

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037677.D
 Acq On : 12 Sep 2023 18:39
 Operator : JC/MD
 Sample : 04373-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 01:48:44 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)

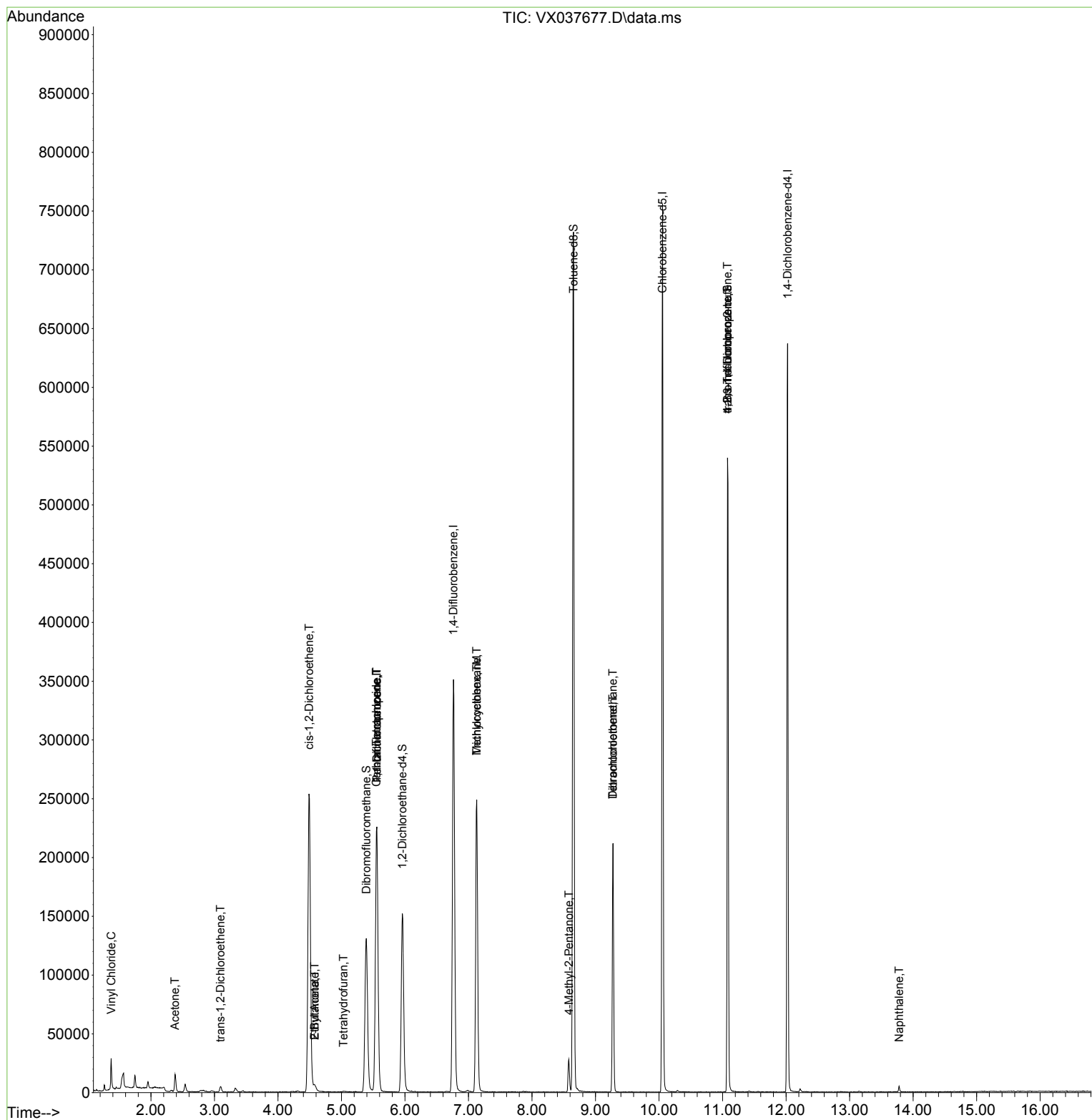
Internal Standards						
1) Pentafluorobenzene	5.556	168	209064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	360564	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144883	42.833	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.660%
35) Dibromofluoromethane	5.391	113	113956	44.589	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.180%
50) Toluene-d8	8.653	98	444334	46.099	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.200%
62) 4-Bromofluorobenzene	11.079	95	142674	41.029	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.060%#
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	13898	4.731	ug/l	97
11) Tert butyl alcohol	2.965	59	1437	Below Cal	#	78
16) Acetone	2.379	43	14862	10.868	ug/l #	88
20) Methylene Chloride	2.794	84	339	Below Cal	#	67
21) trans-1,2-Dichloroethene	3.093	96	1507	0.609	ug/l	87
25) 2-Butanone	4.574	43	9654	4.330	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	161628	53.560	ug/l	84
29) Tetrahydrofuran	5.031	42	692	0.487	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	17415	5.009	ug/l #	50
37) Ethyl Acetate	4.574	43	9654	2.427	ug/l #	69
38) Carbon Tetrachloride	5.550	117	22196	6.249	ug/l #	16
39) Methylcyclohexane	7.129	83	1234	0.300	ug/l #	1
44) Trichloroethene	7.129	130	92045	34.953	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	16858	4.045	ug/l	95
60) Dibromochloromethane	9.275	129	36538	13.036	ug/l #	11
64) Tetrachloroethene	9.275	164	36538	17.224	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	75568	26.500	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	75568	80.553	ug/l #	5
95) Naphthalene	13.780	128	3391	0.356	ug/l #	94

