

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037799.D
 Acq On : 19 Sep 2023 12:34
 Operator : JC/MD
 Sample : 04465-01 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 01:00:53 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)

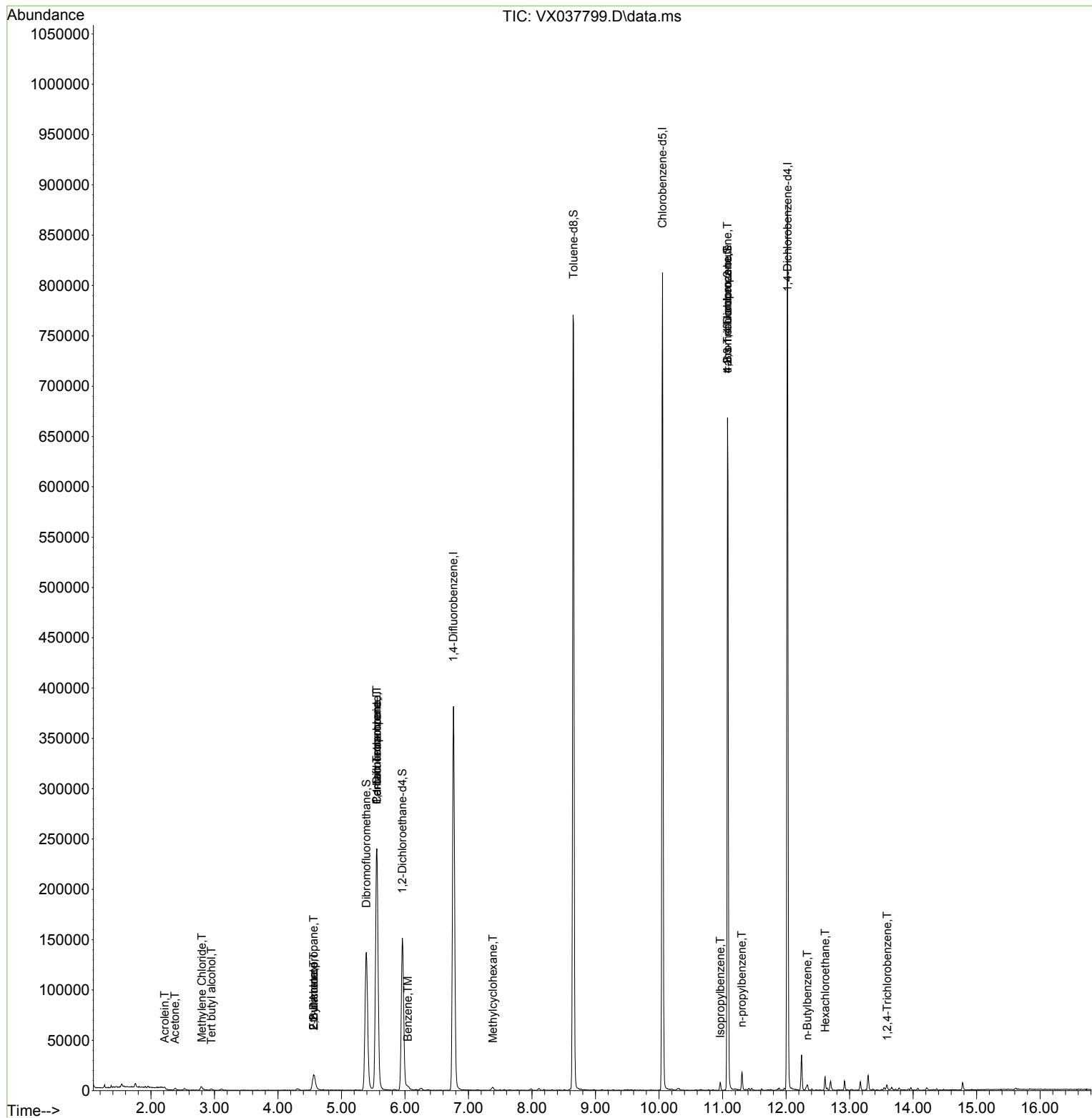
Internal Standards						
1) Pentafluorobenzene	5.556	168	234380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	395673	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	371895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	191199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145118	47.125	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.260%		
35) Dibromofluoromethane	5.391	113	121954	46.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.120%		
50) Toluene-d8	8.653	98	476251	48.414	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.820%		
62) 4-Bromofluorobenzene	11.079	95	177801	49.740	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.480%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1045	1.581	ug/l #	78
13) Acrolein	2.215	56	161	0.247	ug/l #	1
16) Acetone	2.380	43	2071	1.398	ug/l	90
20) Methylene Chloride	2.800	84	1637	0.573	ug/l #	84
25) 2-Butanone	4.562	43	1145	0.548	ug/l #	51
26) 2,2-Dichloropropane	4.562	77	1422	0.370	ug/l #	54
36) 1,1-Dichloropropene	5.556	75	18051	4.950	ug/l #	51
37) Ethyl Acetate	4.562	43	1145	0.286	ug/l #	52
38) Carbon Tetrachloride	5.556	117	23746	6.223	ug/l #	15
39) Methylcyclohexane	7.385	83	1347	0.291	ug/l #	85
40) Benzene	6.044	78	2626	0.234	ug/l	94
73) Isopropylbenzene	10.964	105	4007	0.286	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	89756	20.297	ug/l #	39
78) n-propylbenzene	11.305	91	11629	0.734	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	89756	65.017	ug/l #	5
89) n-Butylbenzene	12.335	91	2481	0.234	ug/l	80
90) Hexachloroethane	12.616	117	605	0.295	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.591	180	886	0.228	ug/l	92

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

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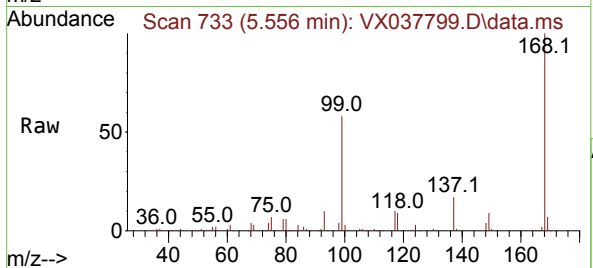
Quant Time: Sep 20 01:00:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



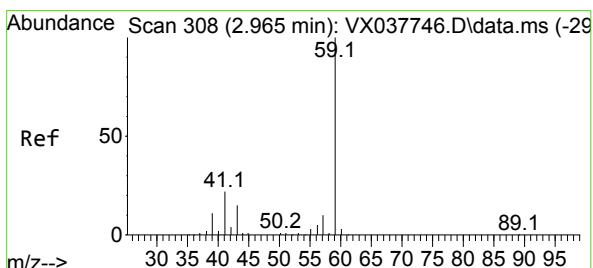
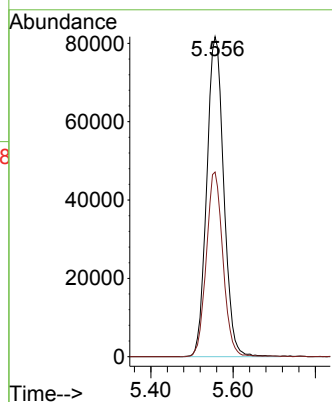
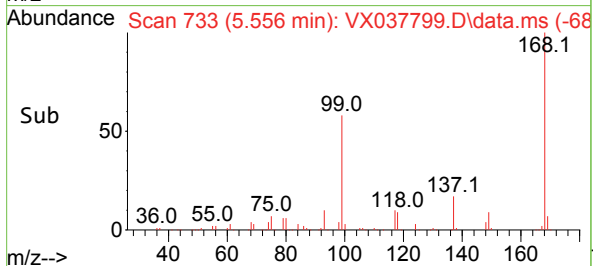


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

Instrument :
MSVOA_X
ClientSampleId :

