

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037669.D
 Acq On : 12 Sep 2023 15:24
 Operator : JC/MD
 Sample : 04373-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 01:45:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

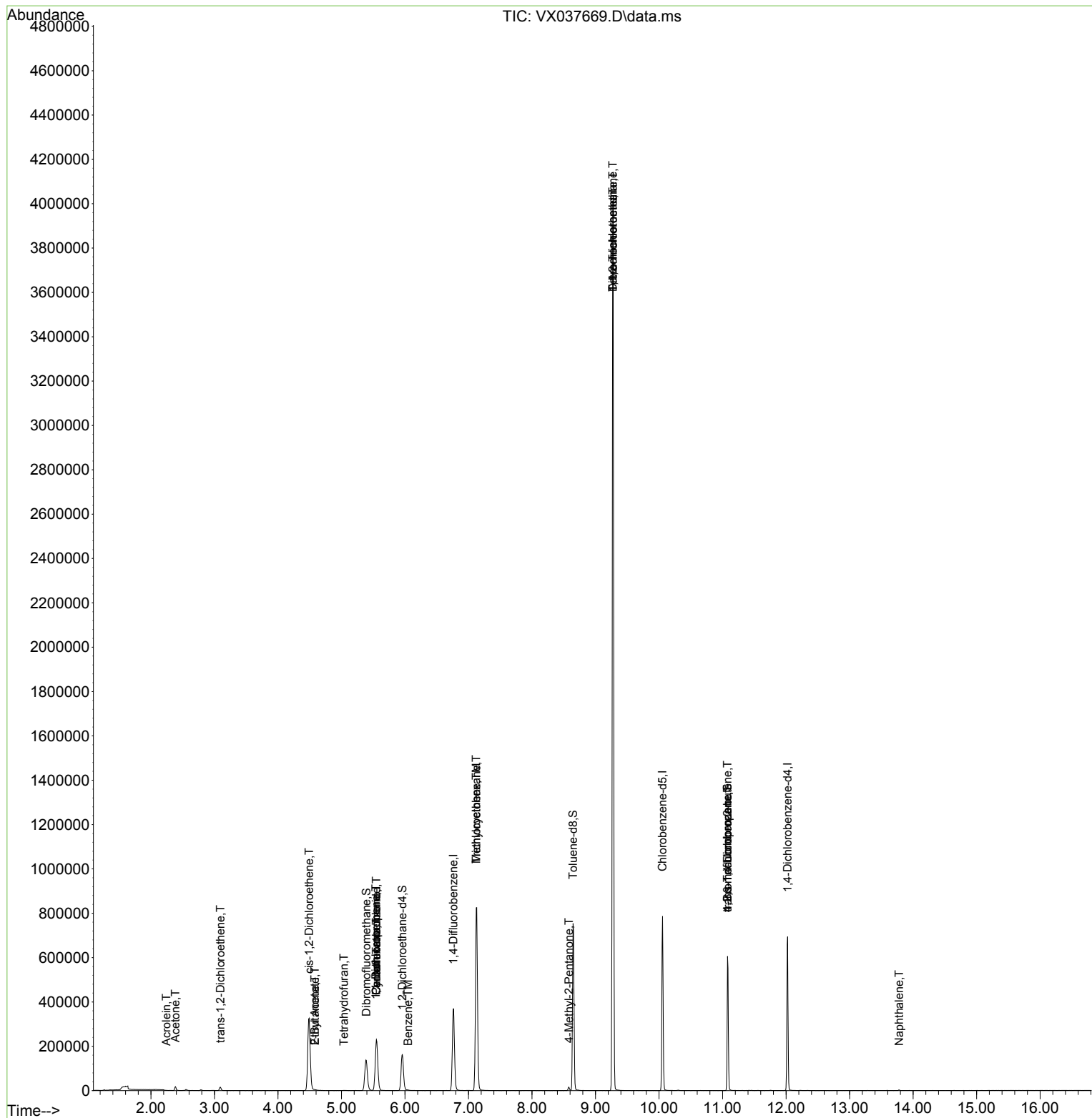
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	210624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	375968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	348424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158489	46.508	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.020%
35) Dibromofluoromethane	5.391	113	122070	45.807	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.620%
50) Toluene-d8	8.647	98	462839	46.051	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.100%
62) 4-Bromofluorobenzene	11.079	95	154402	42.582	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	1071	Below Cal	#	84
13) Acrolein	2.239	56	122	0.219	ug/l #	14
16) Acetone	2.386	43	17593	12.770	ug/l #	88
20) Methylene Chloride	2.788	84	1617	Below Cal	#	84
21) trans-1,2-Dichloroethene	3.093	96	6345	2.545	ug/l	90
25) 2-Butanone	4.580	43	7053	3.140	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	207919	68.390	ug/l	84
29) Tetrahydrofuran	5.038	42	641	0.448	ug/l #	53
31) Cyclohexane	5.550	56	5176	1.319	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	17787	4.906	ug/l #	51
37) Ethyl Acetate	4.580	43	7053	1.700	ug/l #	69
38) Carbon Tetrachloride	5.550	117	22762	6.146	ug/l #	16
39) Methylcyclohexane	7.123	83	4082	0.952	ug/l #	1
40) Benzene	6.050	78	2463	0.224	ug/l	99
44) Trichloroethene	7.123	130	310884	113.219	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	9208	2.119	ug/l	98
55) 1,1,2-Trichloroethane	9.275	97	7004	2.354	ug/l #	9
60) Dibromochloromethane	9.275	129	699663	239.389	ug/l #	11
64) Tetrachloroethene	9.275	164	698918	309.604	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	82082	26.835	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	82082	81.571	ug/l #	5
95) Naphthalene	13.780	128	2348	0.230	ug/l	98

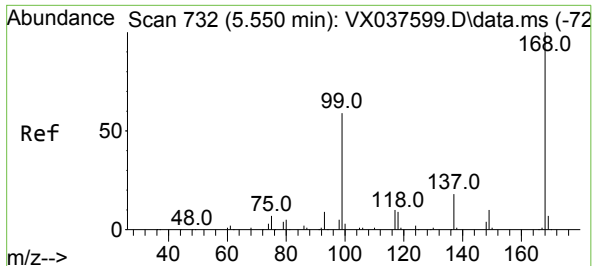
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 04373-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

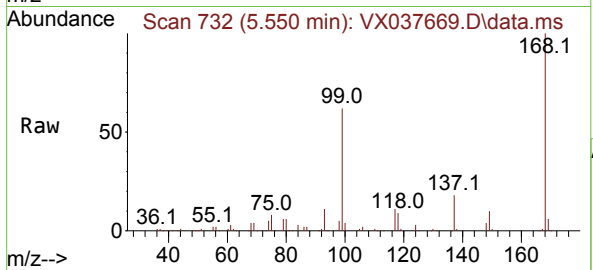
Quant Time: Sep 13 01:45:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



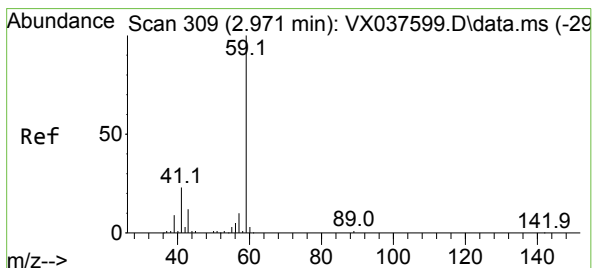
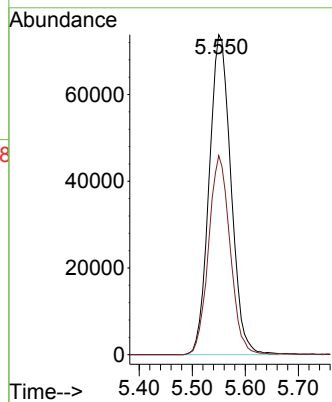
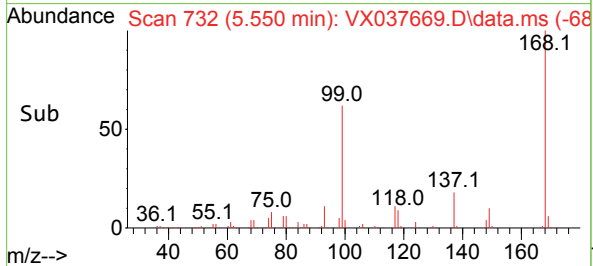


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

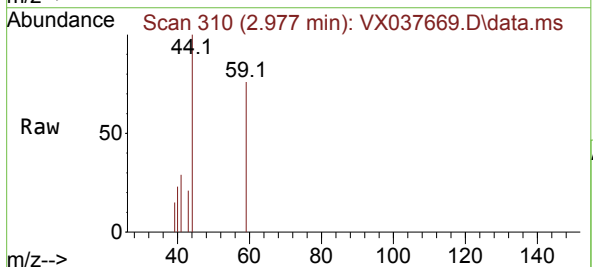
Instrument :
MSVOA_X
ClientSampleId :



