

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037794.D
 Acq On : 19 Sep 2023 10:35
 Operator : JC/MD
 Sample : VX0919WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:57:51 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

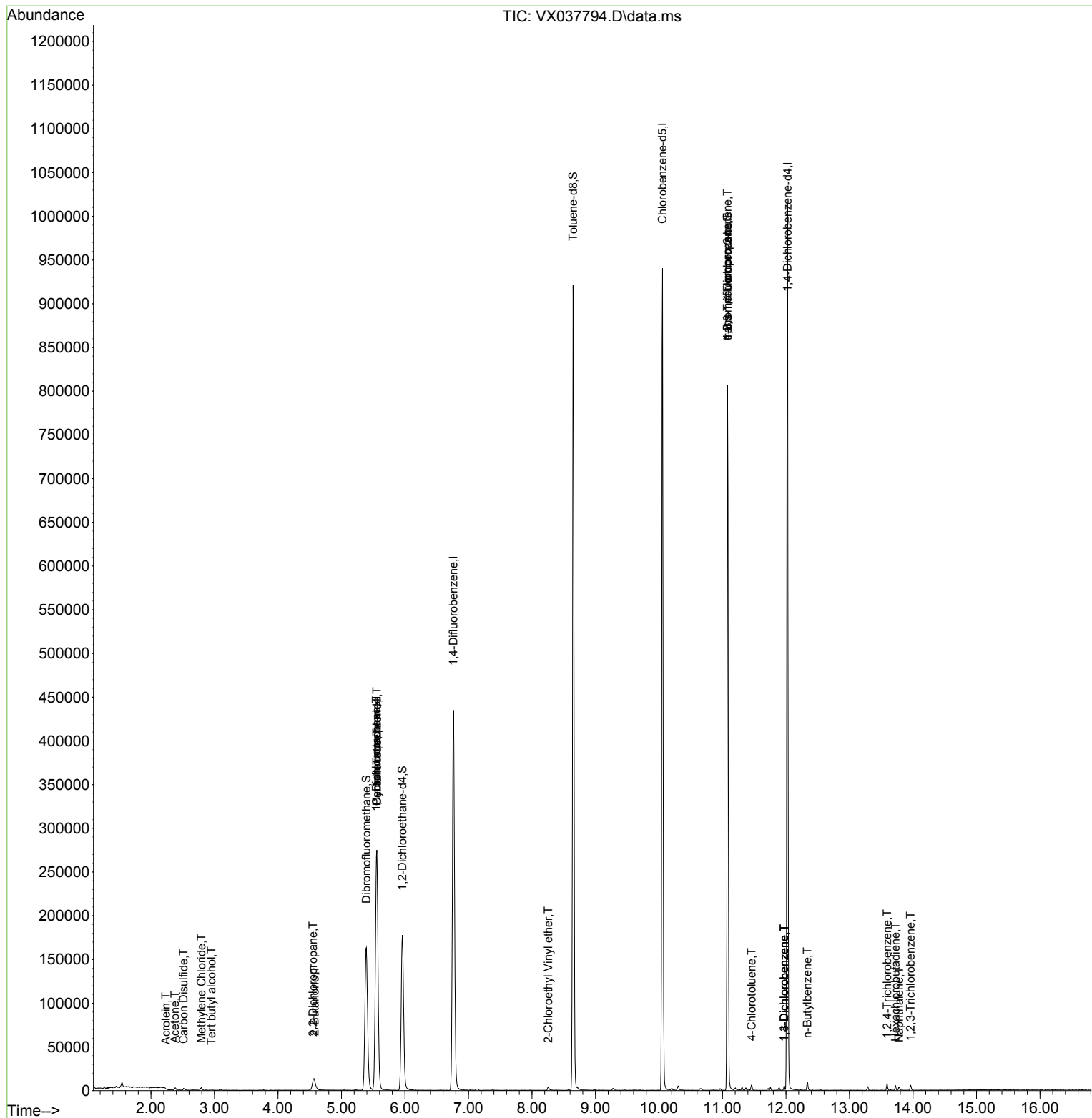
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	268877	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	456561	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	429917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	217521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	169500	47.981	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.960%
35) Dibromofluoromethane	5.391	113	144810	47.403	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.800%
50) Toluene-d8	8.647	98	550180	48.471	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.940%
62) 4-Bromofluorobenzene	11.079	95	204094	49.482	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.960%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	793	1.046	ug/l	# 78
13) Acrolein	2.233	56	386	0.515	ug/l	# 80
16) Acetone	2.380	43	2899	1.706	ug/l	# 84
17) Carbon Disulfide	2.514	76	1624	0.247	ug/l	99
20) Methylene Chloride	2.794	84	1489	0.449	ug/l	# 90
25) 2-Butanone	4.574	43	729	0.304	ug/l	# 88
26) 2,2-Dichloropropane	4.550	77	1118	0.254	ug/l	# 54
31) Cyclohexane	5.556	56	5700	1.257	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	20296	4.823	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	27235	6.185	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	8.257	63	2023	0.825	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	104775	20.826	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	104775	66.712	ug/l	# 5
82) 4-Chlorotoluene	11.457	91	2519	0.201	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	1724	0.234	ug/l	94
88) 1,4-Dichlorobenzene	11.969	146	1724	0.229	ug/l	95
89) n-Butylbenzene	12.335	91	3004	0.249	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	2153	0.486	ug/l	95
94) Hexachlorobutadiene	13.725	225	820	0.397	ug/l	92
95) Naphthalene	13.780	128	3275	0.219	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1799	0.395	ug/l	93

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

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Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
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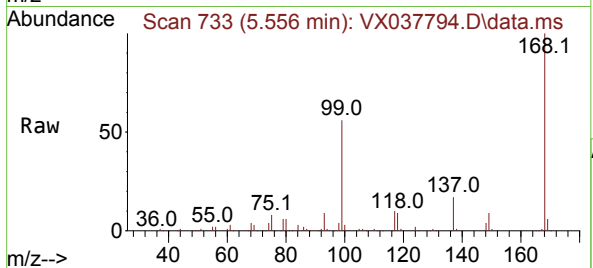


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

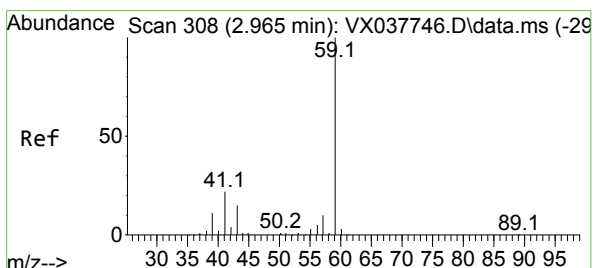
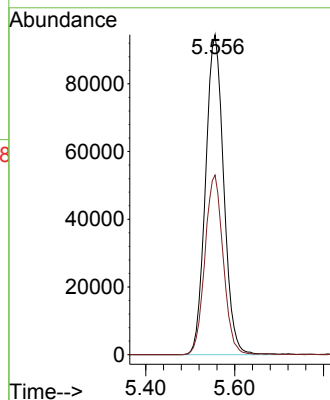
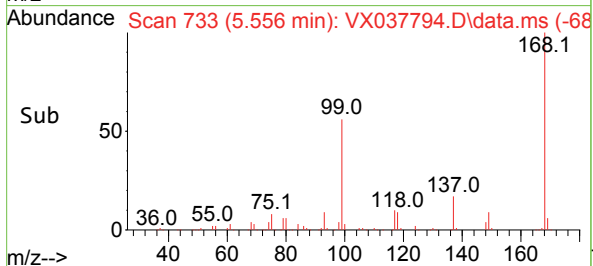
Instrument :

MSVOA_X

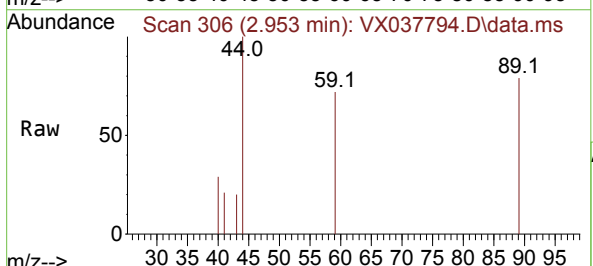
ClientSampleId :



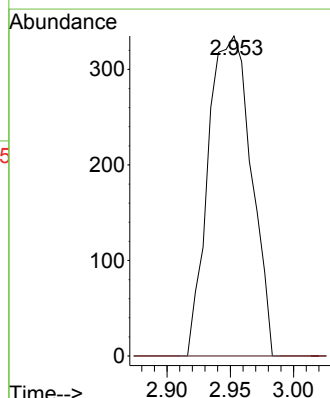
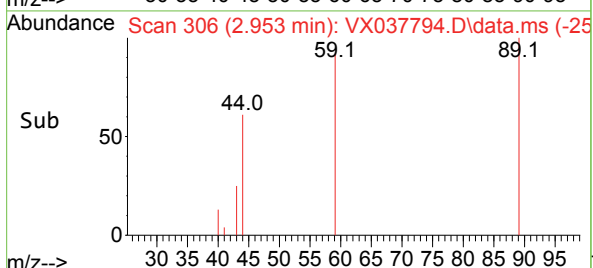
Tgt Ion:168 Resp: 268877
Ion Ratio Lower Upper
168 100
99 56.1 56.6 85.0#