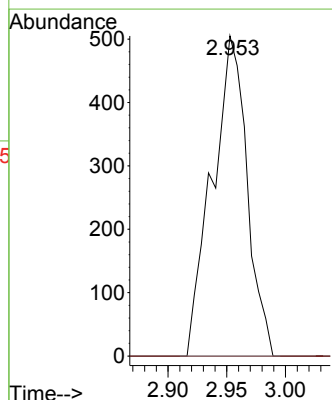
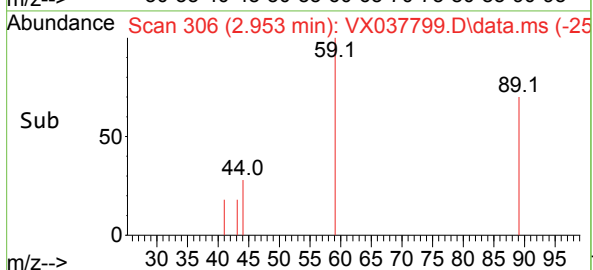
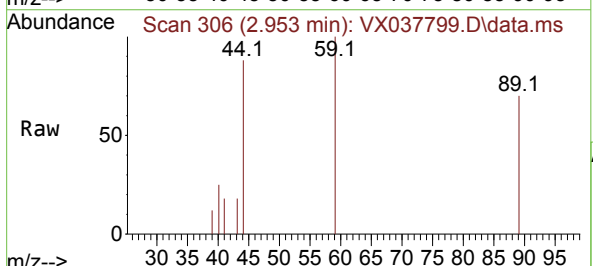


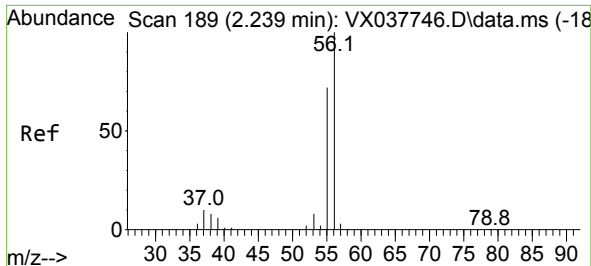
Tgt Ion:168 Resp: 234380
Ion Ratio Lower Upper
168 100
99 57.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.581 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

Tgt Ion: 59 Resp: 1045
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.247 ug/l

RT: 2.215 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX037799.D

Acq: 19 Sep 2023 12:34

Instrument :

MSVOA_X

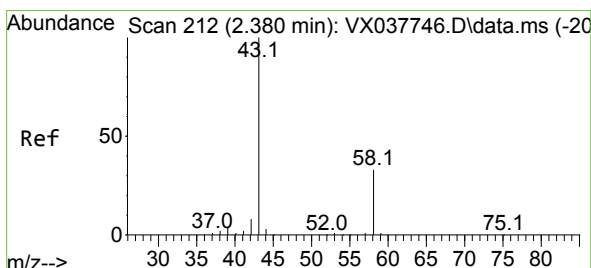
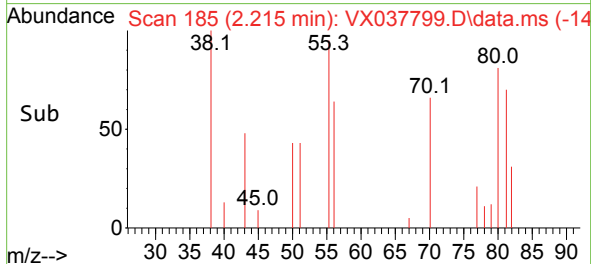
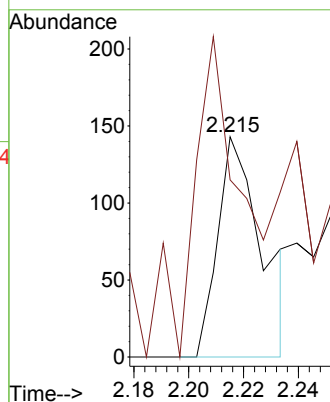
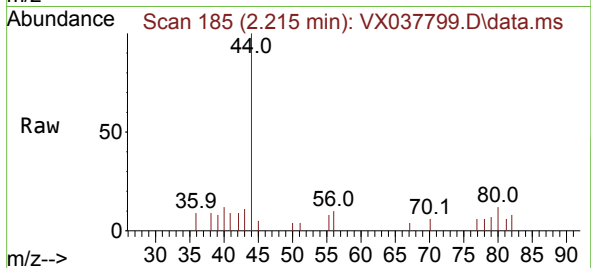
ClientSampleId :

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 159.6 57.1 85.7#



#16

Acetone

Concen: 1.398 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037799.D

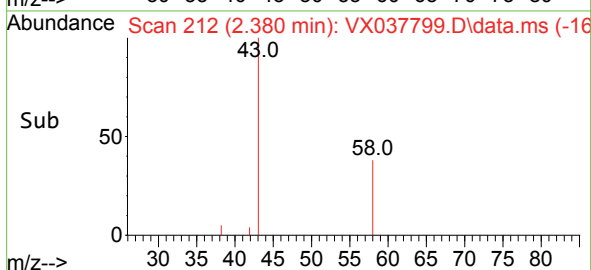
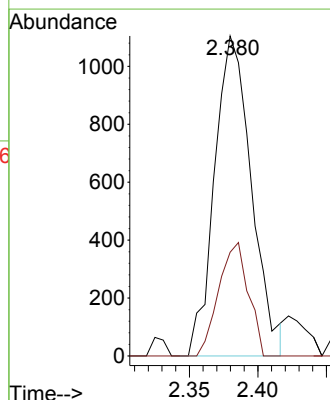
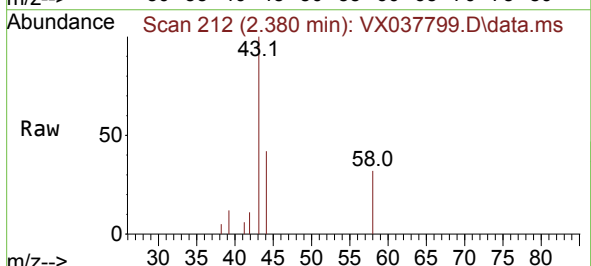
Acq: 19 Sep 2023 12:34