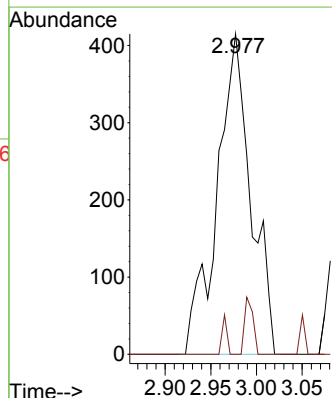
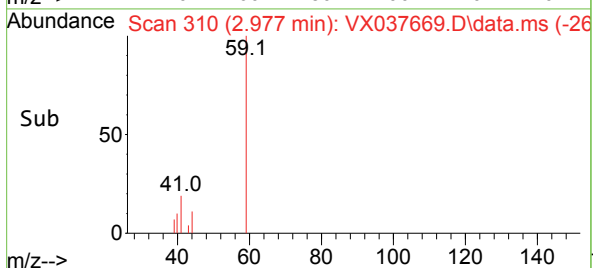
Tgt Ion:168 Resp: 210624
Ion Ratio Lower Upper
168 100
99 62.2 56.6 85.0

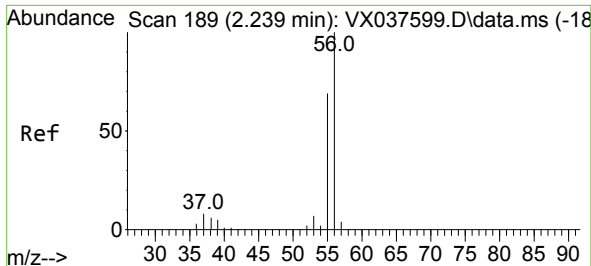


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24



Tgt Ion: 59 Resp: 1071
Ion Ratio Lower Upper
59 100
57 1.8 6.0 9.0#





#13

Acrolein

Concen: 0.219 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

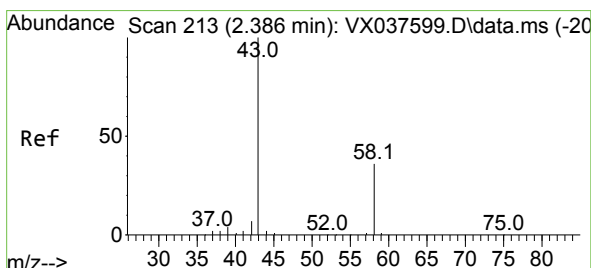
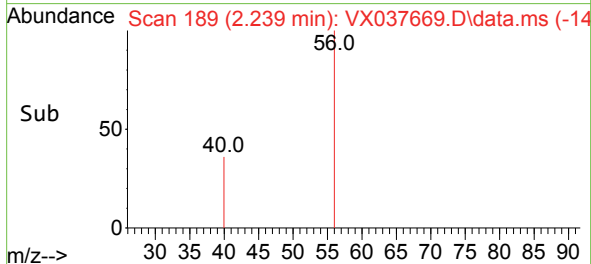
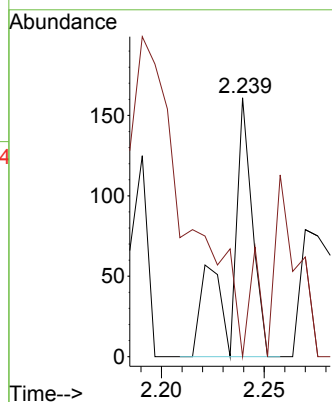
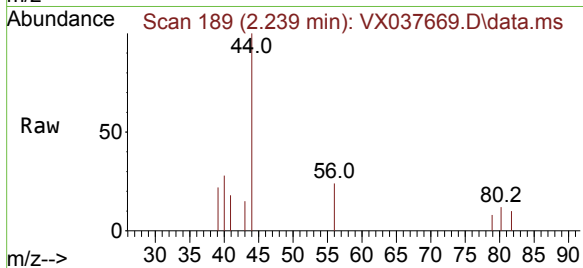
ClientSampleId :

Tgt Ion: 56 Resp: 122

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 12.770 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037669.D

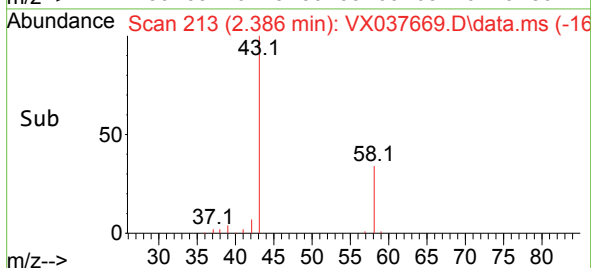
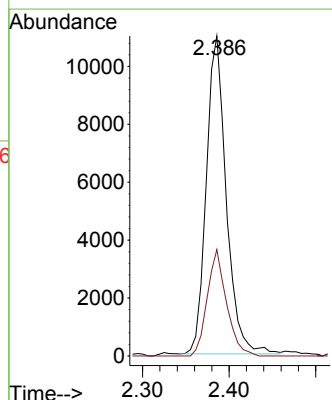
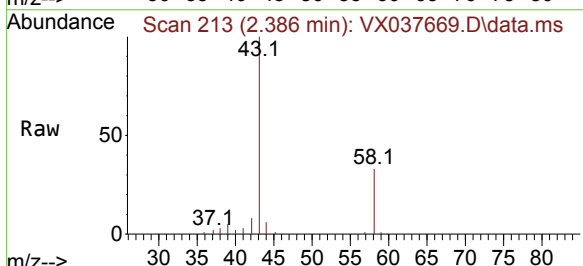
Acq: 12 Sep 2023 15:24

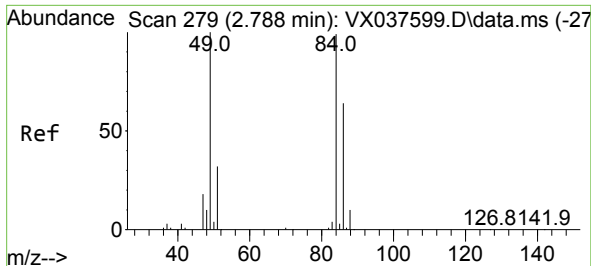
Tgt Ion: 43 Resp: 17593

Ion Ratio Lower Upper

43 100

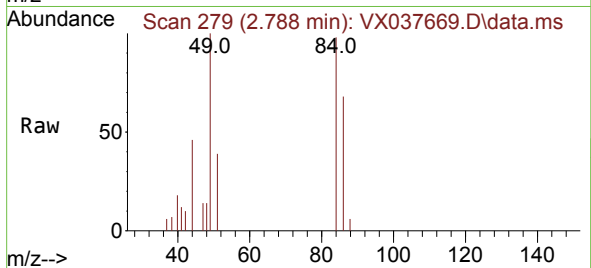
58 33.5 21.9 32.9#



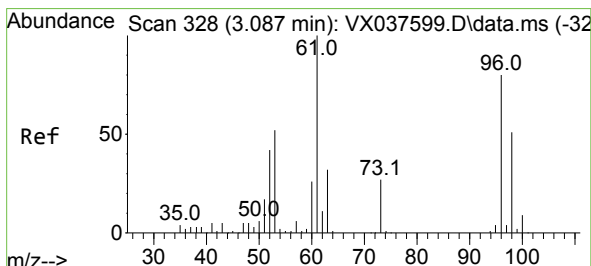
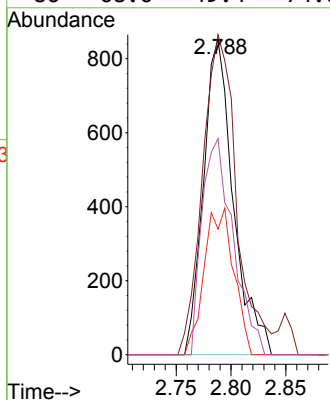
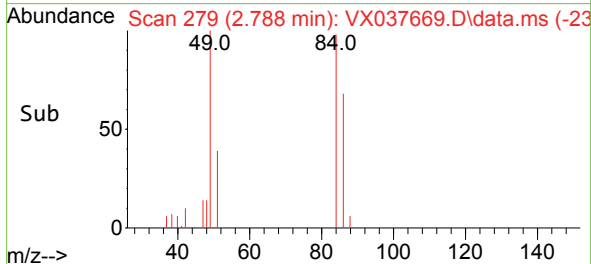


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

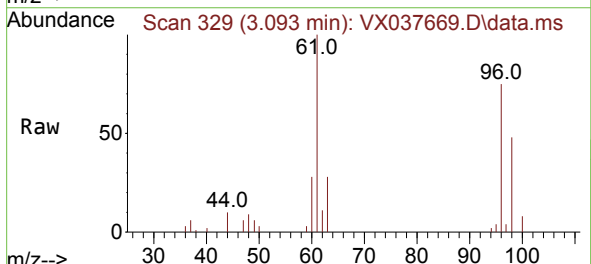
Instrument :
MSVOA_X
ClientSampleId :