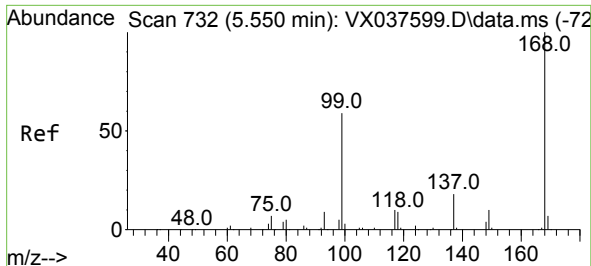
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037677.D
Acq On : 12 Sep 2023 18:39
Operator : JC/MD
Sample : 04373-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 13 01:48:44 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

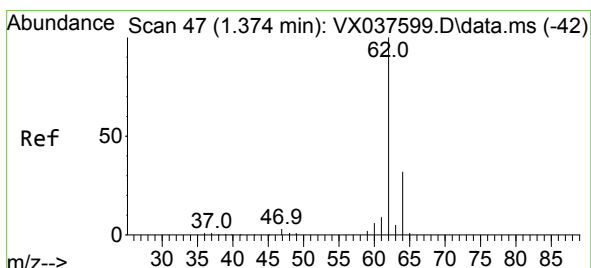
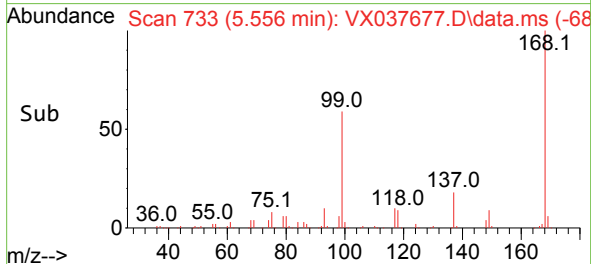
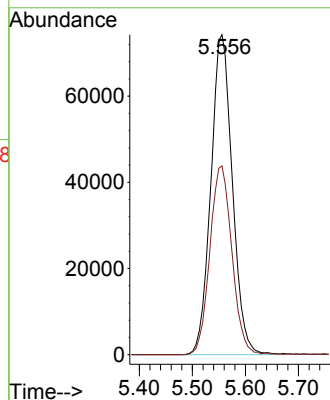
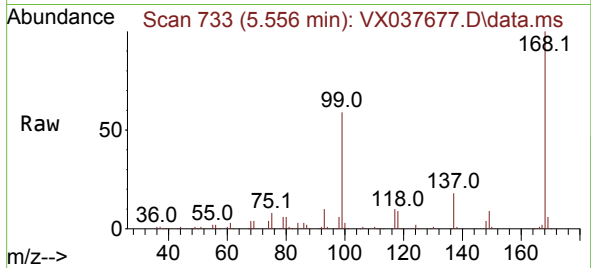




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

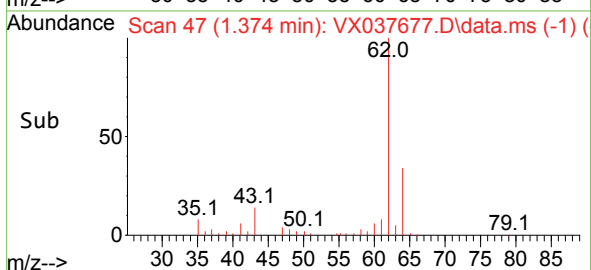
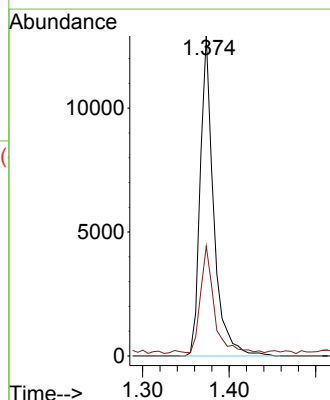
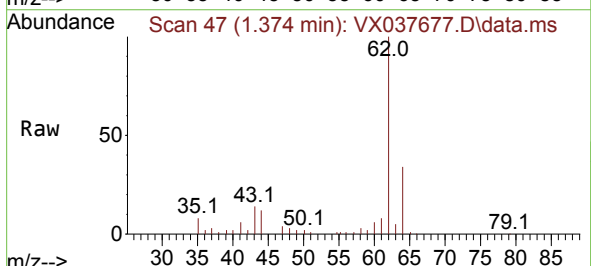
Instrument :
MSVOA_X
ClientSampleId :

