

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092723\
 Data File : VX037920.D
 Acq On : 27 Sep 2023 13:44
 Operator : JC/MD
 Sample : 04614-04ME
 Misc : 4.98g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 28 01:20:34 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)

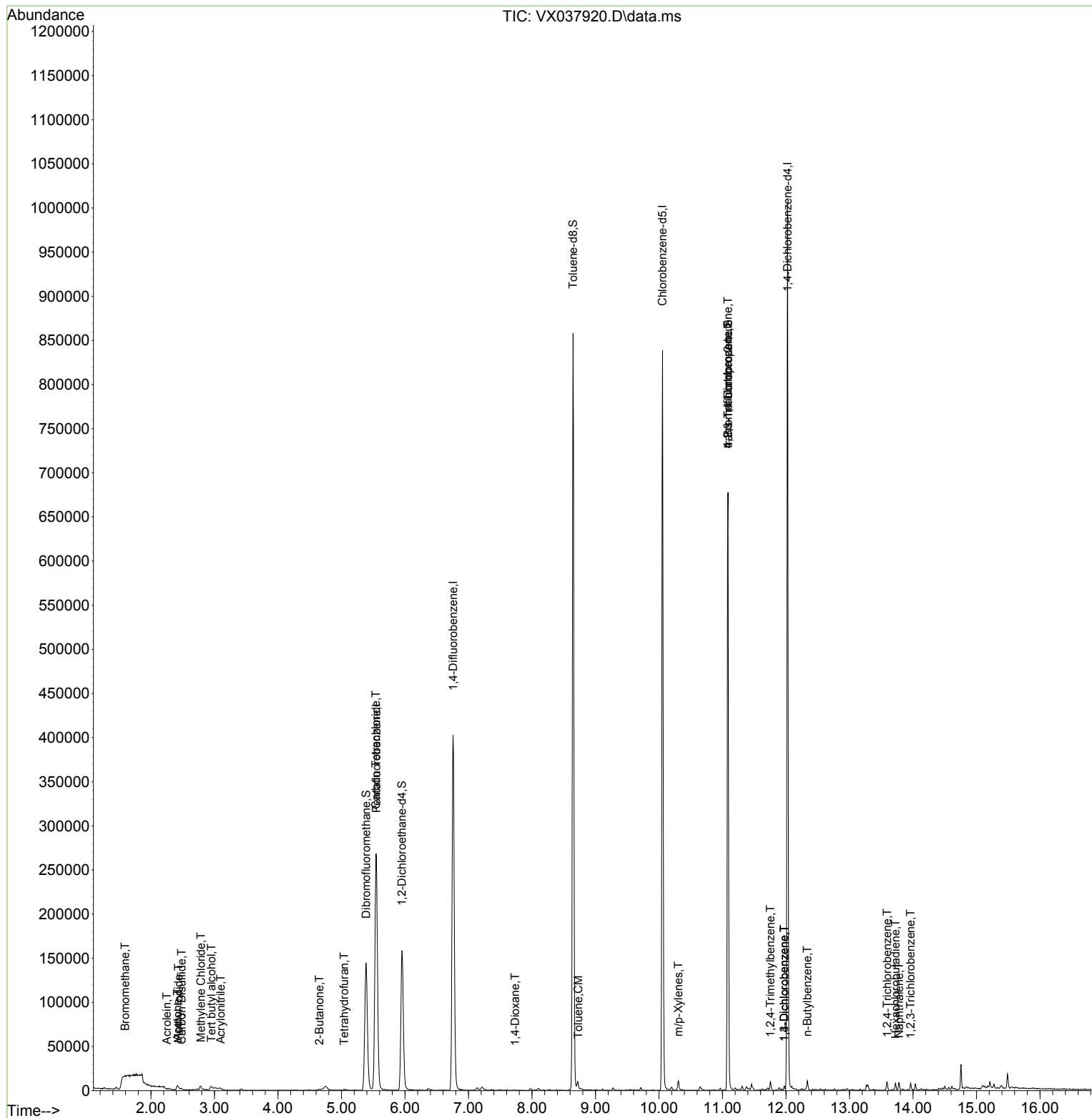
Internal Standards						
1) Pentafluorobenzene	5.550	168	262583	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	434116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	388335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	208242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	152398	44.174	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.340%		
35) Dibromofluoromethane	5.385	113	126846	43.669	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.340%		
50) Toluene-d8	8.647	98	516372	47.844	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.680%		
62) 4-Bromofluorobenzene	11.086	95	185837	47.385	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.760%		
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	871	0.374	ug/l	96
10) Methyl Iodide	2.435	142	1466	0.418	ug/l	# 80
11) Tert butyl alcohol	2.953	59	2963	4.001	ug/l	# 78
13) Acrolein	2.252	56	387	0.529	ug/l	# 32
15) Acrylonitrile	3.099	53	616	0.374	ug/l	# 56
16) Acetone	2.416	43	6445	3.883	ug/l	95
17) Carbon Disulfide	2.483	76	1557	0.242	ug/l	# 92
20) Methylene Chloride	2.788	84	2312	0.729	ug/l	# 77
25) 2-Butanone	4.654	43	983	0.420	ug/l	# 51
29) Tetrahydrofuran	5.044	42	392	0.269	ug/l	# 31
38) Carbon Tetrachloride	5.544	117	25597	6.114	ug/l	# 16
49) 1,4-Dioxane	7.732	88	20	0.227	ug/l	# 12
52) Toluene	8.726	92	3504	0.442	ug/l	92
68) m/p-Xylenes	10.305	106	2682	0.478	ug/l	89
76) 1,2,3-Trichloropropane	11.086	75	92820	19.272	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.086	75	92820	61.734	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	4671	0.364	ug/l	97
87) 1,3-Dichlorobenzene	11.970	146	1664	0.236	ug/l	99
88) 1,4-Dichlorobenzene	11.970	146	1664	0.231	ug/l	98
89) n-Butylbenzene	12.335	91	3580	0.310	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	2367	0.558	ug/l	94
94) Hexachlorobutadiene	13.725	225	1065	0.538	ug/l	90
95) Naphthalene	13.780	128	6382	0.445	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2259	0.518	ug/l	96

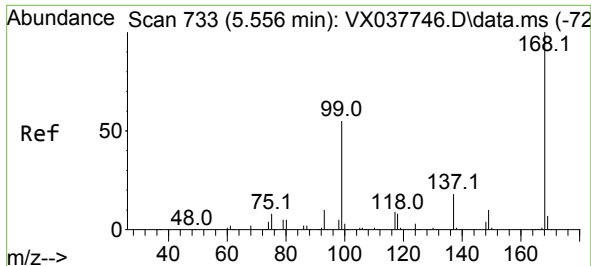
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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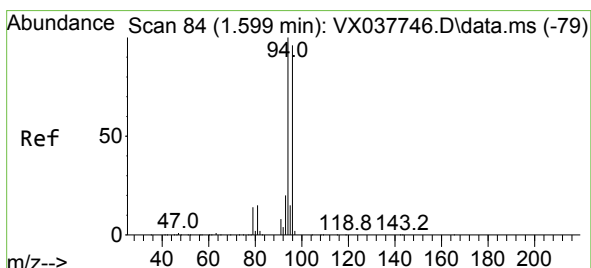
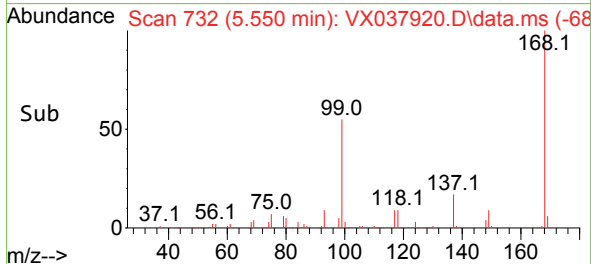
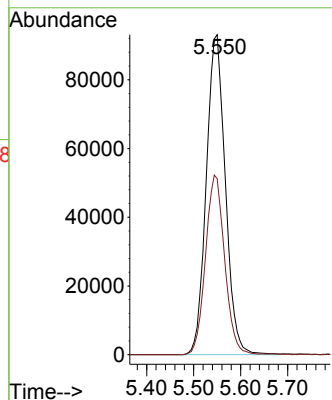
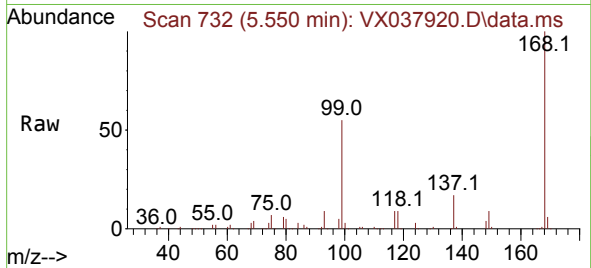




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

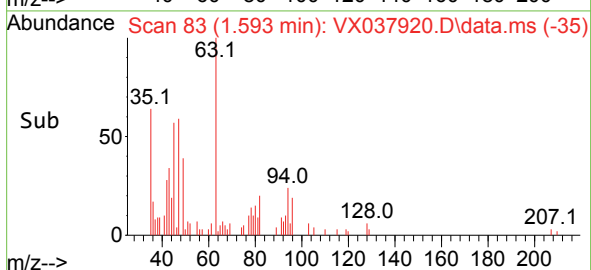
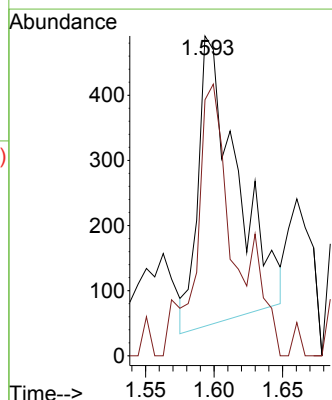
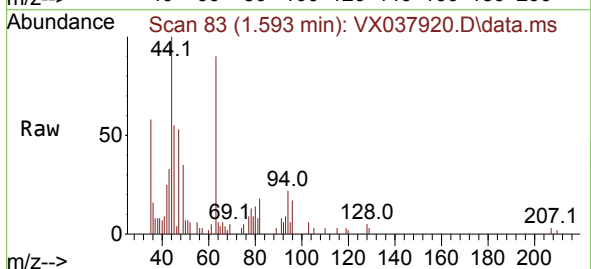
Instrument :
MSVOA_X
ClientSampleId :