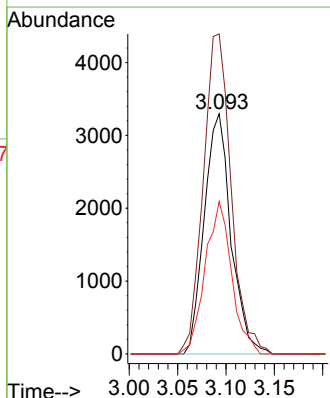
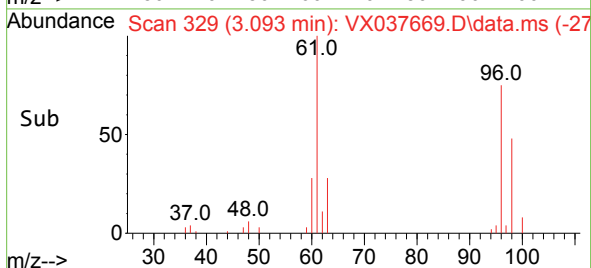
Tgt Ion: 84 Resp: 1617
Ion Ratio Lower Upper
84 100
49 101.6 103.6 155.4#
51 39.8 33.8 50.6
86 68.6 49.4 74.0

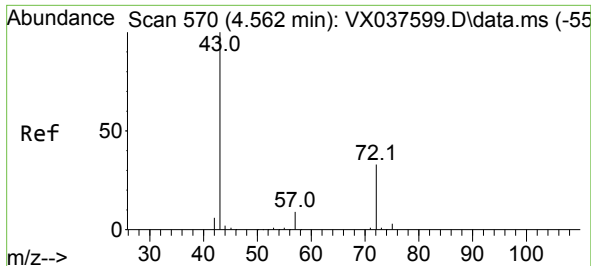


#21
trans-1,2-Dichloroethene
Concen: 2.545 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24



Tgt Ion: 96 Resp: 6345
Ion Ratio Lower Upper
96 100
61 133.3 119.2 178.8
98 63.5 48.7 73.1

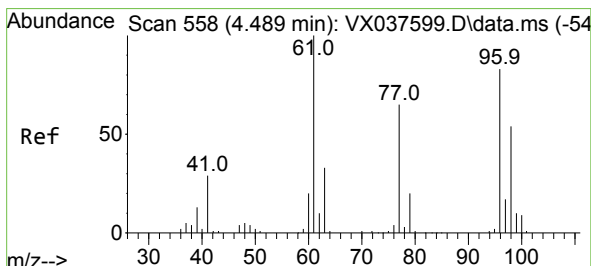
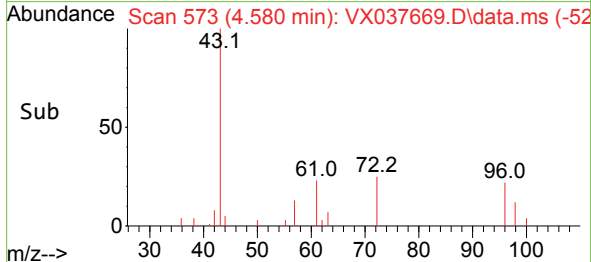
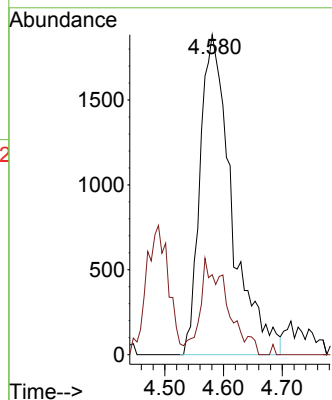
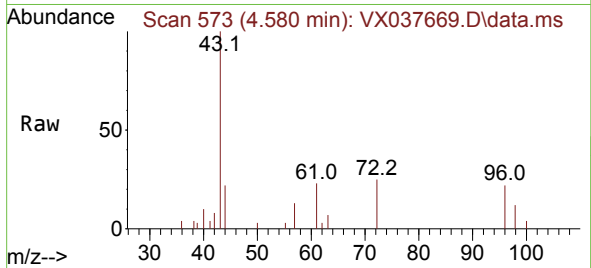




#25
2-Butanone
Concen: 3.140 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

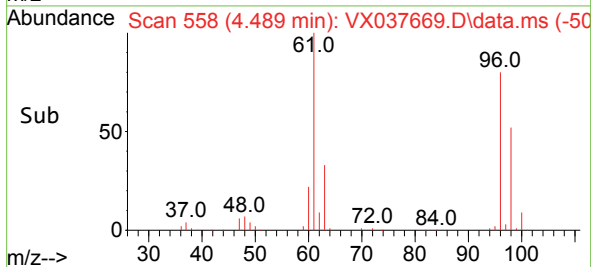
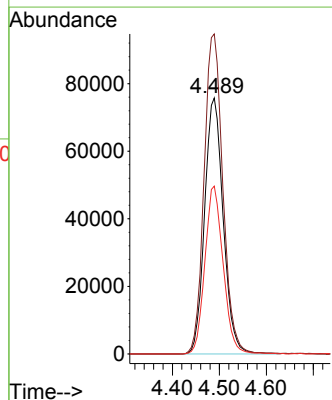
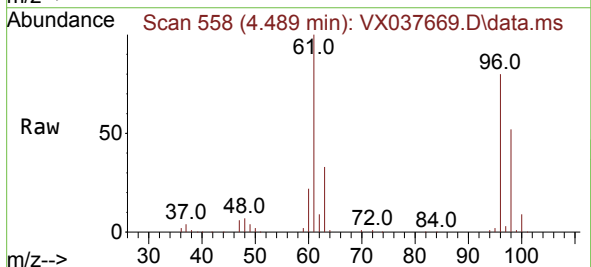
Instrument :
MSVOA_X
ClientSampleId :

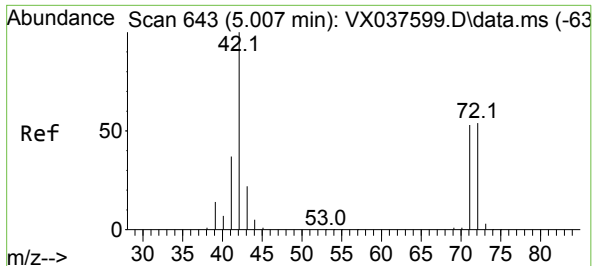
Tgt Ion: 43 Resp: 7053
Ion Ratio Lower Upper
43 100
72 25.0 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 68.390 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Tgt Ion: 96 Resp: 207919
Ion Ratio Lower Upper
96 100
61 126.4 0.0 312.2
98 64.1 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.448 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.030 min

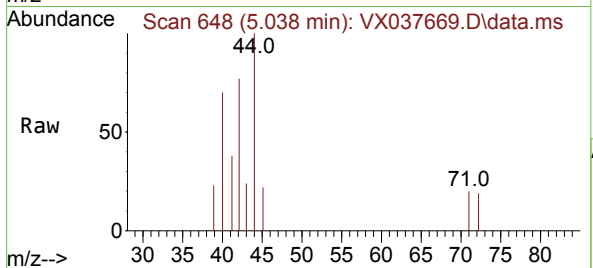
Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

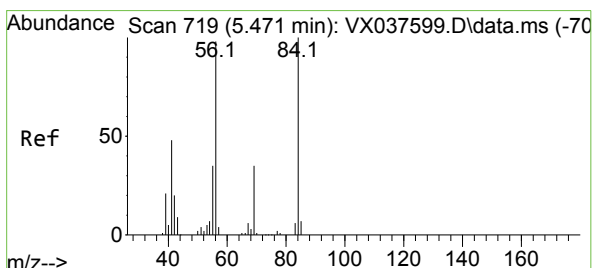
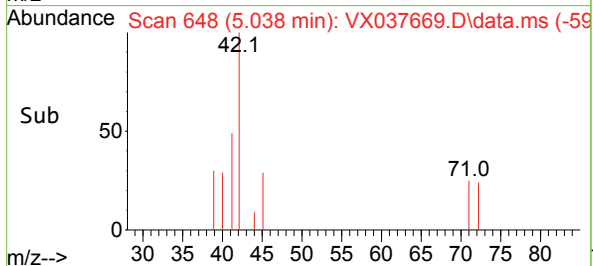
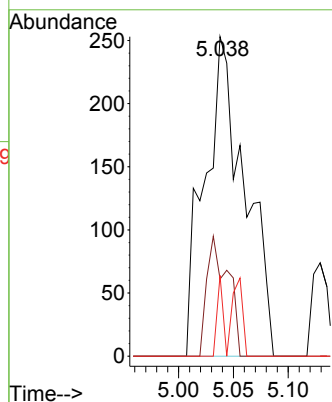
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	641
Ion Ratio	Lower	Upper	
42	100		
72	19.8	34.2	51.4#
71	3.6	32.2	48.2#



