

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037793.D
 Acq On : 19 Sep 2023 10:12
 Operator : JC/MD
 Sample : VX0919MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:57:25 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)

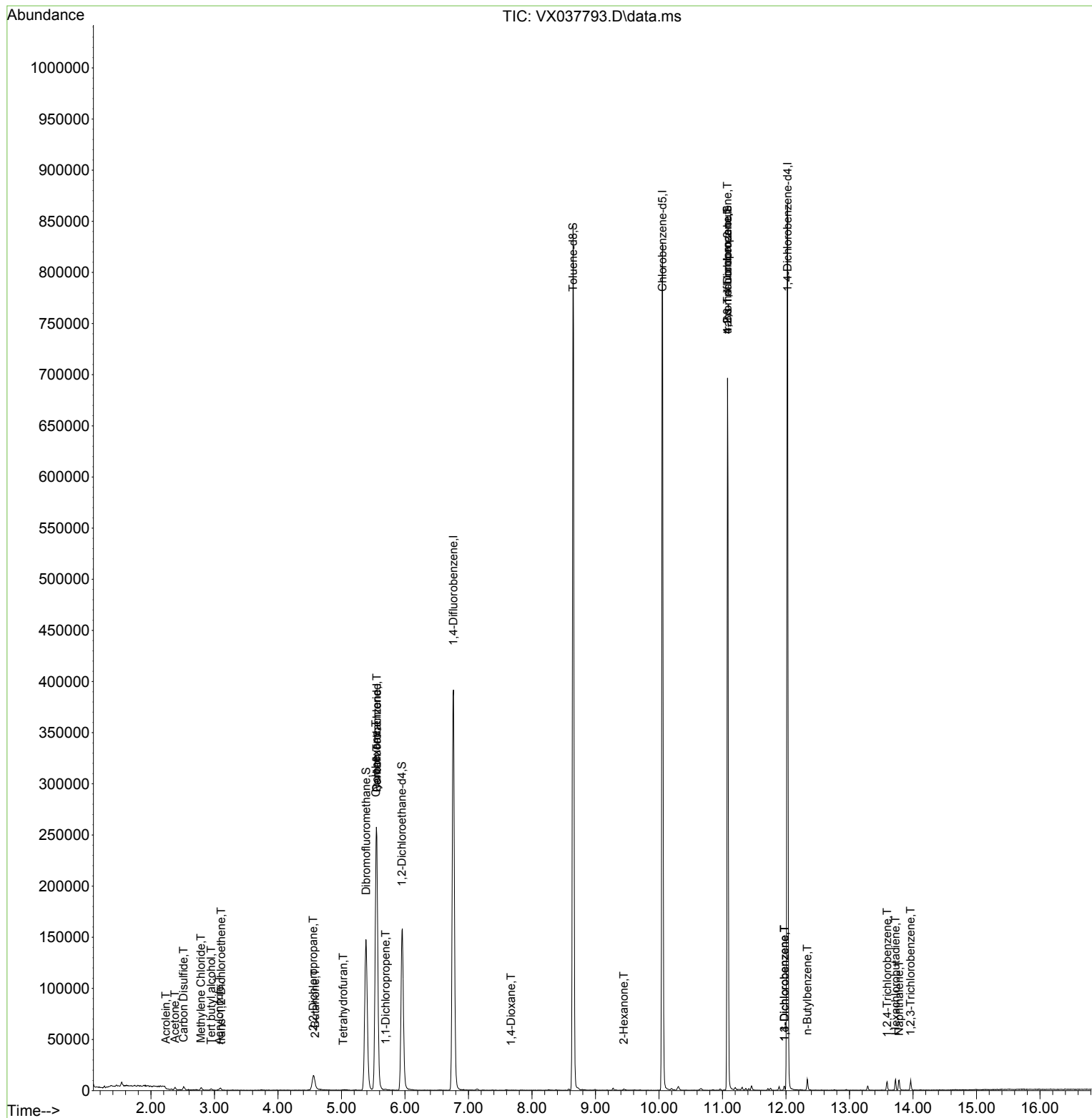
Internal Standards						
1) Pentafluorobenzene	5.556	168	249885	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	415081	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	189192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	150272	45.771	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.540%
35) Dibromofluoromethane	5.385	113	128357	46.216	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.440%
50) Toluene-d8	8.647	98	499531	48.407	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.820%
62) 4-Bromofluorobenzene	11.079	95	179433	47.850	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.700%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.947	59	917	1.301	ug/l	# 78
13) Acrolein	2.233	56	692	0.994	ug/l	# 80
15) Acrylonitrile	3.075	53	714	0.456	ug/l	93
16) Acetone	2.380	43	2366	1.498	ug/l	# 89
17) Carbon Disulfide	2.514	76	2932	0.480	ug/l	# 91
20) Methylene Chloride	2.788	84	1375	0.446	ug/l	# 81
21) trans-1,2-Dichloroethene	3.105	96	636	0.235	ug/l	# 59
25) 2-Butanone	4.587	43	524	0.235	ug/l	93
26) 2,2-Dichloropropane	4.556	77	1187	0.290	ug/l	# 54
29) Tetrahydrofuran	5.026	42	390	0.281	ug/l	# 44
31) Cyclohexane	5.544	56	5233	1.242	ug/l	# 1
36) 1,1-Dichloropropene	5.696	75	794	0.208	ug/l	# 57
38) Carbon Tetrachloride	5.556	117	24613	6.149	ug/l	# 15
49) 1,4-Dioxane	7.671	88	200	2.373	ug/l	# 12
59) 2-Hexanone	9.445	43	1004	0.302	ug/l	82
76) 1,2,3-Trichloropropane	11.079	75	90650	20.716	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	90650	66.361	ug/l	# 5
87) 1,3-Dichlorobenzene	11.976	146	1465	0.229	ug/l	93
88) 1,4-Dichlorobenzene	11.976	146	1465	0.224	ug/l	92
89) n-Butylbenzene	12.335	91	3626	0.346	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	2334	0.606	ug/l	94
94) Hexachlorobutadiene	13.725	225	1592	0.885	ug/l	96
95) Naphthalene	13.780	128	8039	0.617	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2508	0.633	ug/l	92

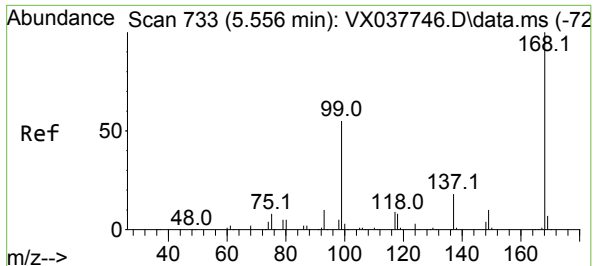
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 00:57:25 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

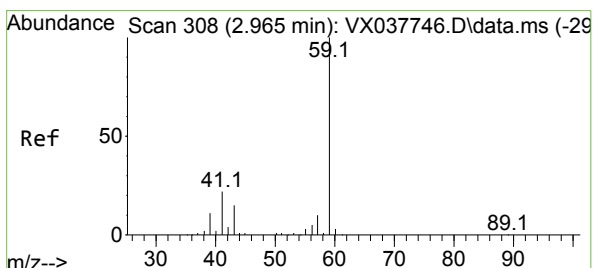
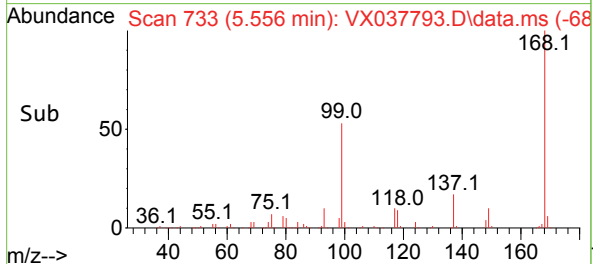
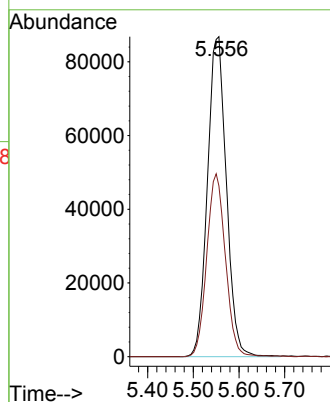
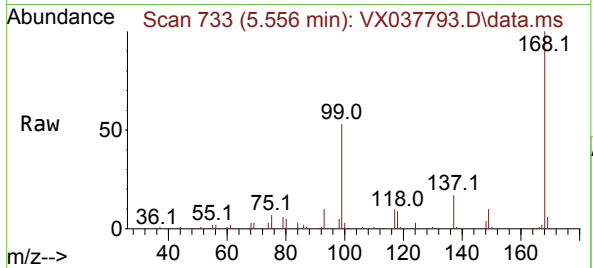




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

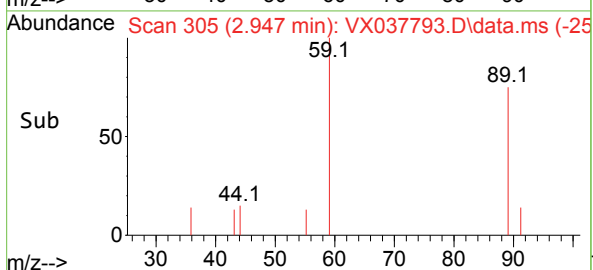
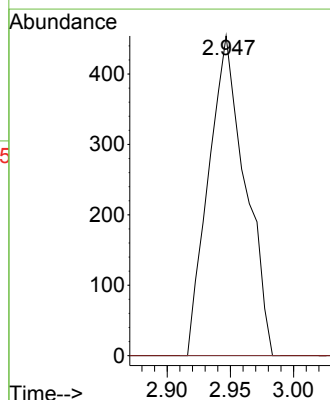
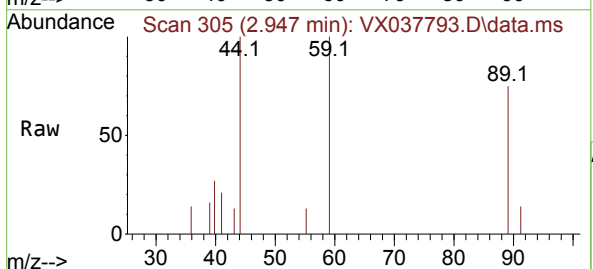
Instrument :
MSVOA_X
ClientSampleId :