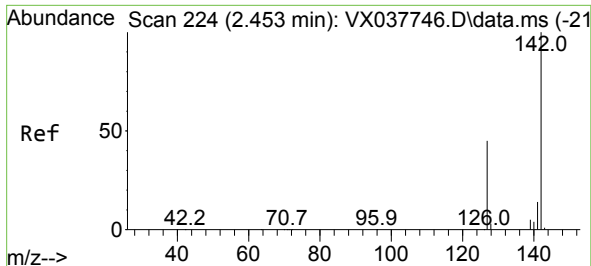
Tgt Ion:168 Resp: 262583
Ion Ratio Lower Upper
168 100
99 55.0 56.6 85.0#



#5
Bromomethane
Concen: 0.374 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

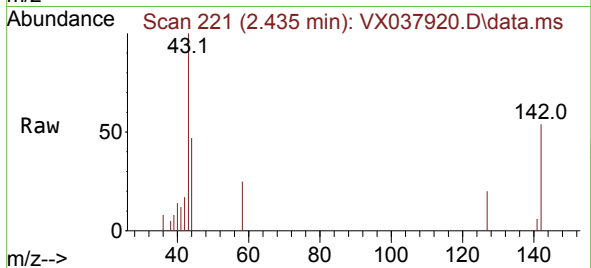
Tgt Ion: 94 Resp: 871
Ion Ratio Lower Upper
94 100
96 97.5 74.6 111.8



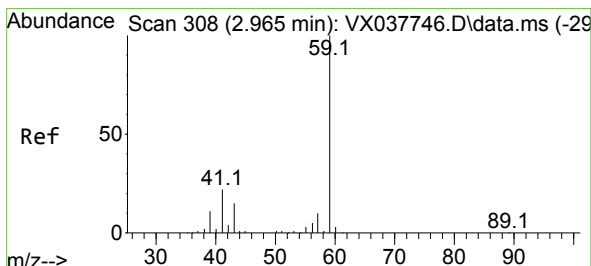
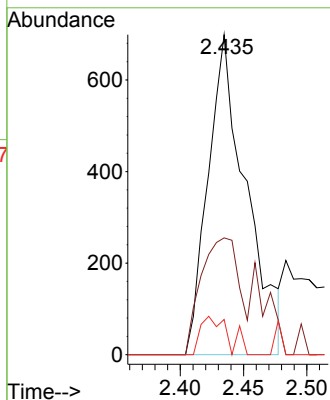
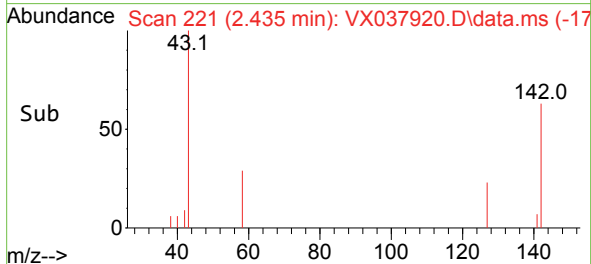


#10
Methyl Iodide
Concen: 0.418 ug/l
RT: 2.435 min Scan# 21
Delta R.T. -0.018 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

Instrument :
MSVOA_X
ClientSampleId :

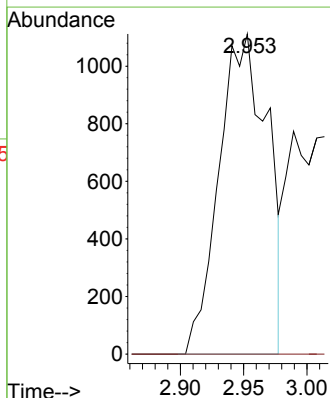
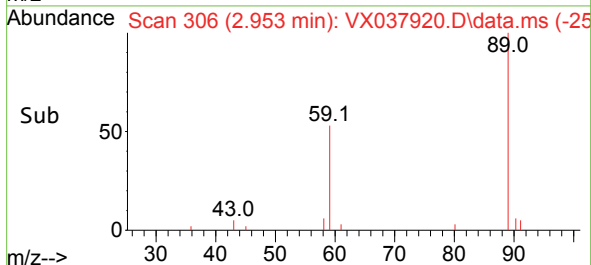
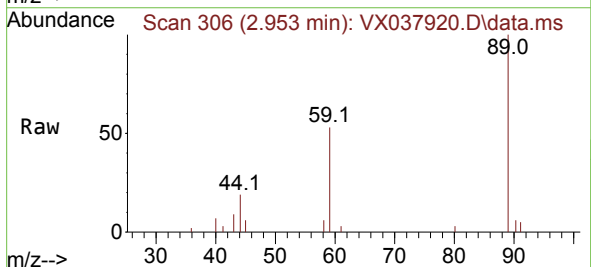


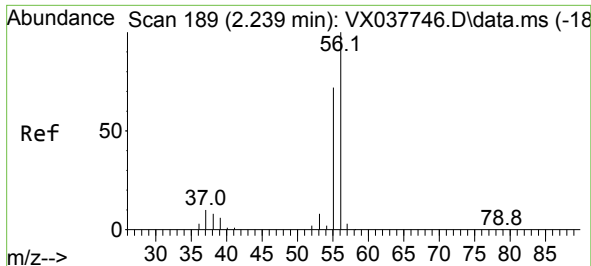
Tgt Ion:142 Resp: 1466
Ion Ratio Lower Upper
142 100
127 36.6 41.6 62.4#
141 8.7 11.6 17.4#



#11
Tert butyl alcohol
Concen: 4.001 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

Tgt Ion: 59 Resp: 2963
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.529 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

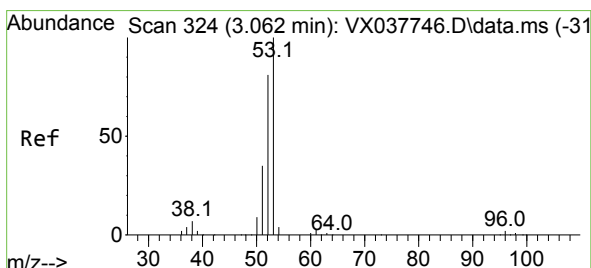
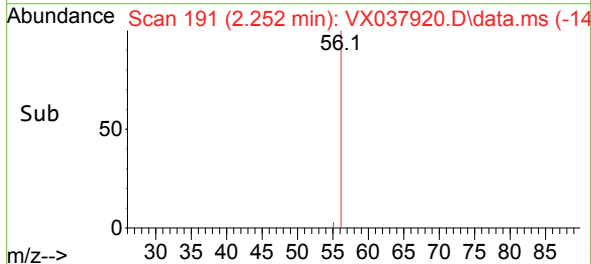
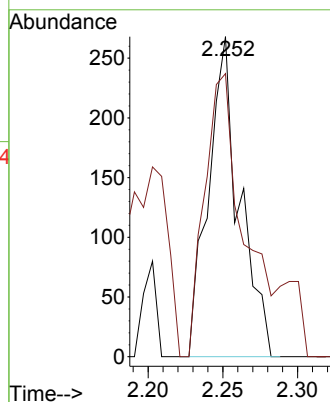
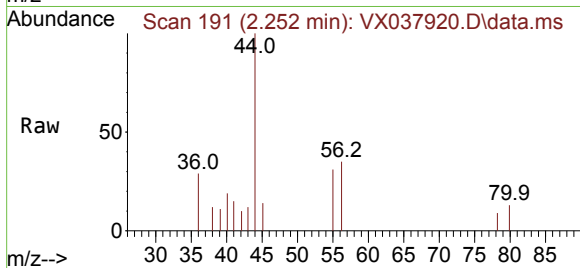
ClientSampleId :

Tgt Ion: 56 Resp: 387

Ion Ratio Lower Upper

56 100

55 127.6 57.1 85.7#



#15

Acrylonitrile

Concen: 0.374 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.031 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

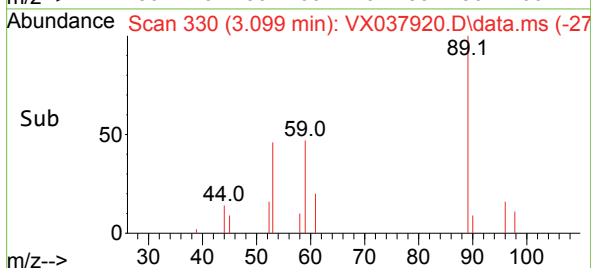
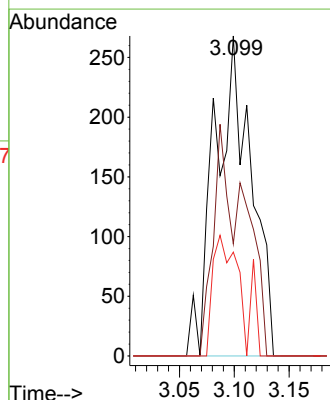
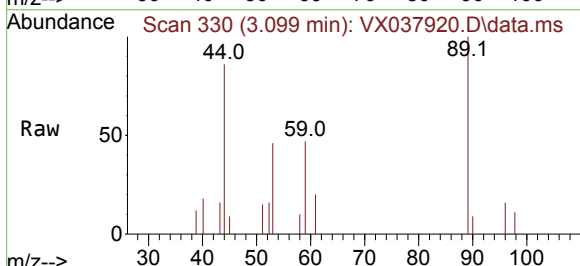
Tgt Ion: 53 Resp: 616