#31

Cyclohexane

Concen: 1.319 ug/l

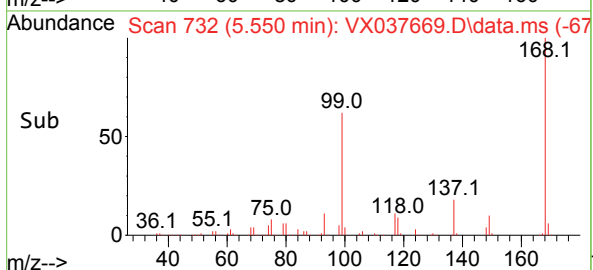
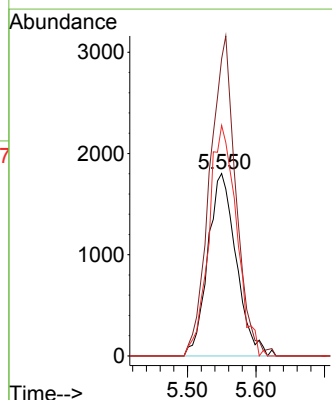
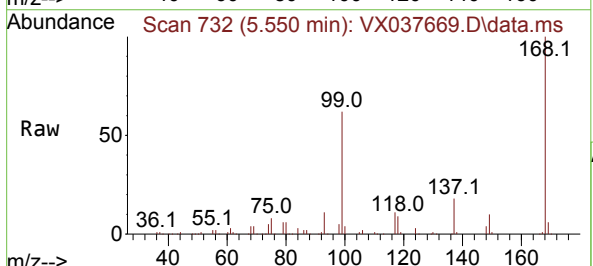
RT: 5.550 min Scan# 732

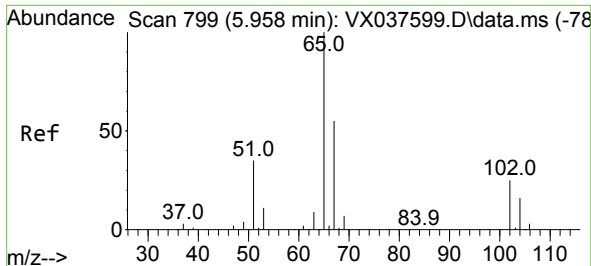
Delta R.T. 0.079 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Tgt Ion:	56	Resp:	5176
Ion Ratio	Lower	Upper	
56	100		
69	163.1	23.4	35.2#
84	126.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.508 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

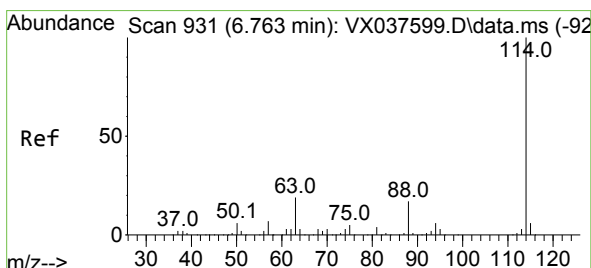
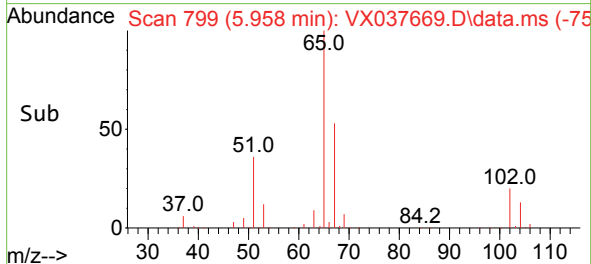
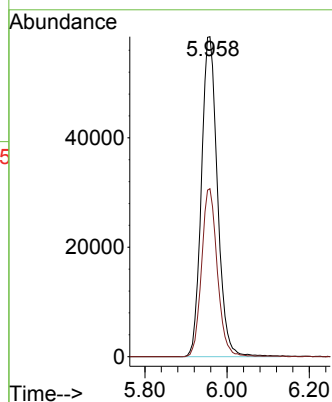
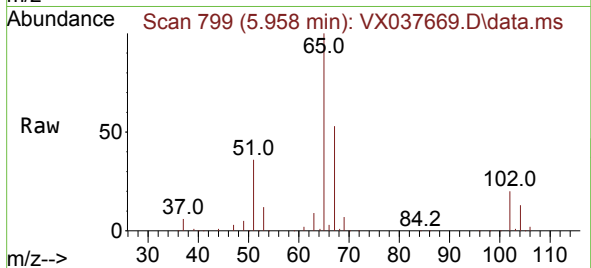
ClientSampleId :

Tgt Ion: 65 Resp: 158489

Ion Ratio Lower Upper

65 100

67 51.7 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: VX037669.D

Acq: 12 Sep 2023 15:24

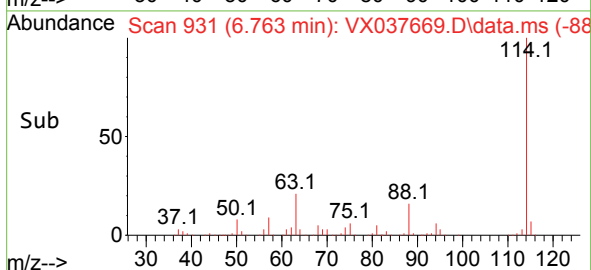
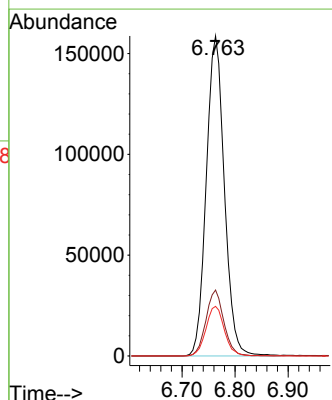
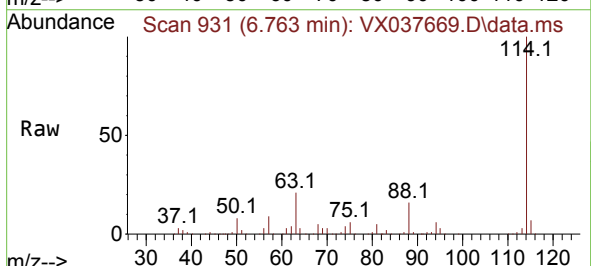
Tgt Ion: 114 Resp: 375968

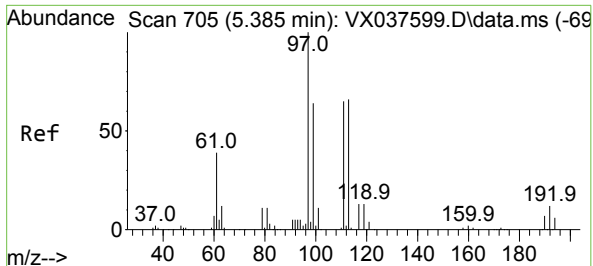
Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

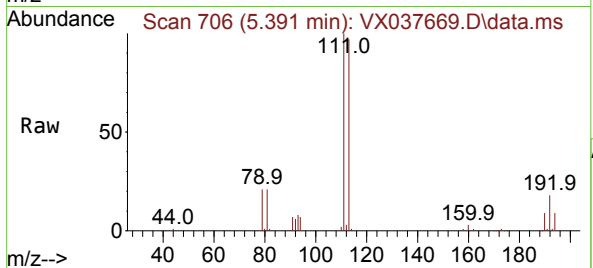
88 15.5 0.0 36.6



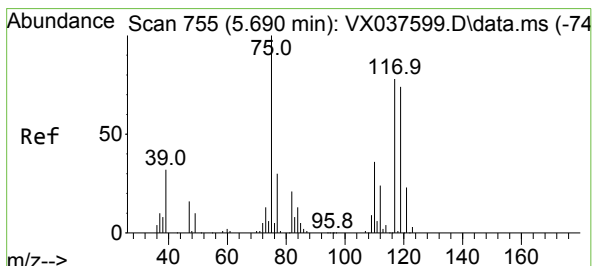
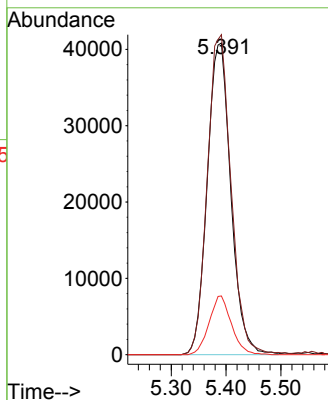
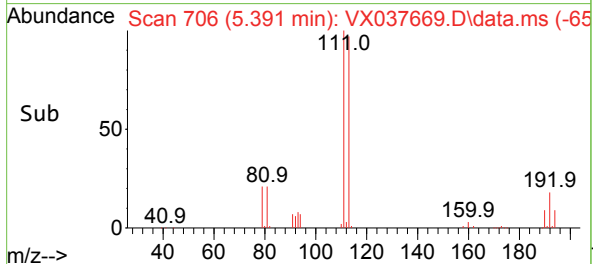


#35
Dibromofluoromethane
Concen: 45.807 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Instrument :
MSVOA_X
ClientSampleId :

