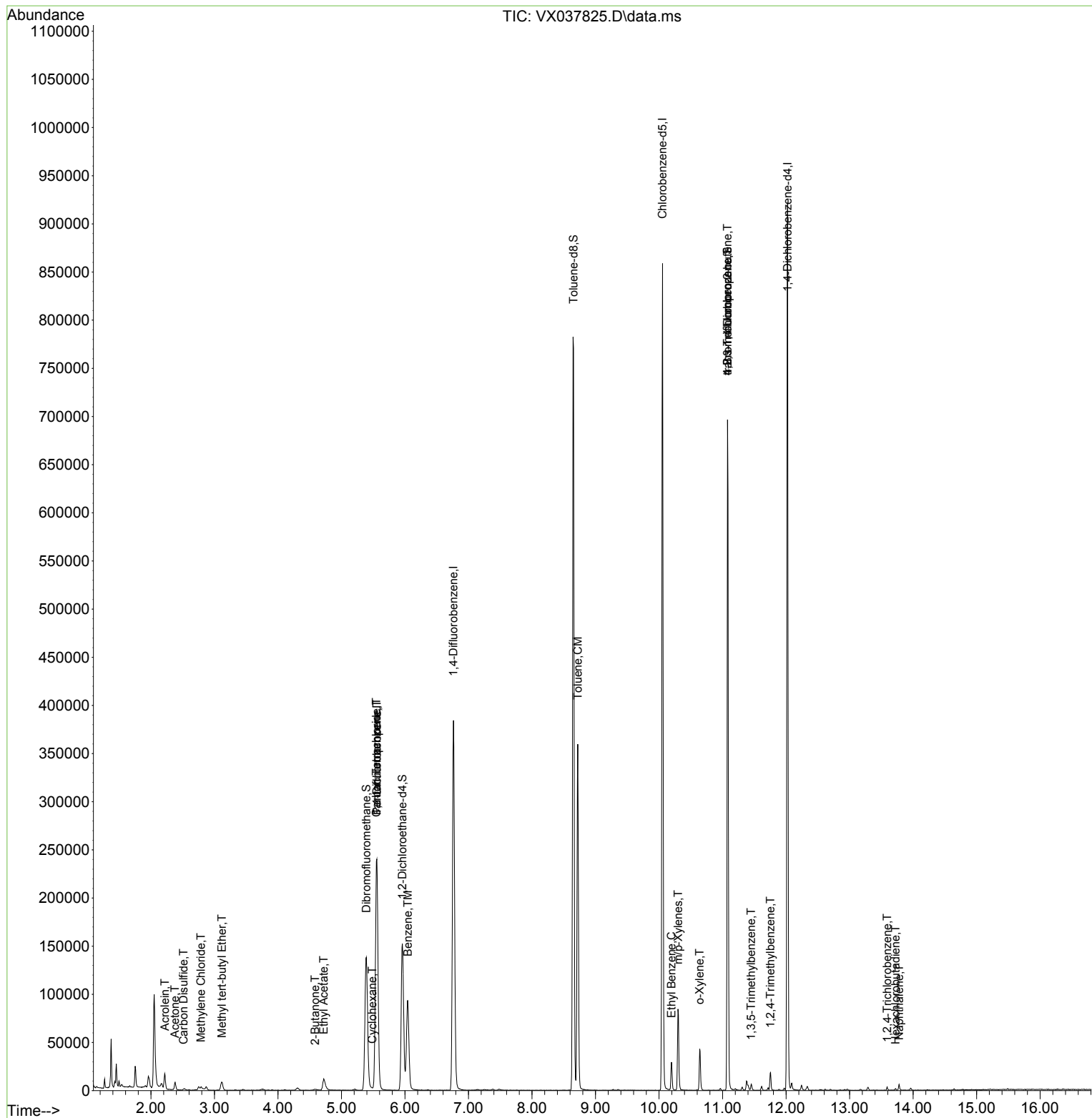
Internal Standards						
1) Pentafluorobenzene	5.556	168	236580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	401706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146514	47.136	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.280%		
35) Dibromofluoromethane	5.391	113	123223	45.845	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.680%		
50) Toluene-d8	8.653	98	486827	48.746	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.500%		
62) 4-Bromofluorobenzene	11.079	95	182006	50.152	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.300%		
Target Compounds					Qvalue	
13) Acrolein	2.221	56	692	1.050	ug/l #	1
16) Acetone	2.379	43	8329	5.570	ug/l #	89
17) Carbon Disulfide	2.514	76	1167	0.202	ug/l #	90
19) Methyl tert-butyl Ether	3.117	73	8931	1.052	ug/l	99
20) Methylene Chloride	2.788	84	1460	0.503	ug/l	89
25) 2-Butanone	4.586	43	1594	0.755	ug/l	91
31) Cyclohexane	5.483	56	1133	0.284	ug/l	99
36) 1,1-Dichloropropene	5.556	75	17745	4.793	ug/l #	51
37) Ethyl Acetate	4.721	43	20540	5.046	ug/l	95
38) Carbon Tetrachloride	5.550	117	23455	6.054	ug/l #	16
40) Benzene	6.043	78	114832	10.085	ug/l	99
52) Toluene	8.720	92	137260	18.705	ug/l	94
67) Ethyl Benzene	10.195	91	17293	1.204	ug/l	99
68) m/p-Xylenes	10.299	106	20535	3.701	ug/l	100
69) o-Xylene	10.640	106	9825	1.766	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	92267	20.384	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2475	0.204	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	92267	65.297	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	8838	0.733	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	929	0.233	ug/l	96
94) Hexachlorobutadiene	13.725	225	392	0.211	ug/l	82
95) Naphthalene	13.780	128	4259	0.316	ug/l	100

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

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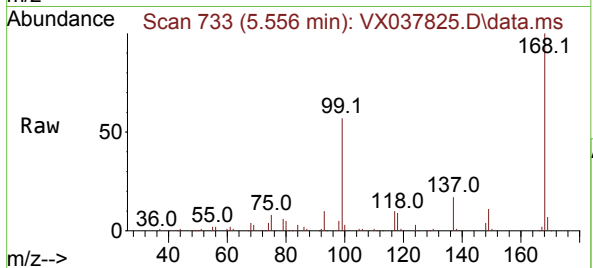
Quant Time: Sep 21 05:54:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



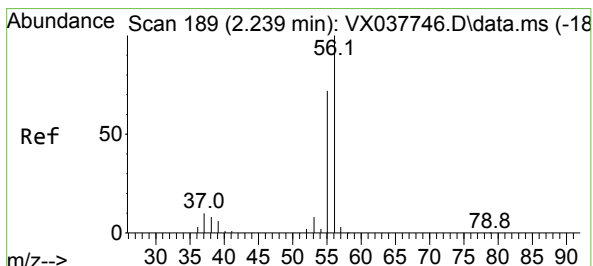
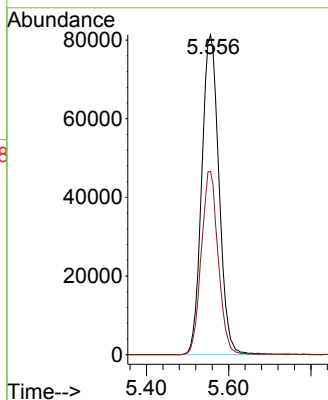
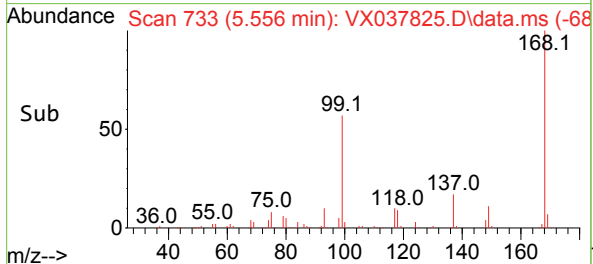


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.006 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Instrument :
MSVOA_X
ClientSampleId :

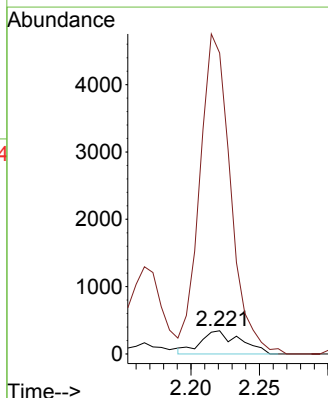
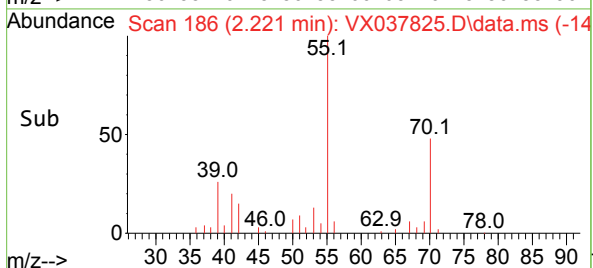
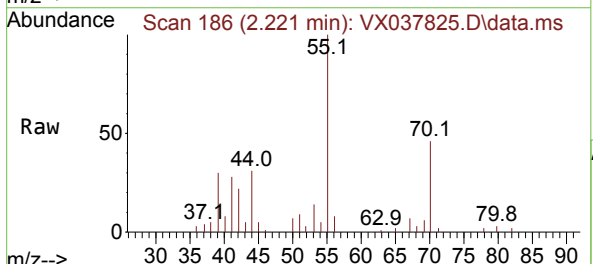