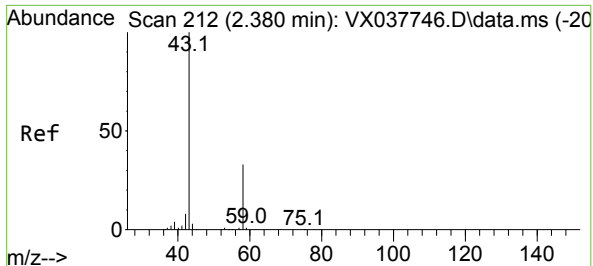
Ion Ratio Lower Upper

53 100

52 33.9 66.0 99.0#

51 24.8 29.8 44.6#

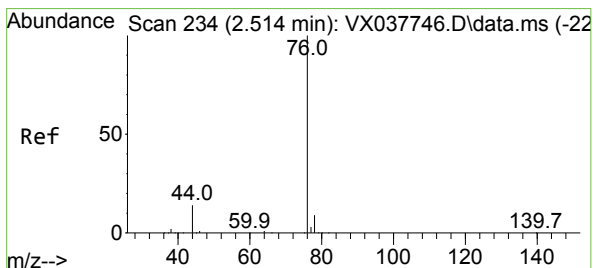
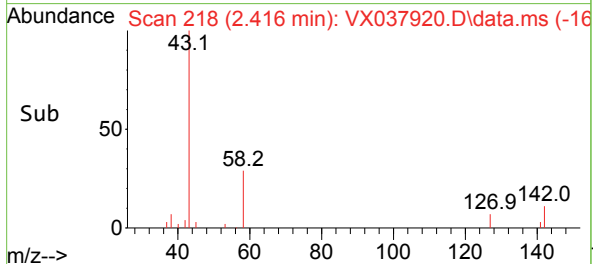
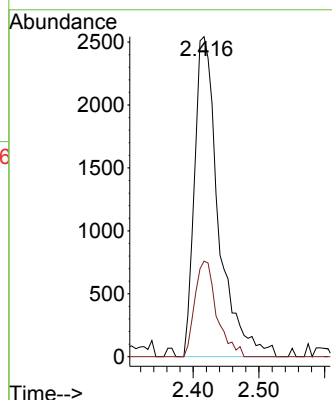
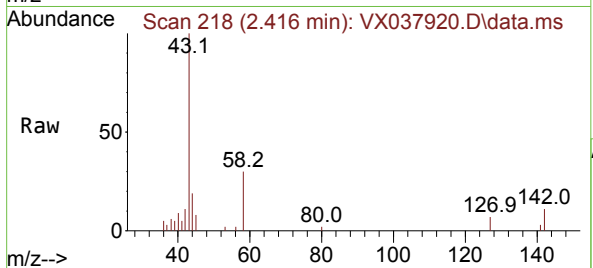




#16
Acetone
Concen: 3.883 ug/l
RT: 2.416 min Scan# 21
Delta R.T. 0.037 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

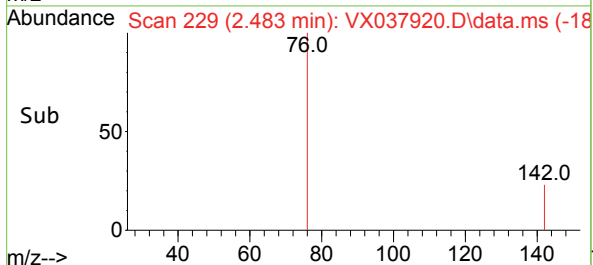
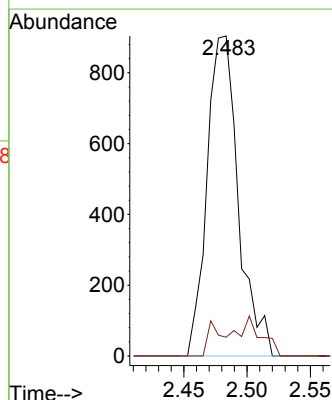
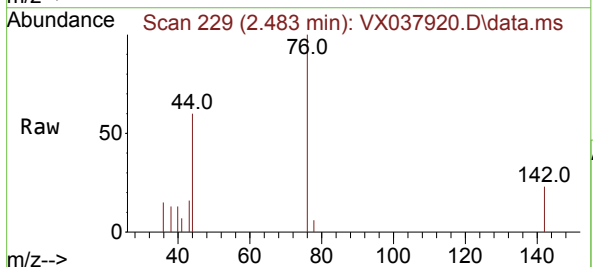
Instrument :
MSVOA_X
ClientSampleId :

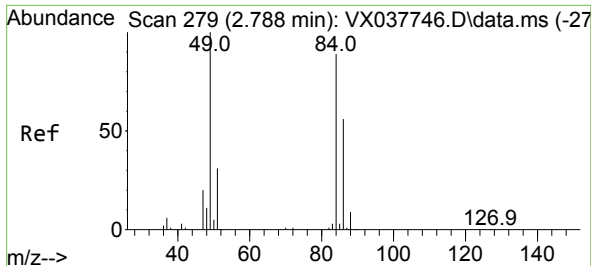
Tgt Ion: 43 Resp: 6445
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#17
Carbon Disulfide
Concen: 0.242 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.030 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

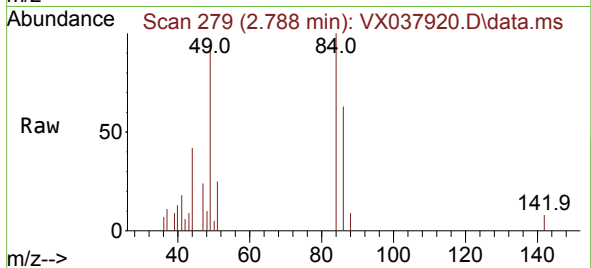
Tgt Ion: 76 Resp: 1557
Ion Ratio Lower Upper
76 100
78 5.9 7.0 10.6#





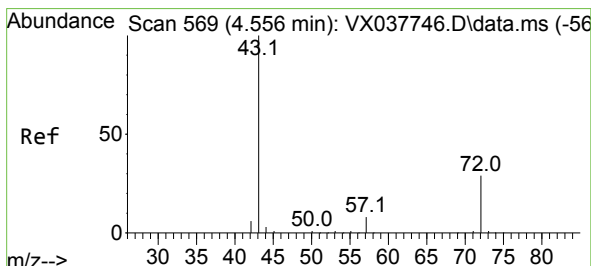
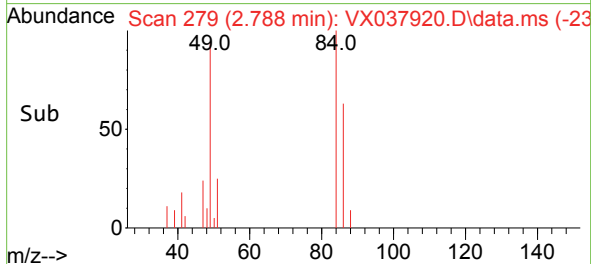
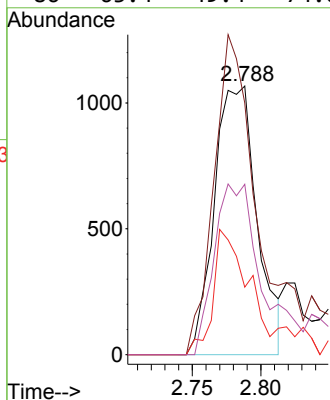
#20
Methylene Chloride
Concen: 0.729 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 2312

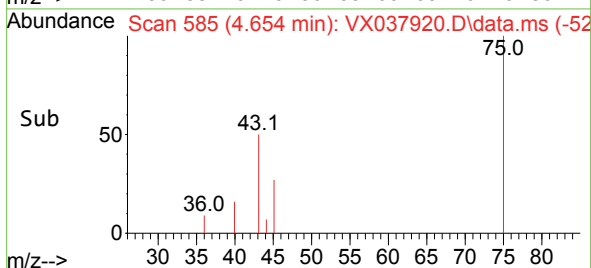
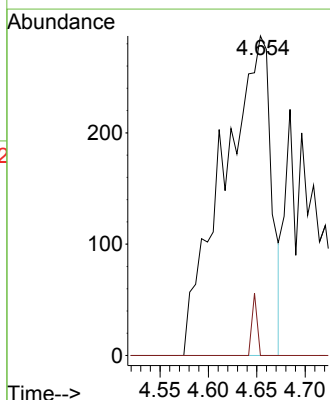
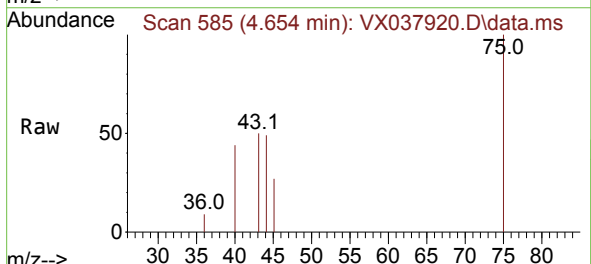
Ion	Ratio	Lower	Upper
84	100		
49	93.7	103.6	155.4#
51	25.1	33.8	50.6#
86	63.4	49.4	74.0