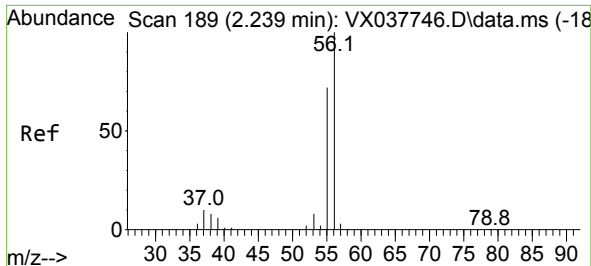


#11
Tert butyl alcohol
Concen: 1.046 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35



Tgt Ion: 59 Resp: 793
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.515 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

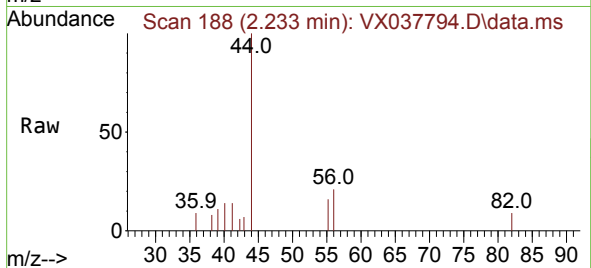
Lab File: VX037794.D

Acq: 19 Sep 2023 10:35

Instrument :

MSVOA_X

ClientSampleId :

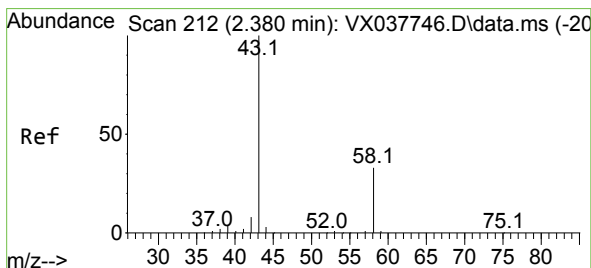
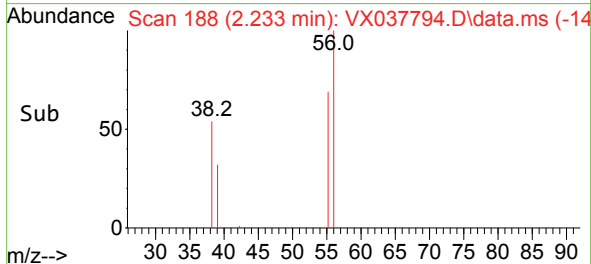
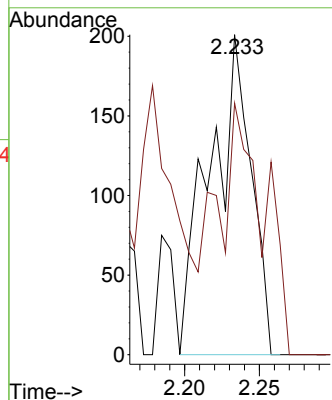


Tgt Ion: 56 Resp: 386

Ion Ratio Lower Upper

56 100

55 87.8 57.1 85.7#



#16

Acetone

Concen: 1.706 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX037794.D

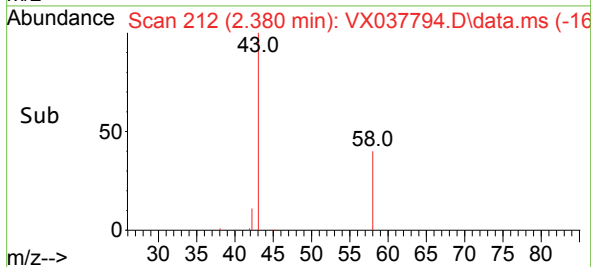
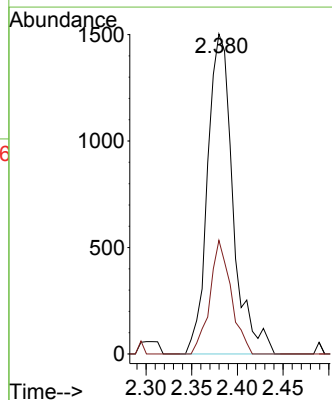
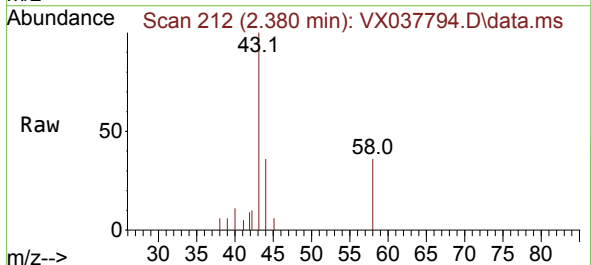
Acq: 19 Sep 2023 10:35

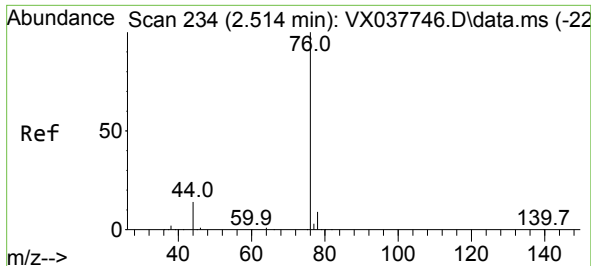
Tgt Ion: 43 Resp: 2899

Ion Ratio Lower Upper

43 100

58 35.5 21.9 32.9#

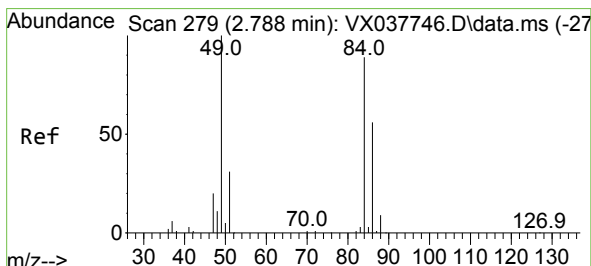
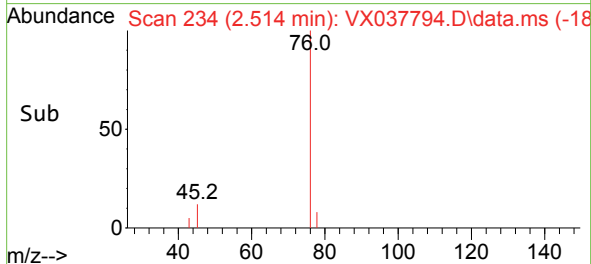
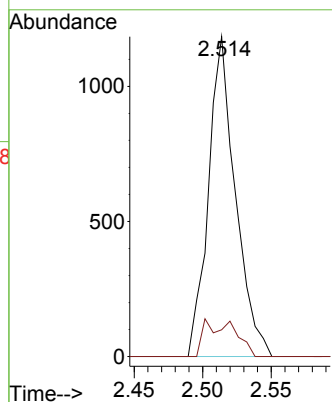
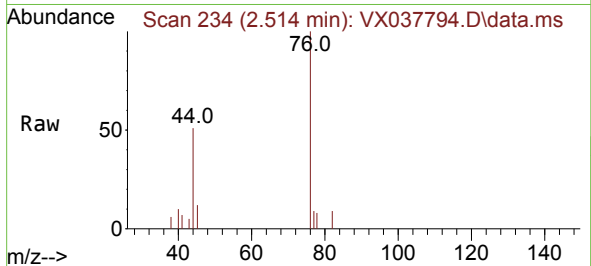