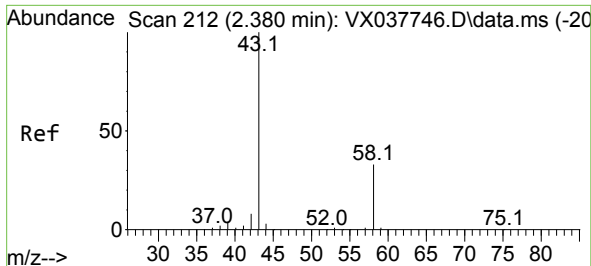
Tgt Ion:168 Resp: 236580
Ion Ratio Lower Upper
168 100
99 57.2 56.6 85.0



#13
Acrolein
Concen: 1.050 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Tgt Ion: 56 Resp: 692
Ion Ratio Lower Upper
56 100
55 1073.8 57.1 85.7#

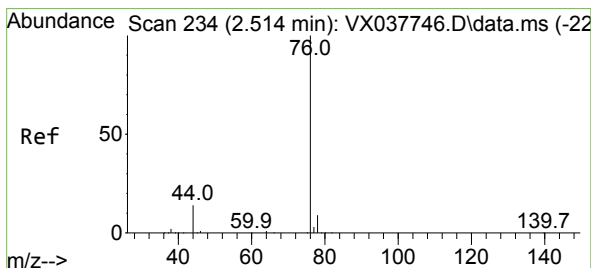
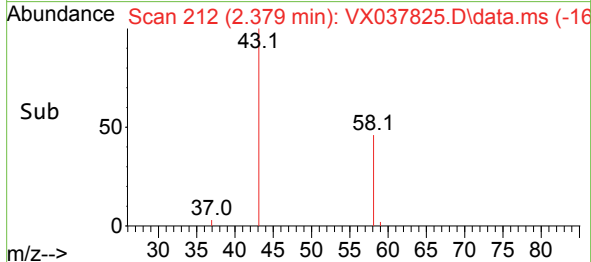
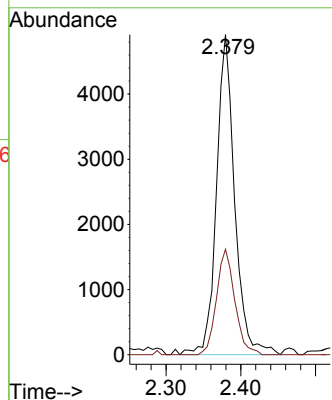
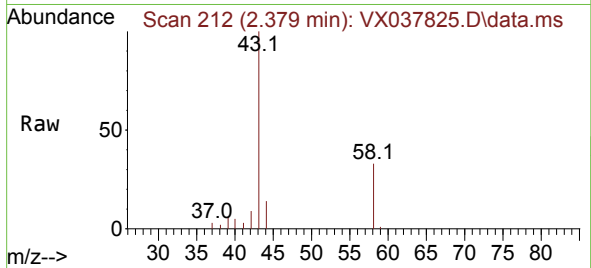




#16
Acetone
Concen: 5.570 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

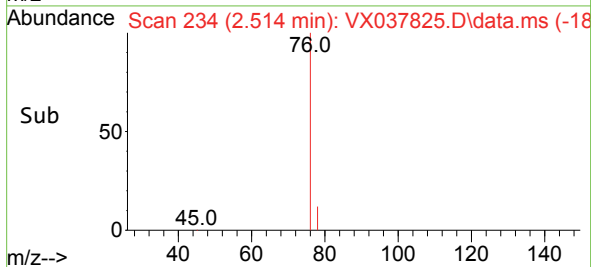
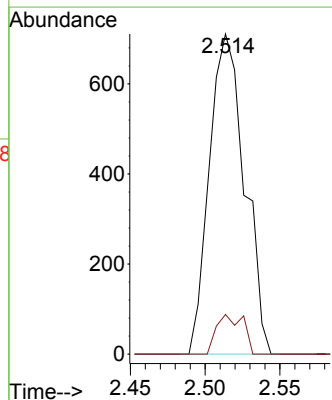
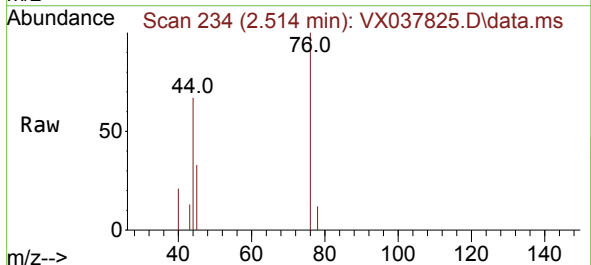
Instrument :
MSVOA_X
ClientSampleId :

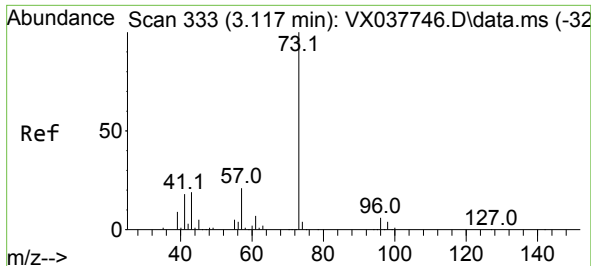
Tgt Ion: 43 Resp: 8329
Ion Ratio Lower Upper
43 100
58 32.9 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Tgt Ion: 76 Resp: 1167
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.6#

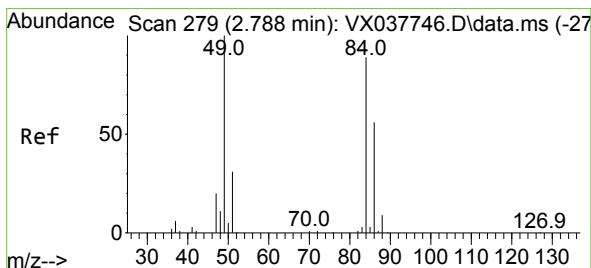
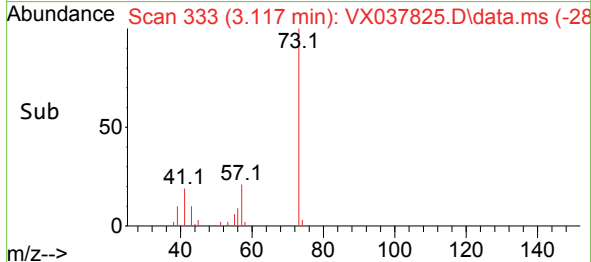
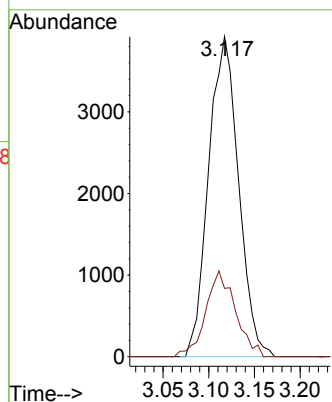
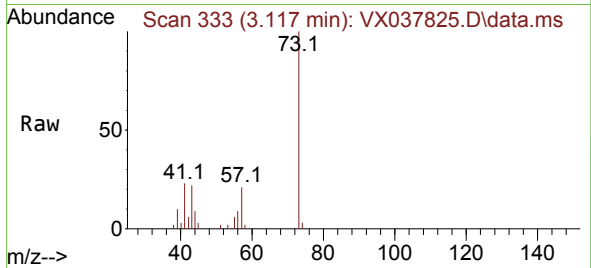




#19
Methyl tert-butyl Ether
Concen: 1.052 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

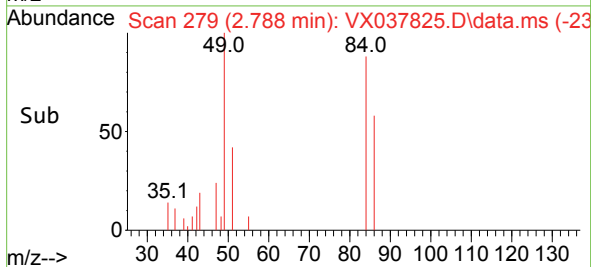
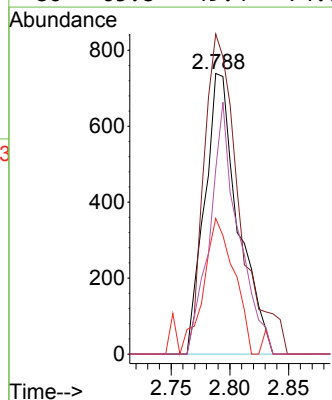
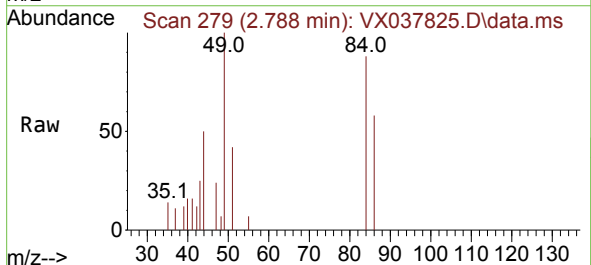
Instrument :
MSVOA_X
ClientSampleId :