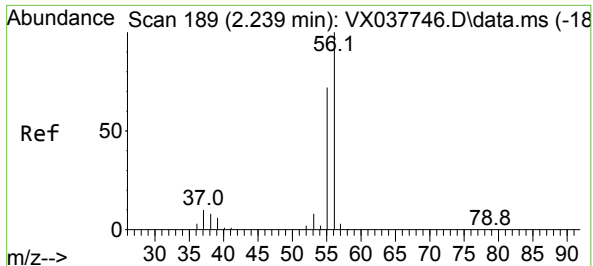
Tgt Ion:168 Resp: 249885
Ion Ratio Lower Upper
168 100
99 53.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.301 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Tgt Ion: 59 Resp: 917
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

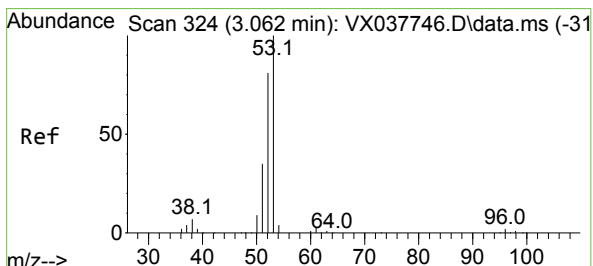
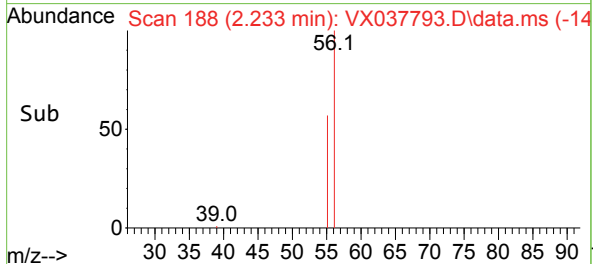
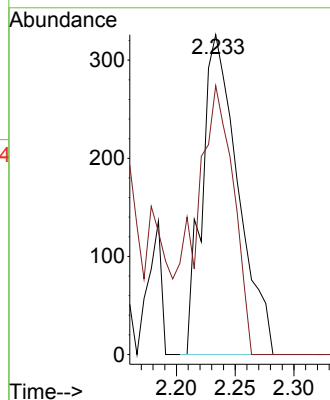
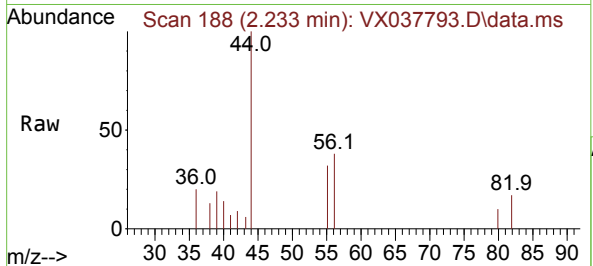




#13
Acrolein
Concen: 0.994 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

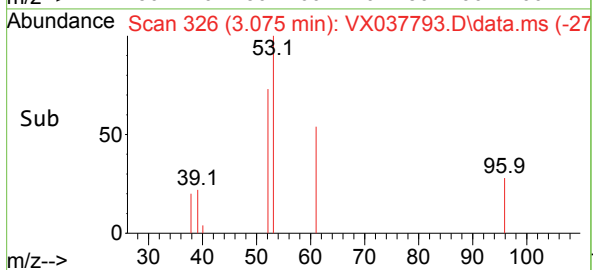
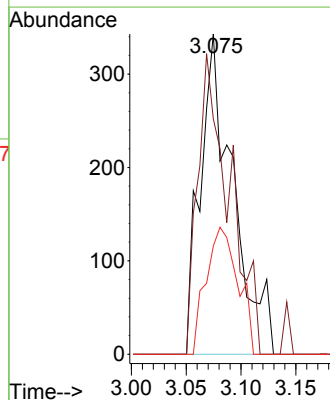
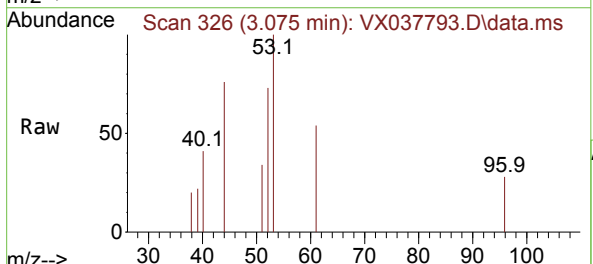
Instrument :
MSVOA_X
ClientSampleId :

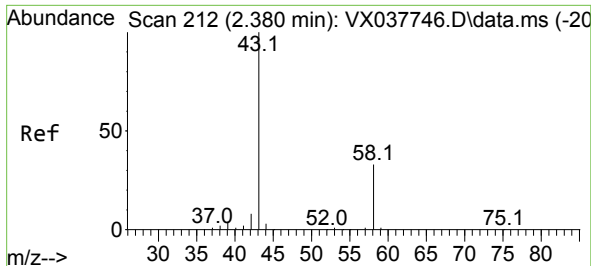
Tgt Ion: 56 Resp: 692
Ion Ratio Lower Upper
56 100
55 87.9 57.1 85.7#



#15
Acrylonitrile
Concen: 0.456 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Tgt Ion: 53 Resp: 714
Ion Ratio Lower Upper
53 100
52 91.2 66.0 99.0
51 38.7 29.8 44.6

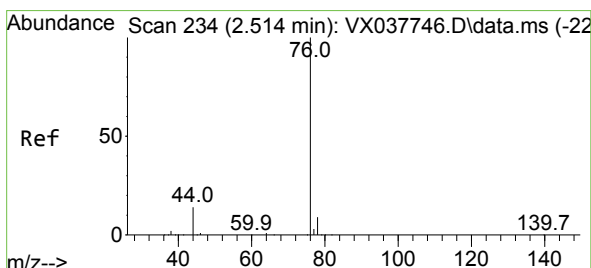
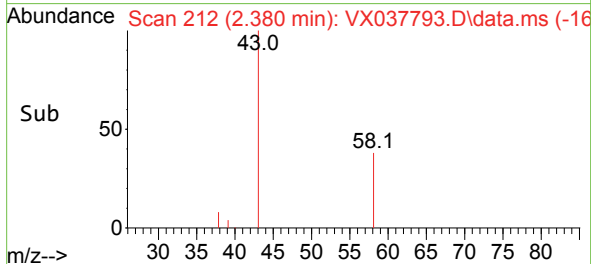
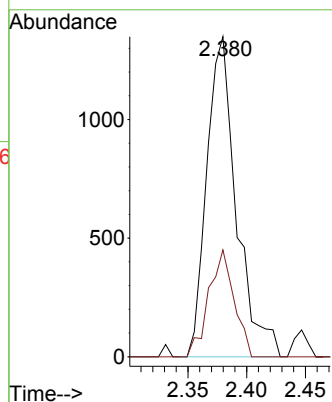
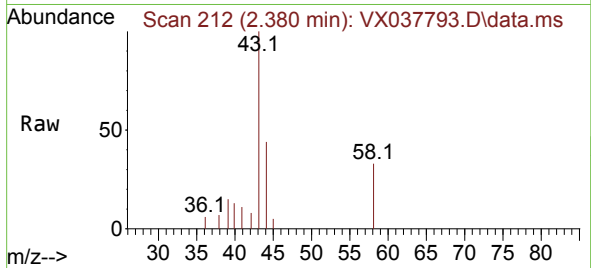




#16
Acetone
Concen: 1.498 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

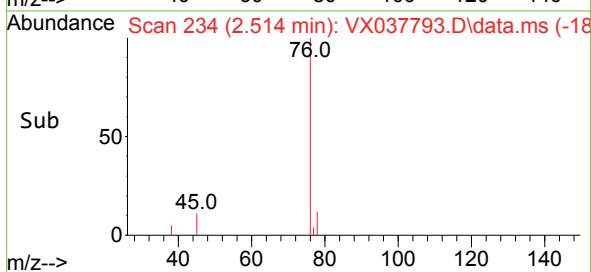
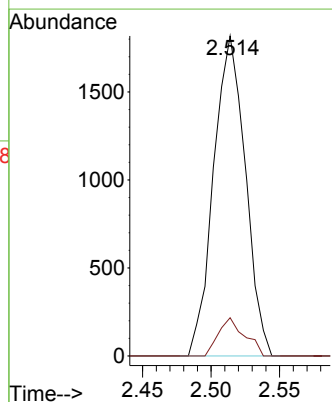
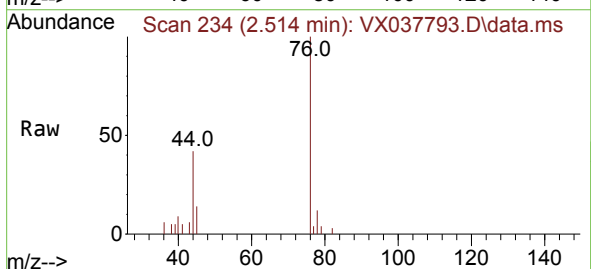
Instrument :
MSVOA_X
ClientSampleId :