#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

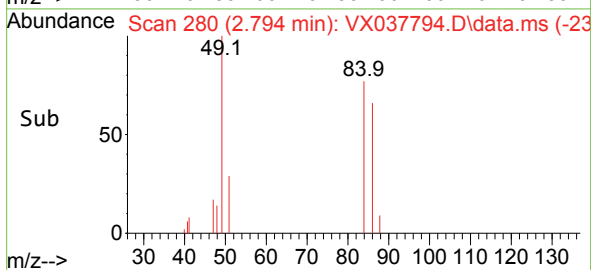
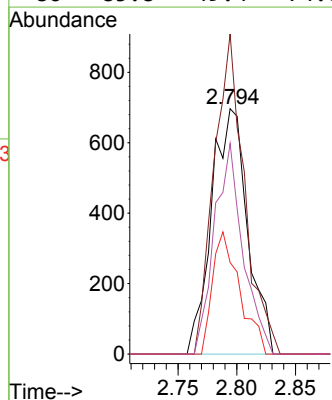
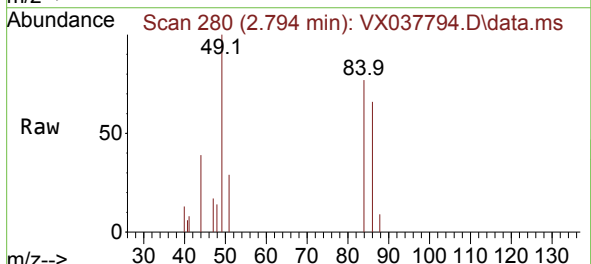
Instrument :
MSVOA_X
ClientSampleId :

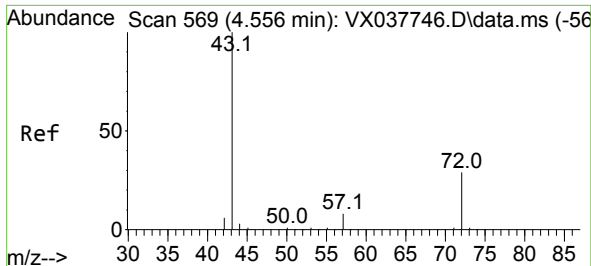
Tgt Ion: 76 Resp: 1624
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



#20
Methylene Chloride
Concen: 0.449 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Tgt Ion: 84 Resp: 1489
Ion Ratio Lower Upper
84 100
49 130.4 103.6 155.4
51 37.3 33.8 50.6
86 85.8 49.4 74.0#





#25

2-Butanone

Concen: 0.304 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037794.D

Acq: 19 Sep 2023 10:35

Instrument :

MSVOA_X

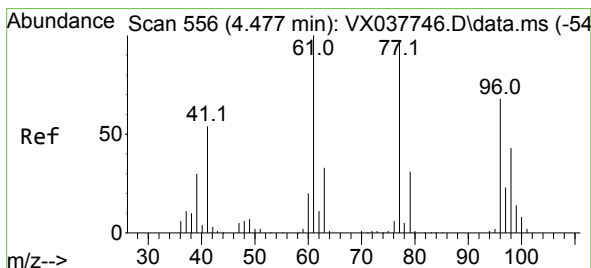
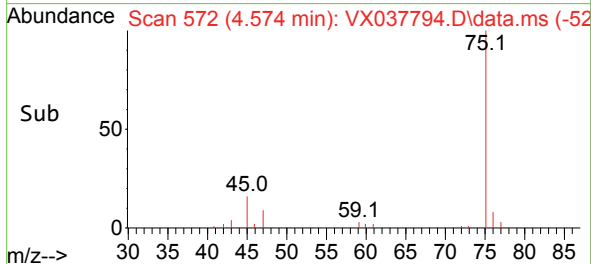
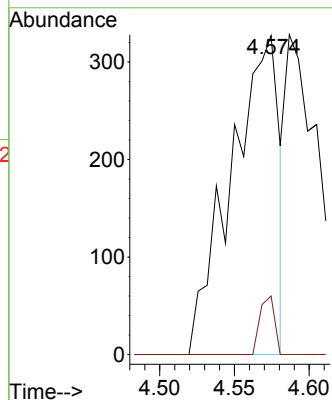
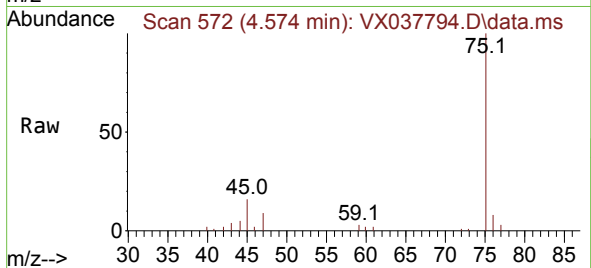
ClientSampleId :

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

72 18.3 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.254 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.073 min

Lab File: VX037794.D

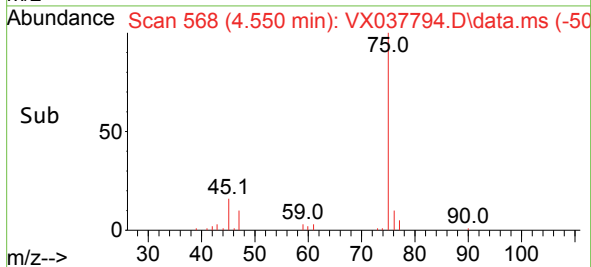
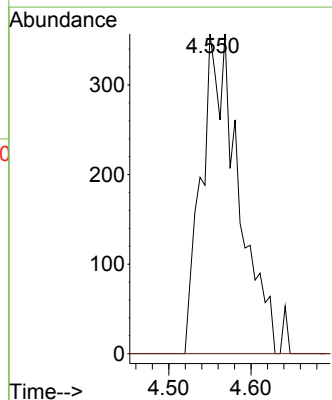
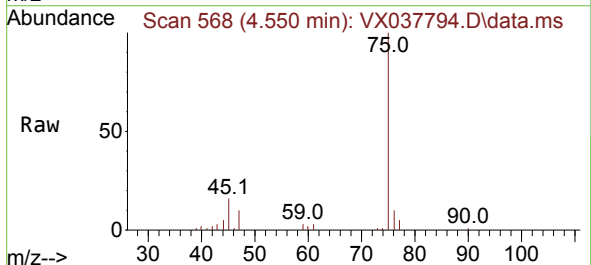
Acq: 19 Sep 2023 10:35

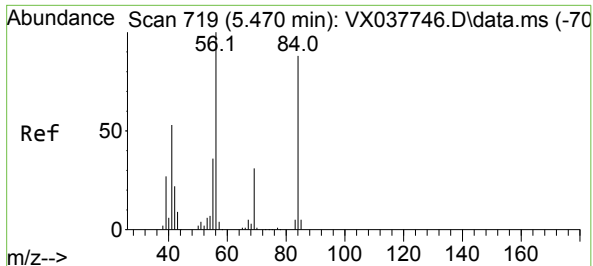
Tgt Ion: 77 Resp: 1118

Ion Ratio Lower Upper

77 100

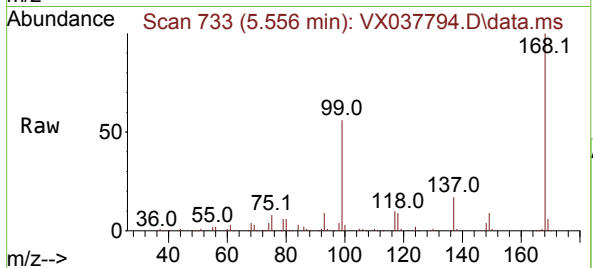
97 0.0 10.8 32.3#



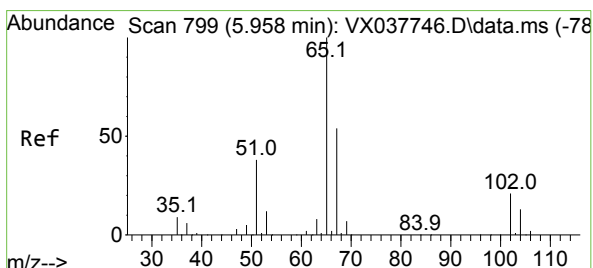
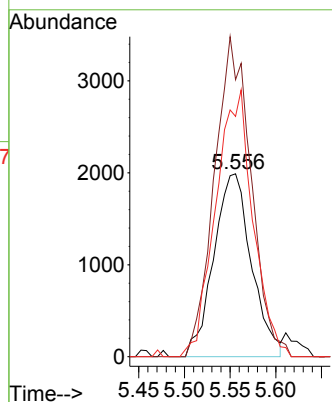
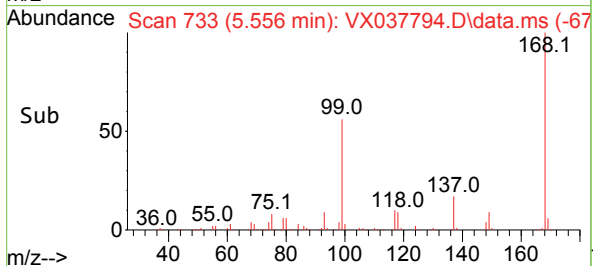


#31
Cyclohexane
Concen: 1.257 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Instrument :
MSVOA_X
ClientSampleId :