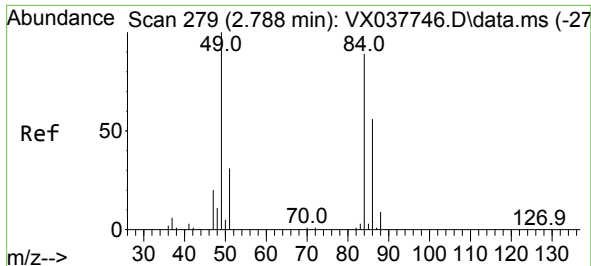
Tgt Ion: 43 Resp: 2071

Ion Ratio Lower Upper

43 100

58 32.4 21.9 32.9





#20

Methylene Chloride

Concen: 0.573 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

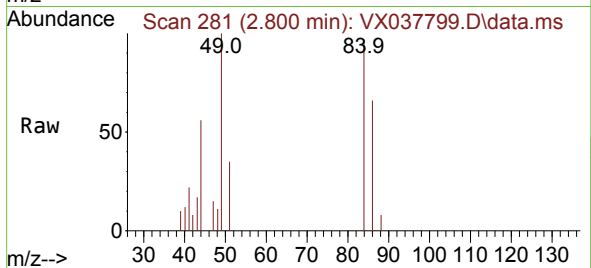
Lab File: VX037799.D

Acq: 19 Sep 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1637

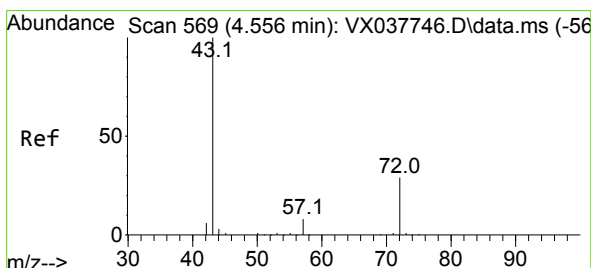
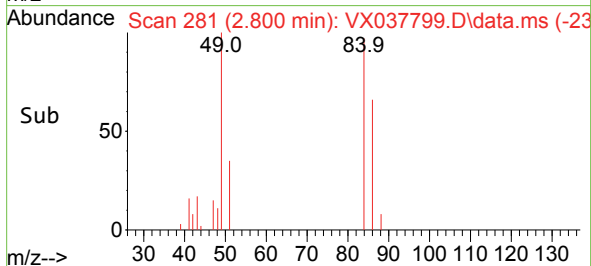
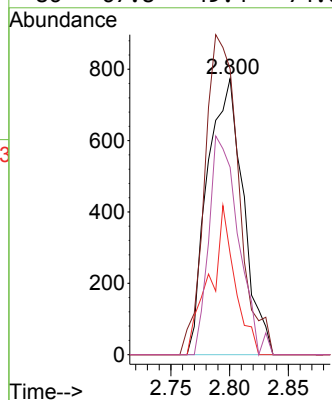
Ion Ratio Lower Upper

84 100

49 103.5 103.6 155.4#

51 36.6 33.8 50.6

86 67.8 49.4 74.0



#25

2-Butanone

Concen: 0.548 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.006 min

Lab File: VX037799.D

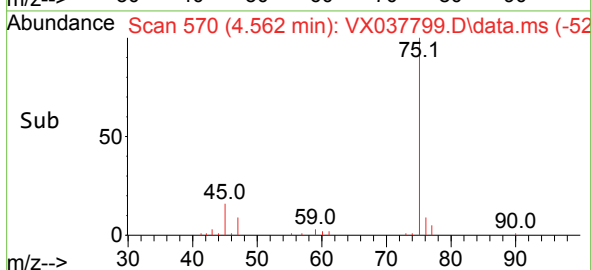
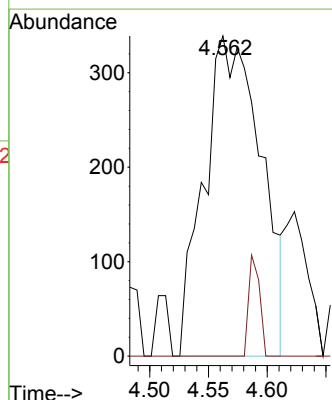
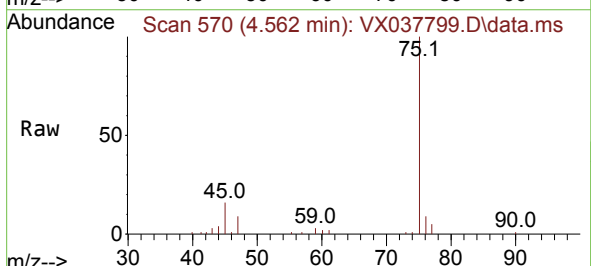
Acq: 19 Sep 2023 12:34

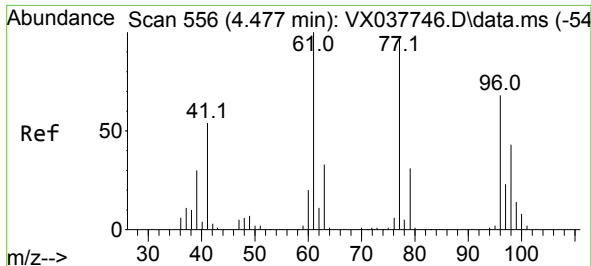
Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 0.370 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.085 min

Lab File: VX037799.D

Acq: 19 Sep 2023 12:34

Instrument :

MSVOA_X

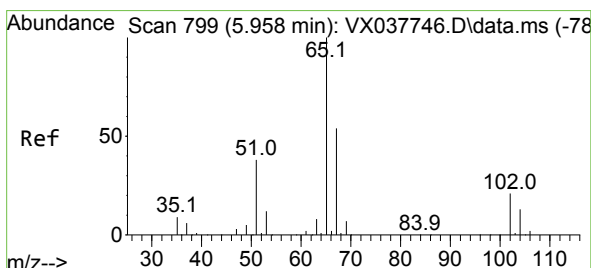
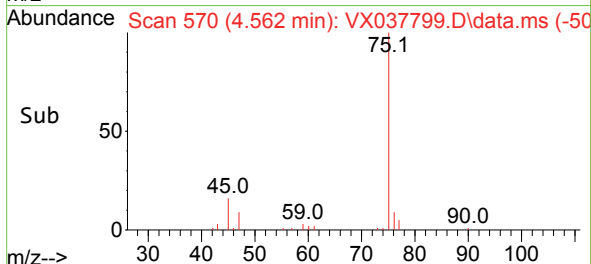
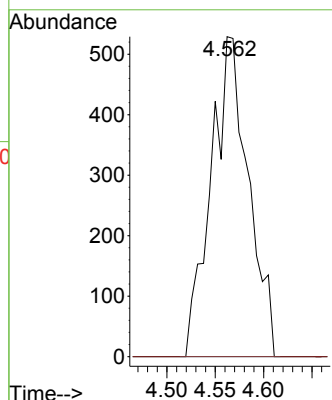
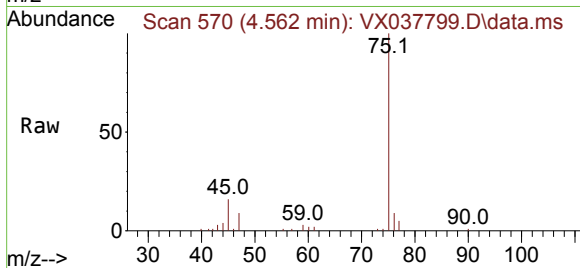
ClientSampleId :

Tgt Ion: 77 Resp: 1422

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#33

1,2-Dichloroethane-d4

Concen: 47.125 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037799.D

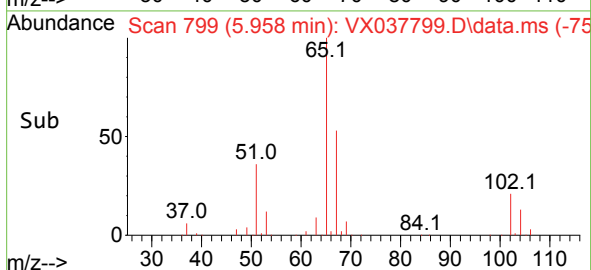
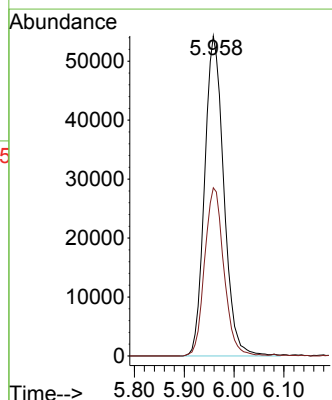
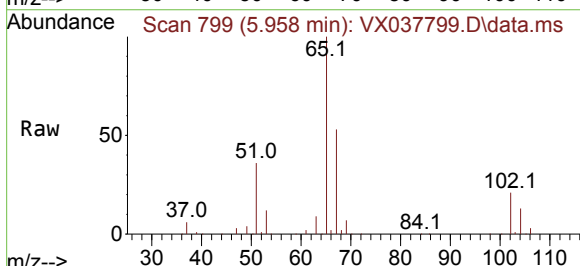
Acq: 19 Sep 2023 12:34