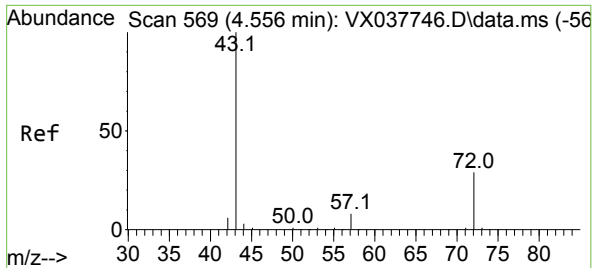
Tgt Ion: 73 Resp: 8931
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9



#20
Methylene Chloride
Concen: 0.503 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Tgt Ion: 84 Resp: 1460
Ion Ratio Lower Upper
84 100
49 114.1 103.6 155.4
51 48.3 33.8 50.6
86 65.8 49.4 74.0

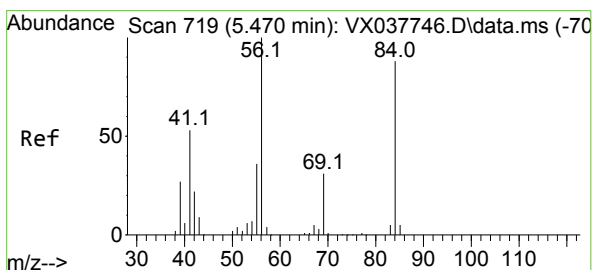
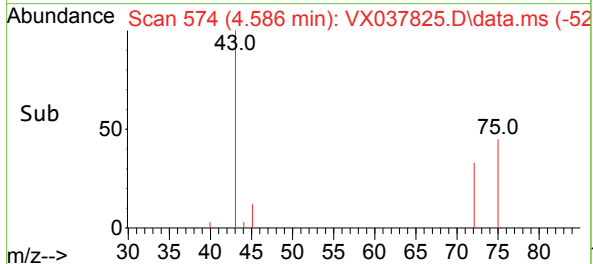
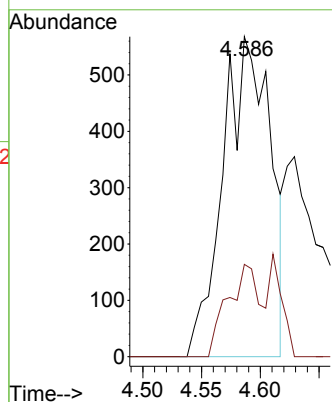
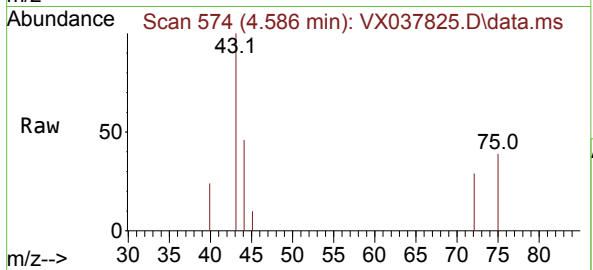




#25
2-Butanone
Concen: 0.755 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

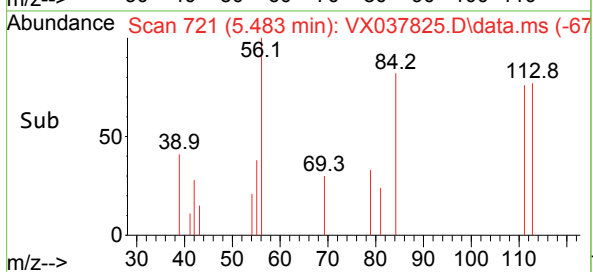
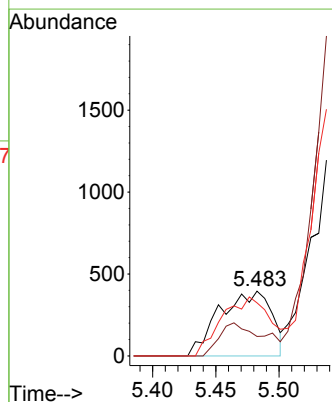
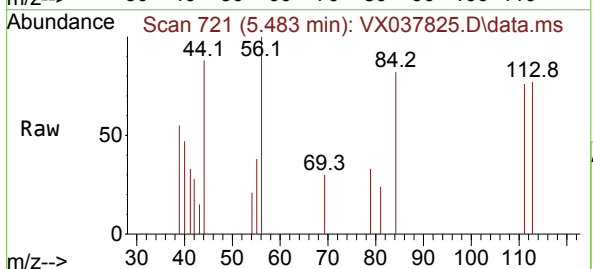
Instrument :
MSVOA_X
ClientSampleId :

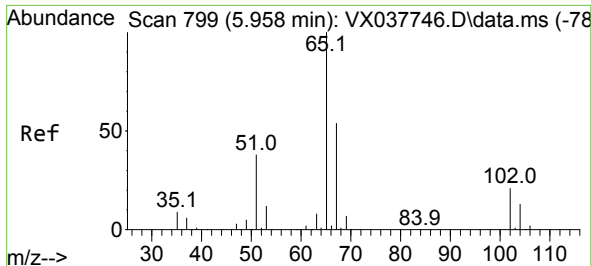
Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
72 28.9 19.4 29.2



#31
Cyclohexane
Concen: 0.284 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.012 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Tgt Ion: 56 Resp: 1133
Ion Ratio Lower Upper
56 100
69 30.1 23.4 35.2
84 82.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 47.136 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

Instrument :

MSVOA_X

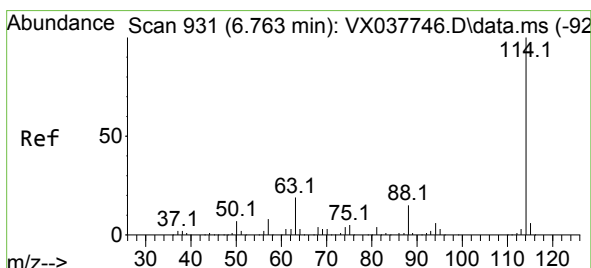
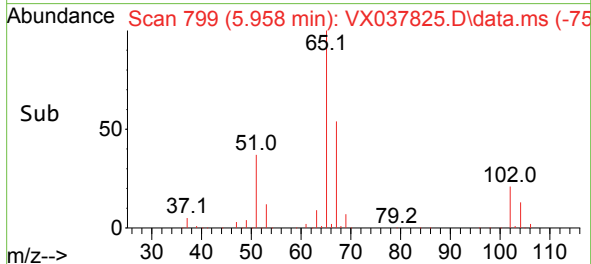
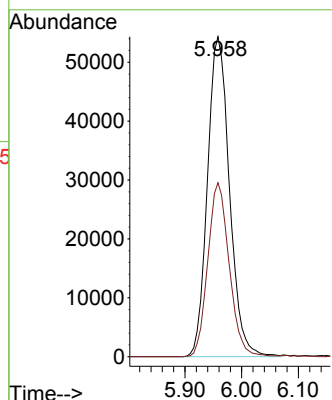
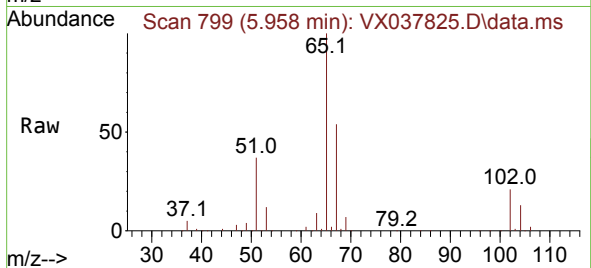
ClientSampleId :