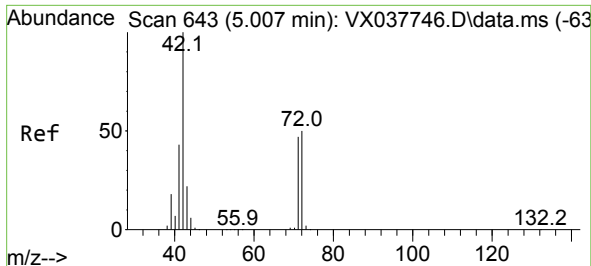


#25
2-Butanone
Concen: 0.420 ug/l
RT: 4.654 min Scan# 585
Delta R.T. 0.085 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

Tgt Ion: 43 Resp: 983

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.269 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.031 min

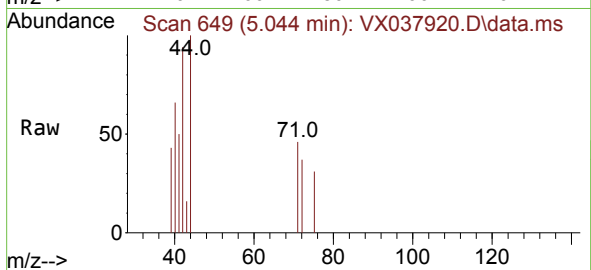
Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :



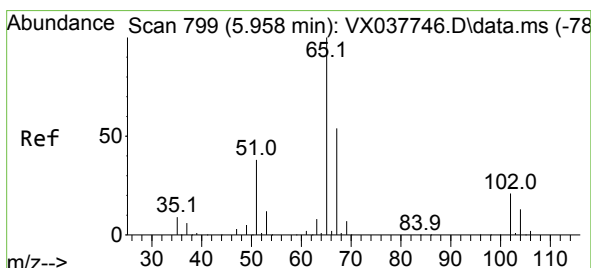
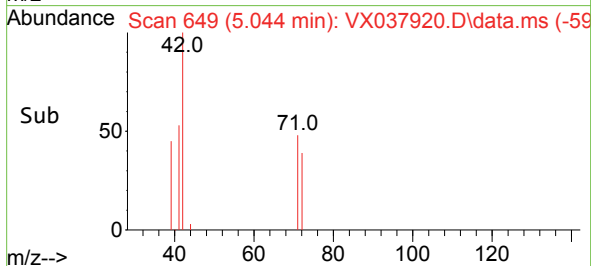
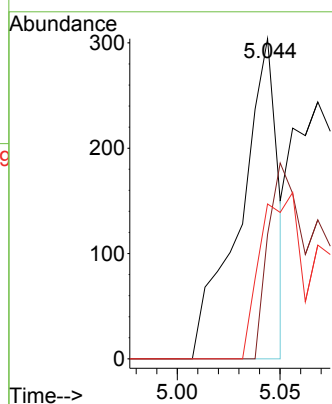
Tgt Ion: 42 Resp: 392

Ion Ratio Lower Upper

42 100

72 84.4 34.2 51.4#

71 86.0 32.2 48.2#



#33

1,2-Dichloroethane-d4

Concen: 44.174 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX037920.D

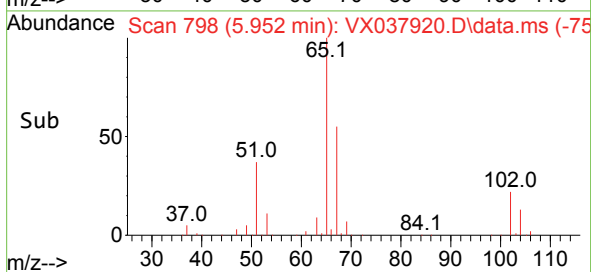
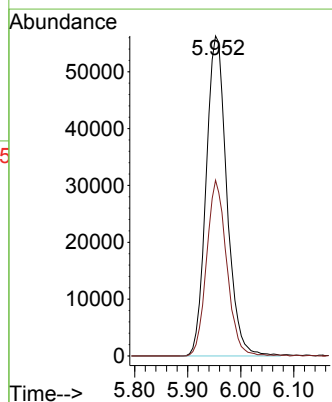
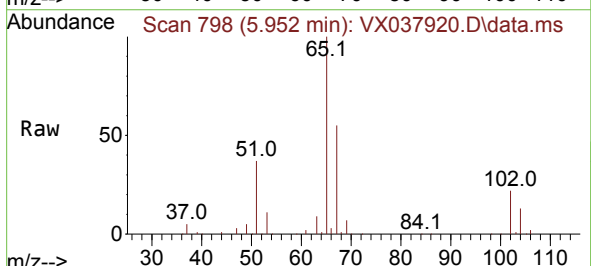
Acq: 27 Sep 2023 13:44

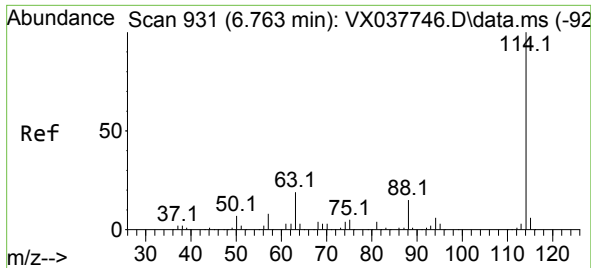
Tgt Ion: 65 Resp: 152398

Ion Ratio Lower Upper

65 100

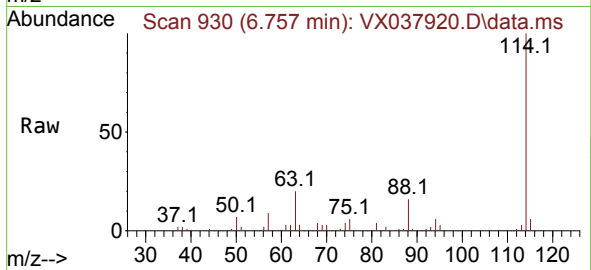
67 53.4 0.0 100.2



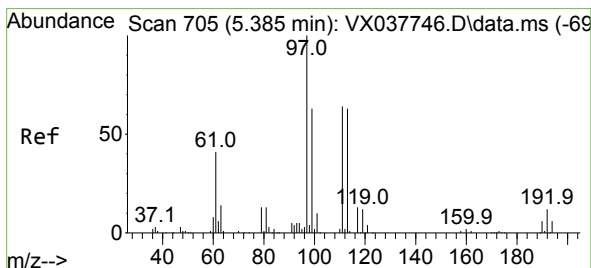
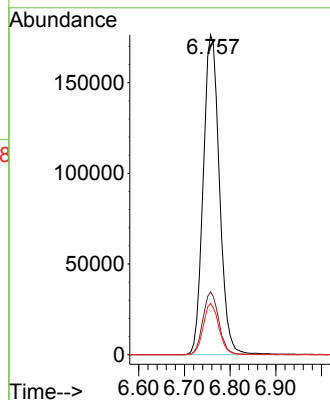
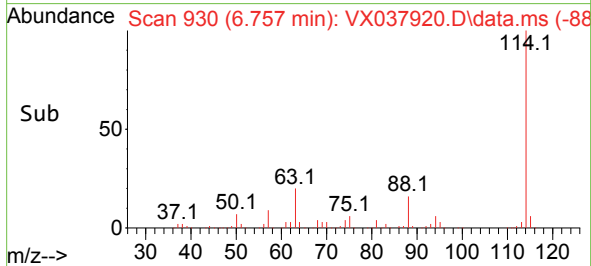


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

Instrument :
MSVOA_X
ClientSampleId :

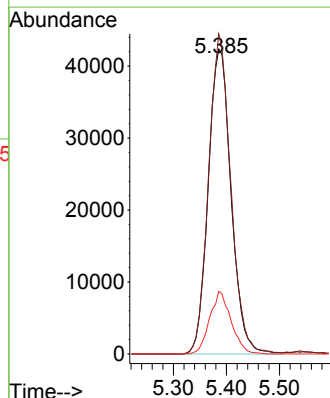
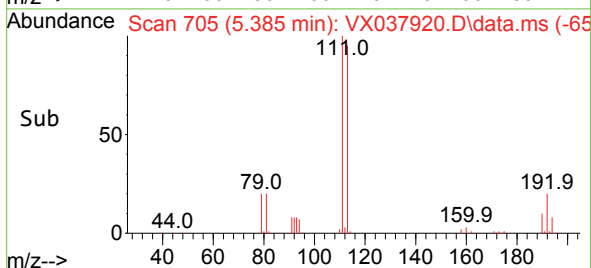
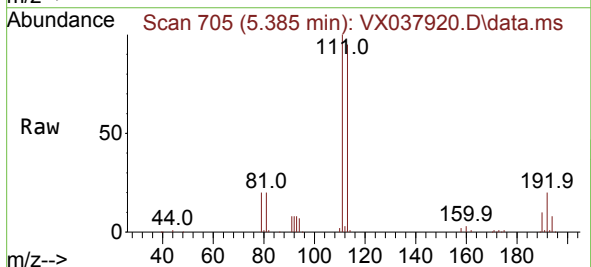


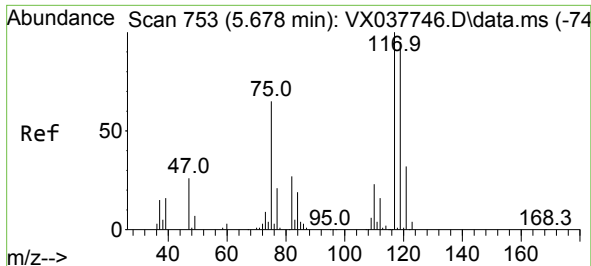
Tgt Ion:114 Resp: 434116
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.669 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