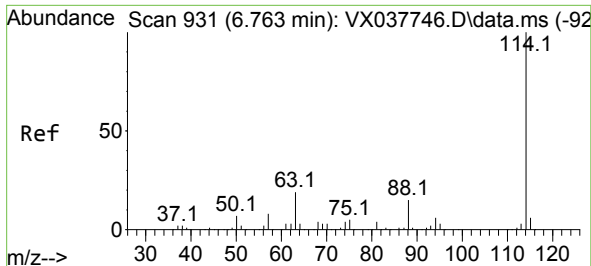
Tgt Ion: 65 Resp: 145118

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2

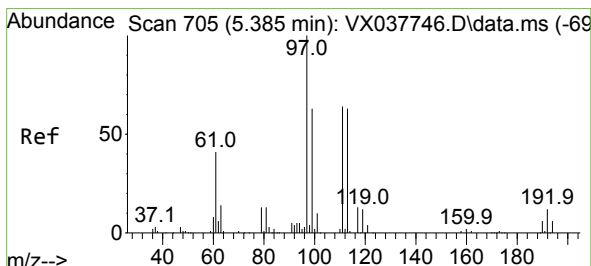
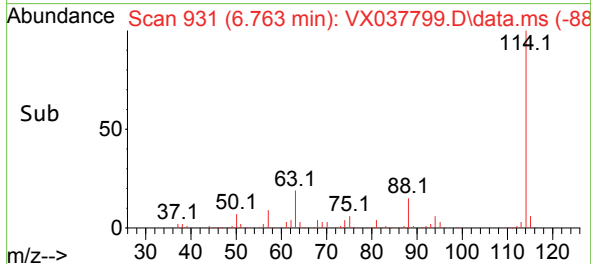
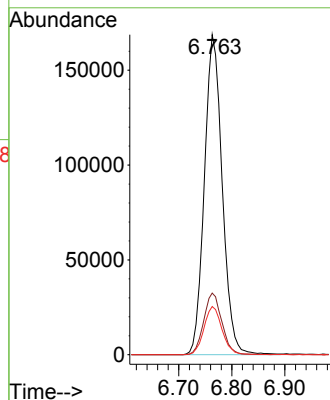
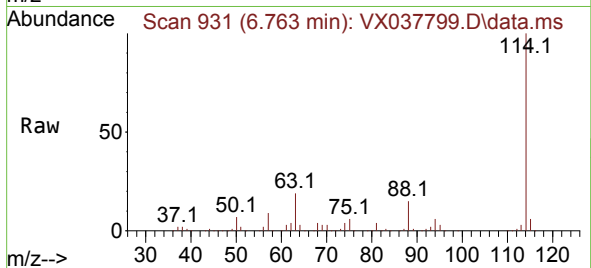




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

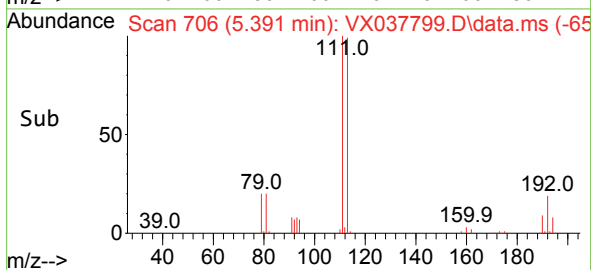
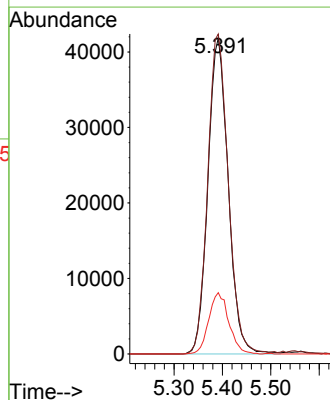
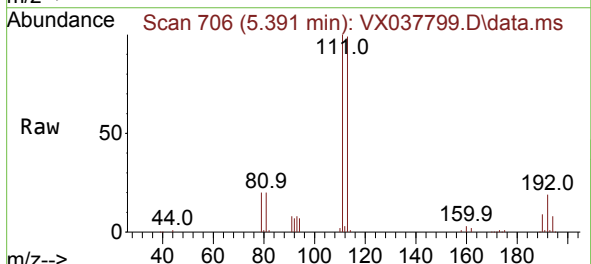
Instrument :
MSVOA_X
ClientSampleId :

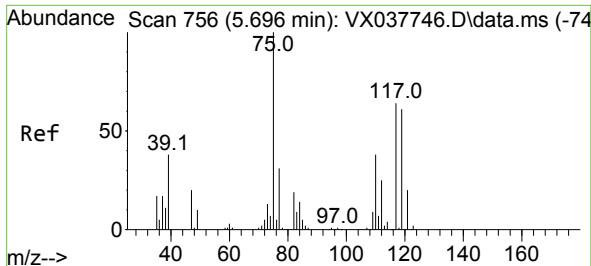
Tgt Ion:114 Resp: 395673
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.064 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

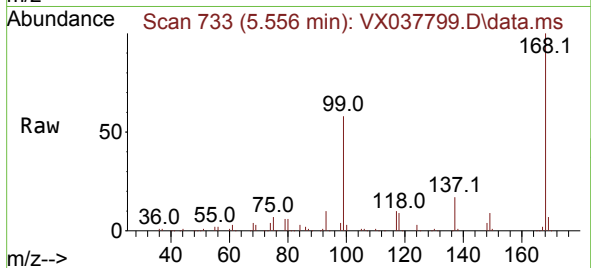
Tgt Ion:113 Resp: 121954
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 19.2 13.3 19.9



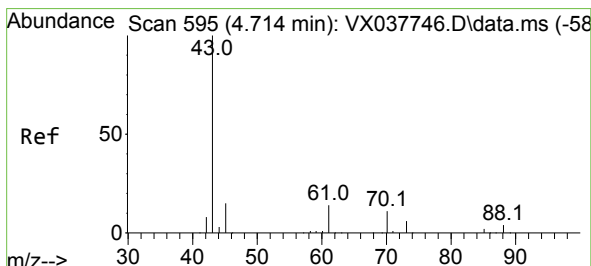
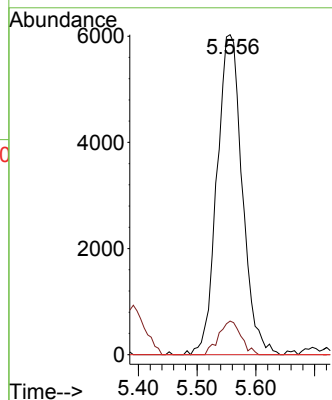
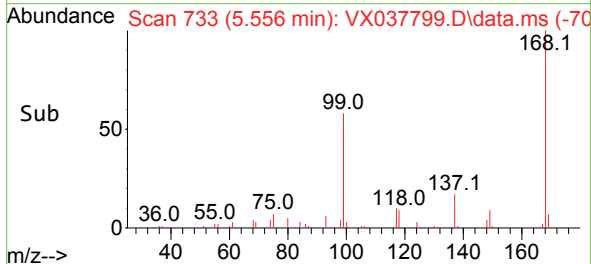


#36
1,1-Dichloropropene
Concen: 4.950 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

Instrument :
MSVOA_X
ClientSampleId :

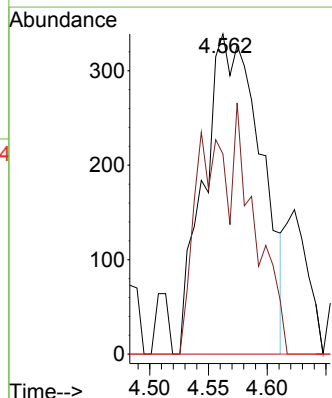
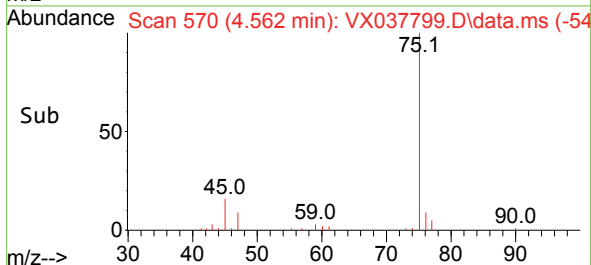
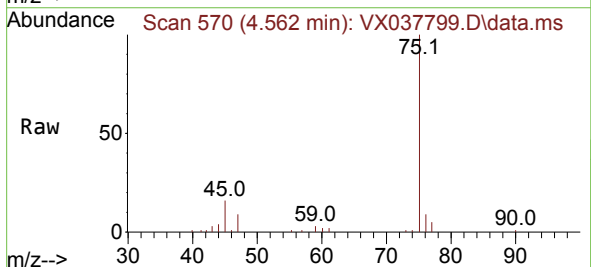