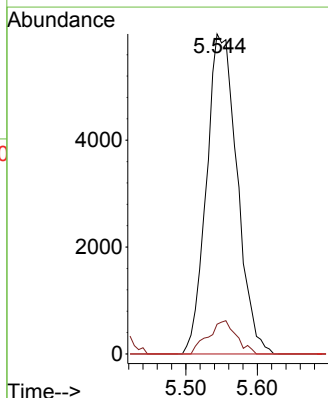
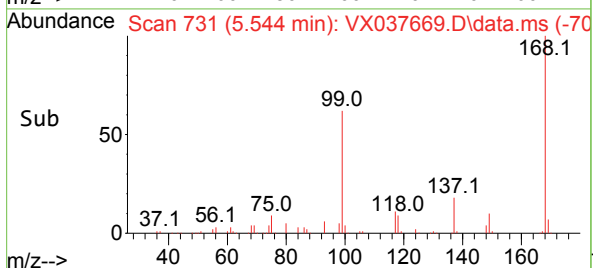
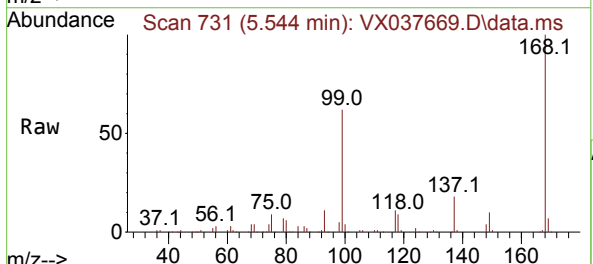


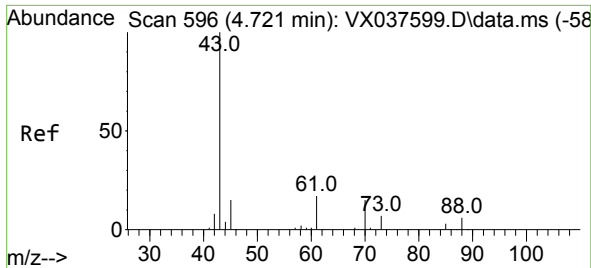
Tgt Ion:113 Resp: 122070
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Tgt Ion: 75 Resp: 17787
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.700 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.140 min

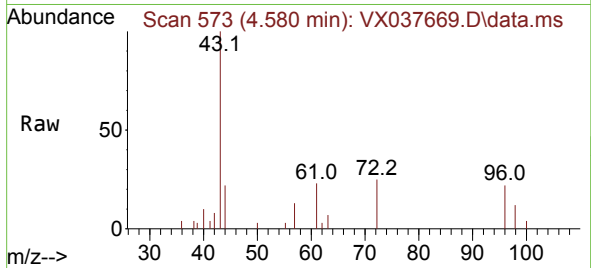
Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :



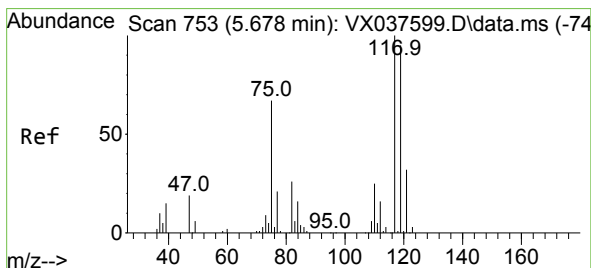
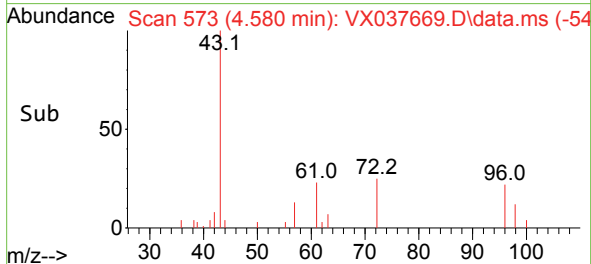
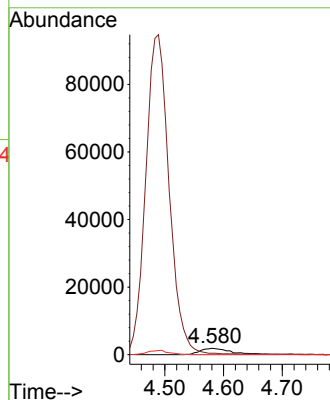
Tgt Ion: 43 Resp: 7053

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.146 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

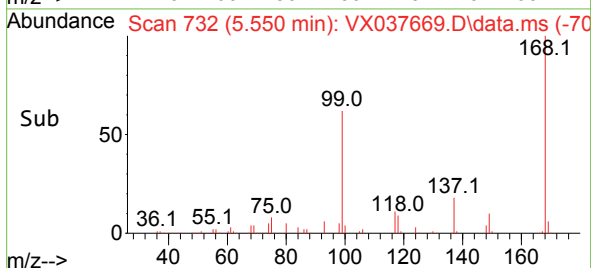
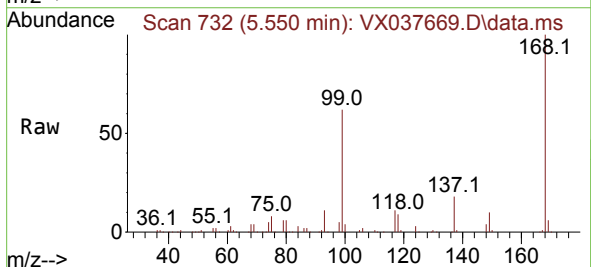
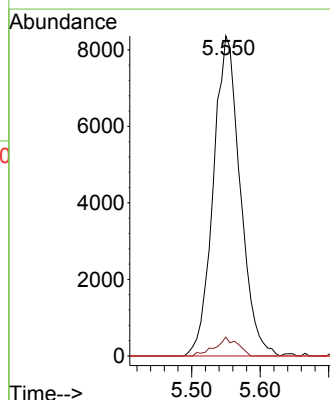
Tgt Ion: 117 Resp: 22762

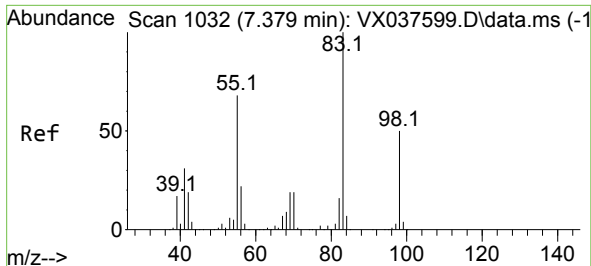
Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.2#

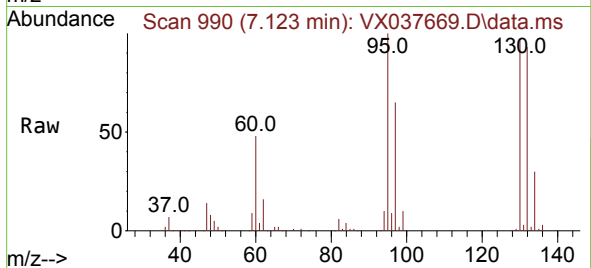
121 0.0 24.4 36.6#



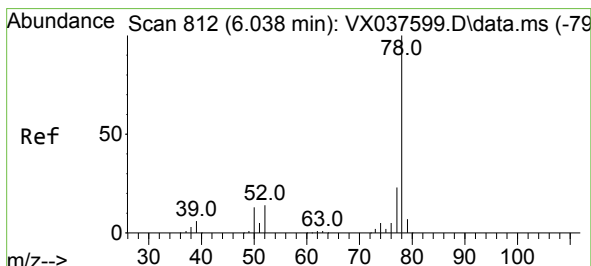
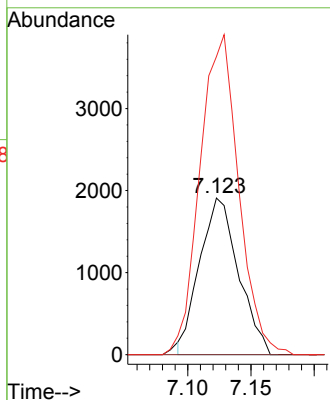
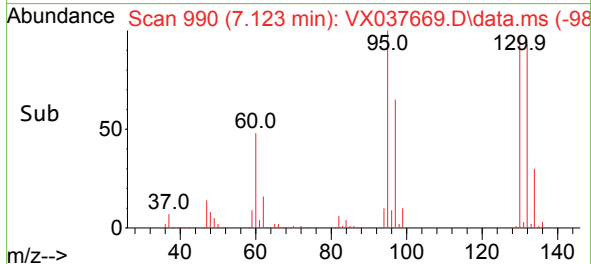


#39
Methylcyclohexane
Concen: 0.952 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Instrument :
MSVOA_X
ClientSampleId :