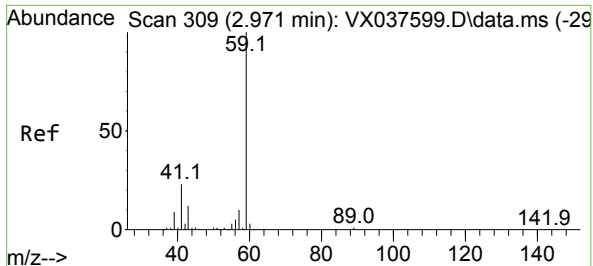
Tgt Ion:168 Resp: 209064
Ion Ratio Lower Upper
168 100
99 59.0 56.6 85.0



#4
Vinyl Chloride
Concen: 4.731 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 62 Resp: 13898
Ion Ratio Lower Upper
62 100
64 33.1 25.4 38.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.965 min Scan# 30

Delta R.T. -0.006 min

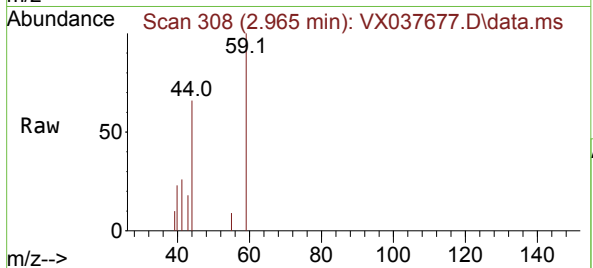
Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

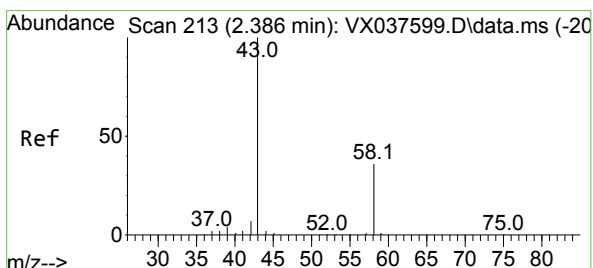
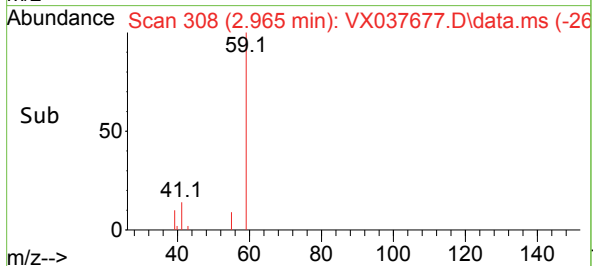
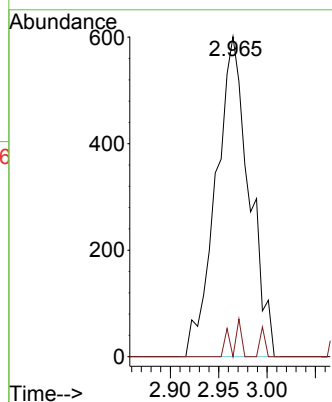


Tgt Ion: 59 Resp: 1437

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 10.868 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037677.D

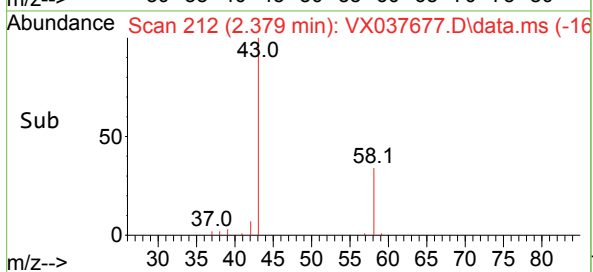
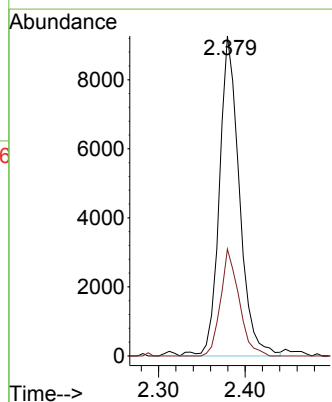
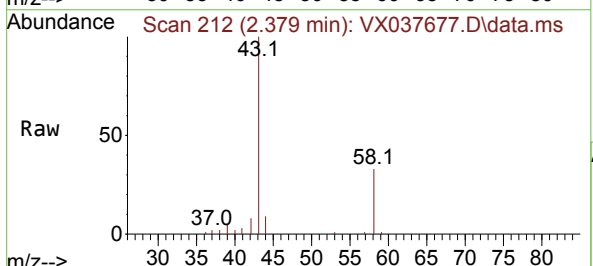
Acq: 12 Sep 2023 18:39