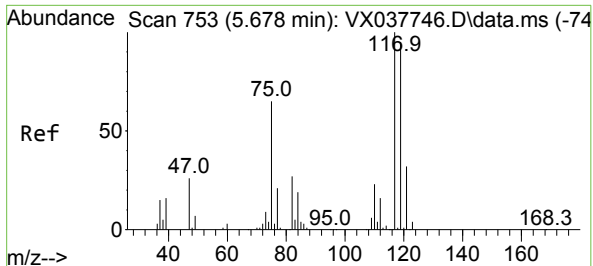
Tgt Ion: 75 Resp: 18051
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.286 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.171 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

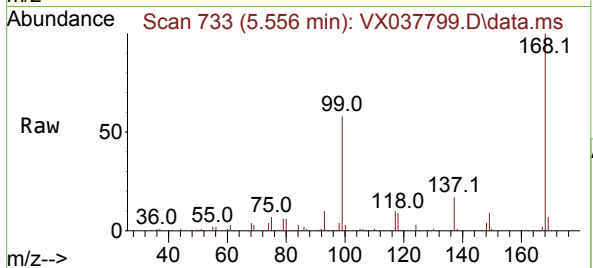
Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
61 38.9 10.6 16.0#
70 0.0 8.3 12.5#



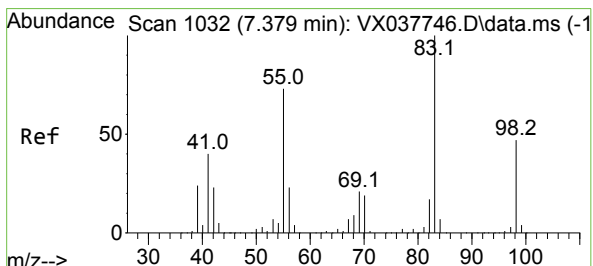
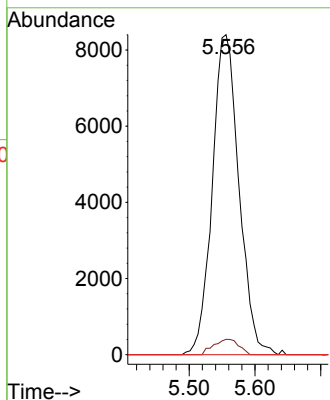
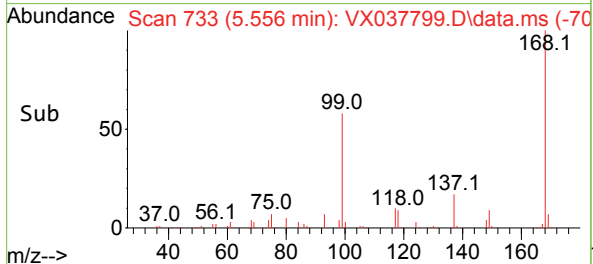


#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

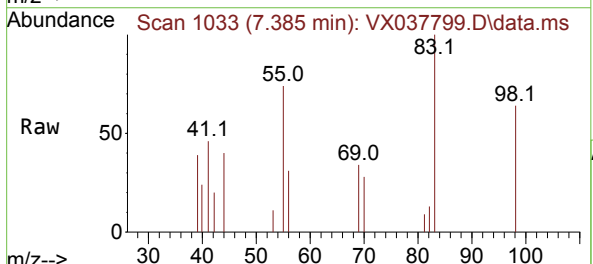
Instrument :
MSVOA_X
ClientSampleId :



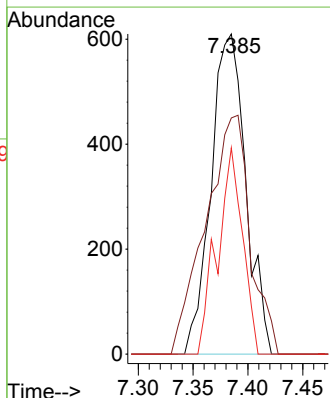
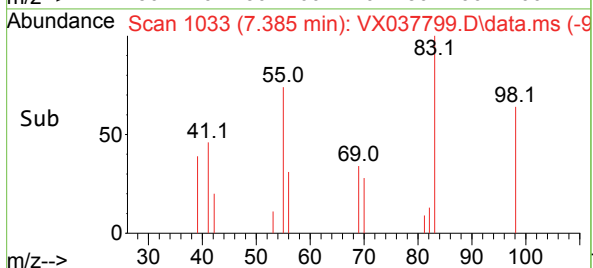
Tgt Ion: 117 Resp: 23746
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#

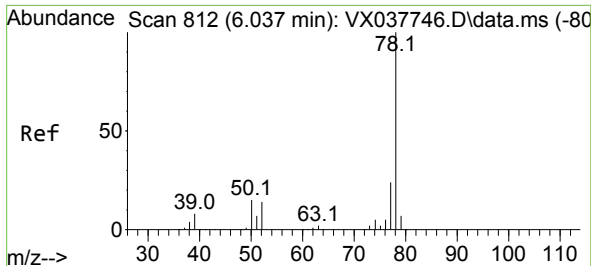


#39
Methylcyclohexane
Concen: 0.291 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34



Tgt Ion: 83 Resp: 1347
Ion Ratio Lower Upper
83 100
55 73.8 64.6 97.0
98 64.4 36.7 55.1#

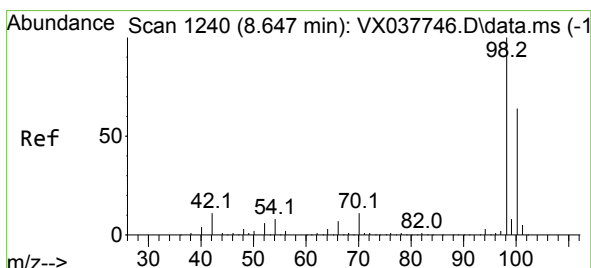
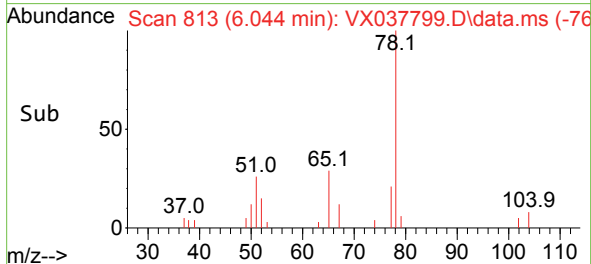
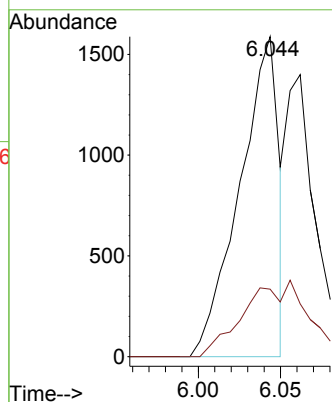
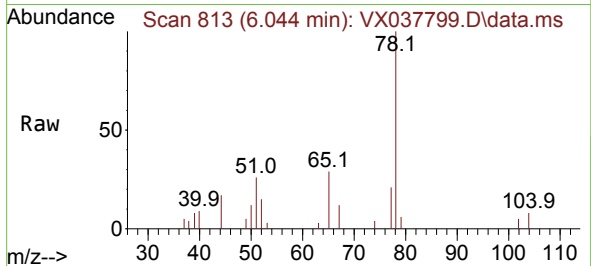