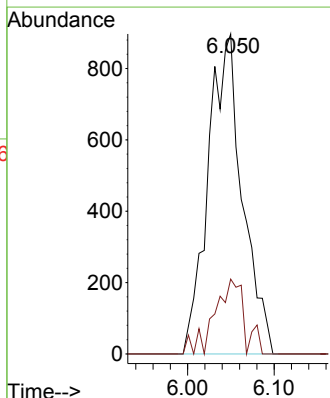
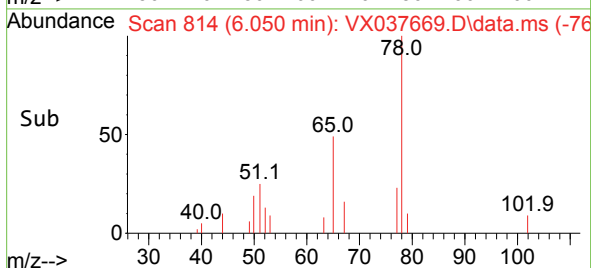
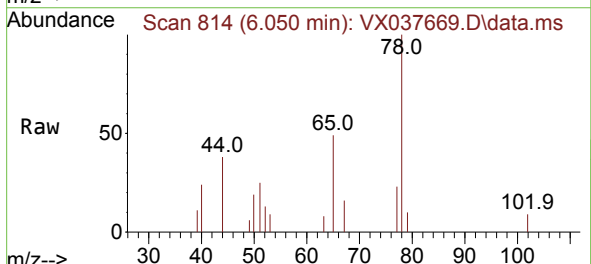


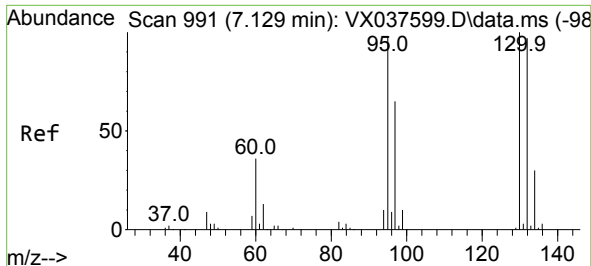
Tgt Ion: 83 Resp: 4082
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 186.5 36.7 55.1#



#40
Benzene
Concen: 0.224 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Tgt Ion: 78 Resp: 2463
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9

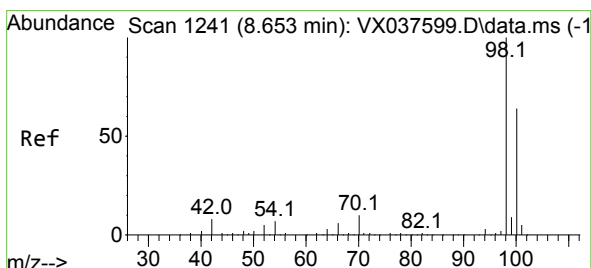
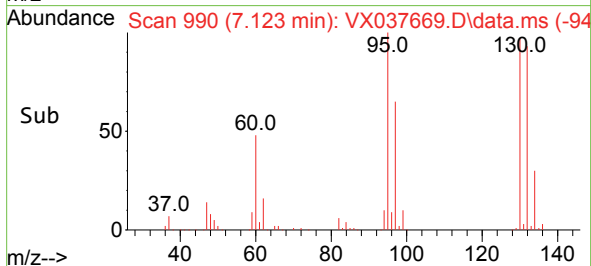
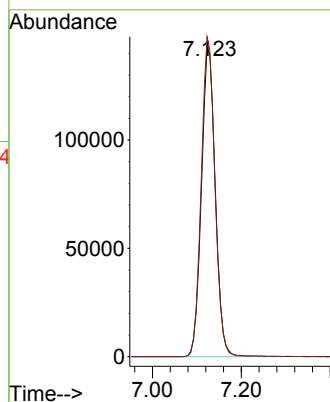
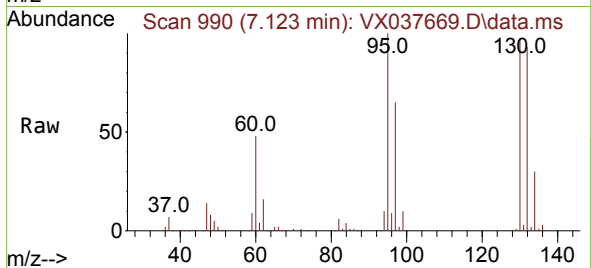




#44
Trichloroethene
Concen: 113.219 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

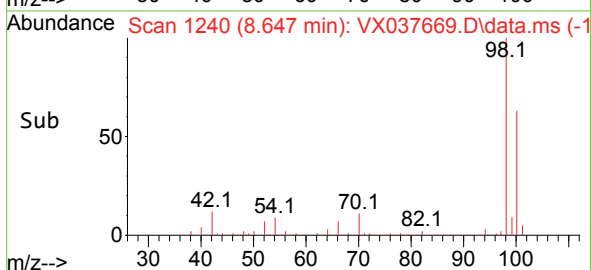
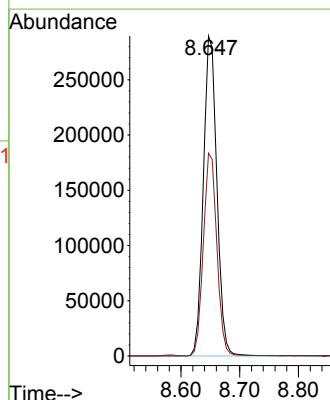
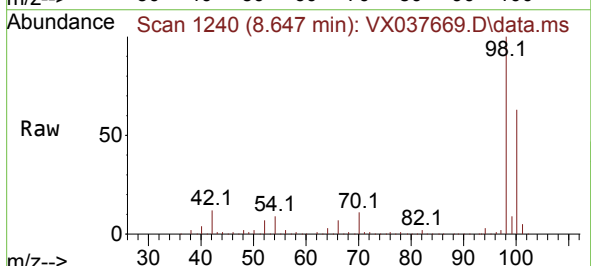
Instrument :
MSVOA_X
ClientSampleId :

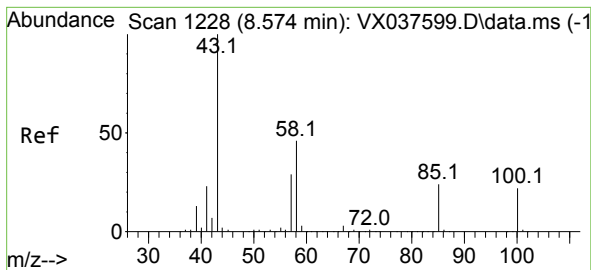
Tgt Ion:130 Resp: 310884
Ion Ratio Lower Upper
130 100
95 103.5 0.0 204.4



#50
Toluene-d8
Concen: 46.051 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Tgt Ion: 98 Resp: 462839
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7

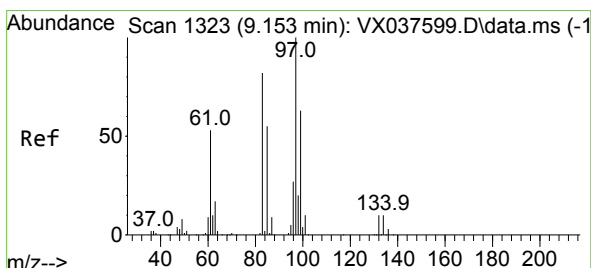
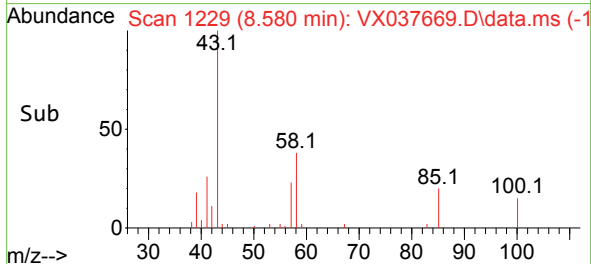
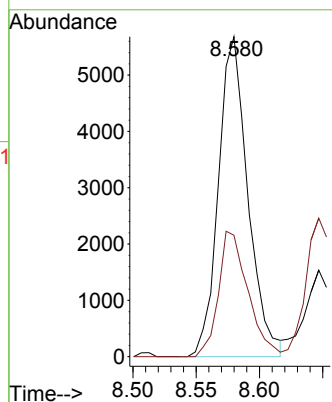
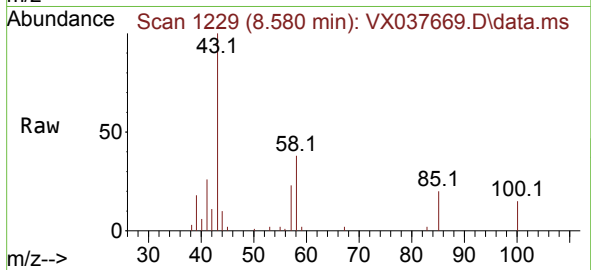




#51
4-Methyl-2-Pentanone
Concen: 2.119 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