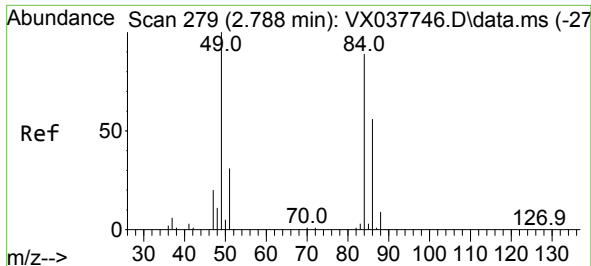
Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.480 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Tgt Ion: 76 Resp: 2932
Ion Ratio Lower Upper
76 100
78 11.9 7.0 10.6#





#20

Methylene Chloride

Concen: 0.446 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

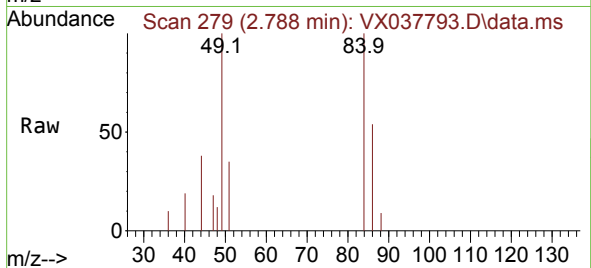
Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1375

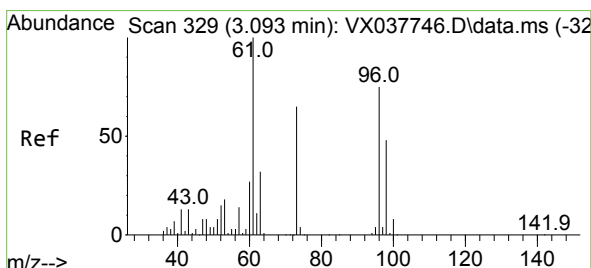
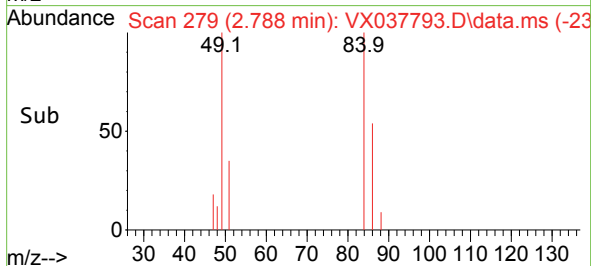
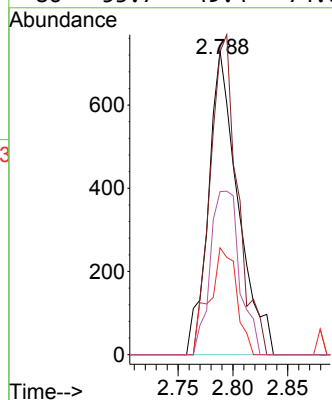
Ion Ratio Lower Upper

84 100

49 99.7 103.6 155.4#

51 35.2 33.8 50.6

86 53.7 49.4 74.0



#21

trans-1,2-Dichloroethene

Concen: 0.235 ug/l

RT: 3.105 min Scan# 331

Delta R.T. 0.012 min

Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

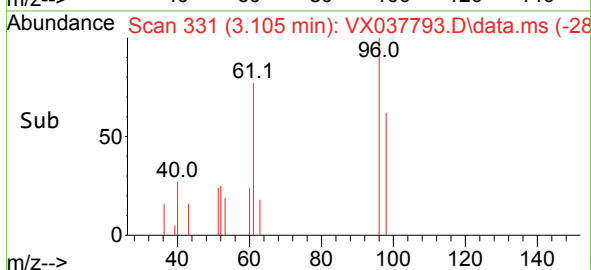
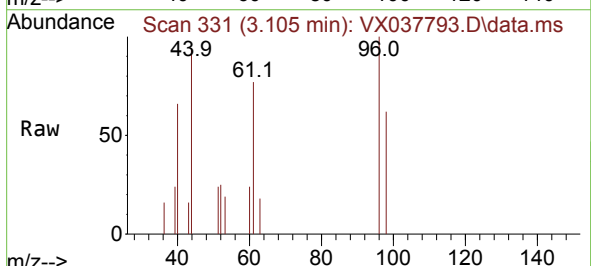
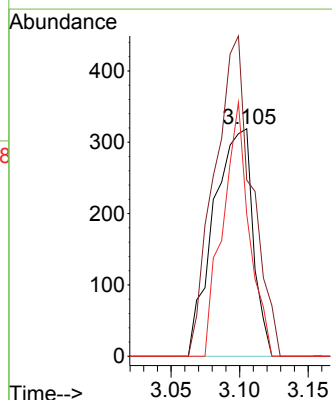
Tgt Ion: 96 Resp: 636

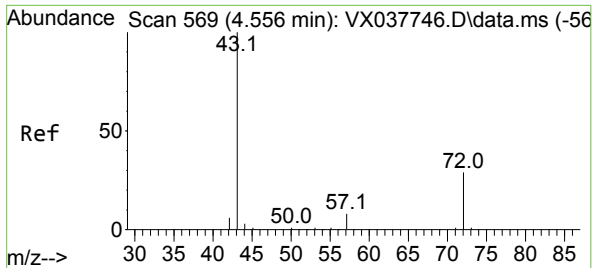
Ion Ratio Lower Upper

96 100

61 77.4 119.2 178.8#

98 62.4 48.7 73.1

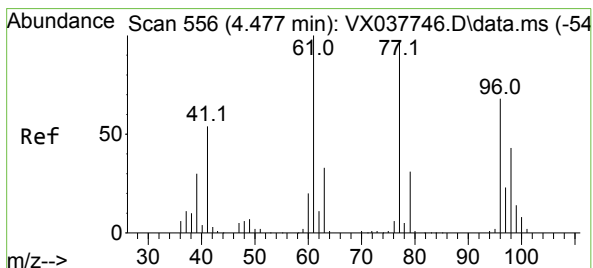
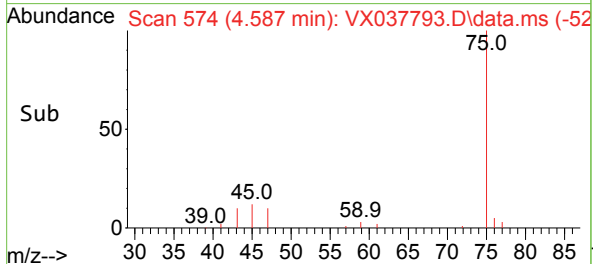
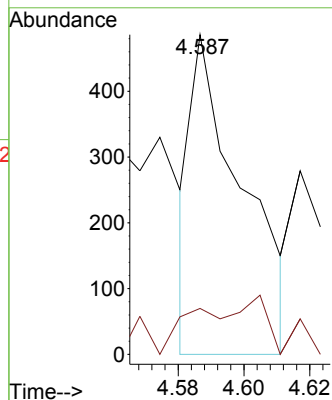
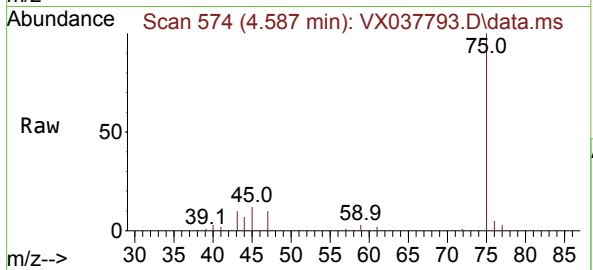




#25
2-Butanone
Concen: 0.235 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

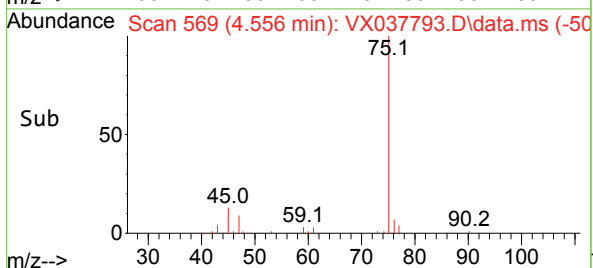
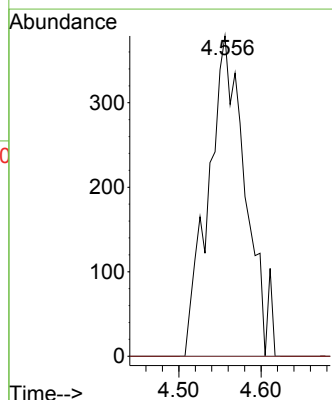
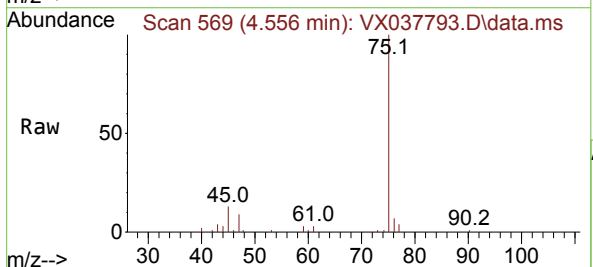
Instrument :
MSVOA_X
ClientSampleId :

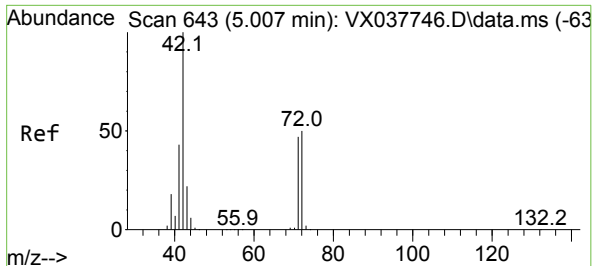
Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
72 20.8 19.4 29.2