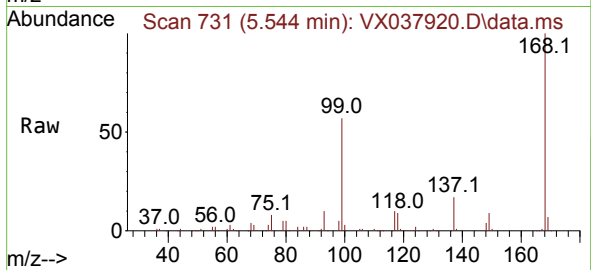
Tgt Ion:113 Resp: 126846
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 19.3 13.3 19.9



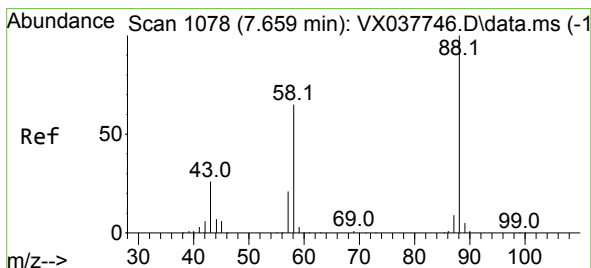
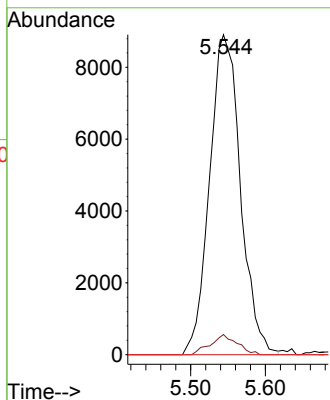
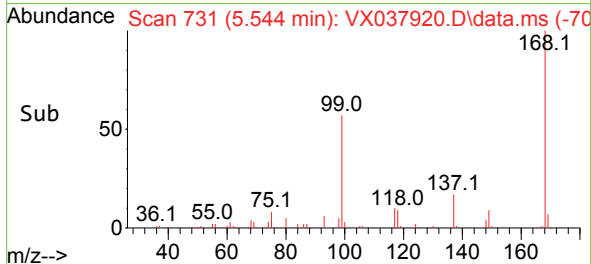


#38
Carbon Tetrachloride
Concen: 6.114 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

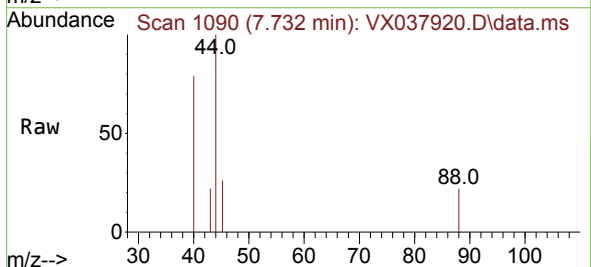
Instrument :
MSVOA_X
ClientSampleId :



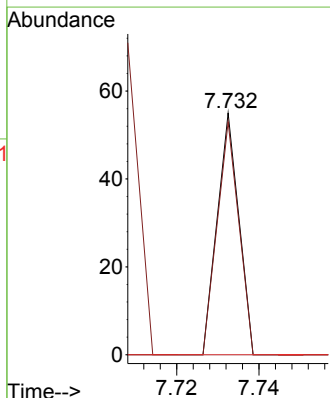
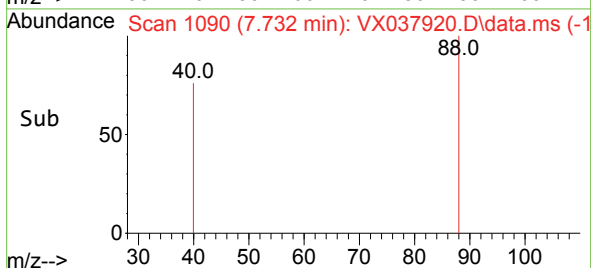
Tgt Ion:117 Resp: 25597
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 24.4 36.6#

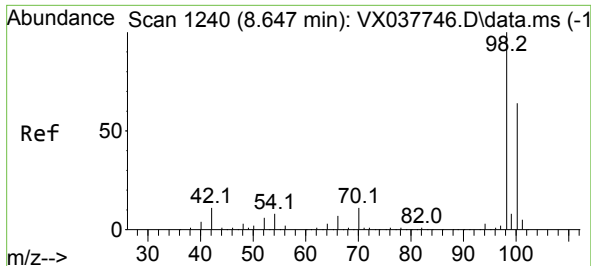


#49
1,4-Dioxane
Concen: 0.227 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.061 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44



Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 95.0 0.0 0.0#
58 0.0 60.1 90.1#

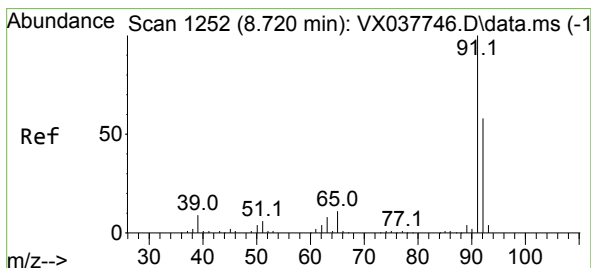
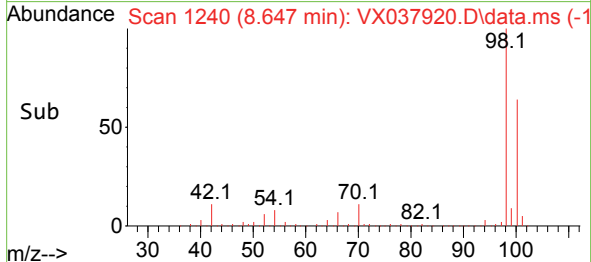
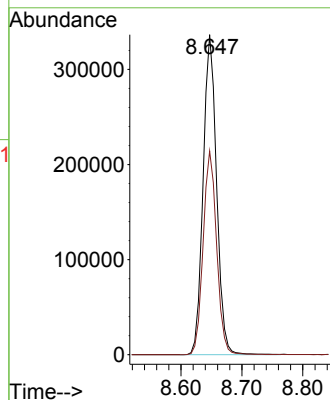
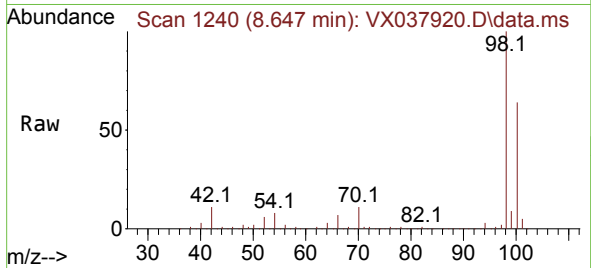




#50
Toluene-d8
Concen: 47.844 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

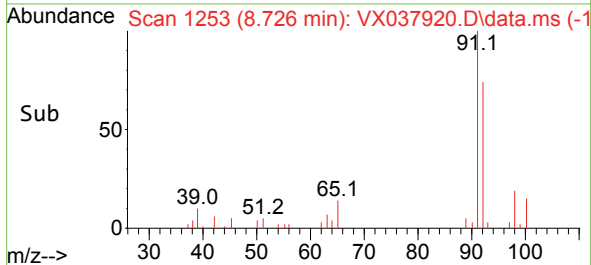
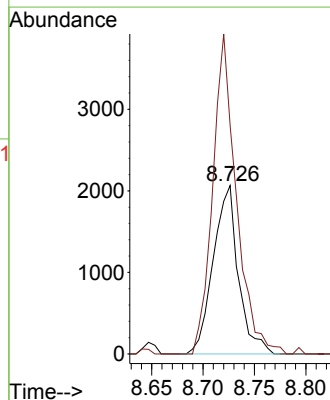
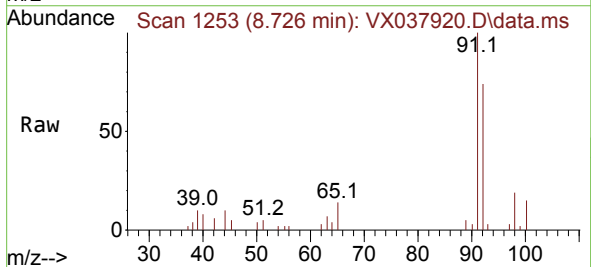
Instrument :
MSVOA_X
ClientSampleId :

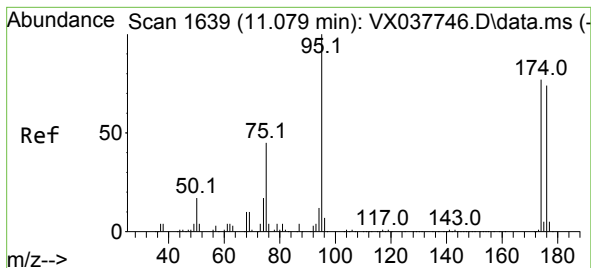
Tgt Ion: 98 Resp: 516372
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#52
Toluene
Concen: 0.442 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

Tgt Ion: 92 Resp: 3504
Ion Ratio Lower Upper
92 100
91 179.0 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 47.385 ug/l