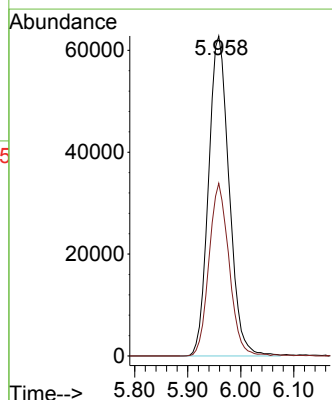
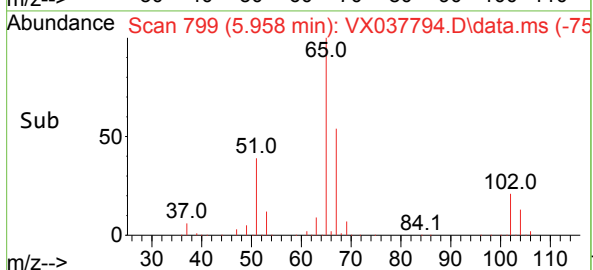
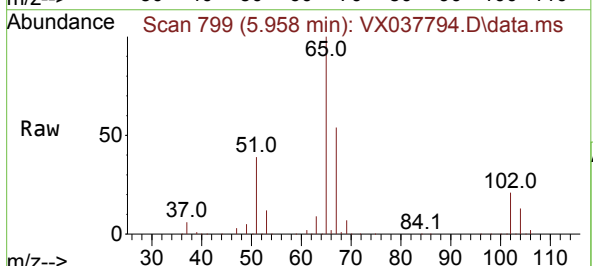


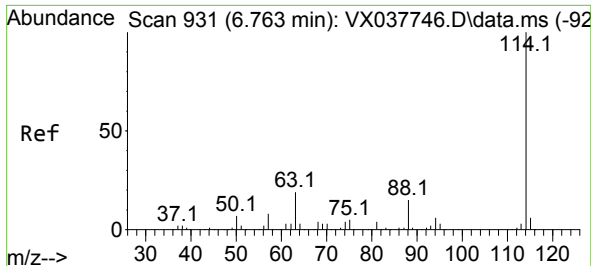
Tgt Ion: 56 Resp: 5700
Ion Ratio Lower Upper
56 100
69 151.4 23.4 35.2#
84 131.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.981 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Tgt Ion: 65 Resp: 169500
Ion Ratio Lower Upper
65 100
67 52.5 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: VX037794.D

Acq: 19 Sep 2023 10:35

Instrument :

MSVOA_X

ClientSampleId :

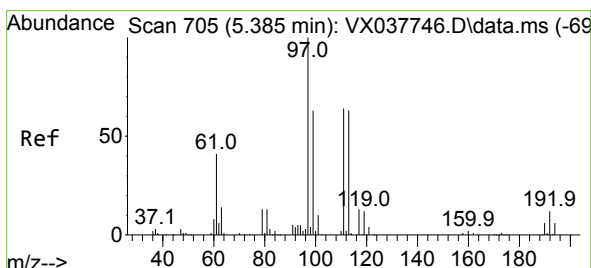
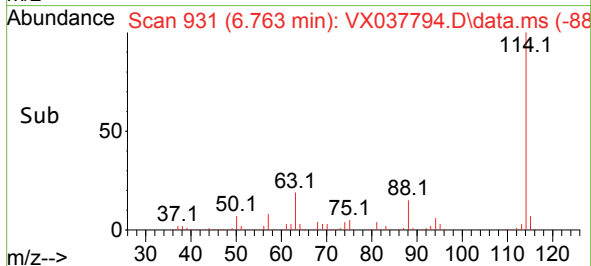
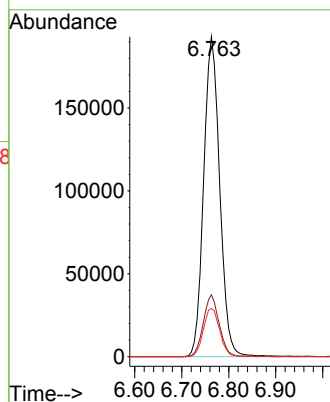
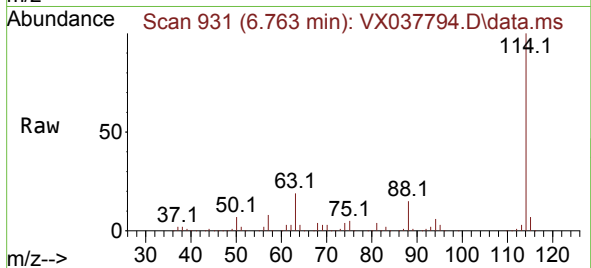
Tgt Ion:114 Resp: 456561

Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.0

88 15.1 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.403 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX037794.D

Acq: 19 Sep 2023 10:35

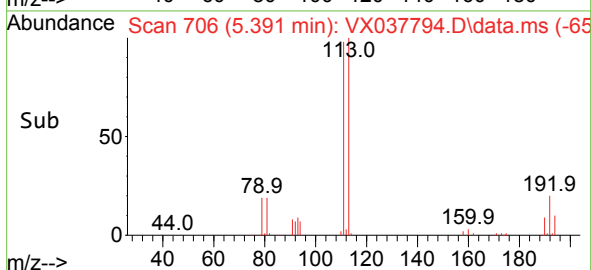
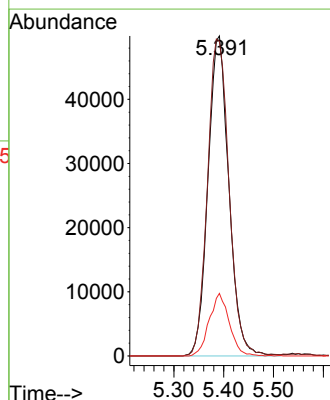
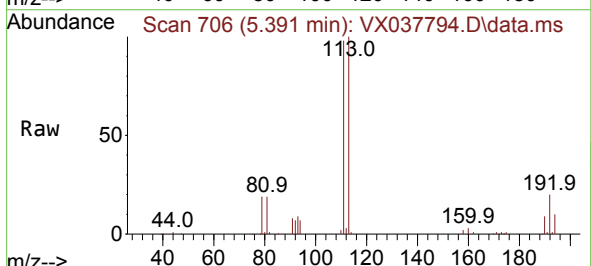
Tgt Ion:113 Resp: 144810

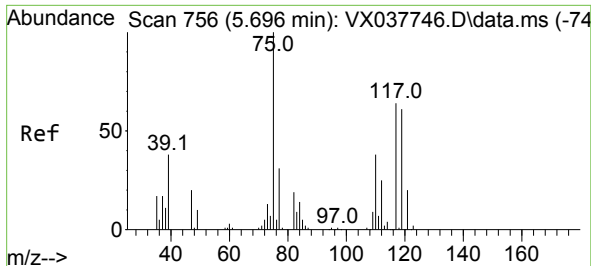
Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

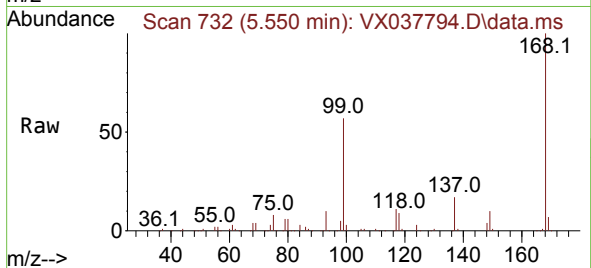
192 18.8 13.3 19.9



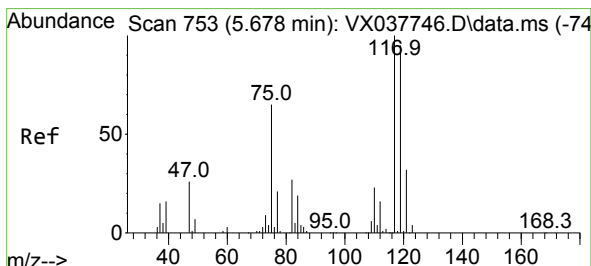
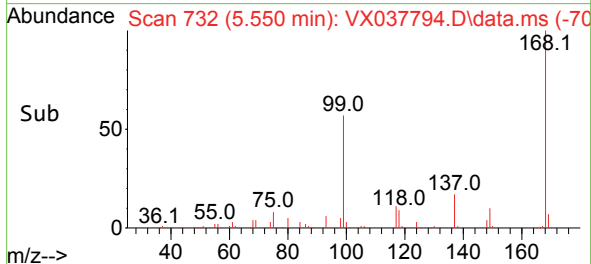
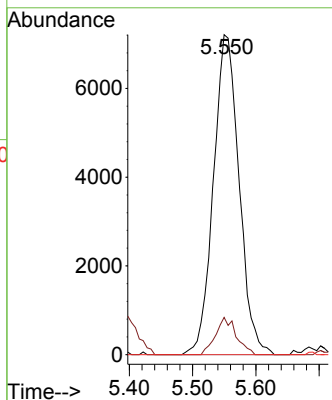


#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Instrument :
MSVOA_X
ClientSampleId :