#26
2,2-Dichloropropane
Concen: 0.290 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.079 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Tgt Ion: 77 Resp: 1187
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 5.026 min Scan# 643

Delta R.T. 0.012 min

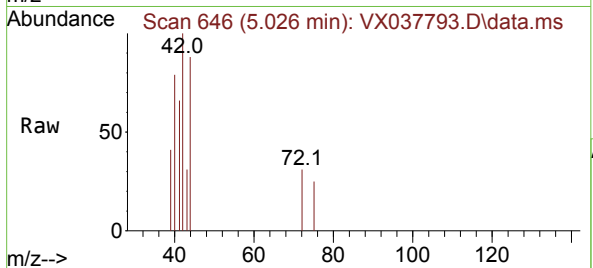
Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

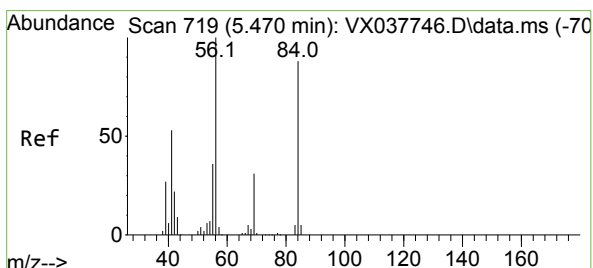
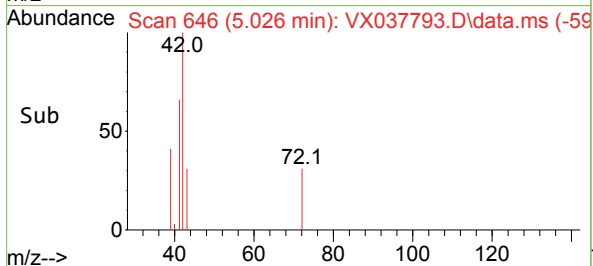
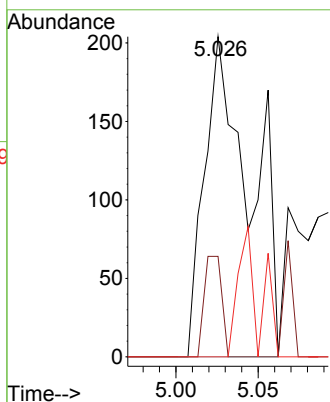
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	390
Ion	Ratio	Lower	Upper
42	100		
72	12.1	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.242 ug/l

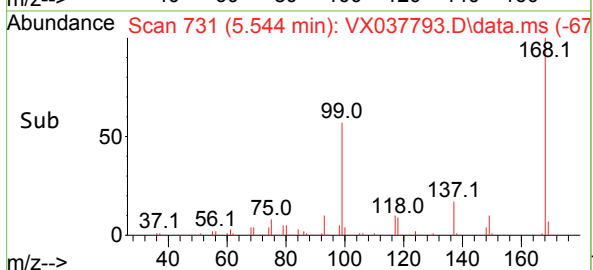
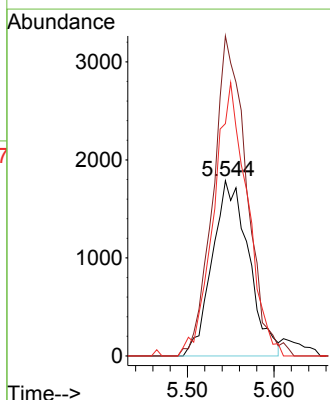
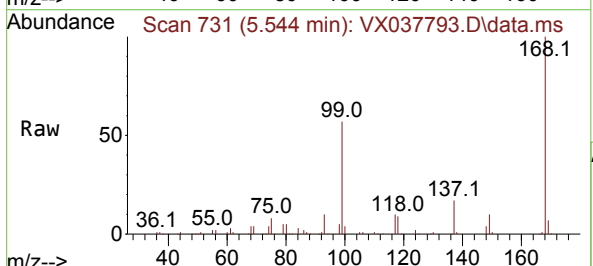
RT: 5.544 min Scan# 731

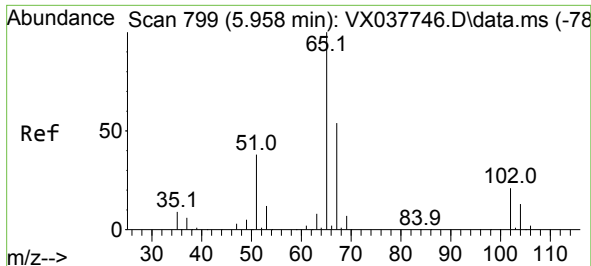
Delta R.T. 0.073 min

Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

Tgt Ion:	56	Resp:	5233
Ion	Ratio	Lower	Upper
56	100		
69	182.7	23.4	35.2#
84	132.6	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.771 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

Instrument :

MSVOA_X

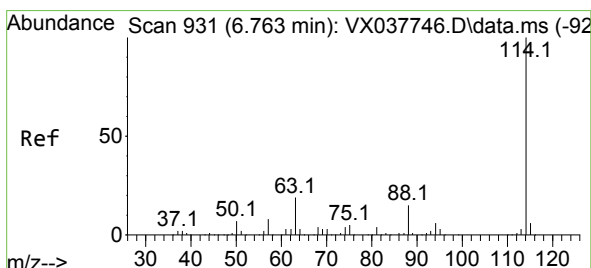
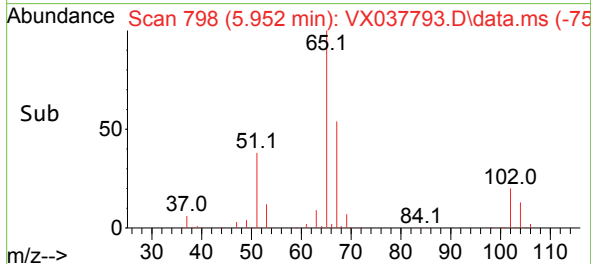
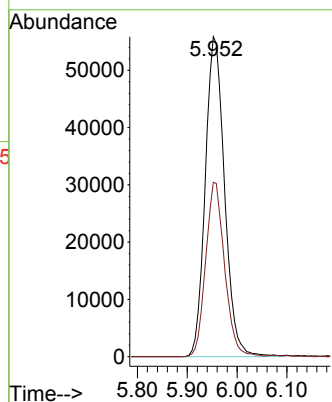
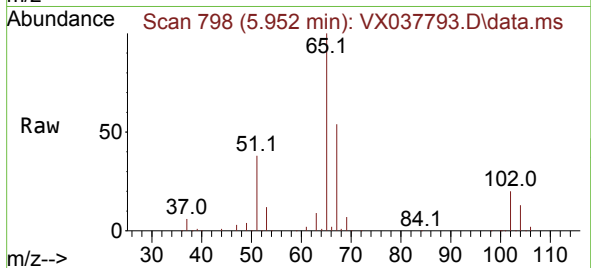
ClientSampleId :

Tgt Ion: 65 Resp: 150272

Ion Ratio Lower Upper

65 100

67 53.4 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: VX037793.D

Acq: 19 Sep 2023 10:12

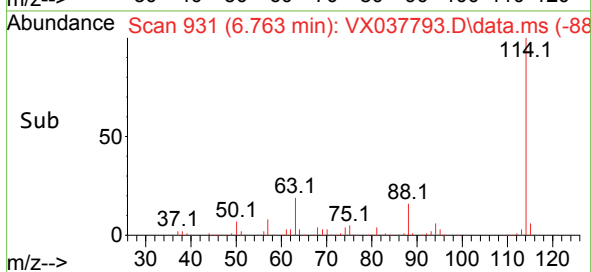
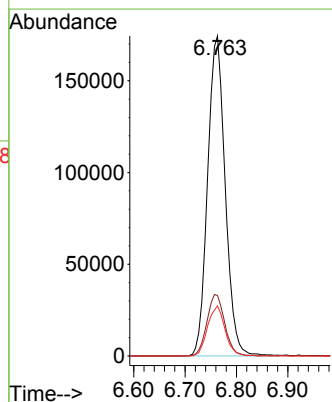
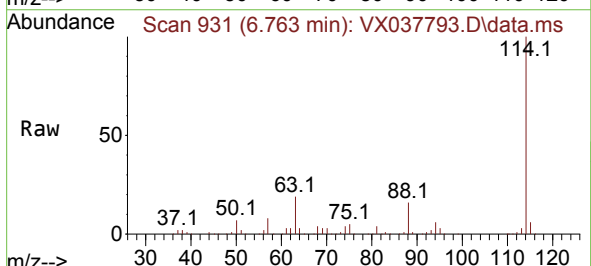
Tgt Ion: 114 Resp: 415081

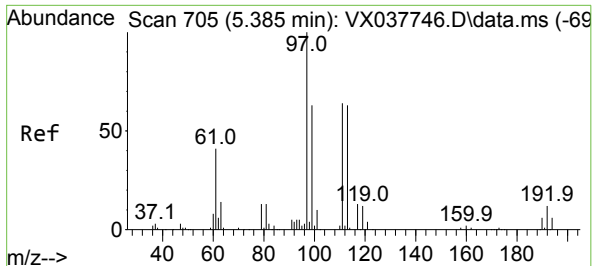
Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