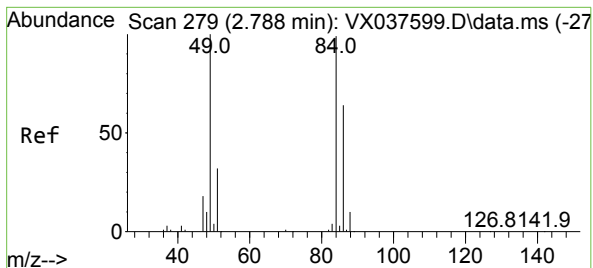
Tgt Ion: 43 Resp: 14862

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

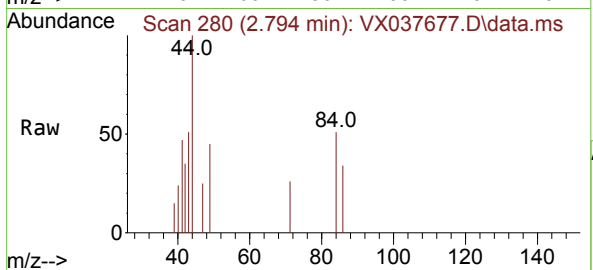
Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 339

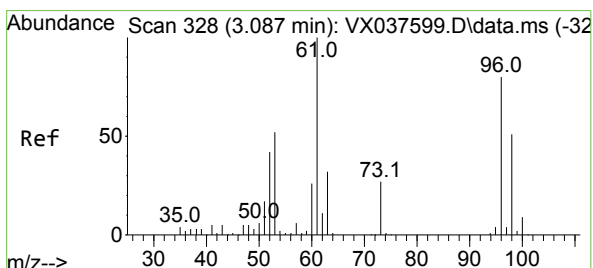
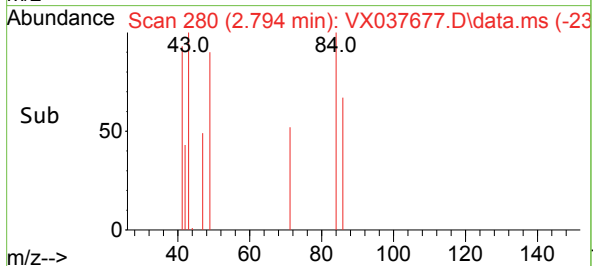
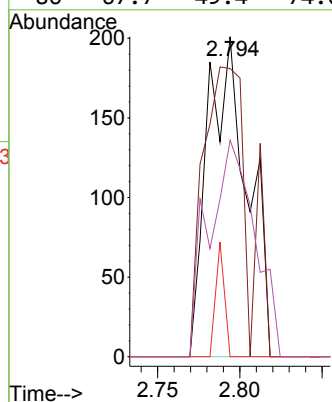
Ion Ratio Lower Upper

84 100

49 90.0 103.6 155.4#

51 0.0 33.8 50.6#

86 67.7 49.4 74.0



#21

trans-1,2-Dichloroethene

Concen: 0.609 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.006 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

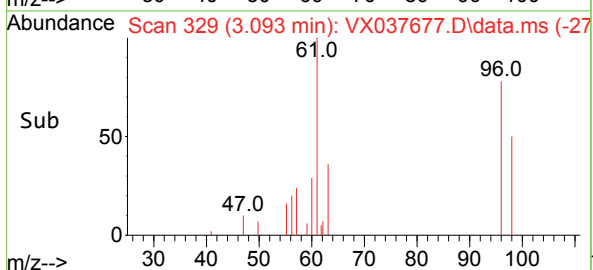
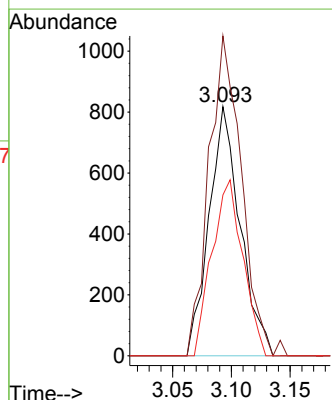
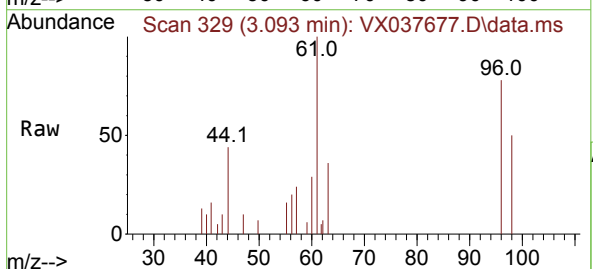
Tgt Ion: 96 Resp: 1507