RT: 11.086 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

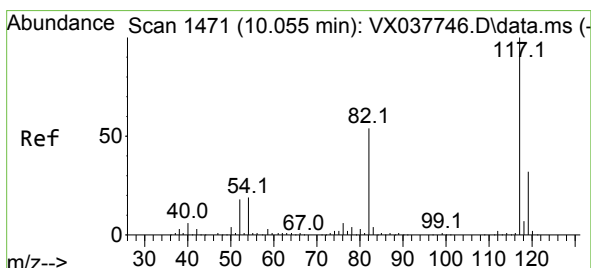
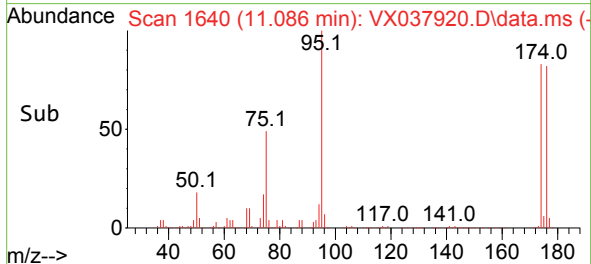
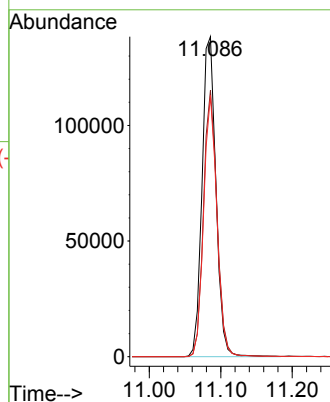
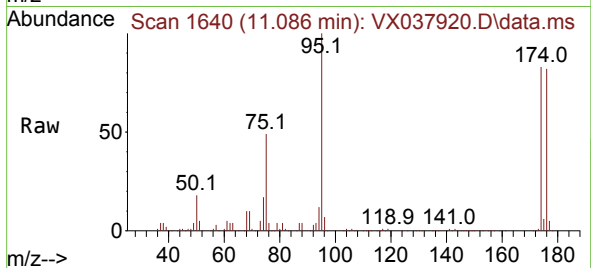
Tgt Ion: 95 Resp: 185837

Ion Ratio Lower Upper

95 100

174 81.5 0.0 135.6

176 79.0 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: VX037920.D

Acq: 27 Sep 2023 13:44

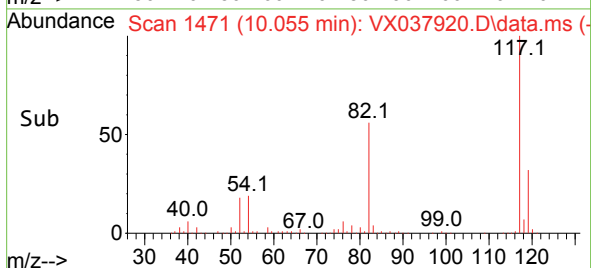
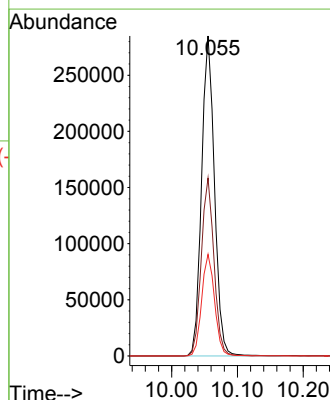
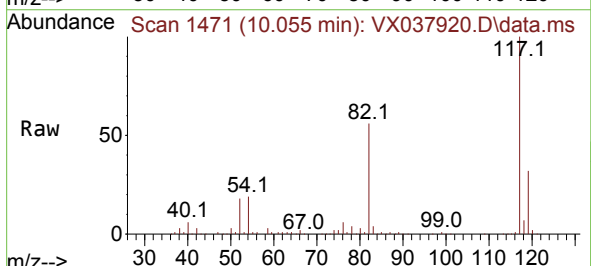
Tgt Ion: 117 Resp: 388335

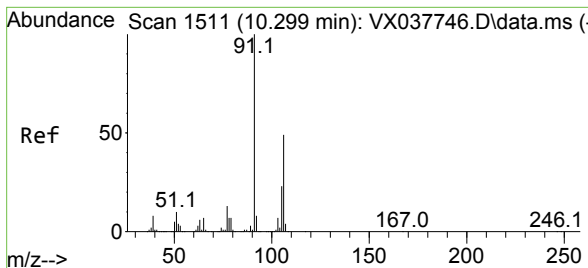
Ion Ratio Lower Upper

117 100

82 55.6 46.2 69.4

119 31.7 25.5 38.3

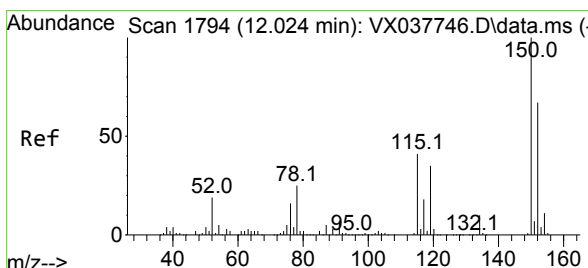
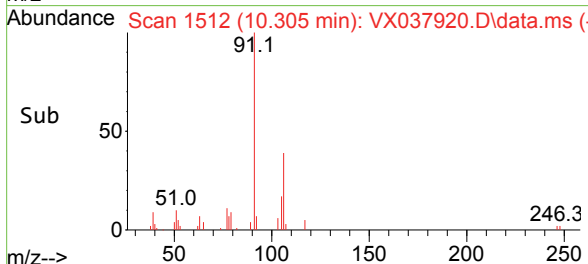
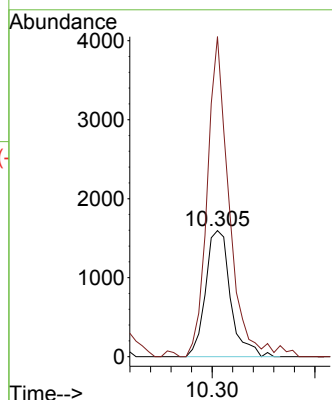
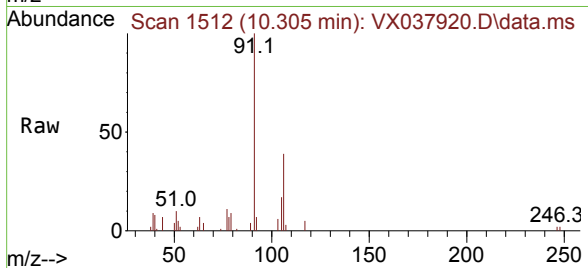




#68
m/p-Xylenes
Concen: 0.478 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

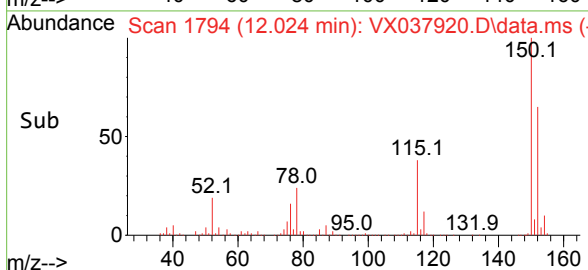
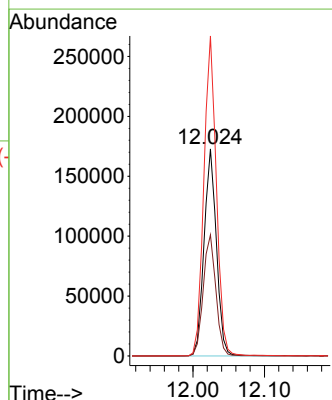
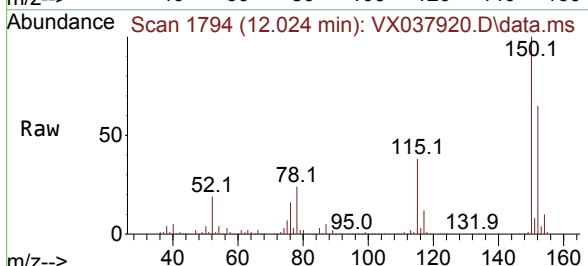
Instrument :
MSVOA_X
ClientSampleId :

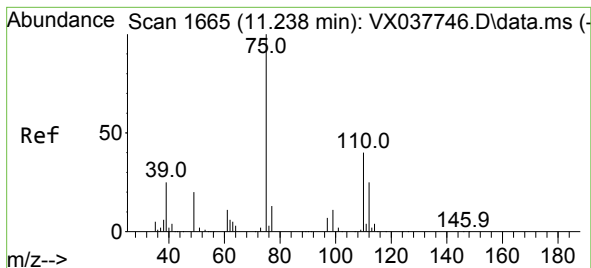
Tgt Ion:106 Resp: 2682
Ion Ratio Lower Upper
106 100
91 224.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037920.D
Acq: 27 Sep 2023 13:44

Tgt Ion:152 Resp: 208242
Ion Ratio Lower Upper
152 100
115 59.8 43.3 129.9
150 155.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.272 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. -0.152 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

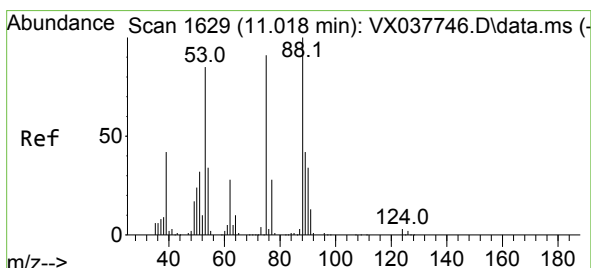
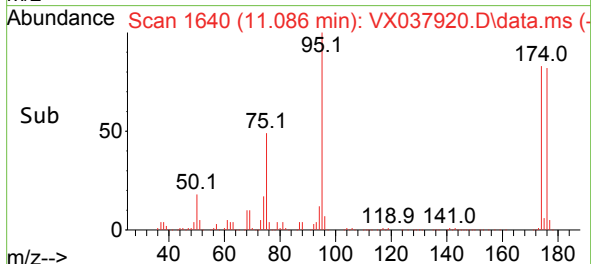
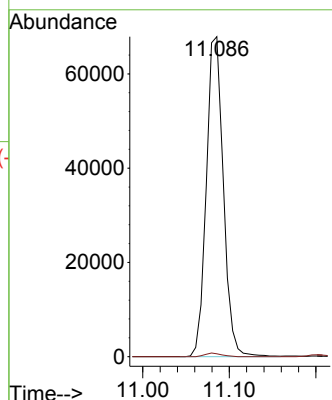
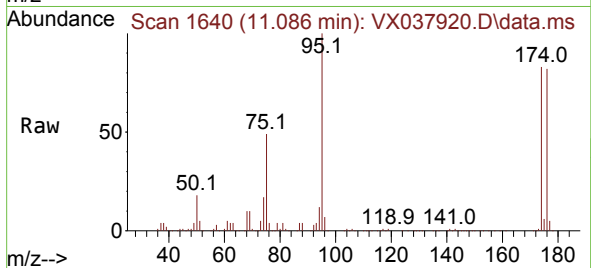
ClientSampleId :