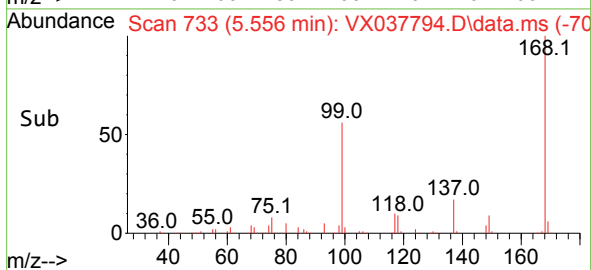
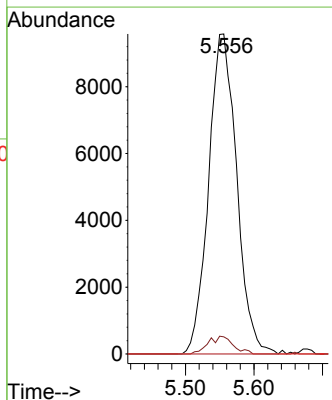
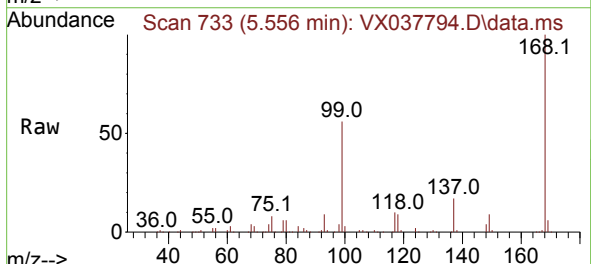


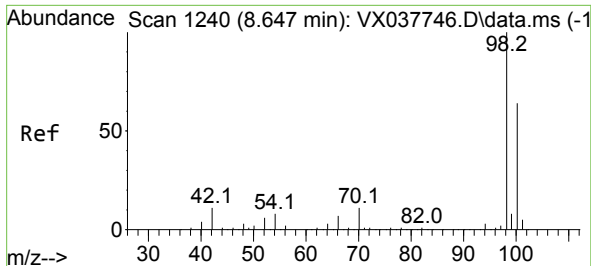
Tgt Ion: 75 Resp: 20296
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.185 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Tgt Ion: 117 Resp: 27235
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#

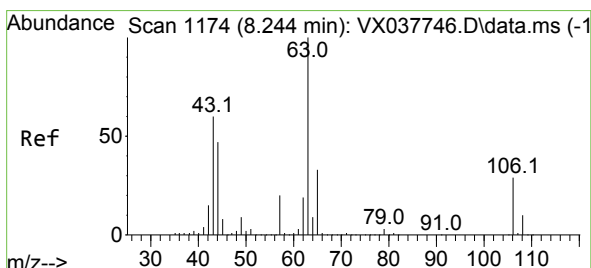
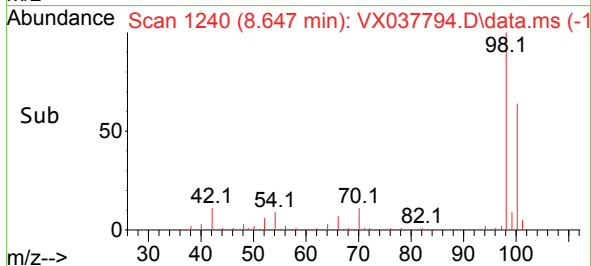
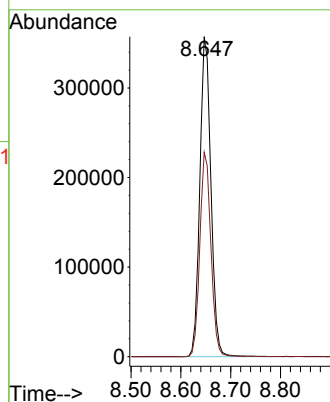
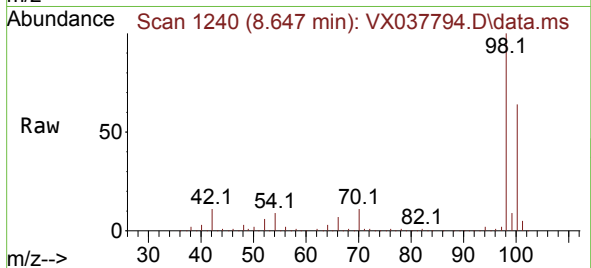




#50
Toluene-d8
Concen: 48.471 ug/l
RT: 8.647 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

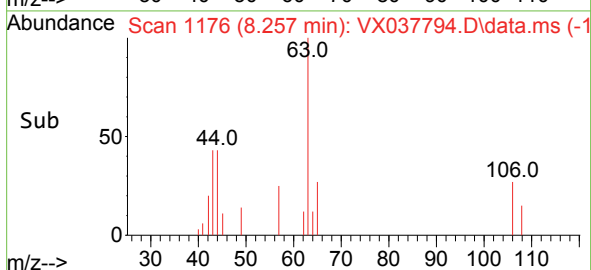
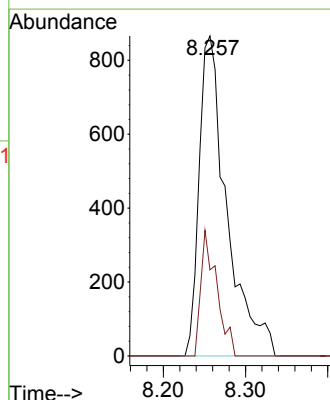
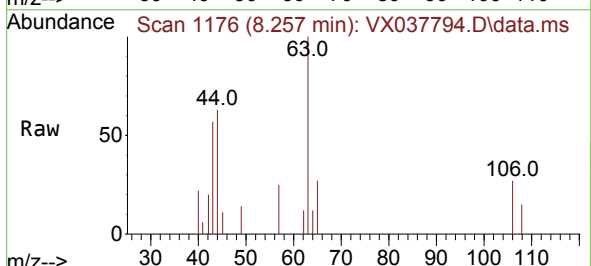
Instrument :
MSVOA_X
ClientSampleId :

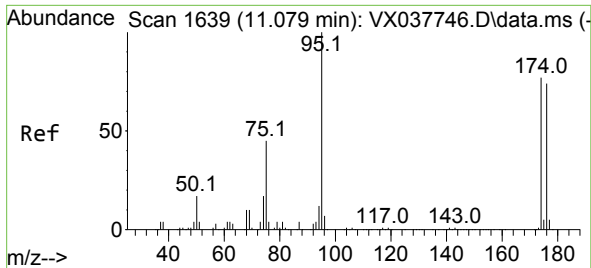
Tgt Ion: 98 Resp: 550180
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#58
2-Chloroethyl Vinyl ether
Concen: 0.825 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Tgt Ion: 63 Resp: 2023
Ion Ratio Lower Upper
63 100
106 22.5 22.5 33.7

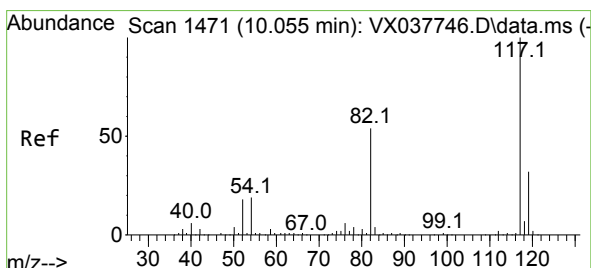
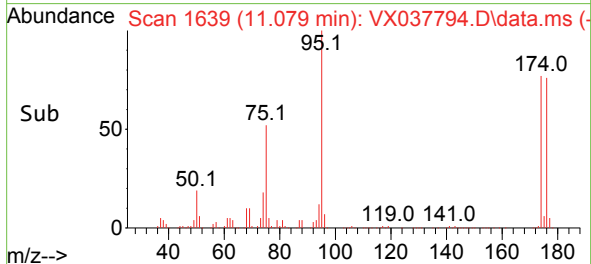
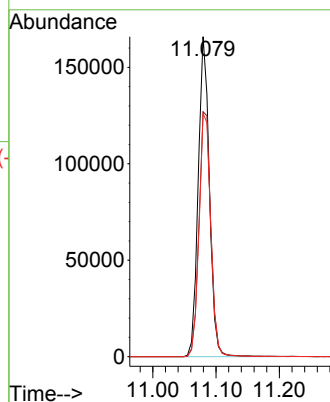
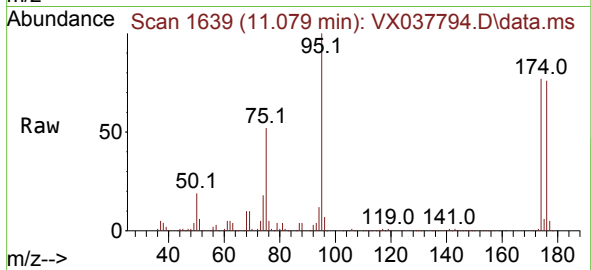