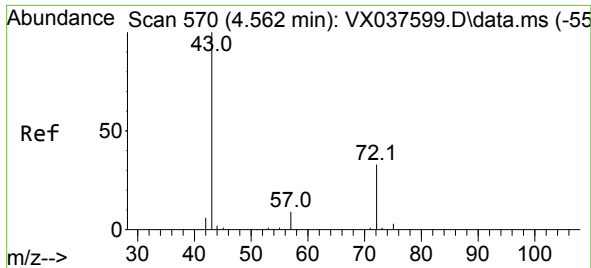
Ion Ratio Lower Upper

96 100

61 128.4 119.2 178.8

98 64.5 48.7 73.1

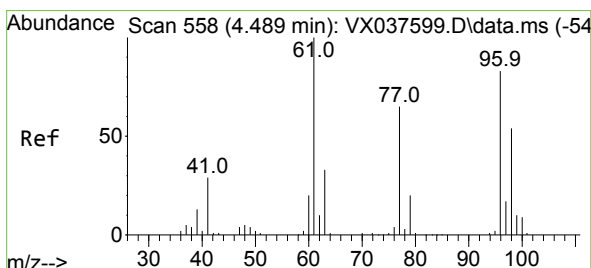
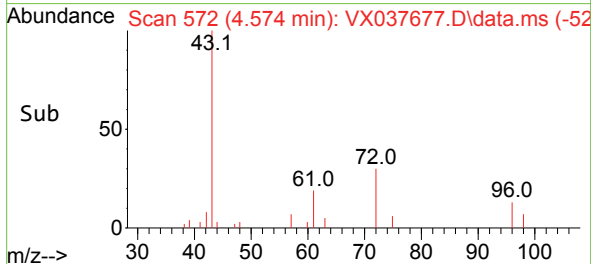
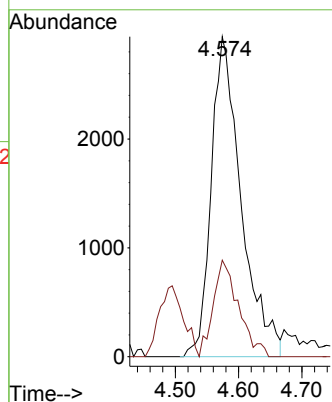
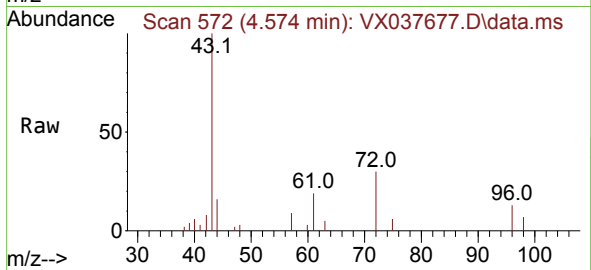




#25
2-Butanone
Concen: 4.330 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

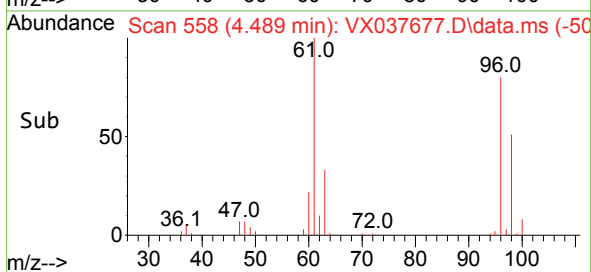
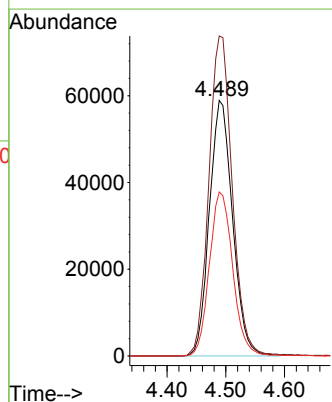
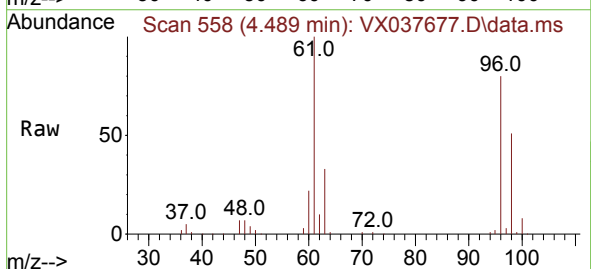
Instrument :
MSVOA_X
ClientSampleId :

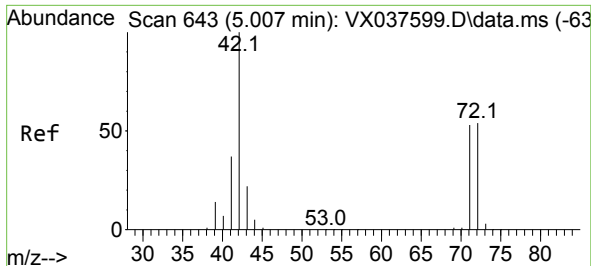
Tgt Ion: 43 Resp: 9654
Ion Ratio Lower Upper
43 100
72 30.1 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 53.560 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 96 Resp: 161628
Ion Ratio Lower Upper
96 100
61 126.4 0.0 312.2
98 64.4 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.487 ug/l