Tgt Ion: 65 Resp: 146514

Ion Ratio Lower Upper

65 100

67 52.9 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: VX037825.D

Acq: 20 Sep 2023 12:00

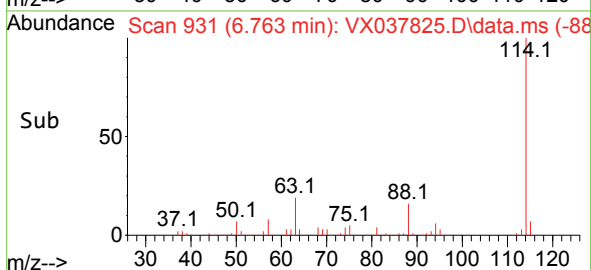
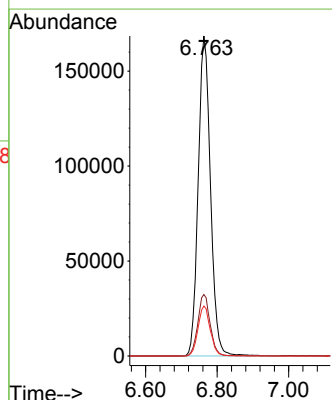
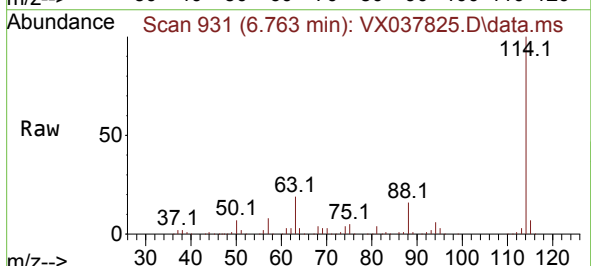
Tgt Ion: 114 Resp: 401706

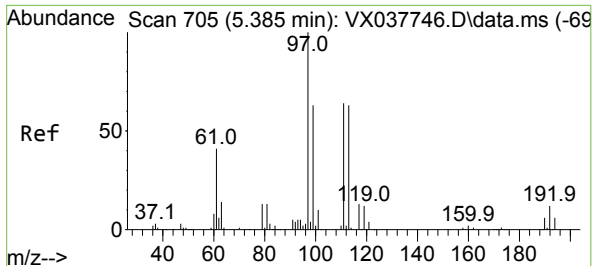
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

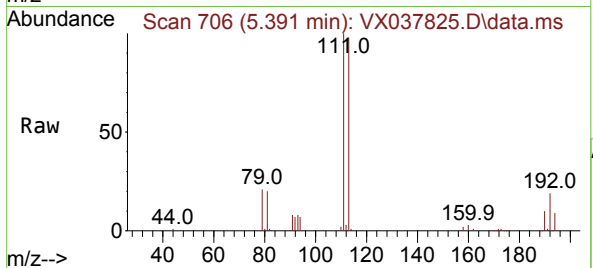
88 15.6 0.0 36.6



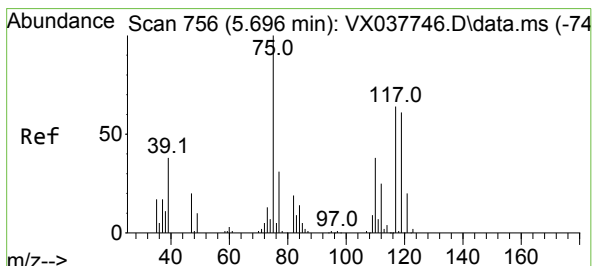
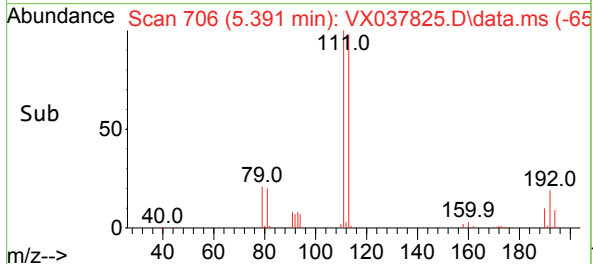
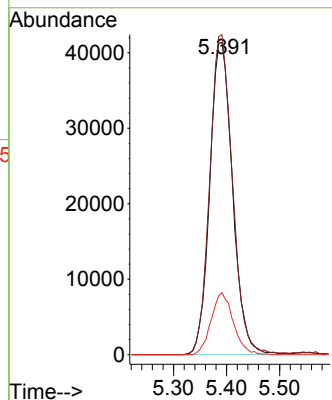


#35
Dibromofluoromethane
Concen: 45.845 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Instrument :
MSVOA_X
ClientSampleId :

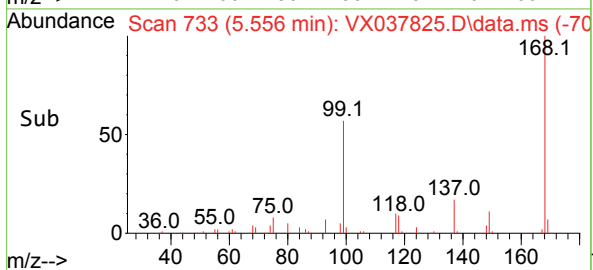
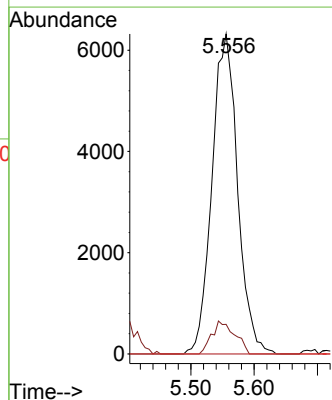
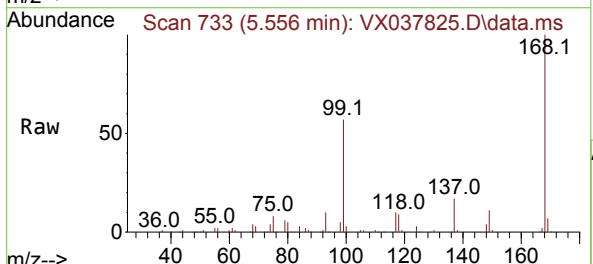


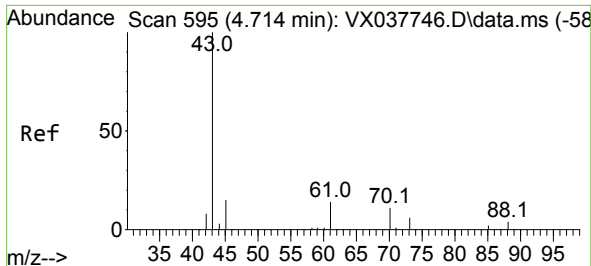
Tgt Ion:113 Resp: 123223
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 19.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Tgt Ion: 75 Resp: 17745
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 5.046 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.012 min

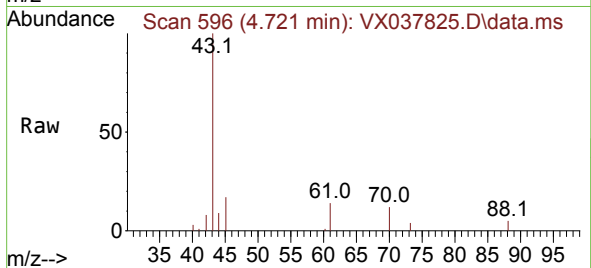
Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

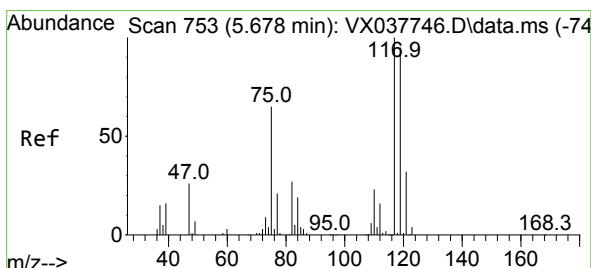
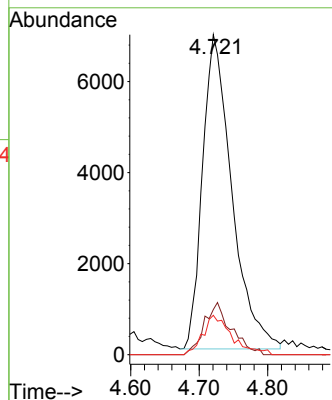
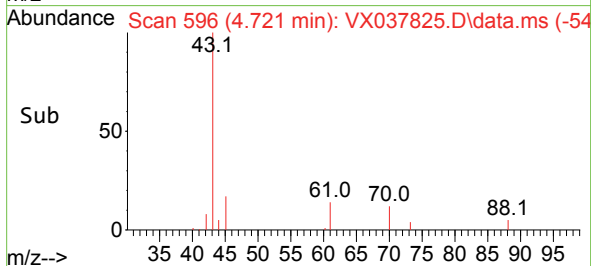
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	20540
Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.6	16.0
70	12.4	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.054 ug/l