#62
4-Bromofluorobenzene
Concen: 49.482 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

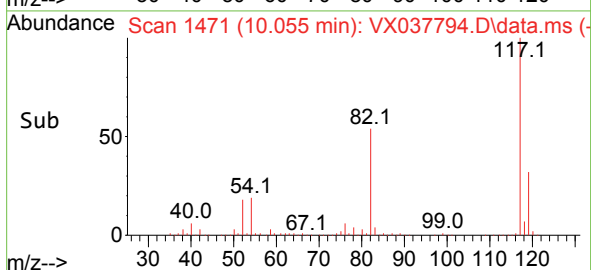
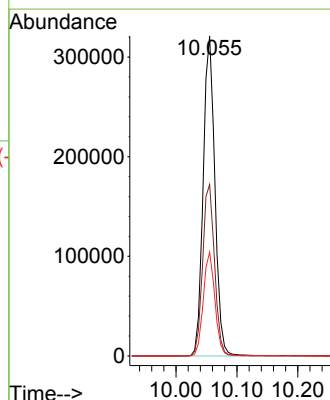
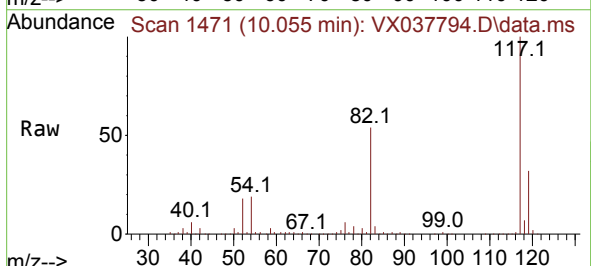
Instrument :
MSVOA_X
ClientSampleId :

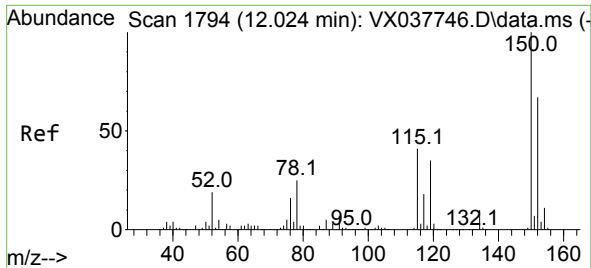
Tgt Ion: 95 Resp: 204094
Ion Ratio Lower Upper
95 100
174 81.5 0.0 135.6
176 79.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Tgt Ion: 117 Resp: 429917
Ion Ratio Lower Upper
117 100
82 53.6 46.2 69.4
119 32.4 25.5 38.3

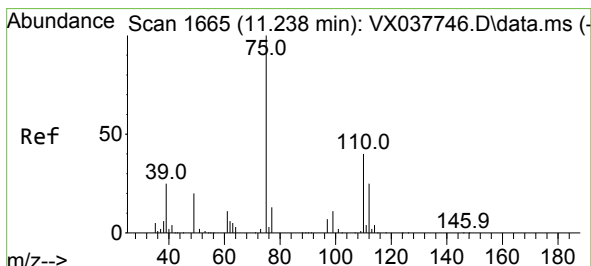
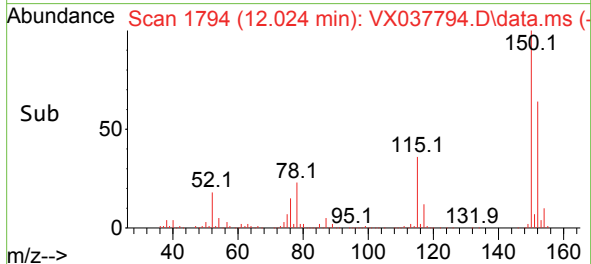
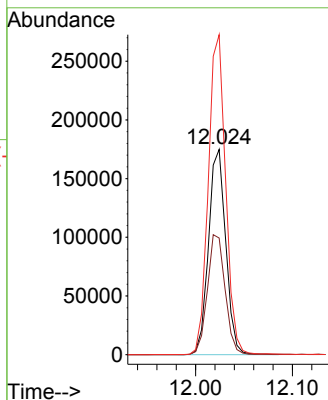
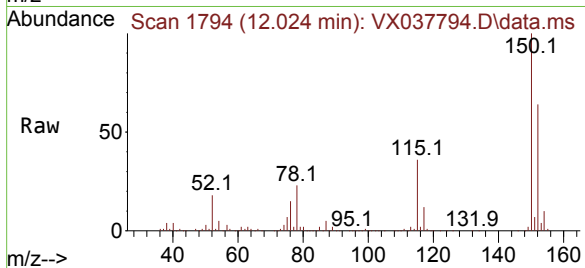




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

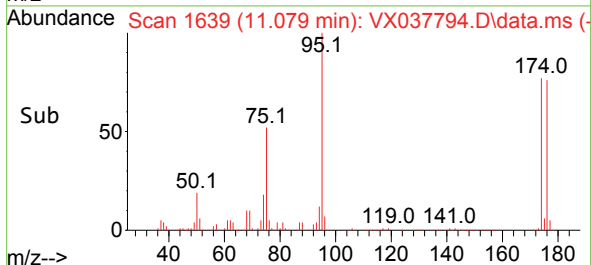
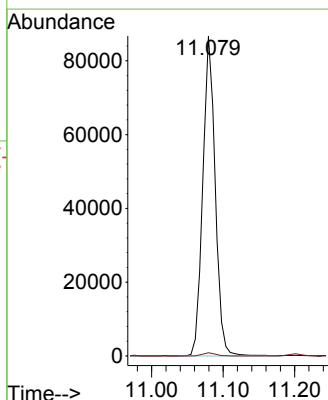
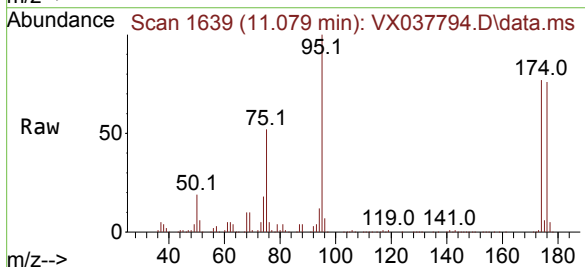
Instrument :
MSVOA_X
ClientSampleId :

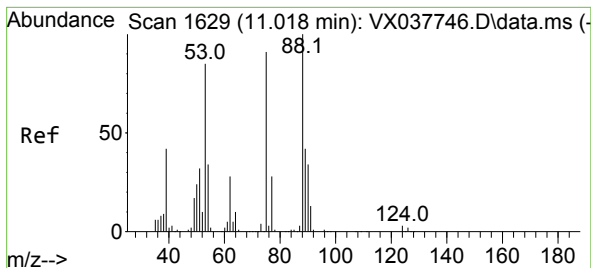
Tgt Ion:152 Resp: 217521
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.9
150 156.4 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.826 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

Tgt Ion: 75 Resp: 104775
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

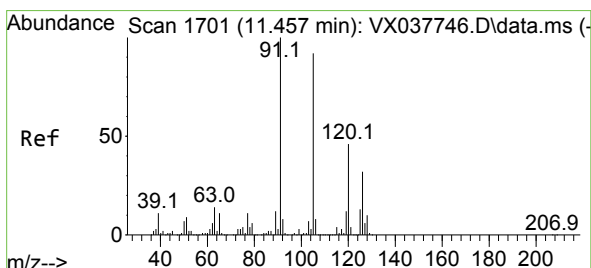
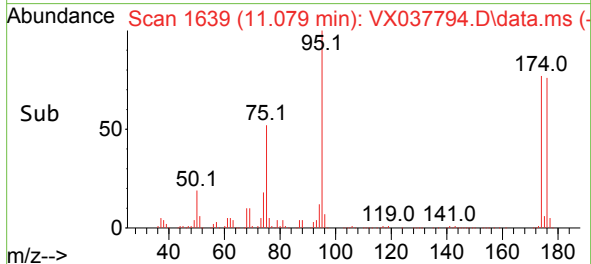
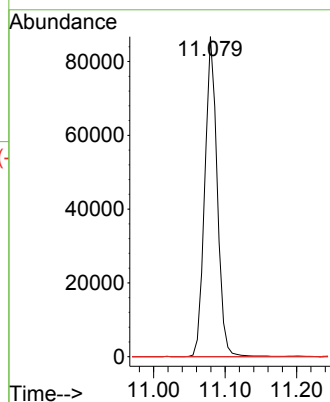
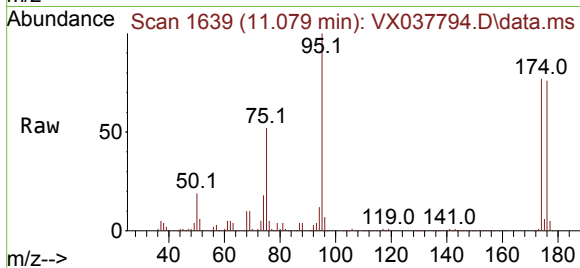