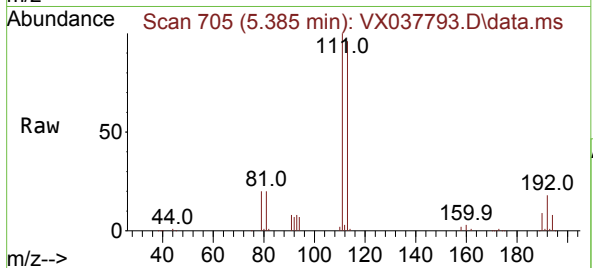
88 15.6 0.0 36.6



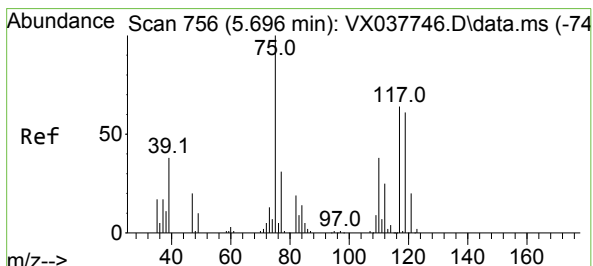
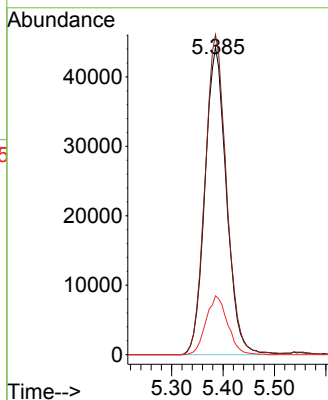
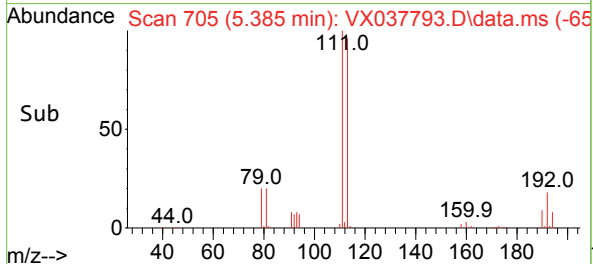


#35
Dibromofluoromethane
Concen: 46.216 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Instrument :
MSVOA_X
ClientSampleId :

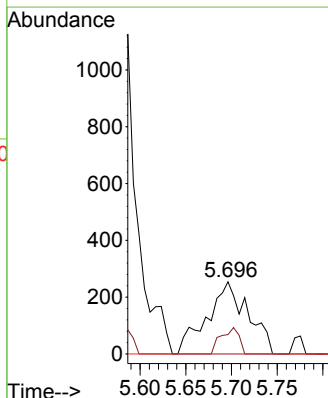
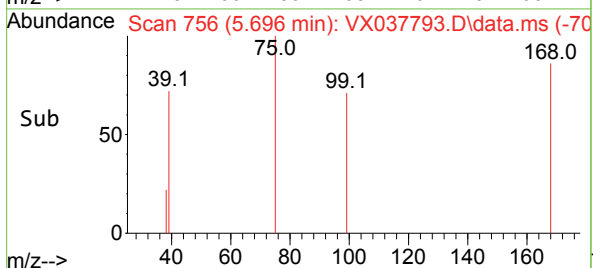
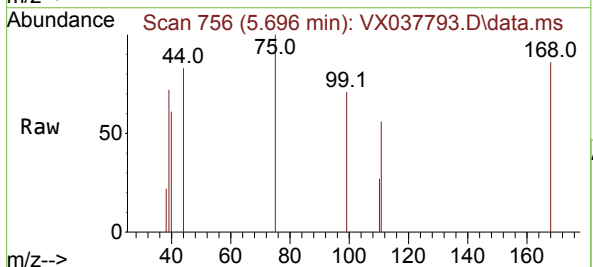


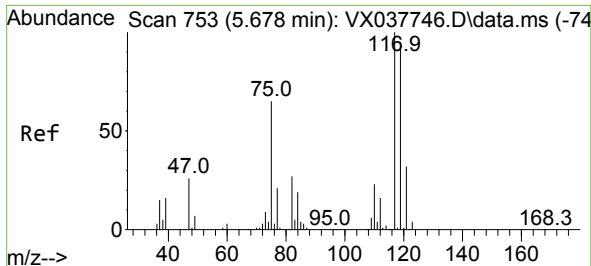
Tgt Ion:113 Resp: 128357
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 19.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 0.208 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

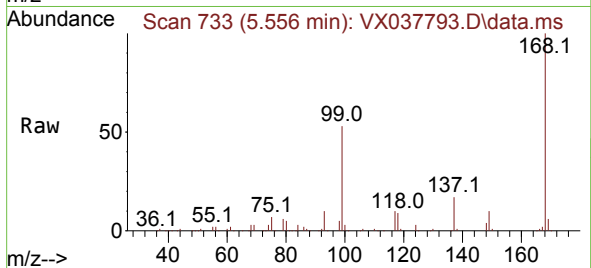
Tgt Ion: 75 Resp: 794
Ion Ratio Lower Upper
75 100
110 16.1 17.0 50.9#
77 0.0 24.7 37.1#



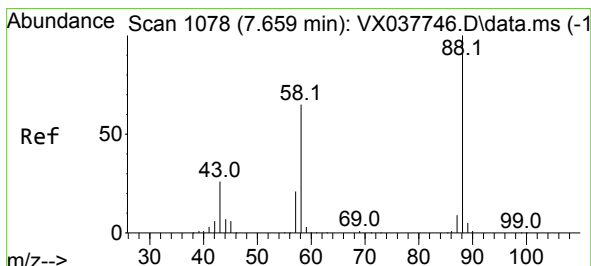
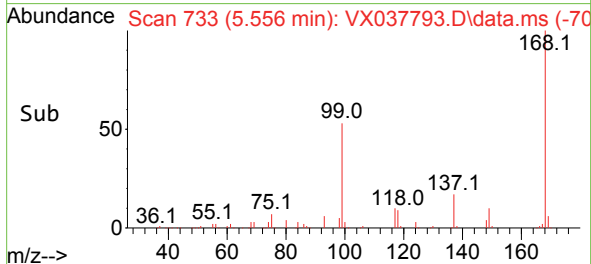
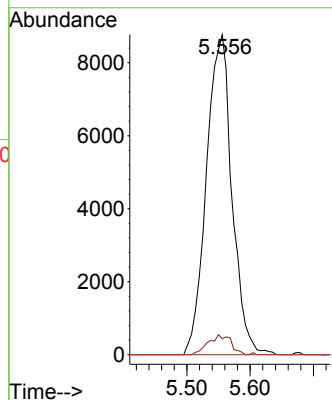


#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Instrument :
MSVOA_X
ClientSampleId :

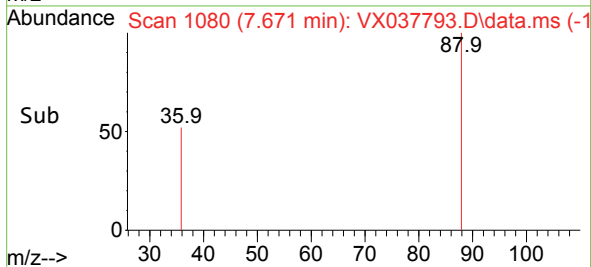
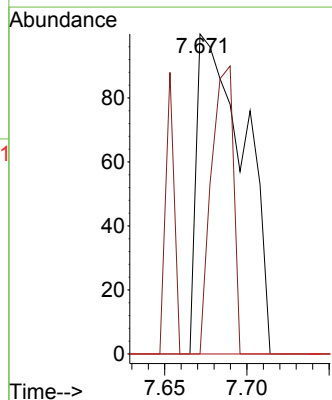
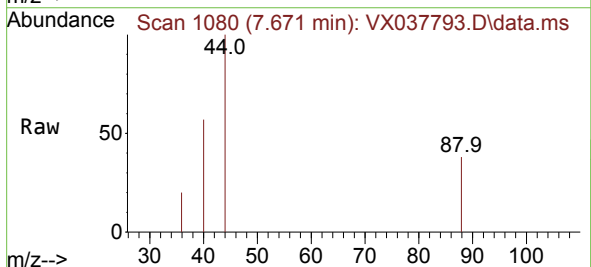


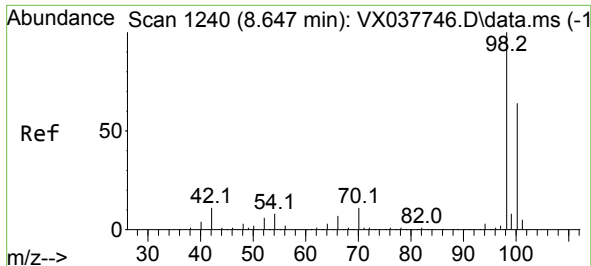
Tgt Ion:117 Resp: 24613
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 2.373 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Tgt Ion: 88 Resp: 200
Ion Ratio Lower Upper
88 100
43 42.0 0.0 0.0#
58 0.0 60.1 90.1#