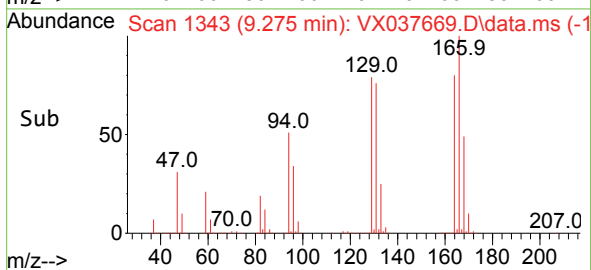
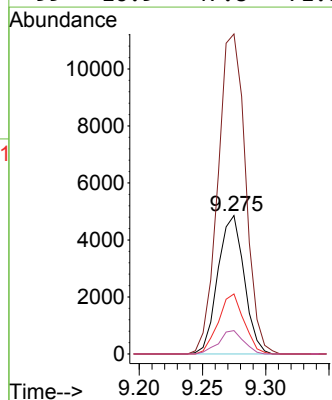
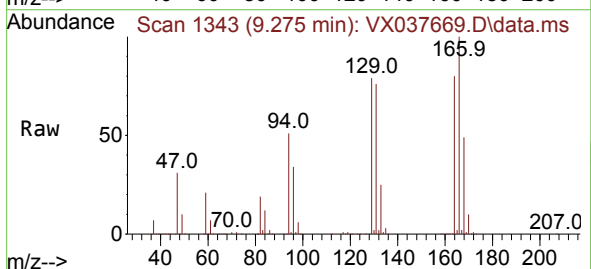
Instrument :
MSVOA_X
ClientSampleId :

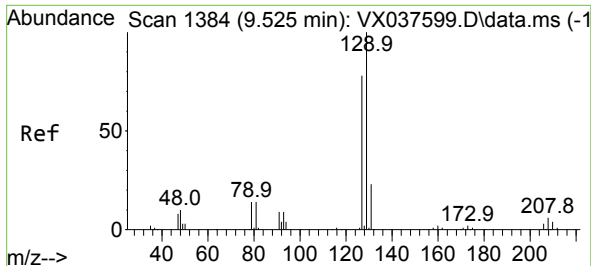
Tgt Ion: 43 Resp: 9208
Ion Ratio Lower Upper
43 100
58 39.1 30.4 45.6



#55
1,1,2-Trichloroethane
Concen: 2.354 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Tgt Ion: 97 Resp: 7004
Ion Ratio Lower Upper
97 100
83 231.2 65.8 98.8#
85 43.3 41.6 62.4
99 16.9 47.8 71.8#

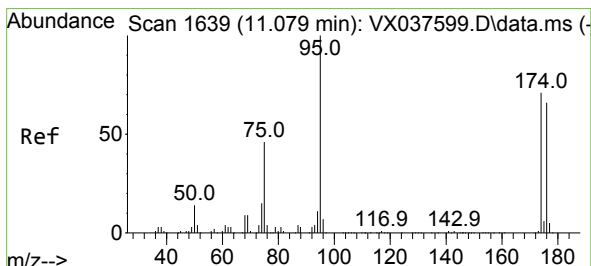
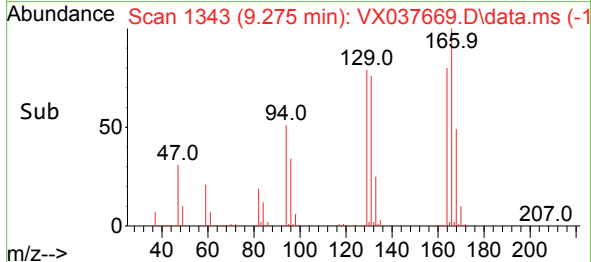
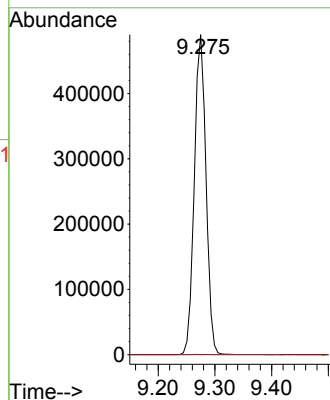
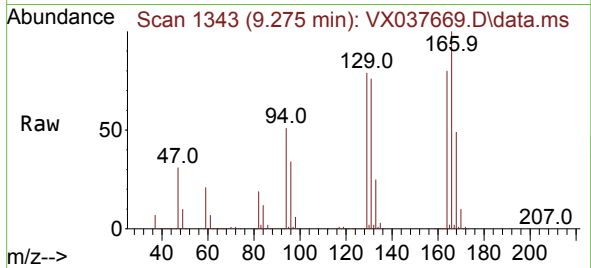




#60
Dibromochloromethane
Concen: 239.389 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

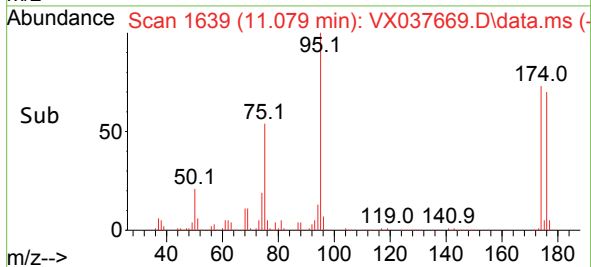
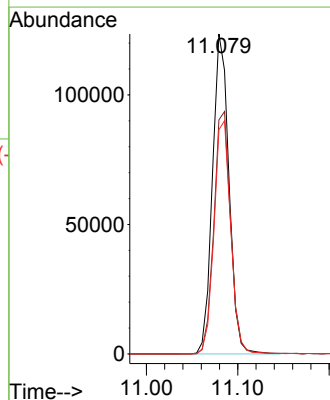
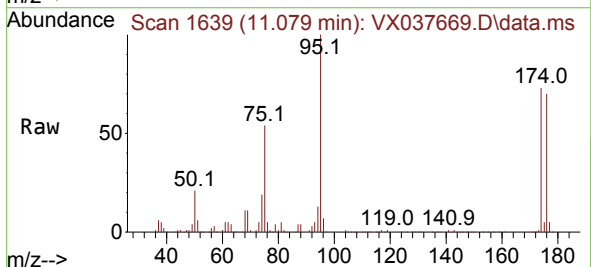
Instrument :
MSVOA_X
ClientSampleId :

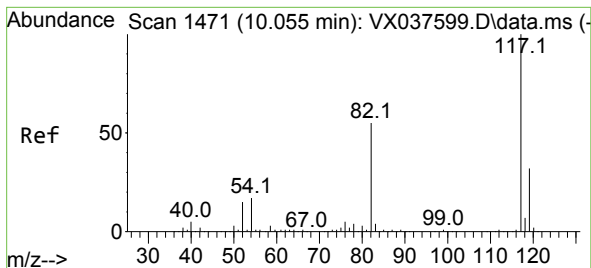
Tgt Ion:129 Resp: 699663
Ion Ratio Lower Upper
129 100
127 0.1 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 42.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

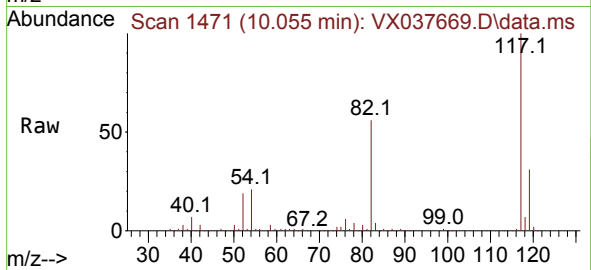
Tgt Ion: 95 Resp: 154402
Ion Ratio Lower Upper
95 100
174 77.6 0.0 135.6
176 74.0 0.0 131.0



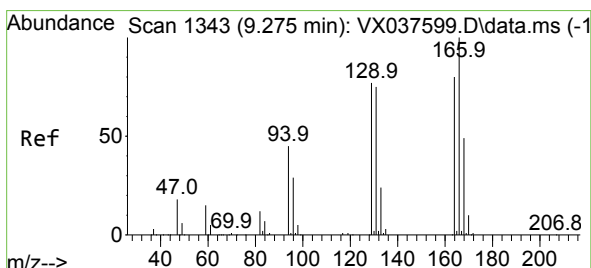
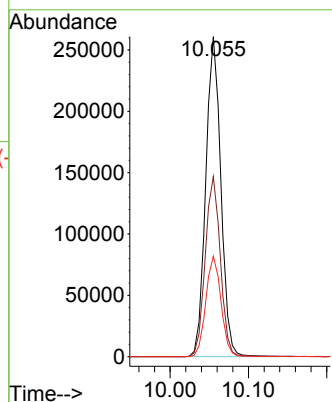
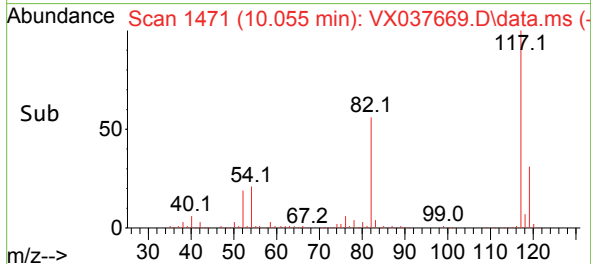