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.712 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX037794.D
 Acq: 19 Sep 2023 10:35

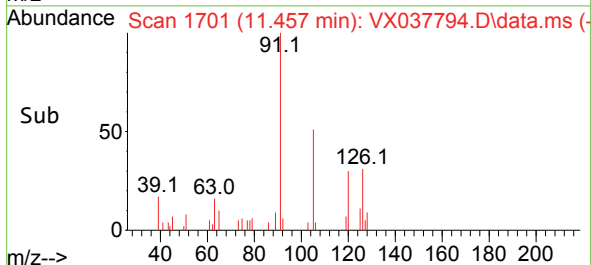
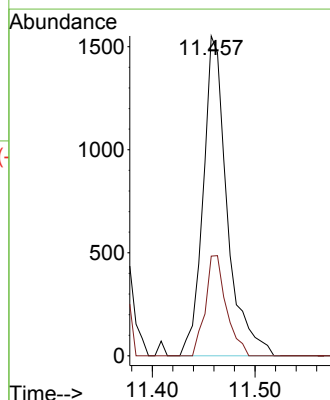
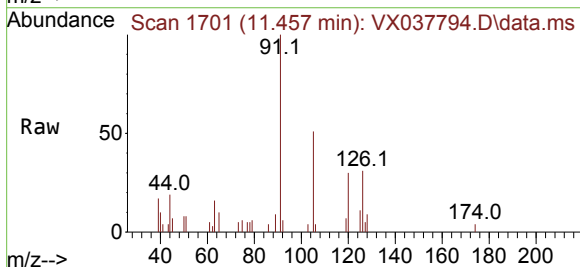
Instrument :
 MSVOA_X
 ClientSampleId :

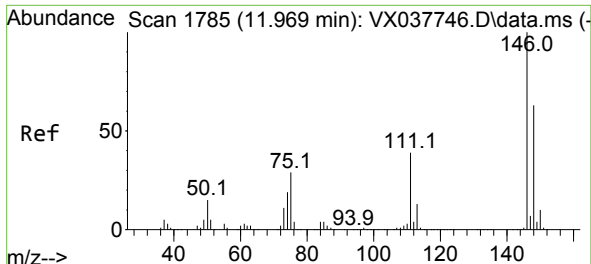
Tgt Ion: 75 Resp: 104775
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#82
 4-Chlorotoluene
 Concen: 0.201 ug/l
 RT: 11.457 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VX037794.D
 Acq: 19 Sep 2023 10:35

Tgt Ion: 91 Resp: 2519
 Ion Ratio Lower Upper
 91 100
 126 27.4 14.2 42.6





#87

1,3-Dichlorobenzene

Concen: 0.234 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037794.D

Acq: 19 Sep 2023 10:35

Instrument :

MSVOA_X

ClientSampleId :

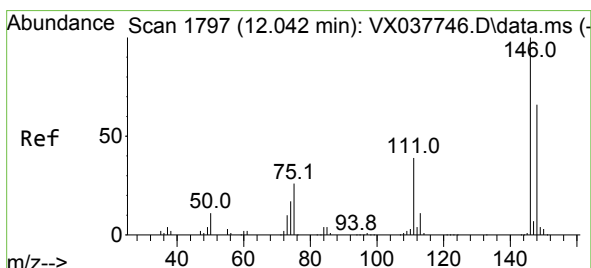
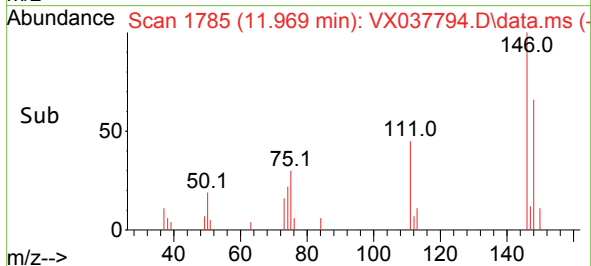
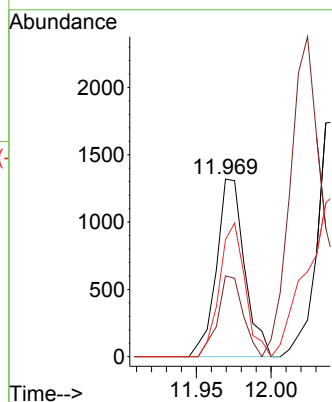
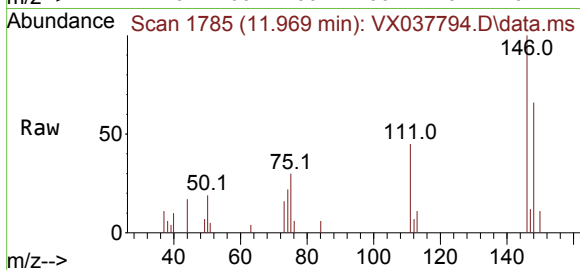
Tgt Ion:146 Resp: 1724

Ion Ratio Lower Upper

146 100

111 40.9 22.1 66.1

148 68.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.229 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037794.D

Acq: 19 Sep 2023 10:35

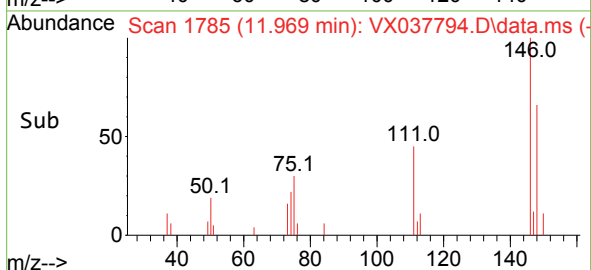
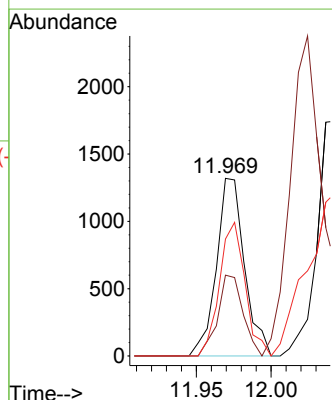
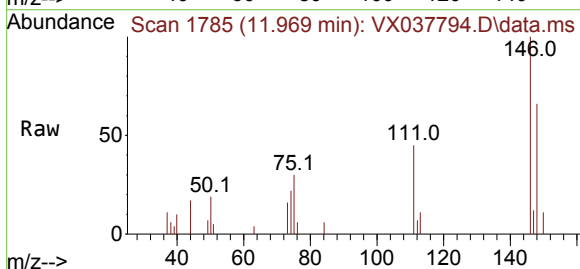
Tgt Ion:146 Resp: 1724

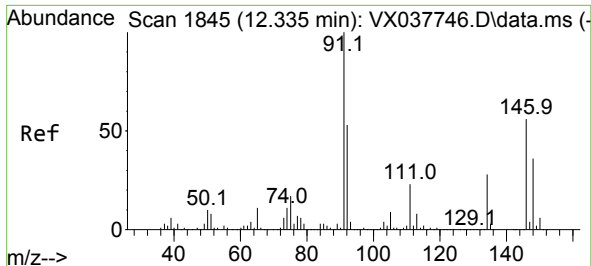
Ion Ratio Lower Upper

146 100

111 40.9 21.3 63.7

148 68.7 31.8 95.4





#89

n-Butylbenzene

Concen: 0.249 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037794.D

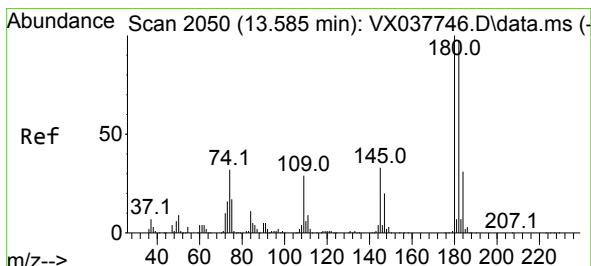
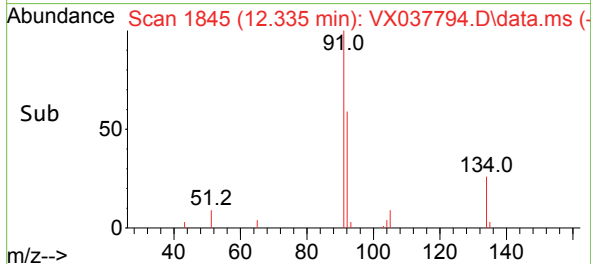
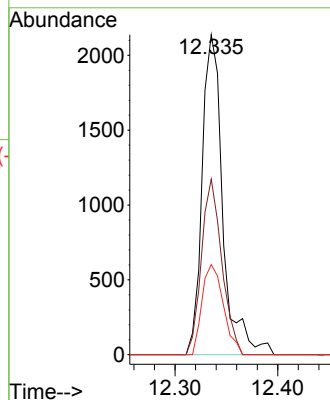
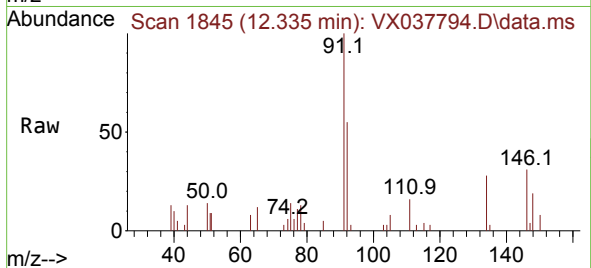
Acq: 19 Sep 2023 10:35