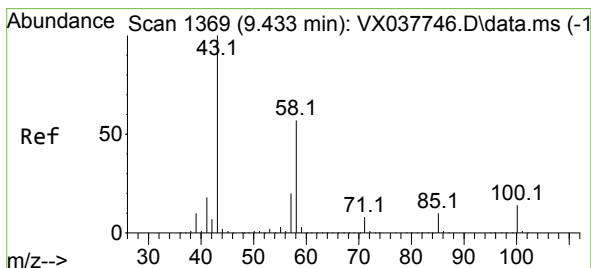
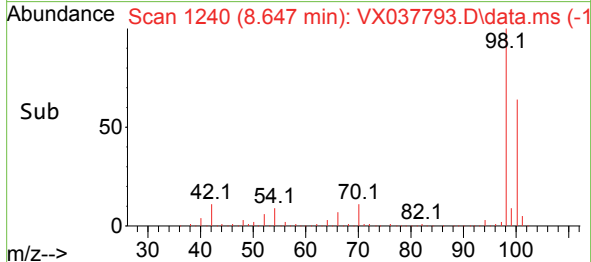
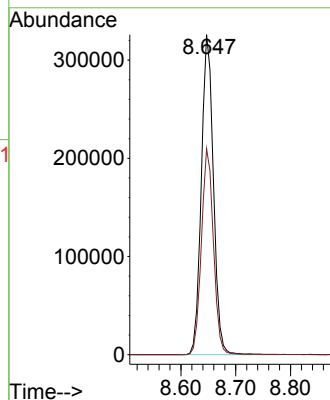
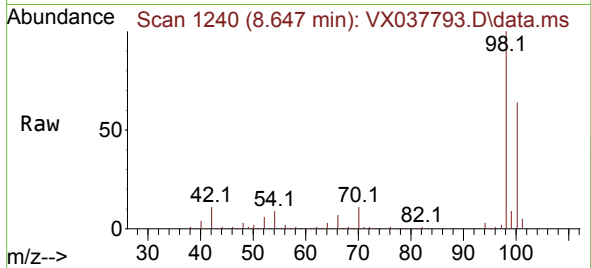




#50
Toluene-d8
Concen: 48.407 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

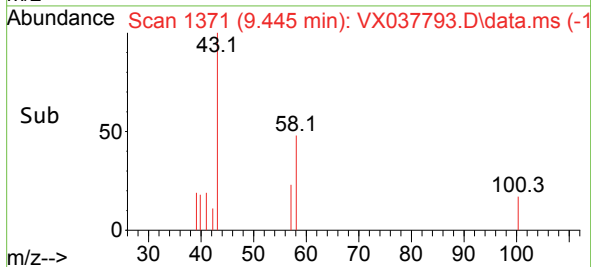
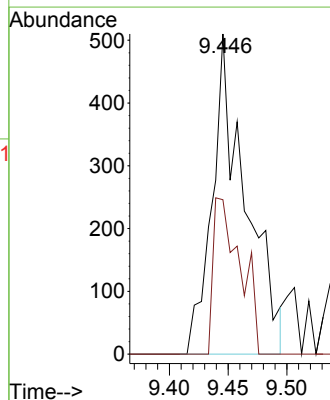
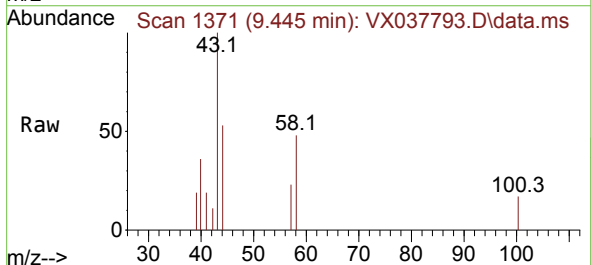
Instrument :
MSVOA_X
ClientSampleId :

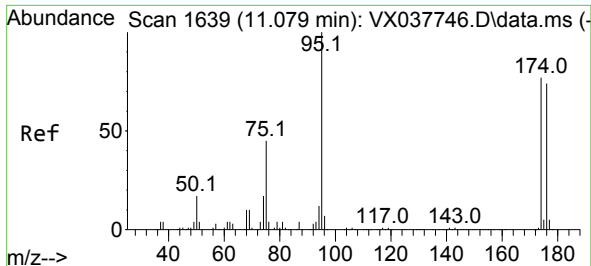
Tgt Ion: 98 Resp: 499531
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#59
2-Hexanone
Concen: 0.302 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
58 39.5 26.2 78.5

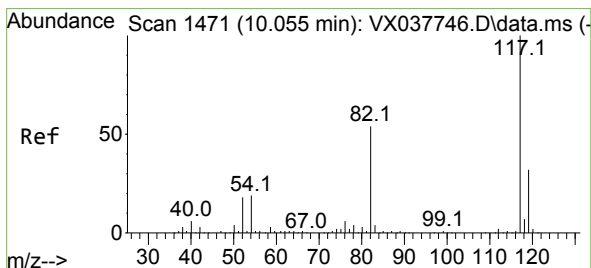
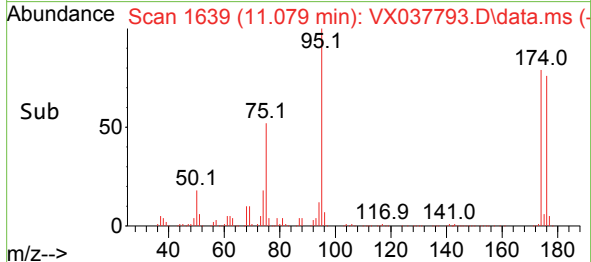
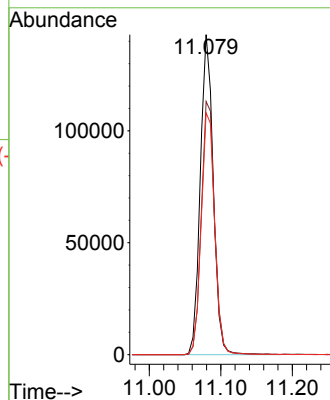
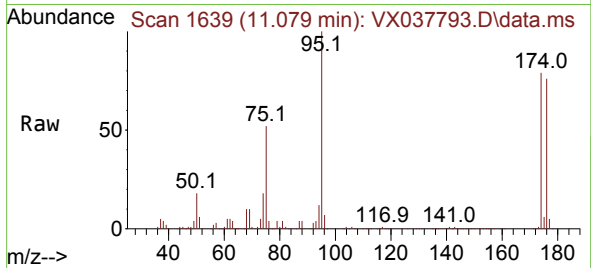




#62
4-Bromofluorobenzene
Concen: 47.850 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

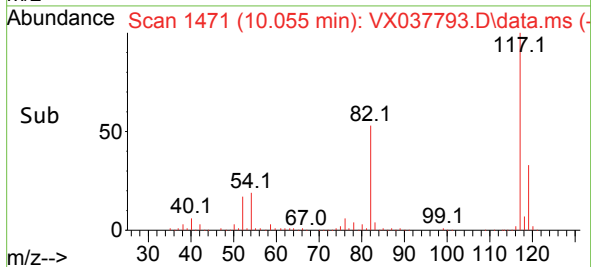
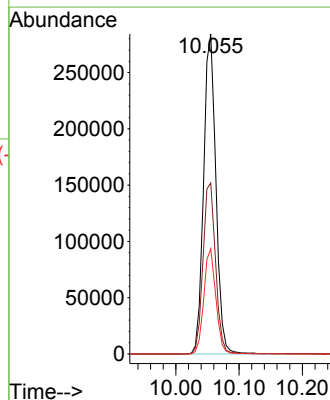
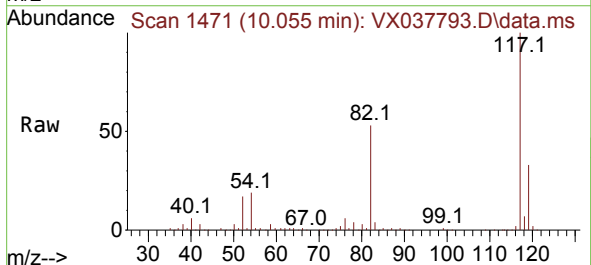
Instrument :
MSVOA_X
ClientSampleId :

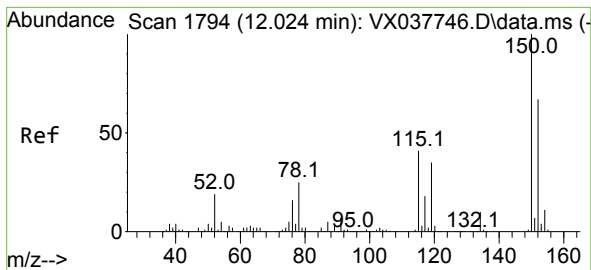
Tgt Ion: 95 Resp: 179433
Ion Ratio Lower Upper
95 100
174 81.9 0.0 135.6
176 78.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

Tgt Ion: 117 Resp: 385482
Ion Ratio Lower Upper
117 100
82 53.4 46.2 69.4
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

Instrument :

MSVOA_X

ClientSampleId :

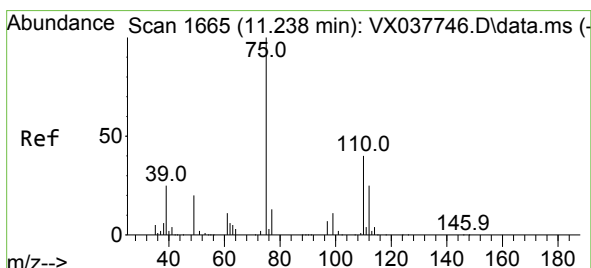
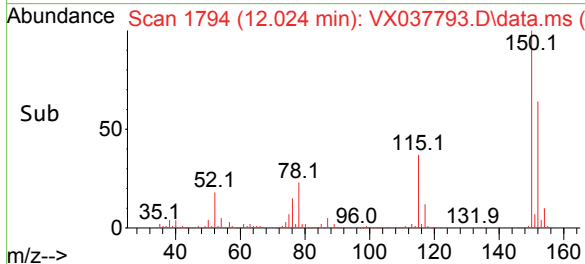
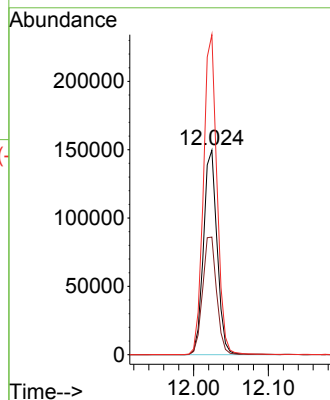
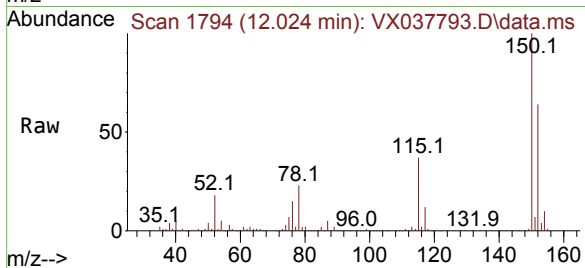
Tgt Ion:152 Resp: 189192