Tgt Ion: 75 Resp: 92820

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.734 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

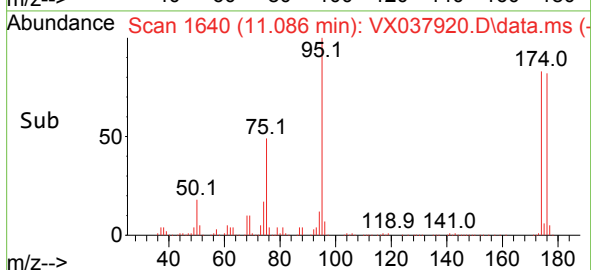
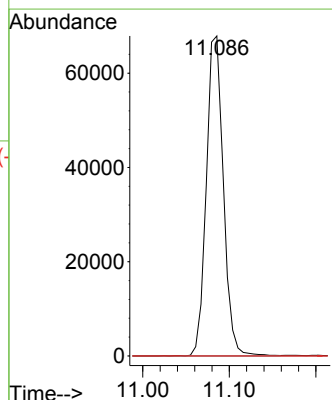
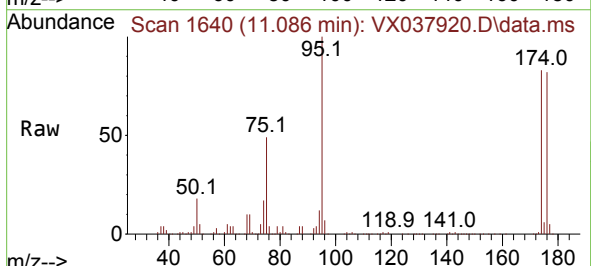
Tgt Ion: 75 Resp: 92820

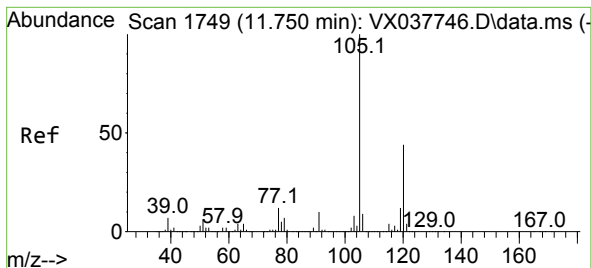
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.364 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

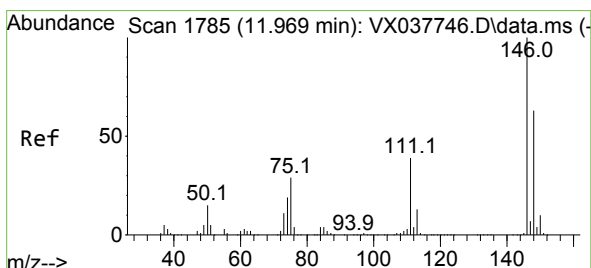
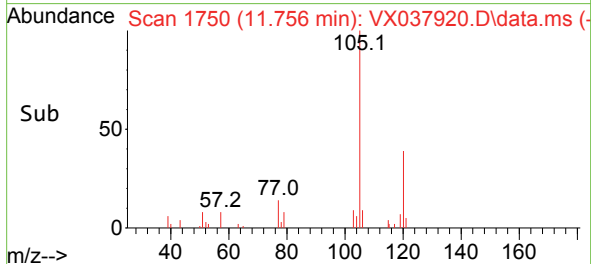
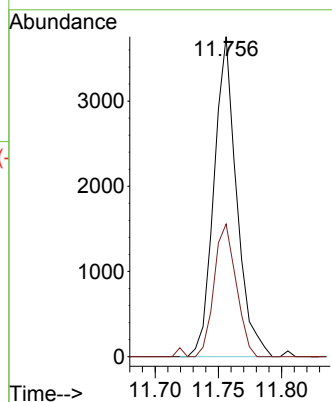
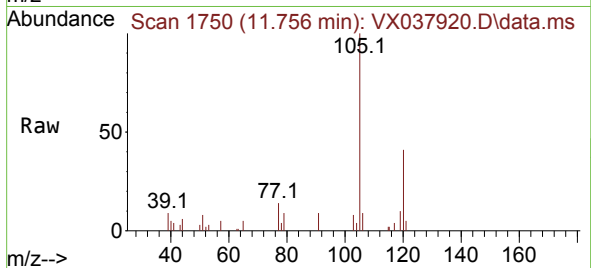
ClientSampleId :

Tgt Ion:105 Resp: 4671

Ion Ratio Lower Upper

105 100

120 40.4 21.2 63.6



#87

1,3-Dichlorobenzene

Concen: 0.236 ug/l

RT: 11.970 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

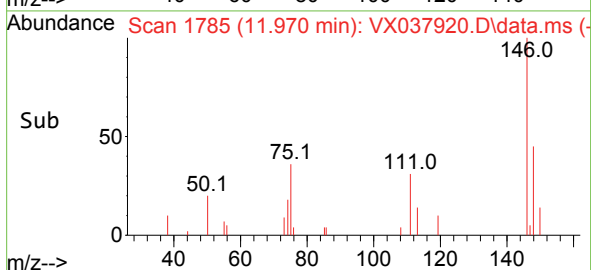
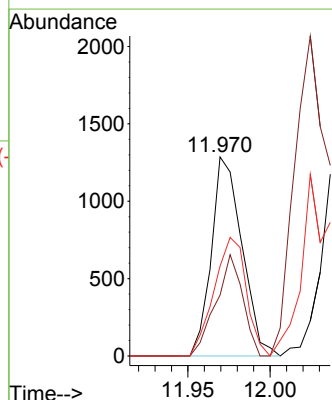
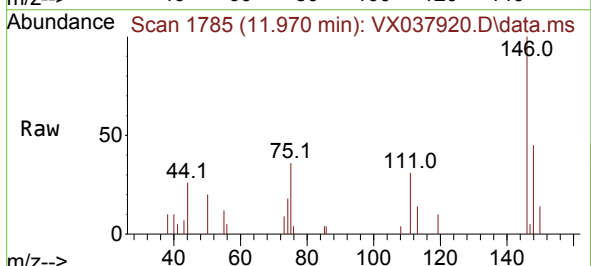
Tgt Ion:146 Resp: 1664

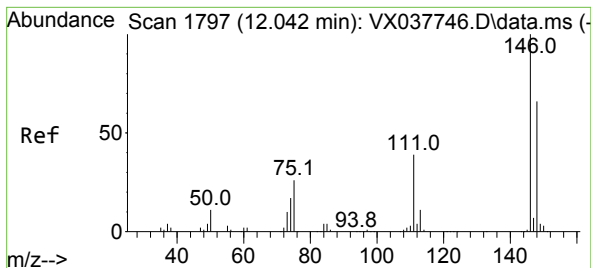
Ion Ratio Lower Upper

146 100

111 44.7 22.1 66.1

148 62.6 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 11.970 min Scan# 1

Delta R.T. -0.073 min

Lab File: VX037920.D

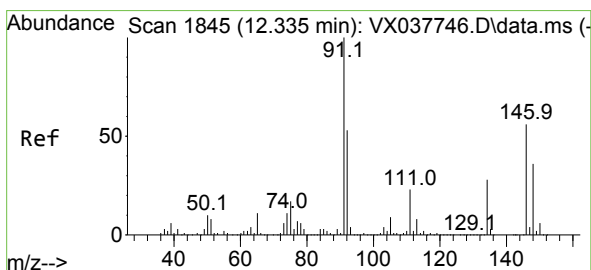
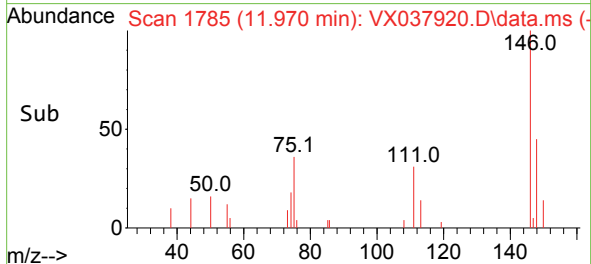
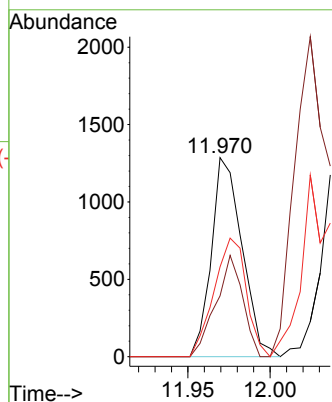
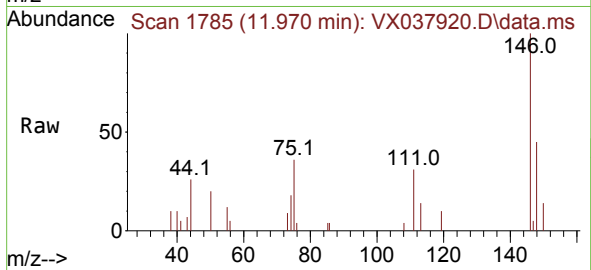
Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:146	Resp:	1664
Ion	Ratio	Lower Upper
146	100	
111	44.7	21.3 63.7
148	62.6	31.8 95.4