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

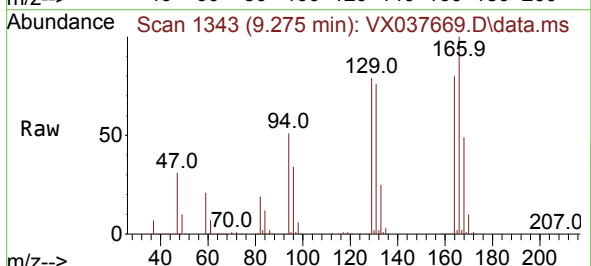
Instrument :
MSVOA_X
ClientSampleId :



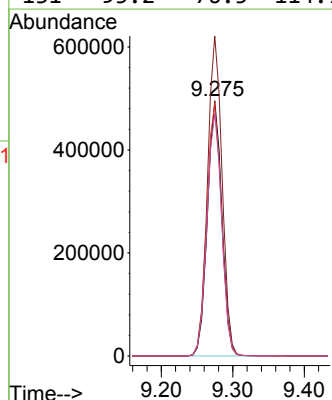
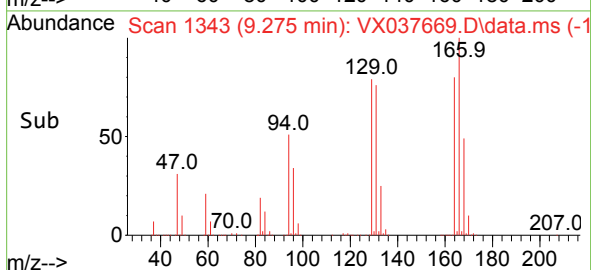
Tgt Ion:117 Resp: 348424
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 31.4 25.5 38.3

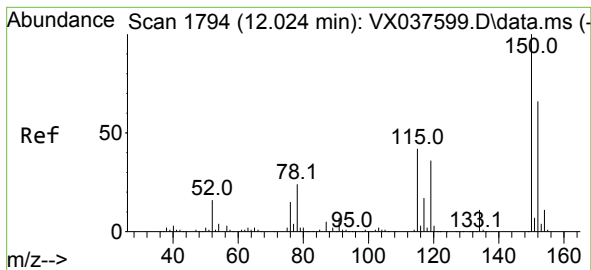


#64
Tetrachloroethene
Concen: 309.604 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24



Tgt Ion:164 Resp: 698918
Ion Ratio Lower Upper
164 100
166 125.5 102.7 154.1
129 98.9 80.4 120.6
131 95.2 76.5 114.7

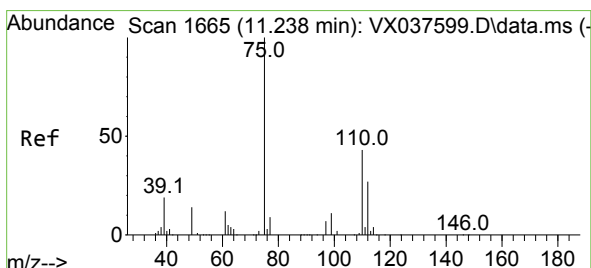
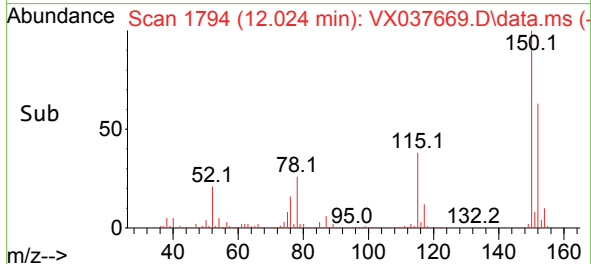
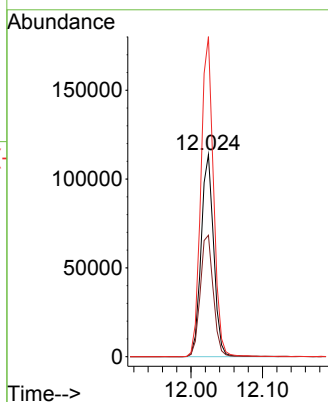
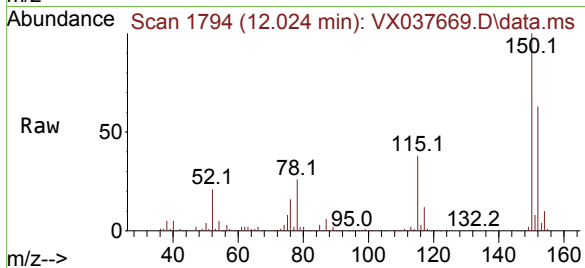




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037669.D
 Acq: 12 Sep 2023 15:24

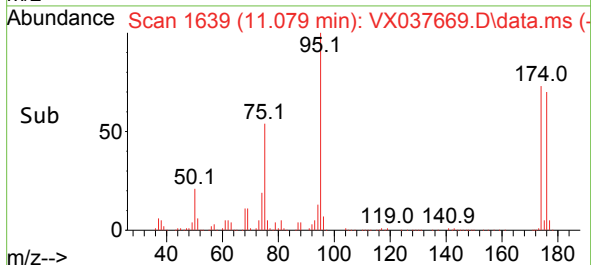
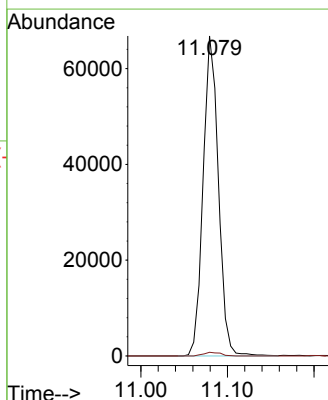
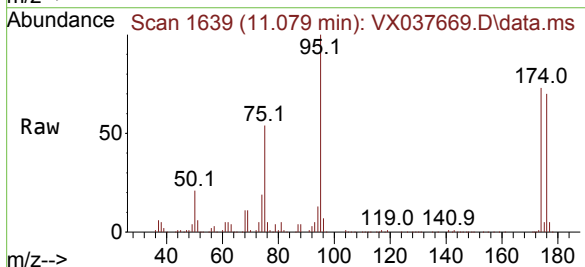
Instrument :
 MSVOA_X
 ClientSampleId :

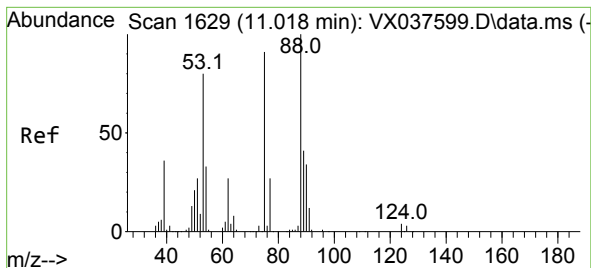
Tgt Ion:152 Resp: 139132
 Ion Ratio Lower Upper
 152 100
 115 62.4 43.3 129.9
 150 158.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.835 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037669.D
 Acq: 12 Sep 2023 15:24

Tgt Ion: 75 Resp: 82082
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

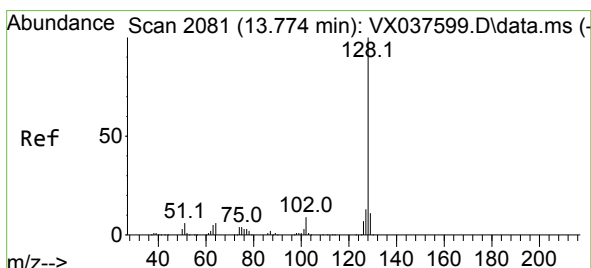
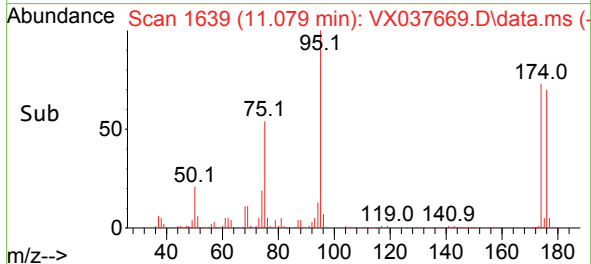
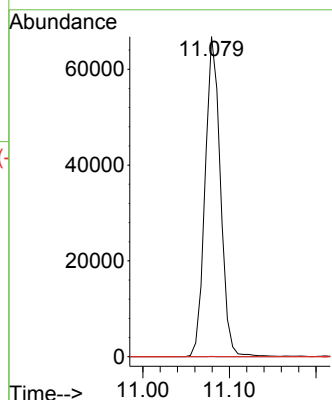
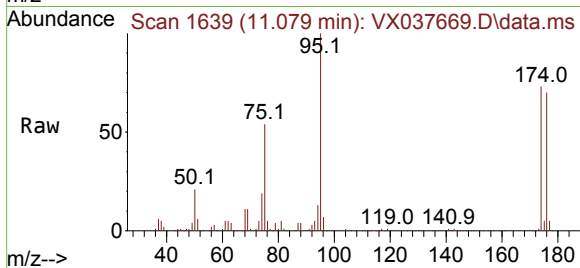




#81
trans-1,4-Dichloro-2-butene
Concen: 81.571 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 82082
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.230 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Tgt Ion:128 Resp: 2348
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 10.3 8.8 13.2