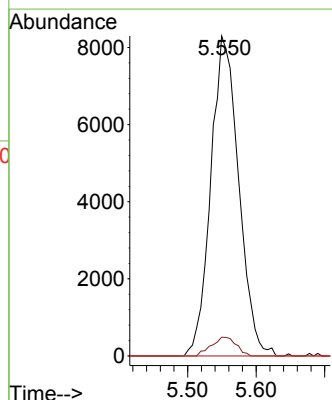
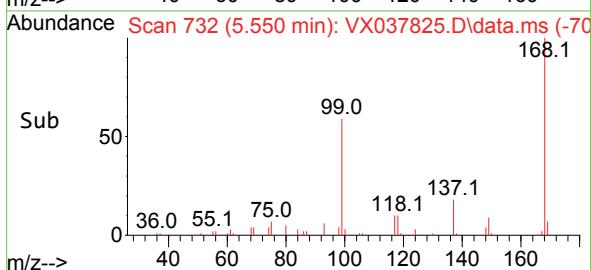
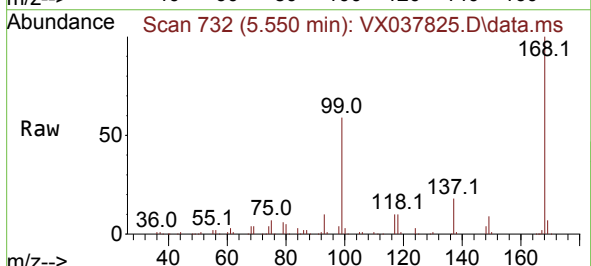
RT: 5.550 min Scan# 732

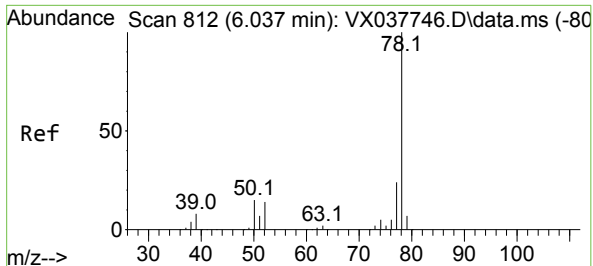
Delta R.T. -0.128 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

Tgt Ion:	117	Resp:	23455
Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.2	117.2#
121	0.0	24.4	36.6#

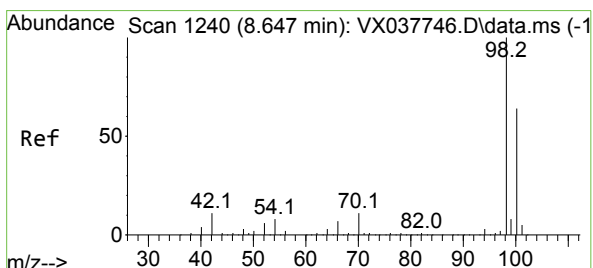
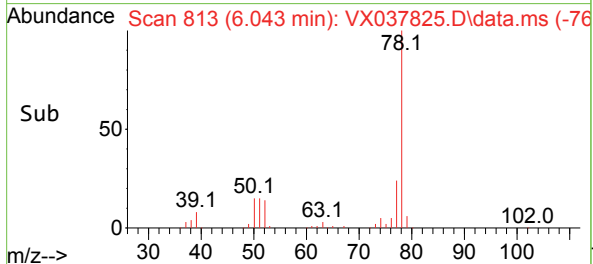
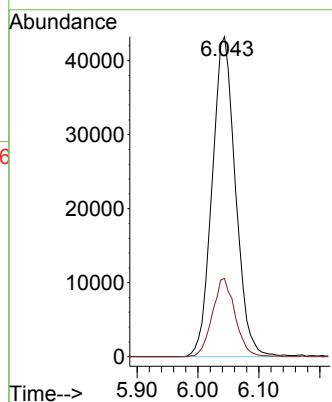
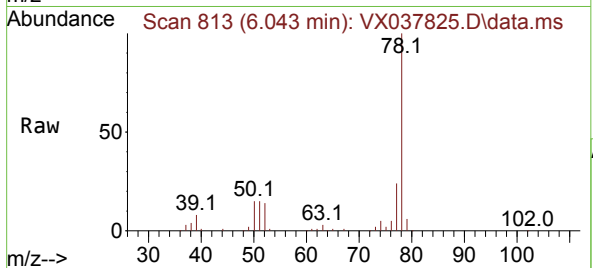




#40
Benzene
Concen: 10.085 ug/l
RT: 6.043 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

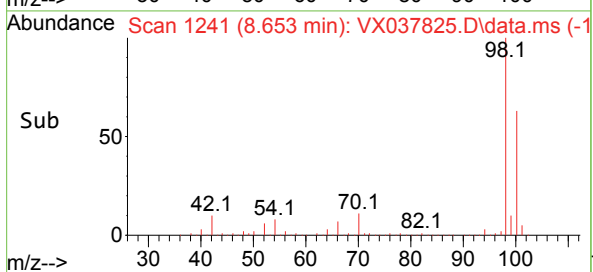
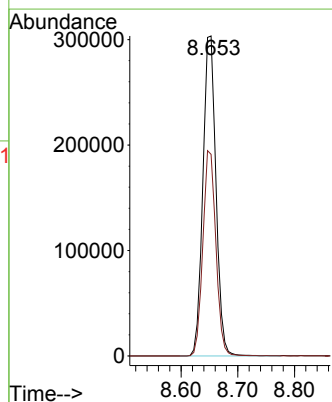
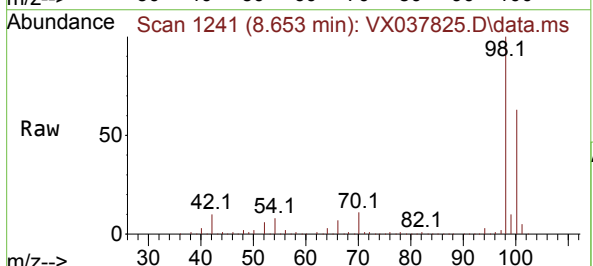
Instrument :
MSVOA_X
ClientSampleId :

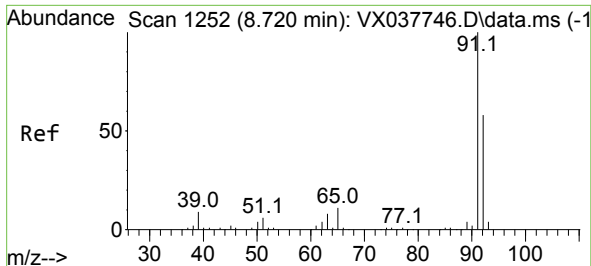
Tgt Ion: 78 Resp: 114832
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9



#50
Toluene-d8
Concen: 48.746 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

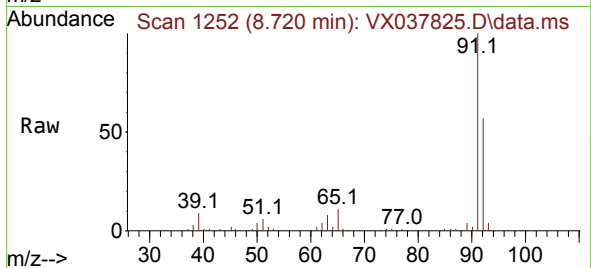
Tgt Ion: 98 Resp: 486827
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



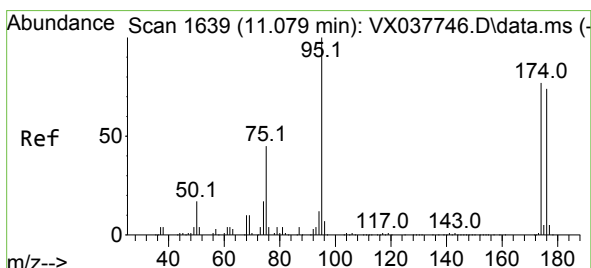
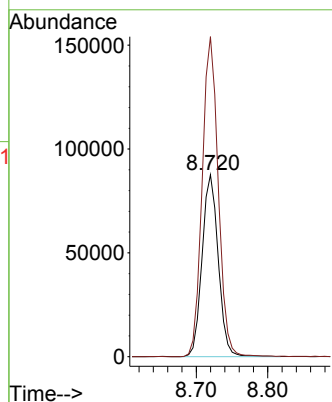
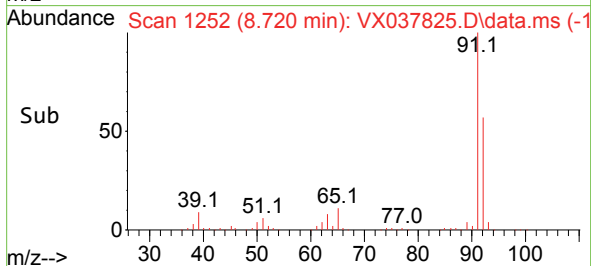


#52
Toluene
Concen: 18.705 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Instrument :
MSVOA_X
ClientSampleId :