RT: 5.031 min Scan# 643

Delta R.T. 0.024 min

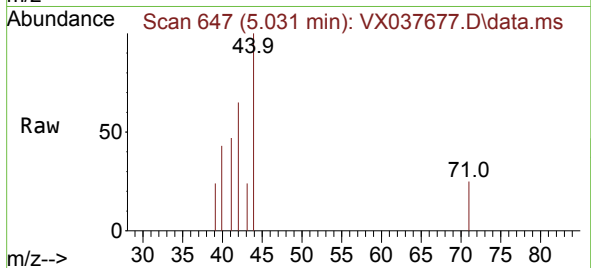
Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

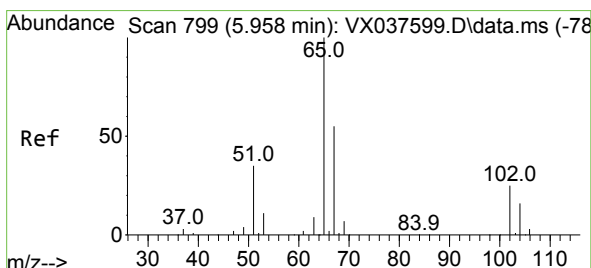
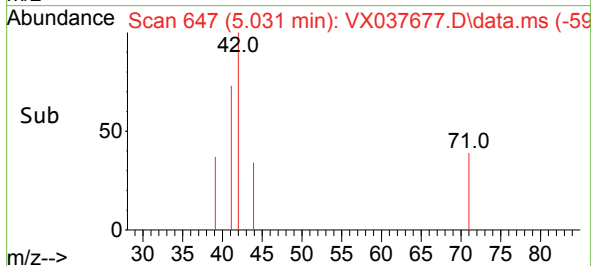
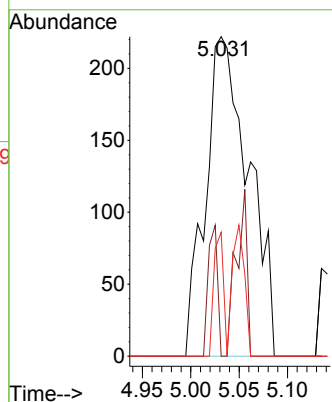
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	692
Ion	Ratio	Lower	Upper
42	100		
72	8.8	34.2	51.4#
71	8.5	32.2	48.2#



#33

1,2-Dichloroethane-d4

Concen: 42.833 ug/l

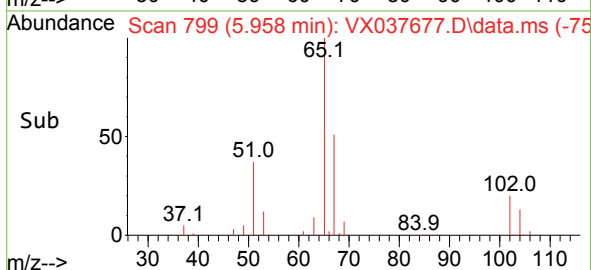
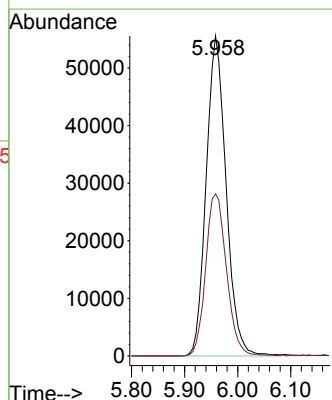
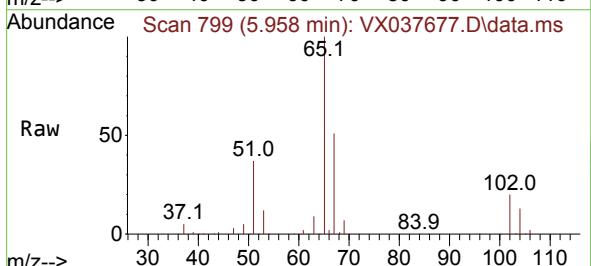
RT: 5.958 min Scan# 799

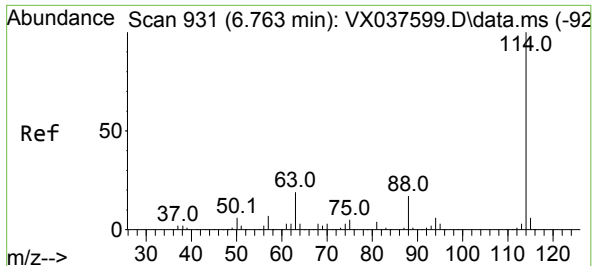
Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Tgt Ion:	65	Resp:	144883
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	100.2