Ion Ratio Lower Upper

152 100

115 59.3 43.3 129.9

150 155.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.716 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037793.D

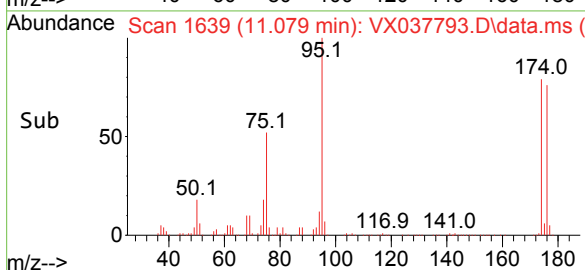
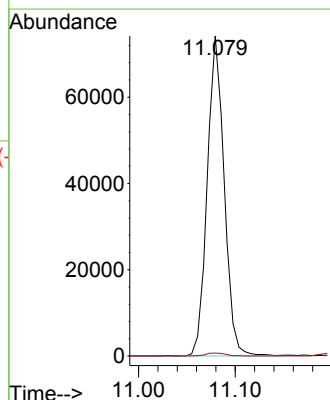
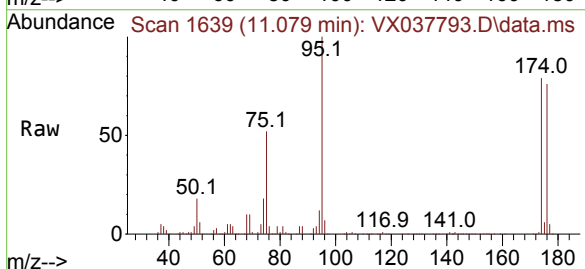
Acq: 19 Sep 2023 10:12

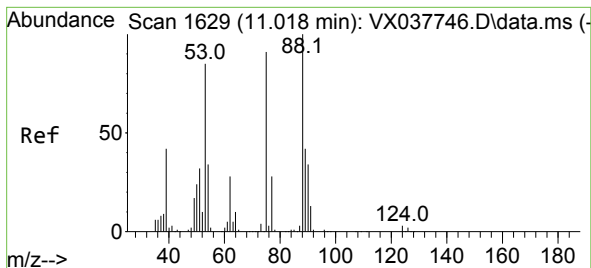
Tgt Ion: 75 Resp: 90650

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

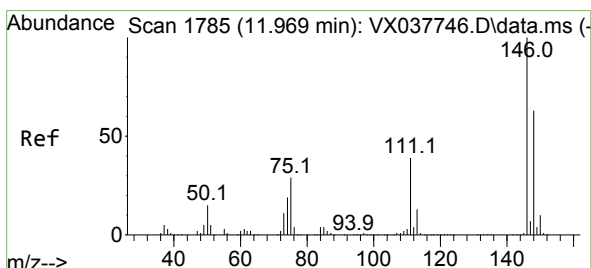
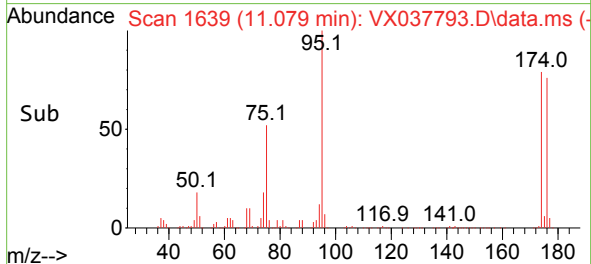
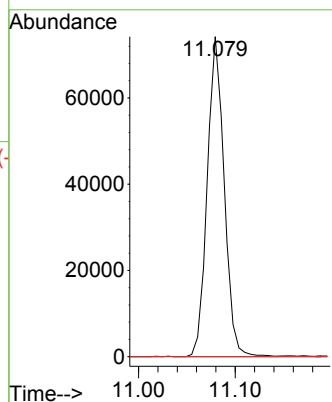
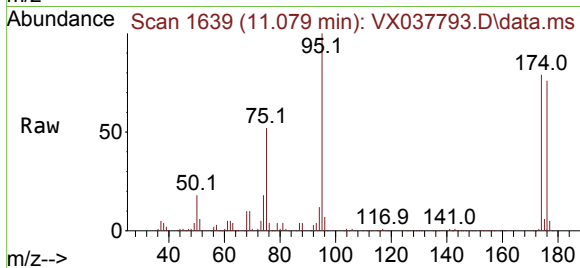




#81
trans-1,4-Dichloro-2-butene
Concen: 66.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

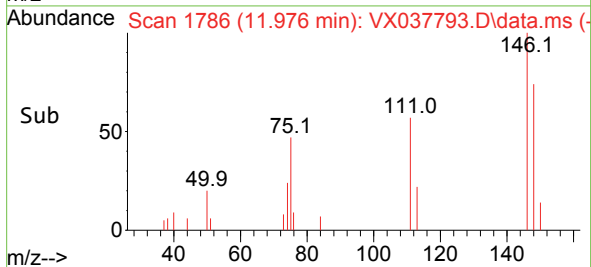
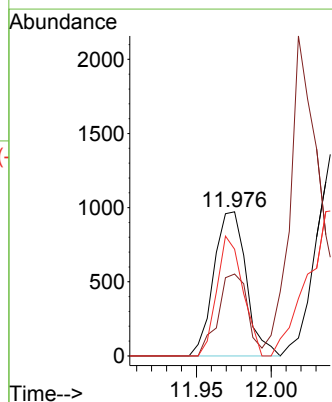
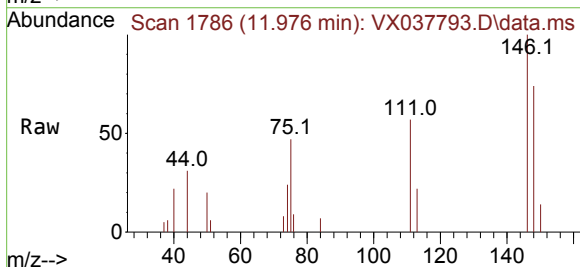
Instrument :
MSVOA_X
ClientSampleId :

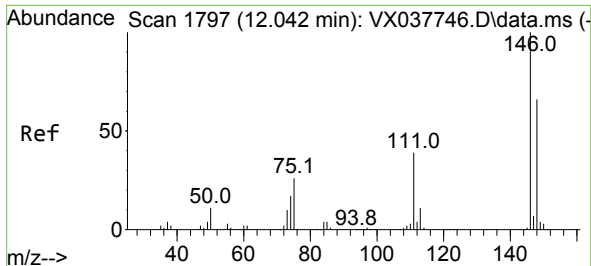
Tgt Ion: 75 Resp: 90650
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.229 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

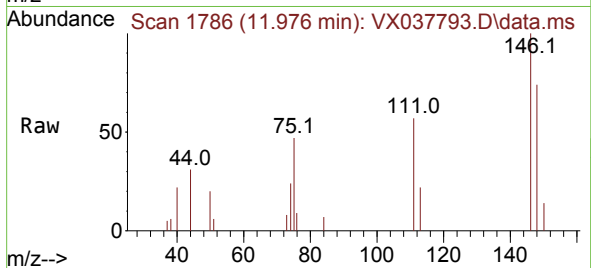
Tgt Ion:146 Resp: 1465
Ion Ratio Lower Upper
146 100
111 51.8 22.1 66.1
148 66.9 31.8 95.3



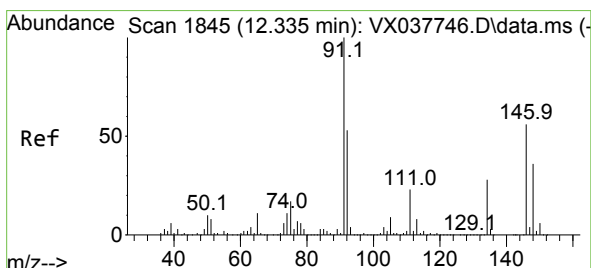
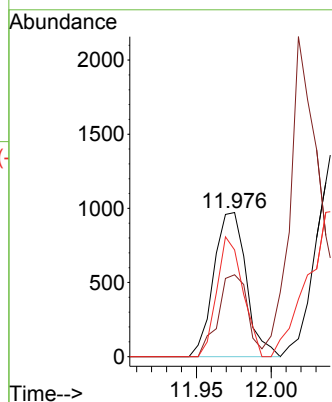
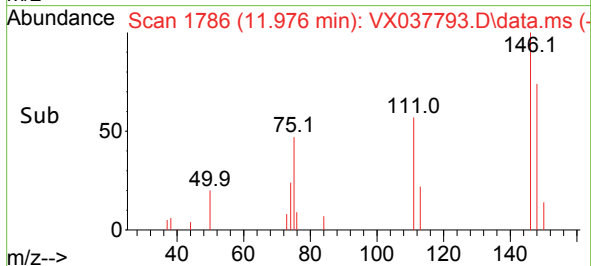


#88
1,4-Dichlorobenzene
Concen: 0.224 ug/l
RT: 11.976 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12