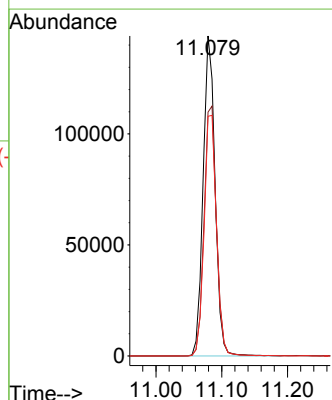
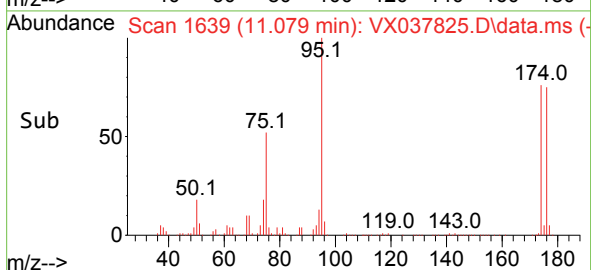
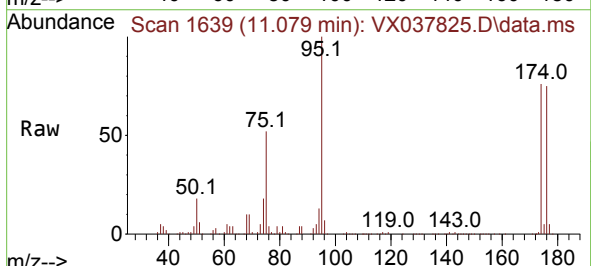


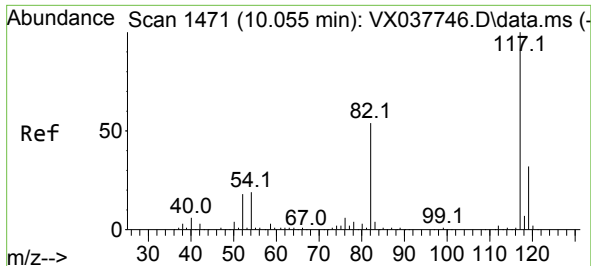
Tgt Ion: 92 Resp: 137260
Ion Ratio Lower Upper
92 100
91 175.5 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 50.152 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

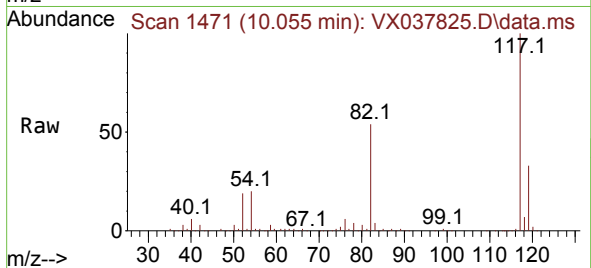
Tgt Ion: 95 Resp: 182006
Ion Ratio Lower Upper
95 100
174 81.0 0.0 135.6
176 78.7 0.0 131.0



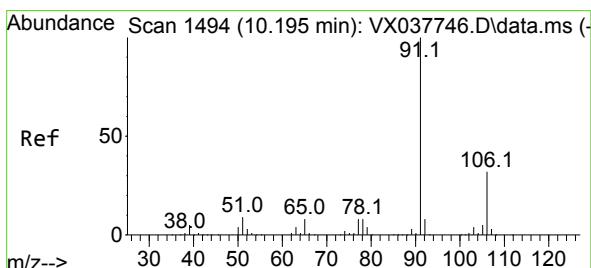
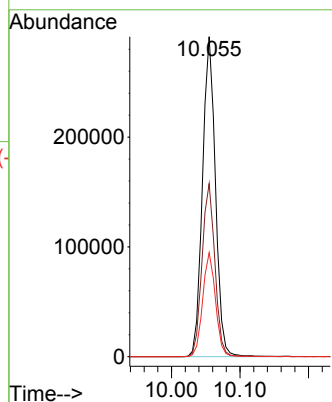
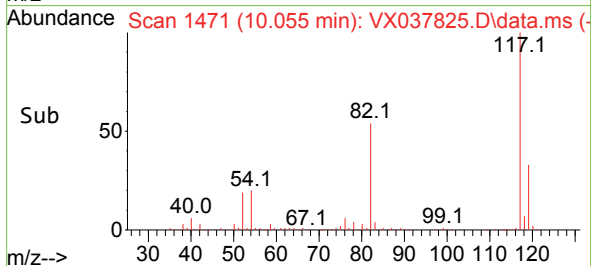


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Instrument :
MSVOA_X
ClientSampleId :

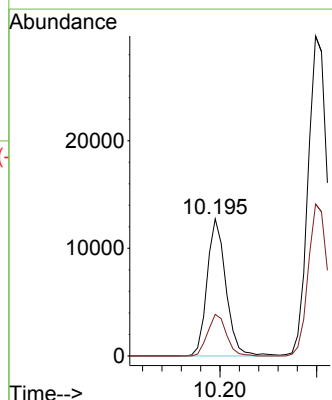
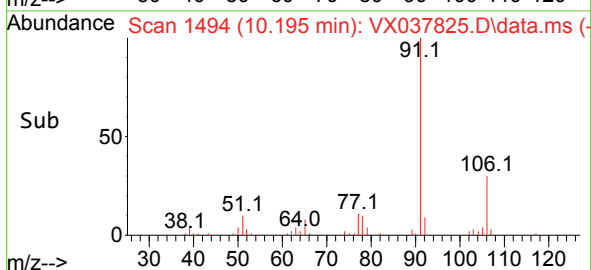
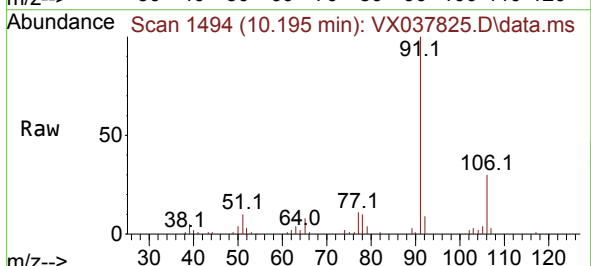


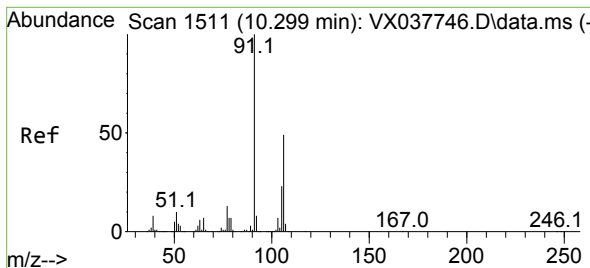
Tgt Ion:117 Resp: 383989
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 1.204 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Tgt Ion: 91 Resp: 17293
Ion Ratio Lower Upper
91 100
106 30.4 24.9 37.3

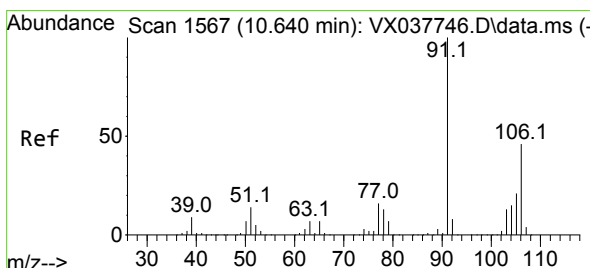
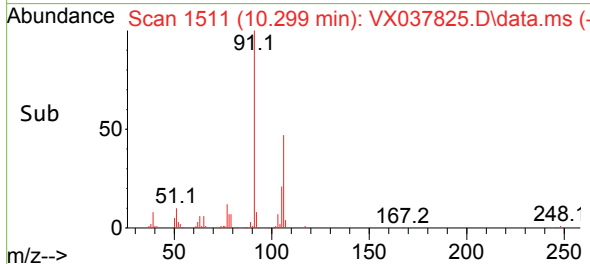
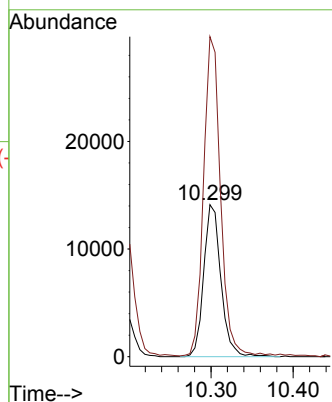
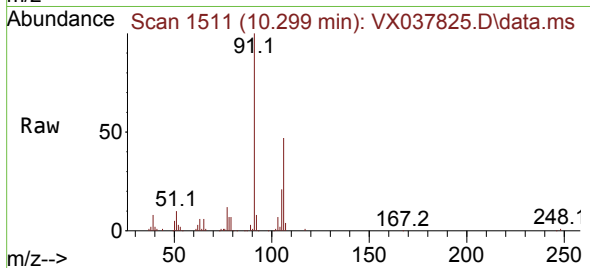




#68
m/p-Xylenes
Concen: 3.701 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