#40
Benzene
Concen: 0.234 ug/l
RT: 6.044 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

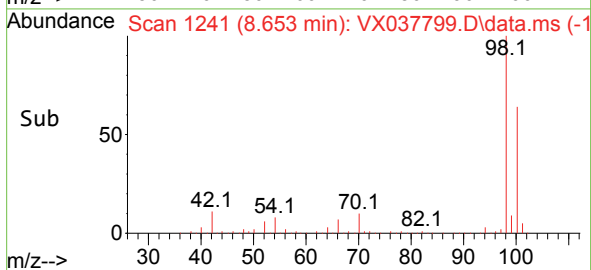
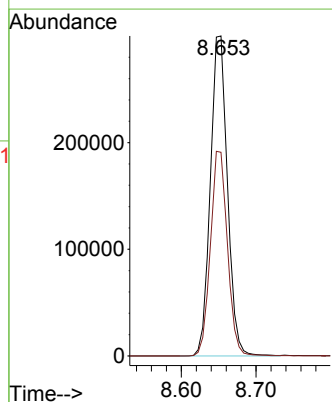
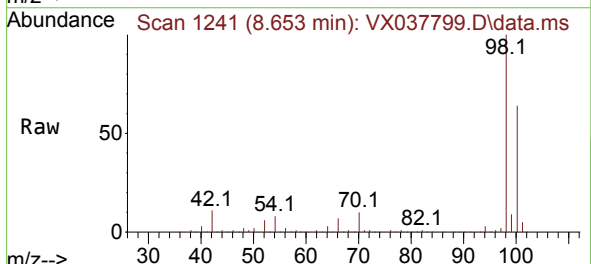
Instrument :
MSVOA_X
ClientSampleId :

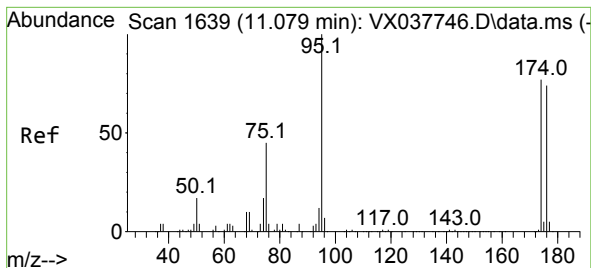
Tgt Ion: 78 Resp: 2626
Ion Ratio Lower Upper
78 100
77 21.1 19.3 28.9



#50
Toluene-d8
Concen: 48.414 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

Tgt Ion: 98 Resp: 476251
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

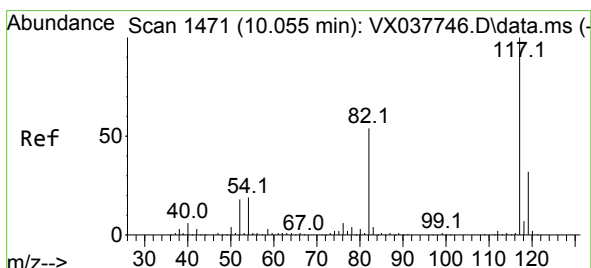
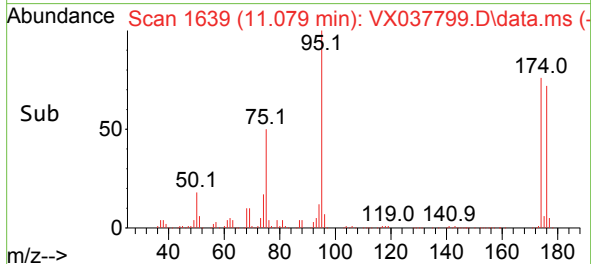
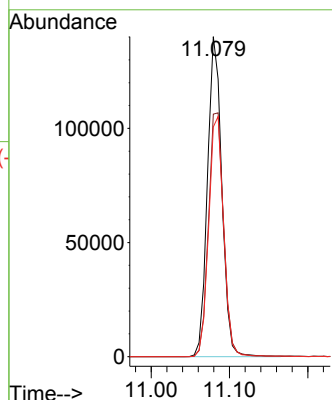
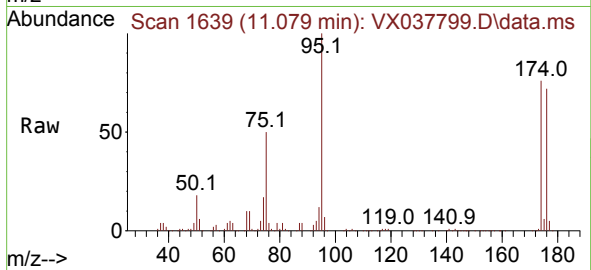




#62
4-Bromofluorobenzene
Concen: 49.740 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

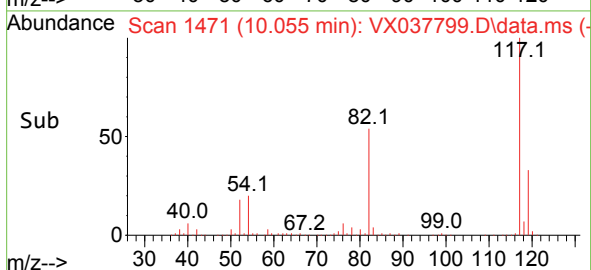
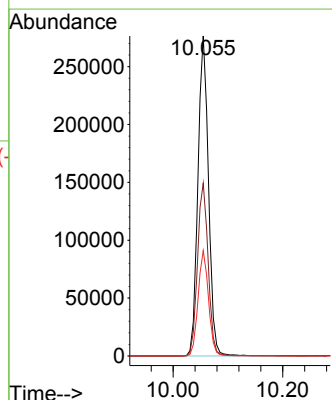
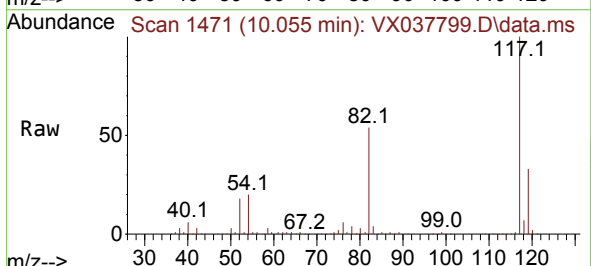
Instrument :
MSVOA_X
ClientSampleId :

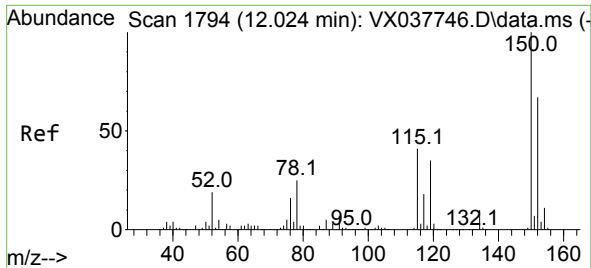
Tgt Ion: 95 Resp: 177801
Ion Ratio Lower Upper
95 100
174 80.8 0.0 135.6
176 78.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

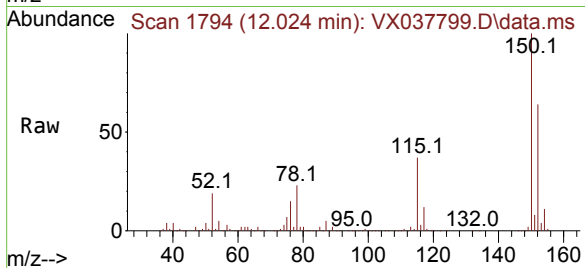
Tgt Ion: 117 Resp: 371895
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.9 25.5 38.3