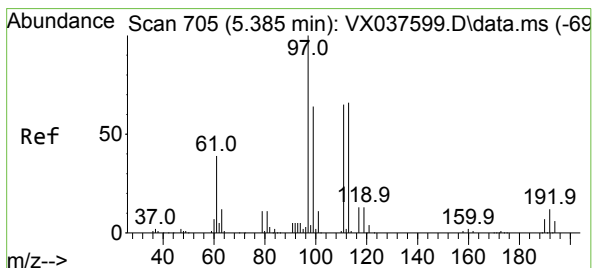
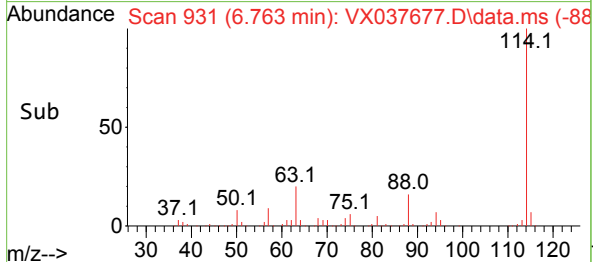
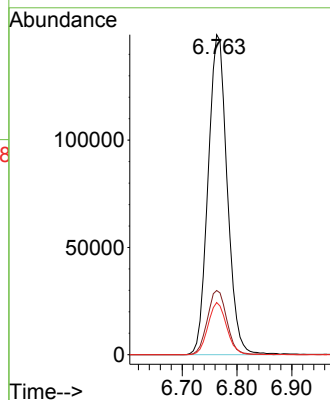
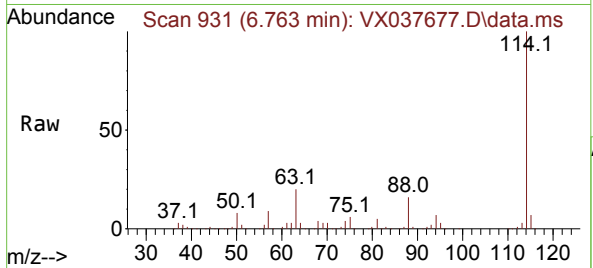




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

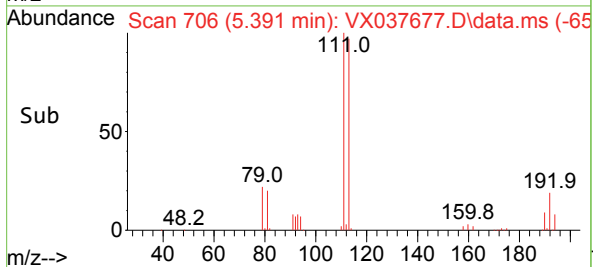
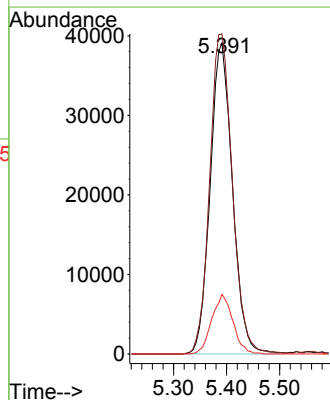
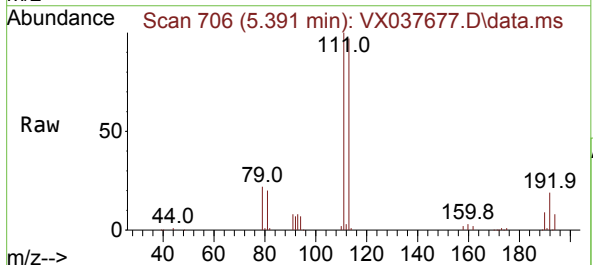
Instrument :
MSVOA_X
ClientSampleId :

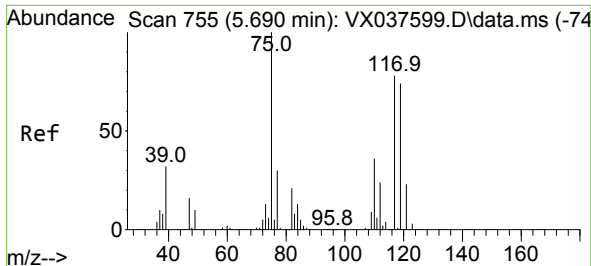
Tgt Ion:114 Resp: 360564
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.589 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion:113 Resp: 113956
Ion Ratio Lower Upper
113 100
111 105.0 82.9 124.3
192 18.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.009 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