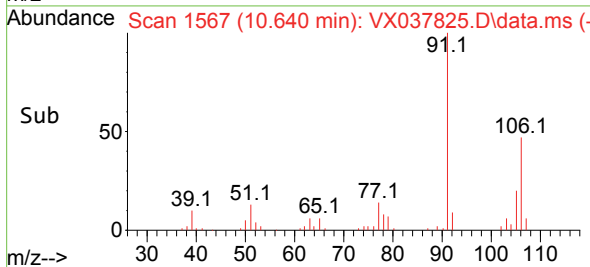
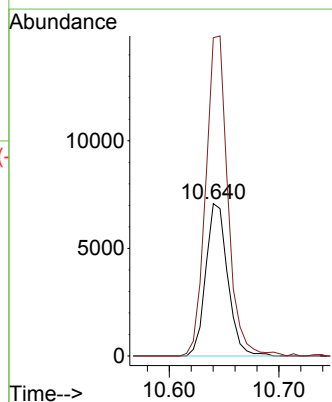
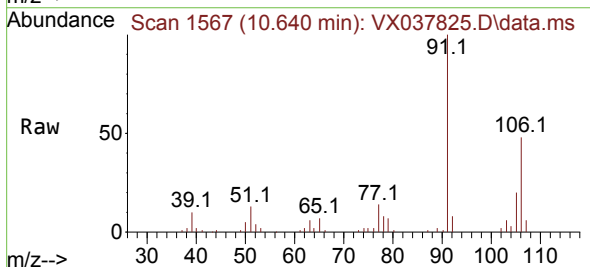
Instrument :
MSVOA_X
ClientSampleId :

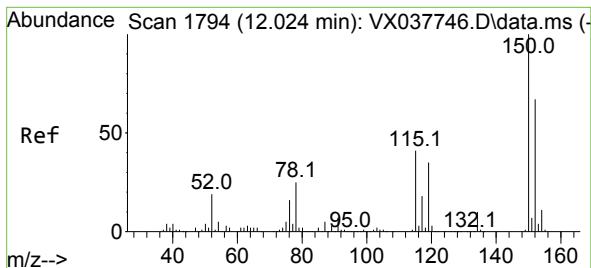
Tgt Ion:106 Resp: 20535
Ion Ratio Lower Upper
106 100
91 206.5 165.5 248.3



#69
o-Xylene
Concen: 1.766 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX037825.D
Acq: 20 Sep 2023 12:00

Tgt Ion:106 Resp: 9825
Ion Ratio Lower Upper
106 100
91 212.2 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

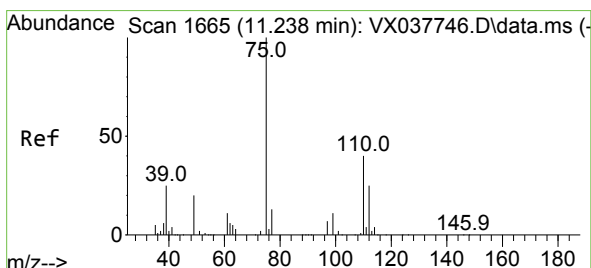
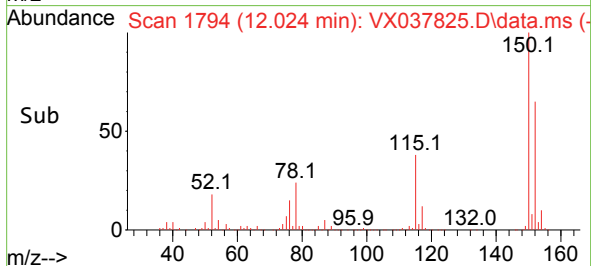
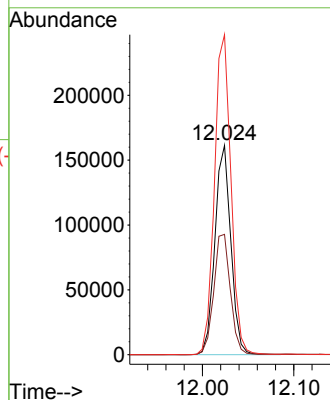
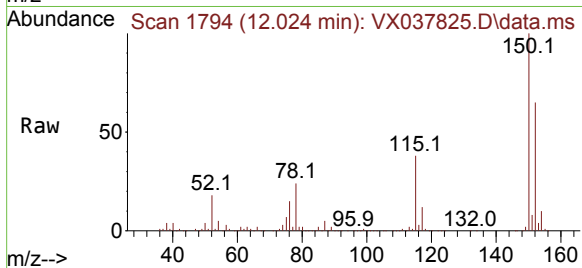
Tgt Ion:152 Resp: 195705

Ion Ratio Lower Upper

152 100

115 59.9 43.3 129.9

150 158.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037825.D

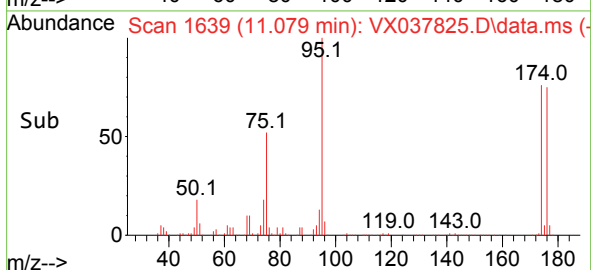
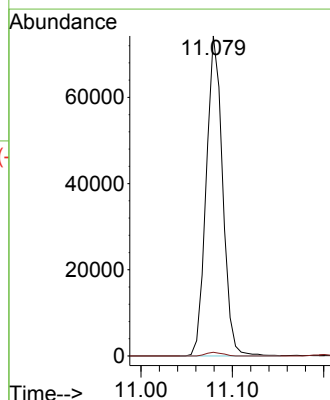
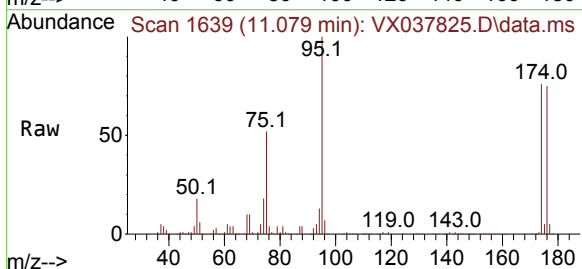
Acq: 20 Sep 2023 12:00

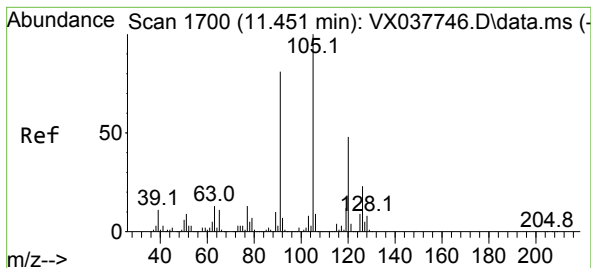
Tgt Ion: 75 Resp: 92267

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.204 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

Instrument :

MSVOA_X

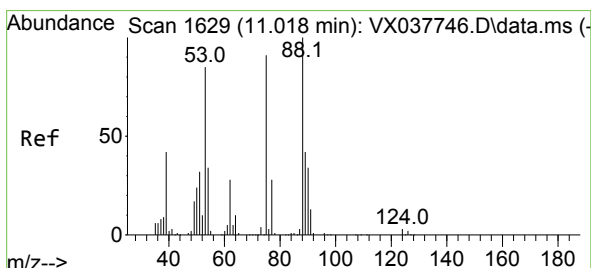
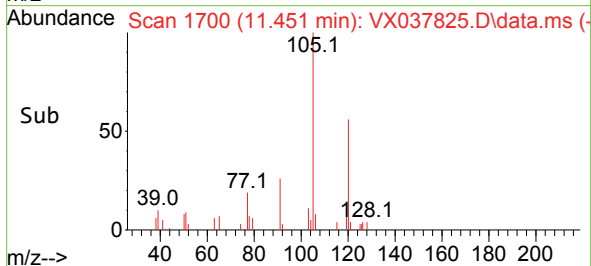
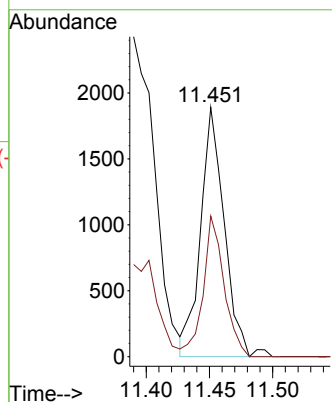
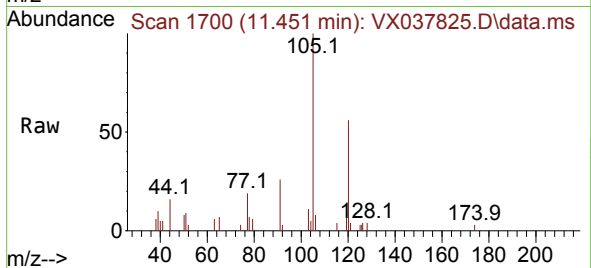
ClientSampleId :

Tgt Ion:105 Resp: 2475

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 65.297 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