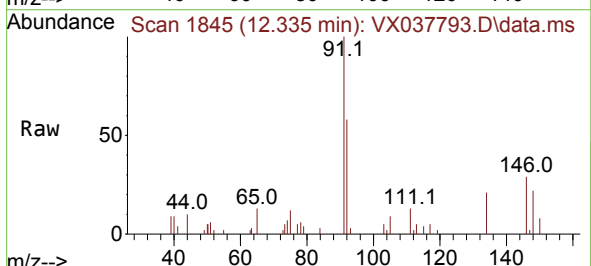
Instrument :
MSVOA_X
ClientSampleId :



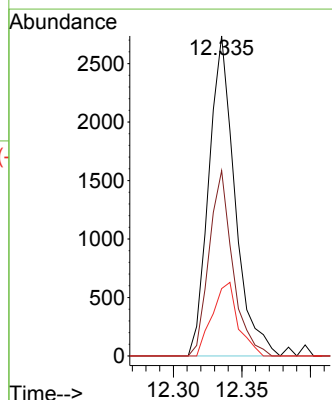
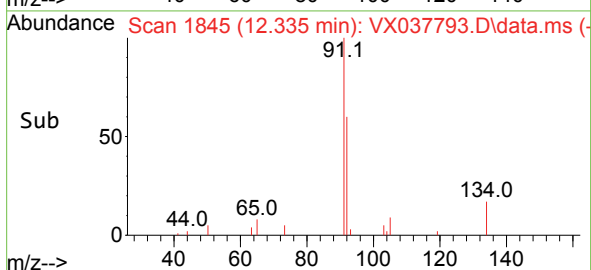
Tgt Ion:146 Resp: 1465
Ion Ratio Lower Upper
146 100
111 51.8 21.3 63.7
148 66.9 31.8 95.4

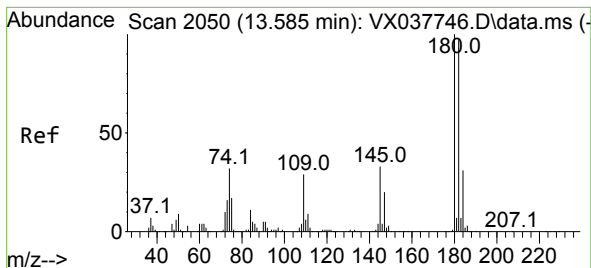


#89
n-Butylbenzene
Concen: 0.346 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX037793.D
Acq: 19 Sep 2023 10:12



Tgt Ion: 91 Resp: 3626
Ion Ratio Lower Upper
91 100
92 52.4 27.4 82.0
134 22.6 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.606 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX037793.D

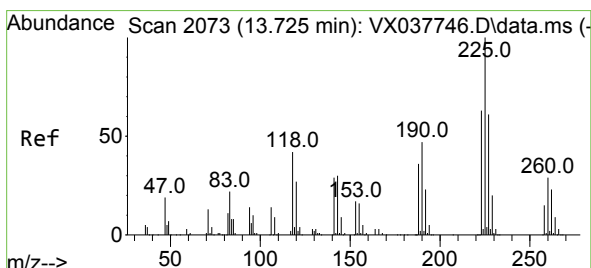
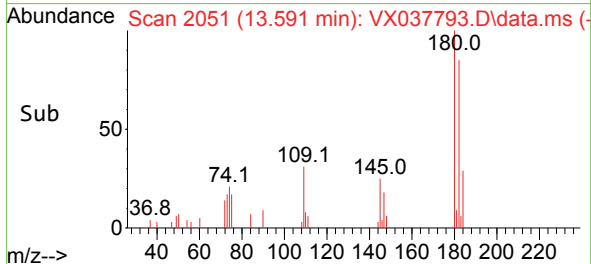
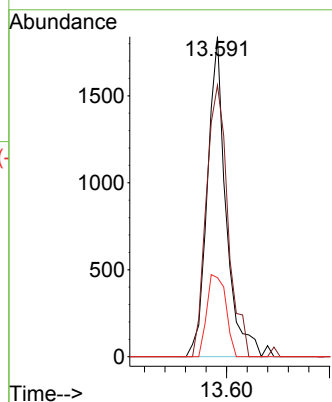
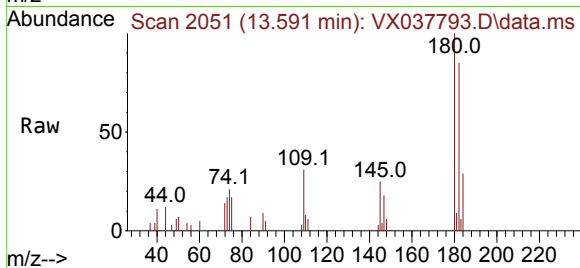
Acq: 19 Sep 2023 10:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	2334
Ion Ratio	Lower	Upper
180	100	
182	98.0	48.3 144.8
145	25.8	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.885 ug/l

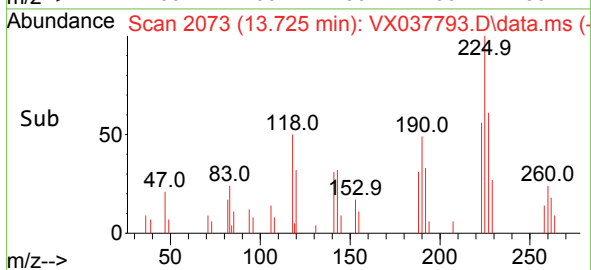
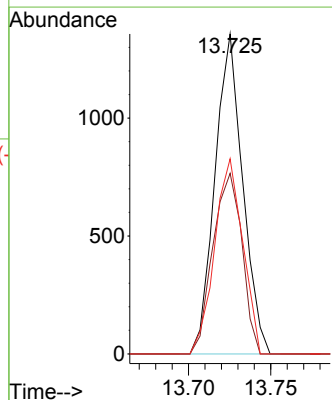
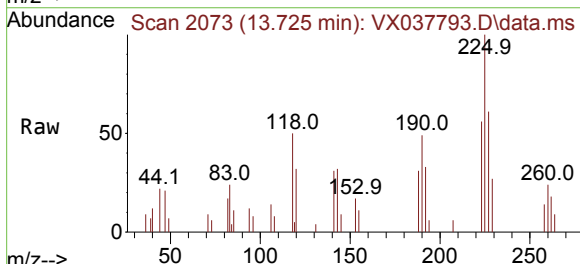
RT: 13.725 min Scan# 2073

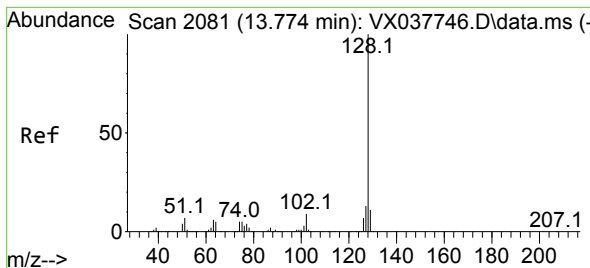
Delta R.T. 0.000 min

Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

Tgt Ion:225	Resp:	1592
Ion Ratio	Lower	Upper
225	100	
223	59.0	31.1 93.2
227	61.7	32.5 97.5





#95

Naphthalene

Concen: 0.617 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037793.D

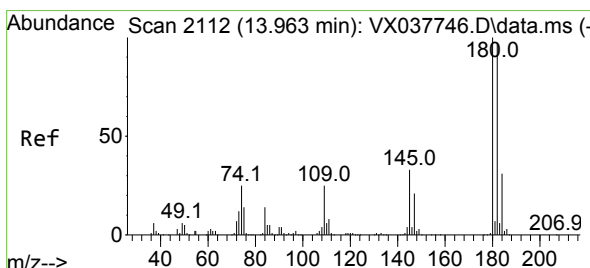
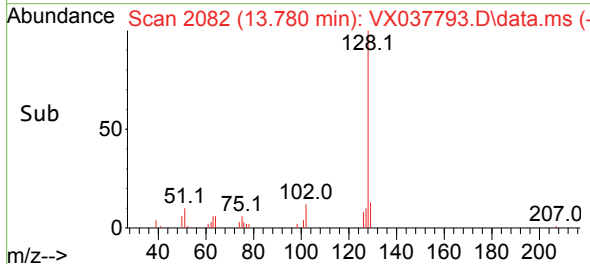
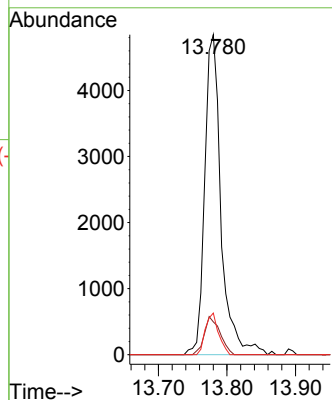
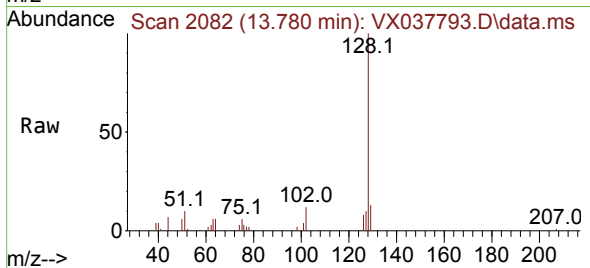
Acq: 19 Sep 2023 10:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	8039
Ion Ratio	Lower	Upper
128	100	
127	11.4	10.3 15.5
129	10.5	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.633 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037793.D

Acq: 19 Sep 2023 10:12

Tgt Ion:180	Resp:	2508
Ion Ratio	Lower	Upper
180	100	
182	102.6	46.9 140.6
145	32.8	17.8 53.5