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	3004
Ion	Ratio	Lower Upper
91	100	
92	53.9	27.4 82.0
134	28.9	12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.486 ug/l

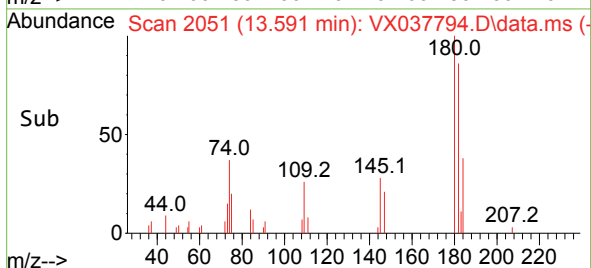
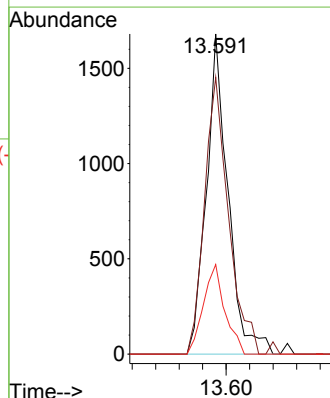
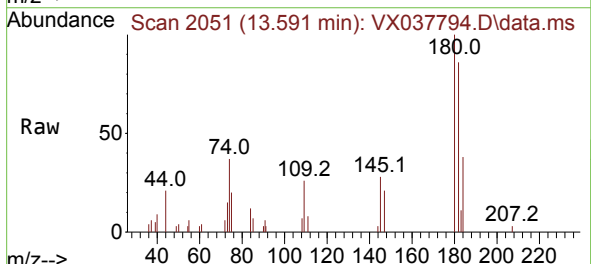
RT: 13.591 min Scan# 2051

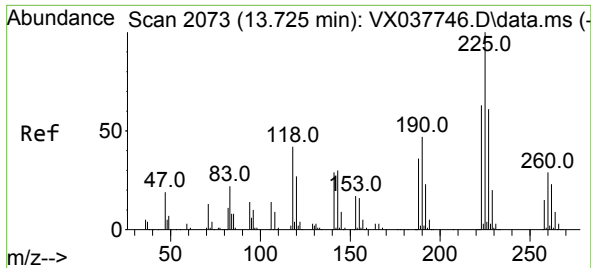
Delta R.T. 0.000 min

Lab File: VX037794.D

Acq: 19 Sep 2023 10:35

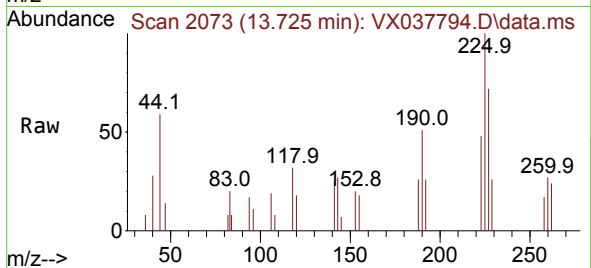
Tgt Ion: 180	Resp:	2153
Ion	Ratio	Lower Upper
180	100	
182	95.5	48.3 144.8
145	27.7	18.0 54.0



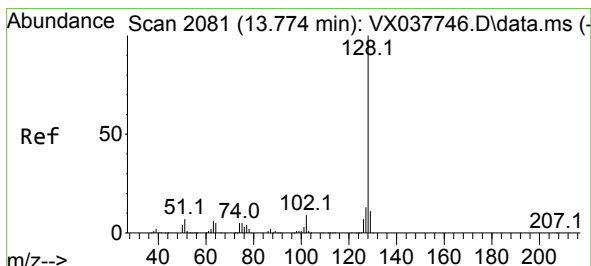
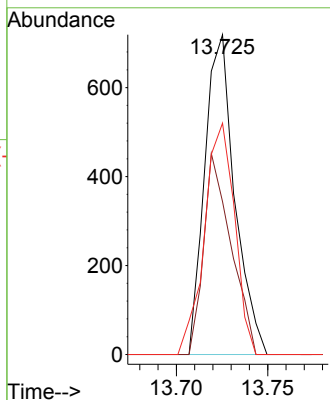
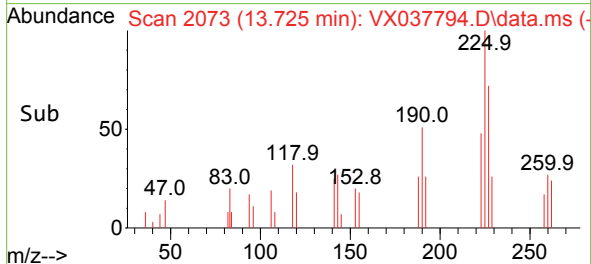


#94
Hexachlorobutadiene
Concen: 0.397 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35

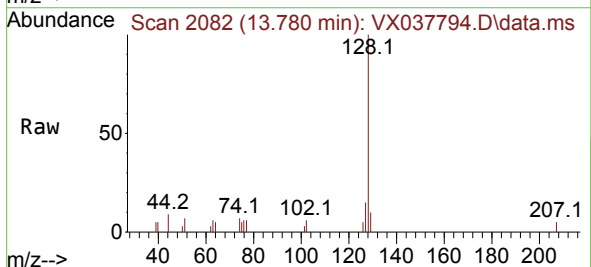
Instrument :
MSVOA_X
ClientSampleId :



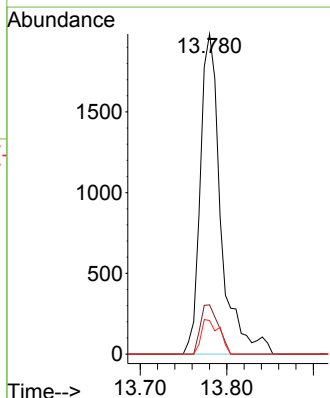
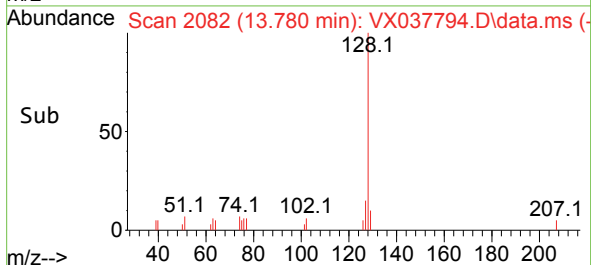
Tgt Ion:225 Resp: 820
Ion Ratio Lower Upper
225 100
223 57.4 31.1 93.2
227 72.8 32.5 97.5

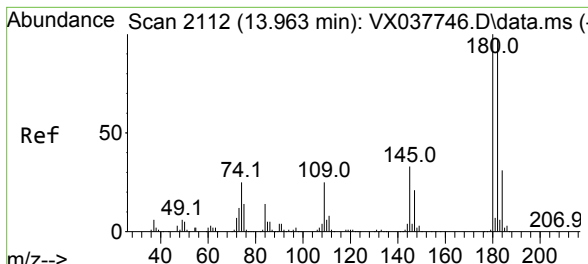


#95
Naphthalene
Concen: 0.219 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX037794.D
Acq: 19 Sep 2023 10:35



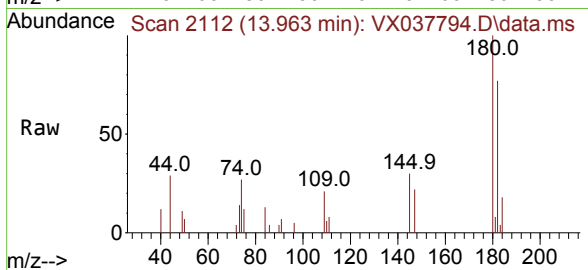
Tgt Ion:128 Resp: 3275
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 9.5 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.395 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX037794.D
 Acq: 19 Sep 2023 10:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1799
Ion Ratio	Lower	Upper	
180	100		
182	89.1	46.9	140.6
145	28.6	17.8	53.5