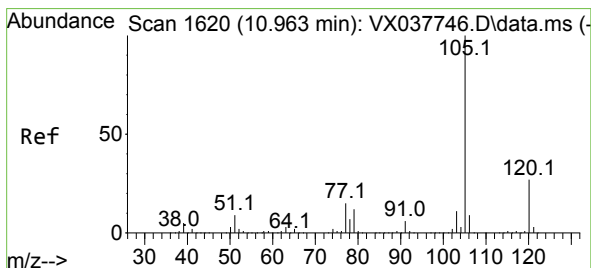
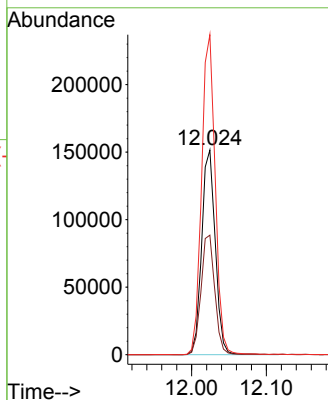
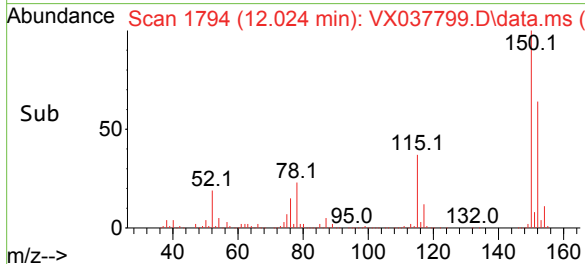


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037799.D
 Acq: 19 Sep 2023 12:34

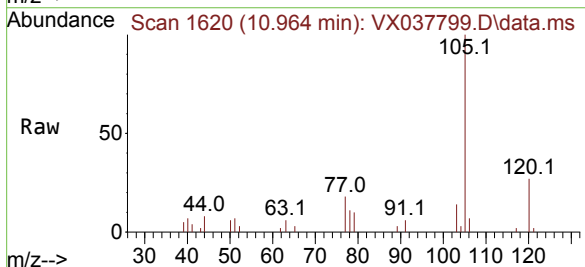
Instrument :
 MSVOA_X
 ClientSampleId :



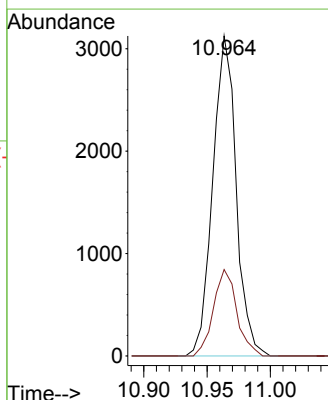
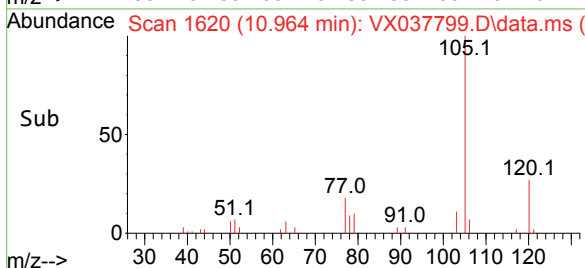
Tgt Ion:152 Resp: 191199
 Ion Ratio Lower Upper
 152 100
 115 59.4 43.3 129.9
 150 157.0 0.0 345.0

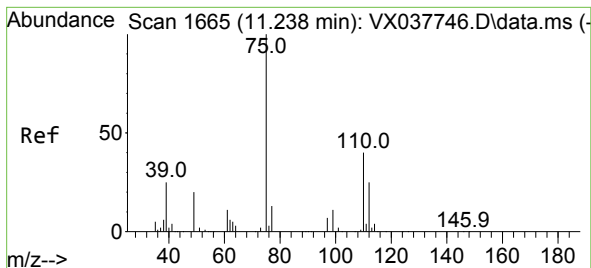


#73
 Isopropylbenzene
 Concen: 0.286 ug/l
 RT: 10.964 min Scan# 1620
 Delta R.T. -0.000 min
 Lab File: VX037799.D
 Acq: 19 Sep 2023 12:34



Tgt Ion:105 Resp: 4007
 Ion Ratio Lower Upper
 105 100
 120 27.0 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 20.297 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX037799.D

Acq: 19 Sep 2023 12:34

Instrument :

MSVOA_X

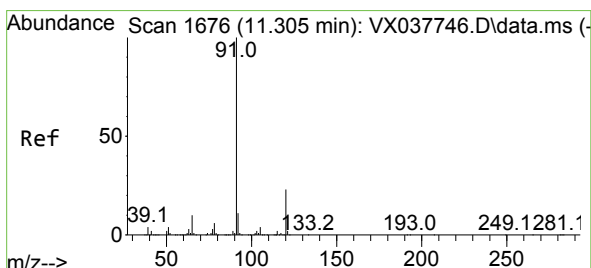
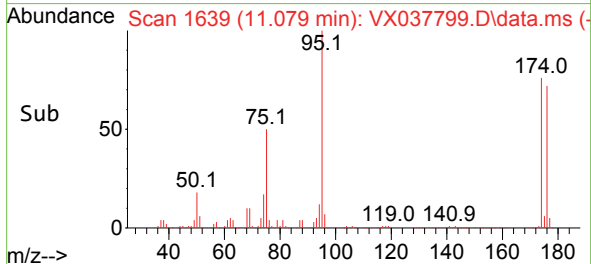
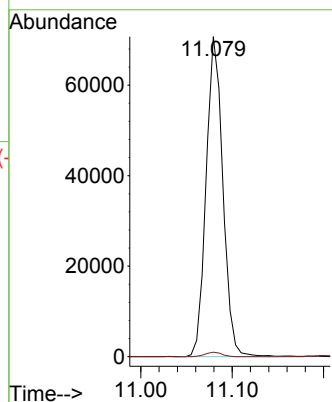
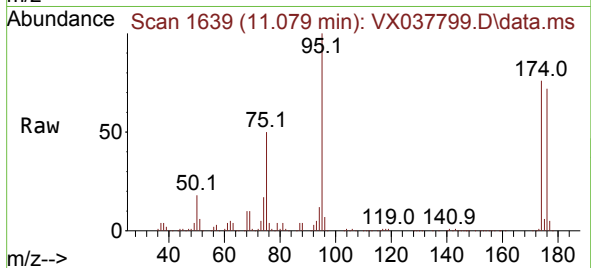
ClientSampleId :

Tgt Ion: 75 Resp: 89756

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#78

n-propylbenzene

Concen: 0.734 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037799.D

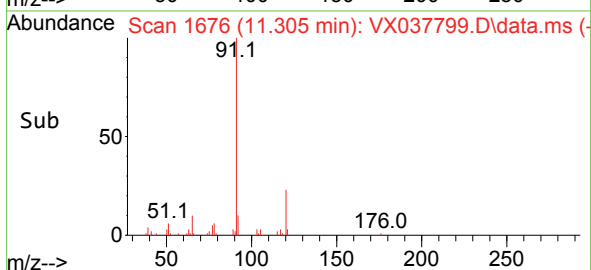
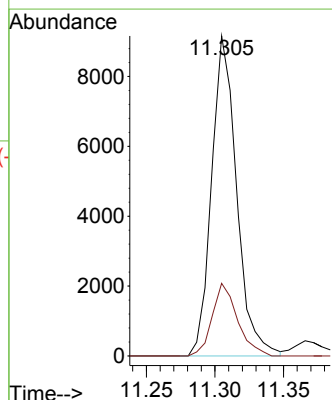
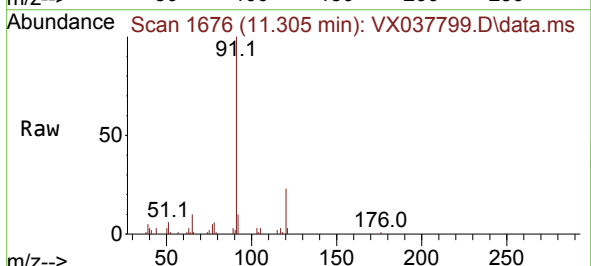
Acq: 19 Sep 2023 12:34