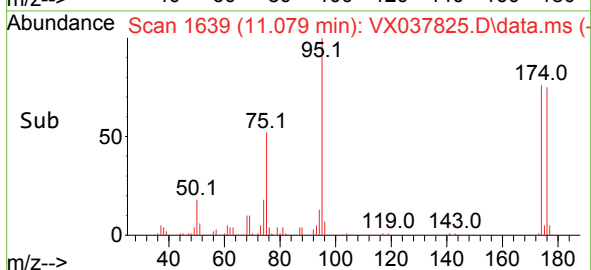
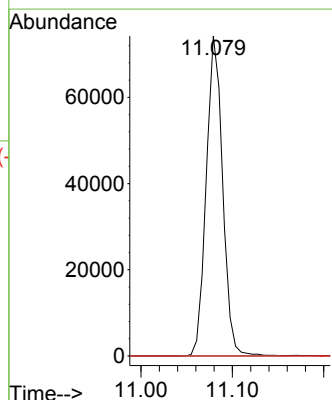
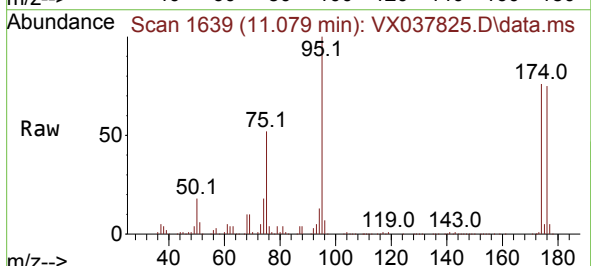
Tgt Ion: 75 Resp: 92267

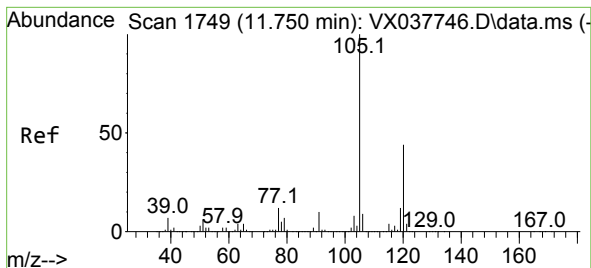
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.733 ug/l

RT: 11.756 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

Instrument :

MSVOA_X

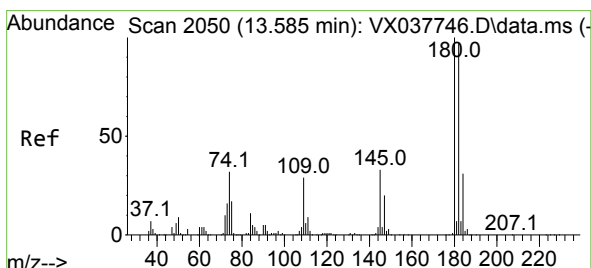
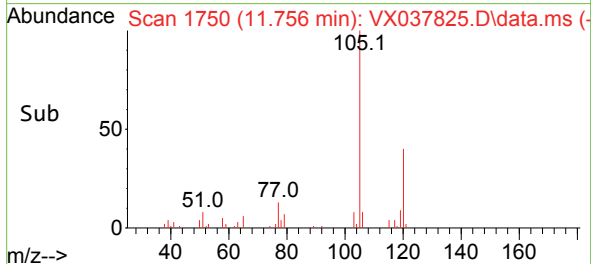
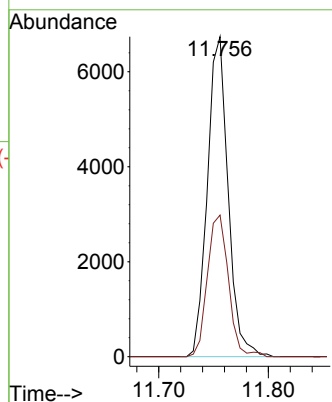
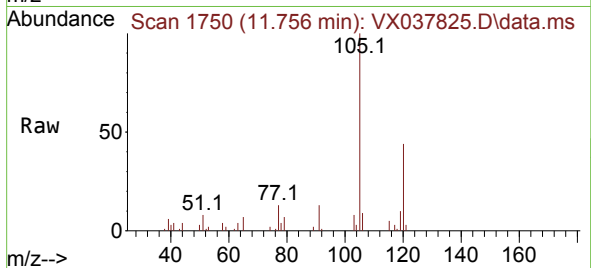
ClientSampleId :

Tgt Ion:105 Resp: 8838

Ion Ratio Lower Upper

105 100

120 45.1 21.2 63.6



#93

1,2,4-Trichlorobenzene

Concen: 0.233 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

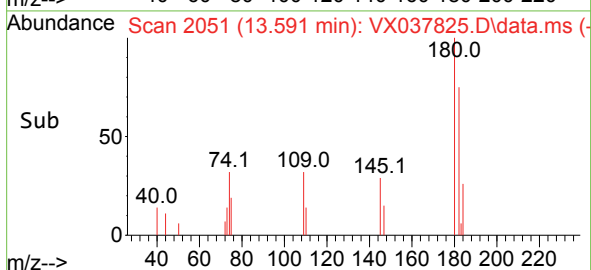
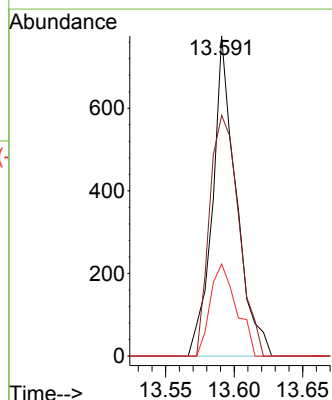
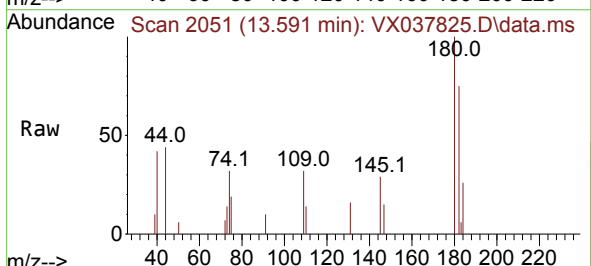
Tgt Ion:180 Resp: 929

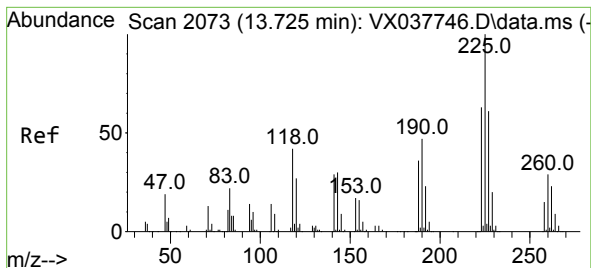
Ion Ratio Lower Upper

180 100

182 93.1 48.3 144.8

145 31.9 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.211 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

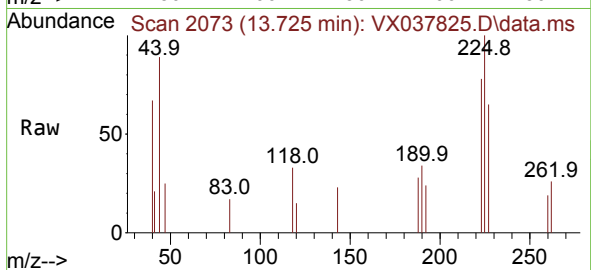
Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

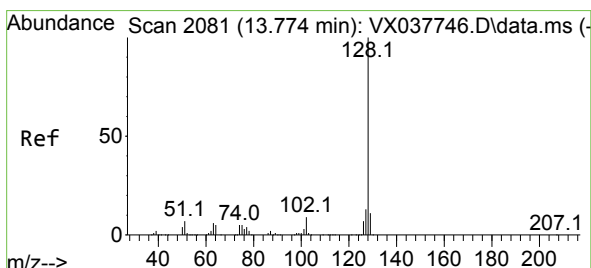
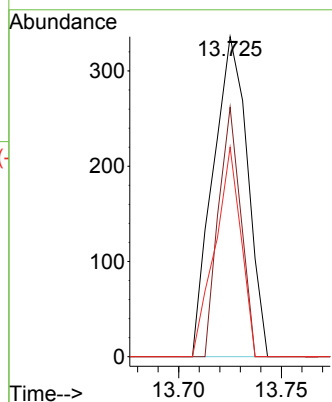
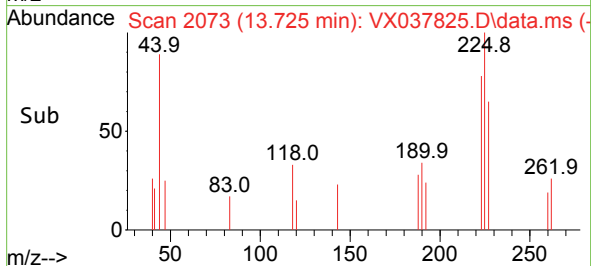
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	225	Resp:	392
Ion Ratio	Lower	Upper	
225	100		
223	50.5	31.1	93.2
227	49.2	32.5	97.5



#95

Naphthalene

Concen: 0.316 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX037825.D

Acq: 20 Sep 2023 12:00

Tgt Ion:	128	Resp:	4259
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	11.3	8.8	13.2