#89

n-Butylbenzene

Concen: 0.310 ug/l

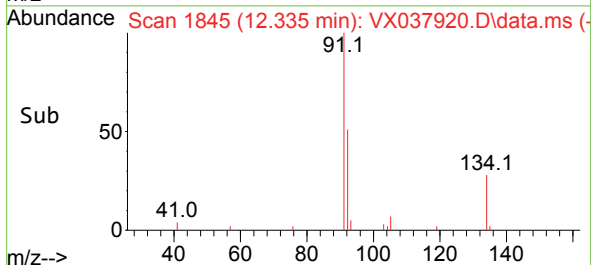
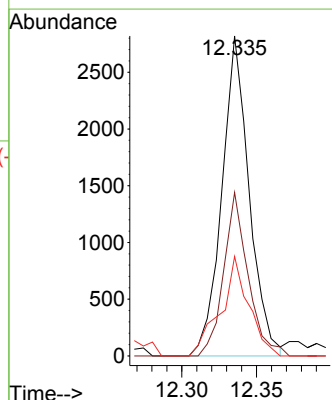
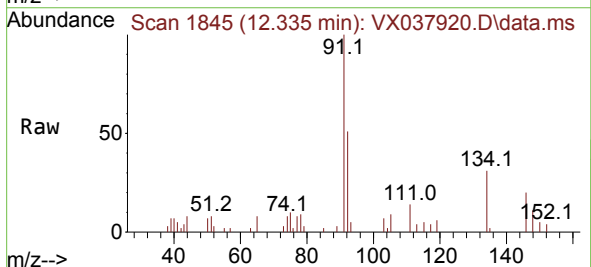
RT: 12.335 min Scan# 1845

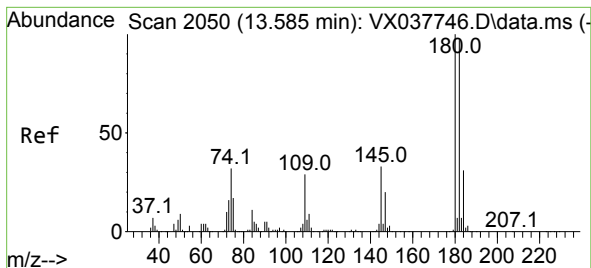
Delta R.T. 0.000 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Tgt Ion: 91	Resp:	3580
Ion	Ratio	Lower Upper
91	100	
92	45.6	27.4 82.0
134	32.0	12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.558 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX037920.D

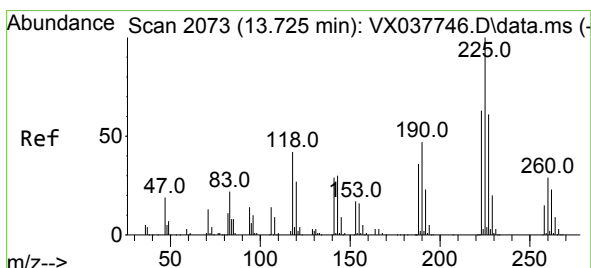
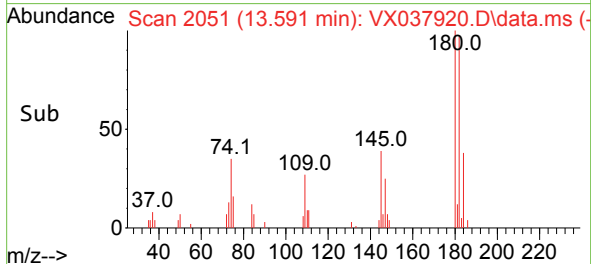
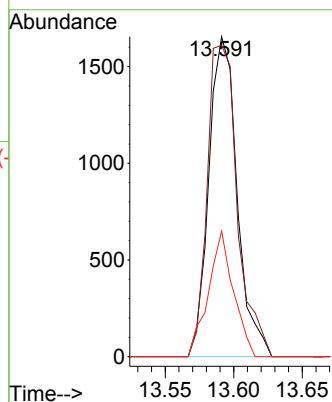
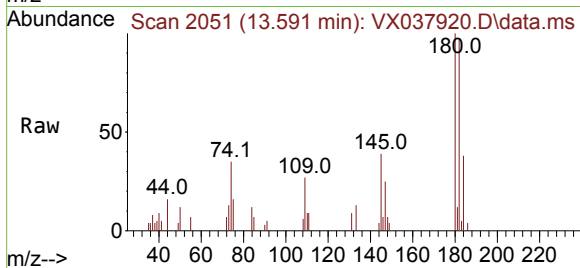
Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	2367
Ion Ratio	Lower	Upper
180	100	
182	103.8	48.3 144.8
145	34.8	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.538 ug/l

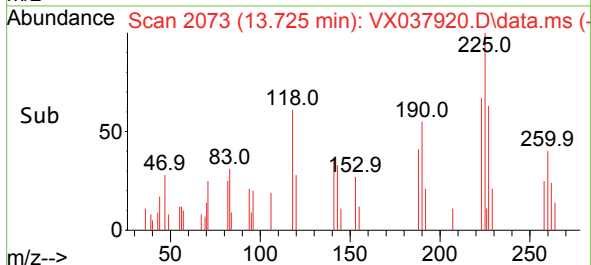
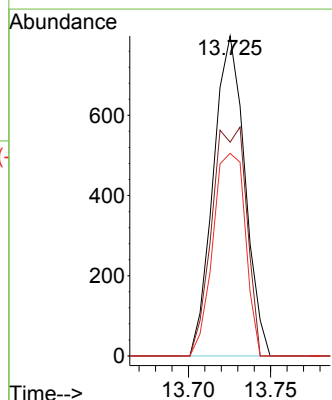
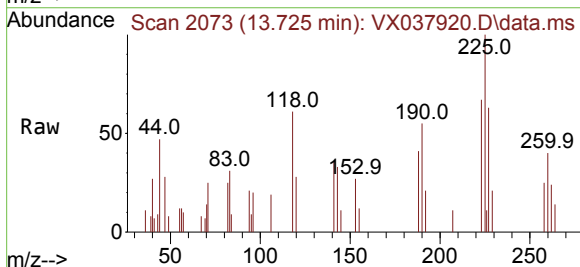
RT: 13.725 min Scan# 2073

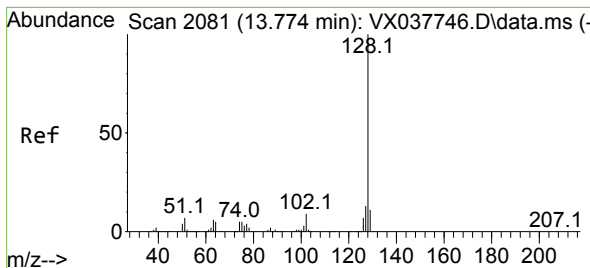
Delta R.T. 0.000 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Tgt Ion:225	Resp:	1065
Ion Ratio	Lower	Upper
225	100	
223	78.3	31.1 93.2
227	64.9	32.5 97.5





#95

Naphthalene

Concen: 0.445 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037920.D

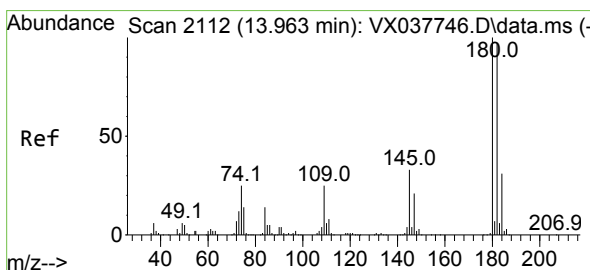
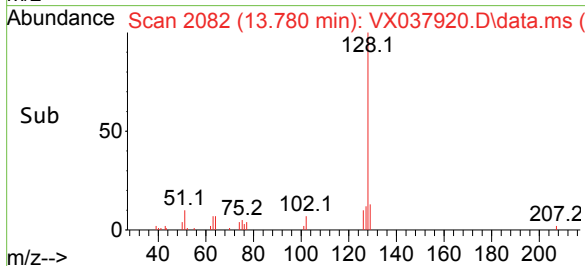
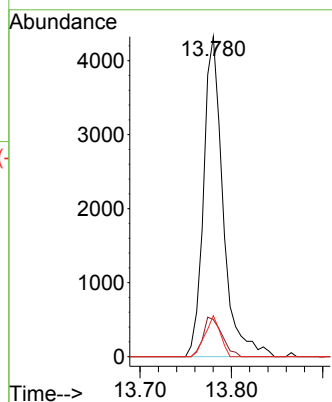
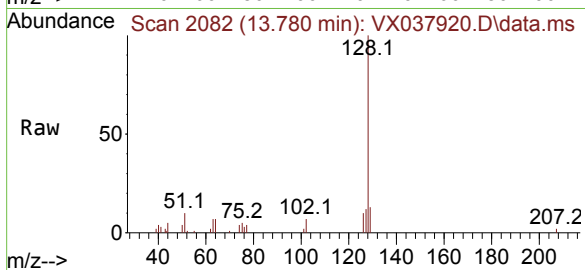
Acq: 27 Sep 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	128	Resp:	6382
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.3	15.5
129	9.9	8.8	13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.518 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037920.D

Acq: 27 Sep 2023 13:44

Tgt Ion:	180	Resp:	2259
Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.9	140.6
145	31.7	17.8	53.5