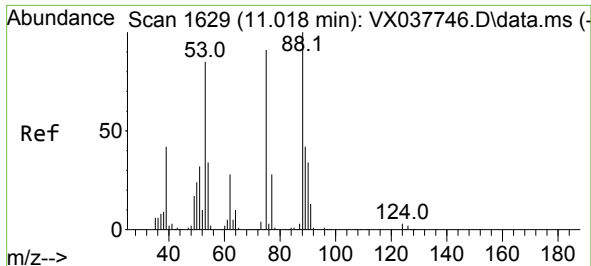
Tgt Ion: 91 Resp: 11629

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4

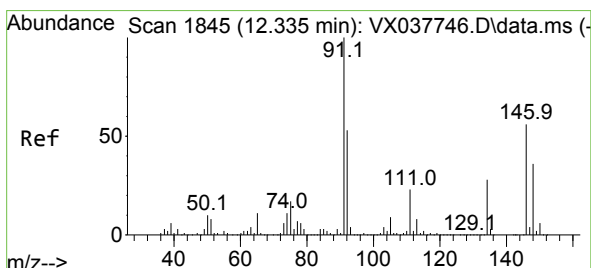
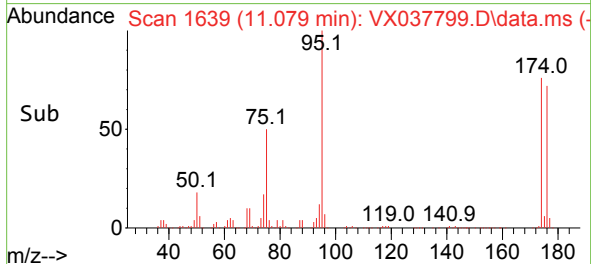
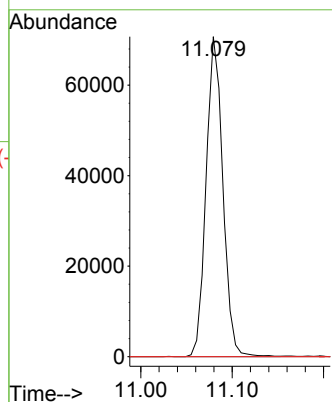
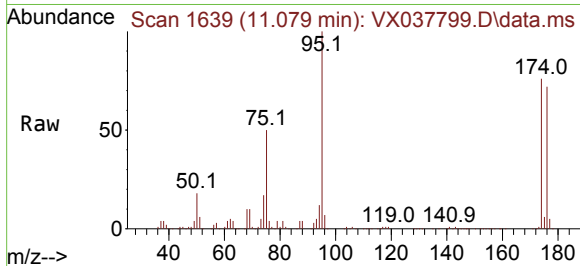




#81
trans-1,4-Dichloro-2-butene
Concen: 65.017 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

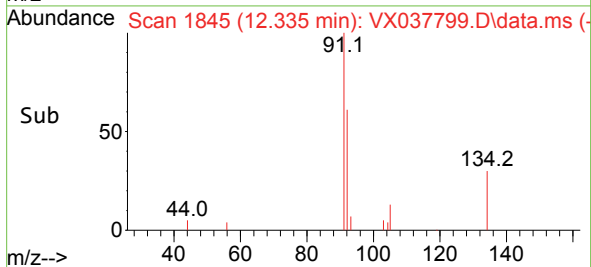
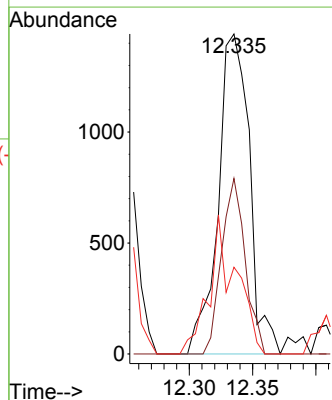
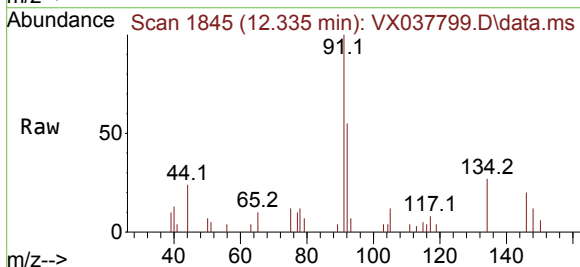
Instrument :
MSVOA_X
ClientSampleId :

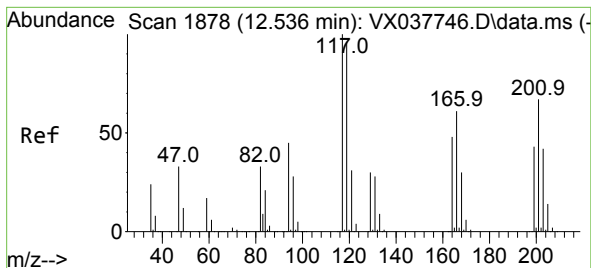
Tgt Ion: 75 Resp: 89756
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.234 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037799.D
Acq: 19 Sep 2023 12:34

Tgt Ion: 91 Resp: 2481
Ion Ratio Lower Upper
91 100
92 41.5 27.4 82.0
134 37.3 12.6 37.8





#90

Hexachloroethane

Concen: 0.295 ug/l

RT: 12.616 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX037799.D

Acq: 19 Sep 2023 12:34

Instrument :

MSVOA_X

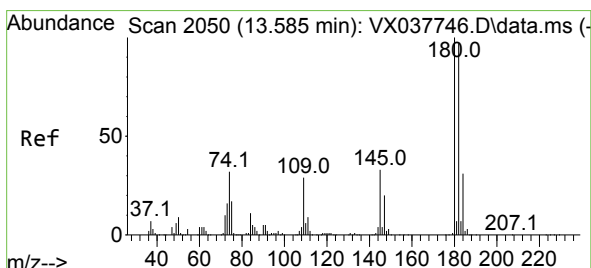
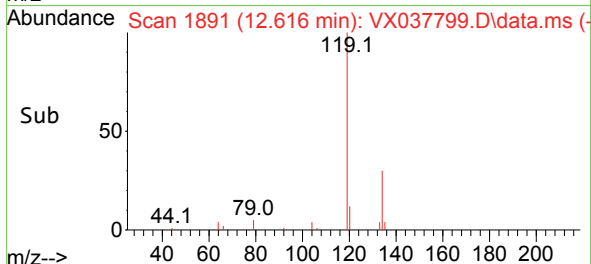
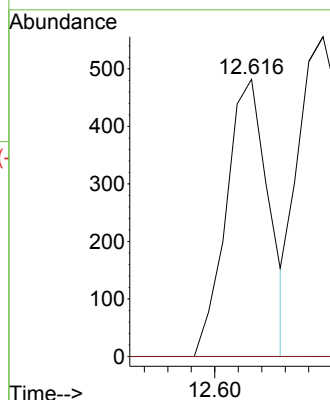
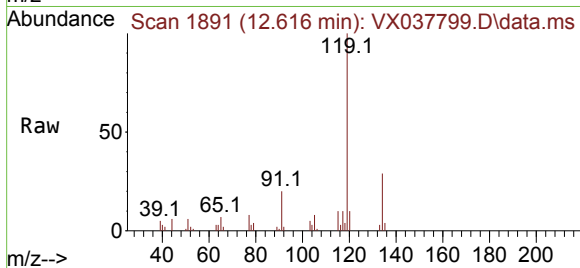
ClientSampleId :

Tgt Ion:117 Resp: 605

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.228 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037799.D

Acq: 19 Sep 2023 12:34

Tgt Ion:180 Resp: 886

Ion Ratio Lower Upper

180 100

182 98.3 48.3 144.8

145 50.3 18.0 54.0