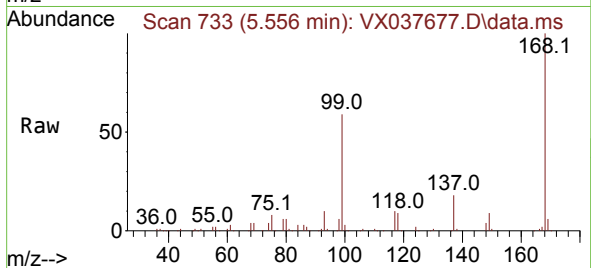
Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :



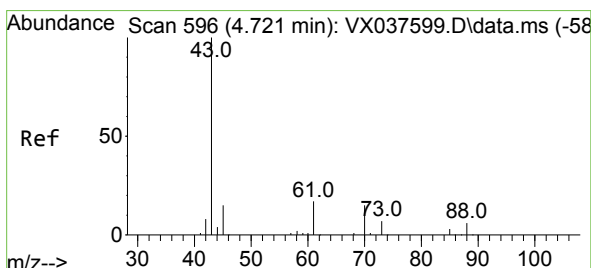
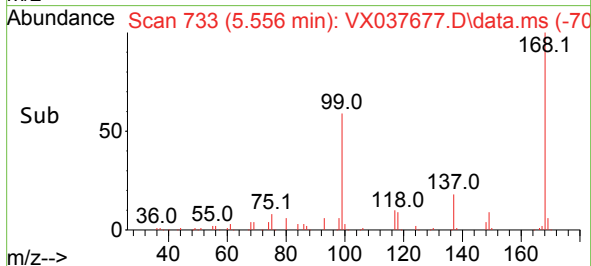
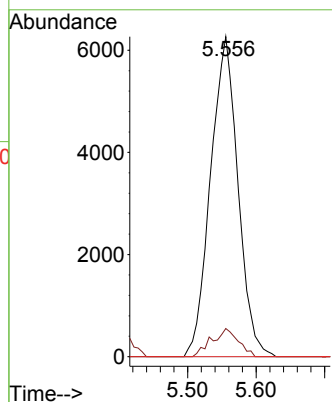
Tgt Ion: 75 Resp: 17415

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 2.427 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.147 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

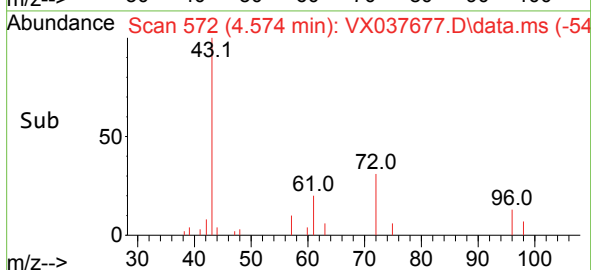
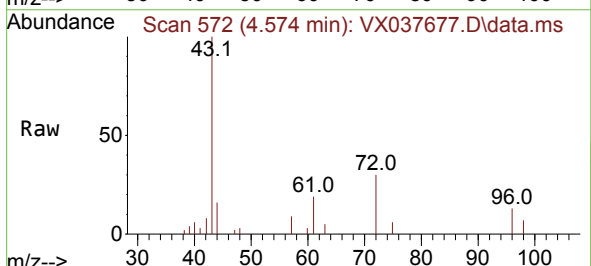
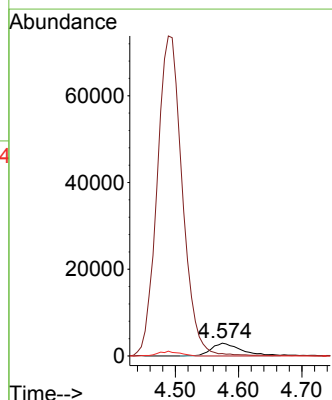
Tgt Ion: 43 Resp: 9654

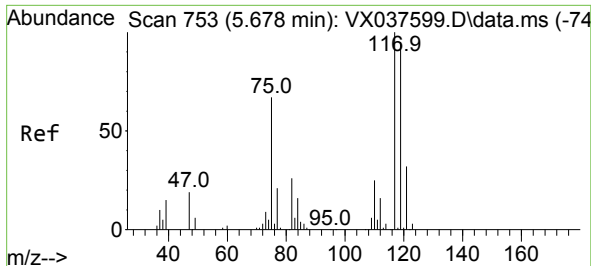
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

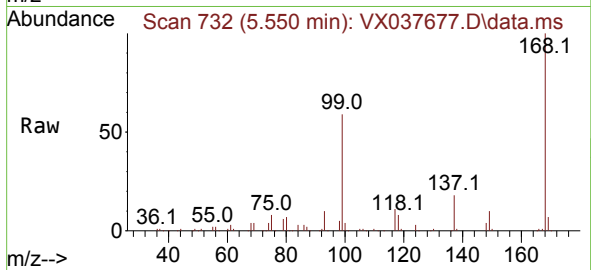
70 0.0 8.3 12.5#



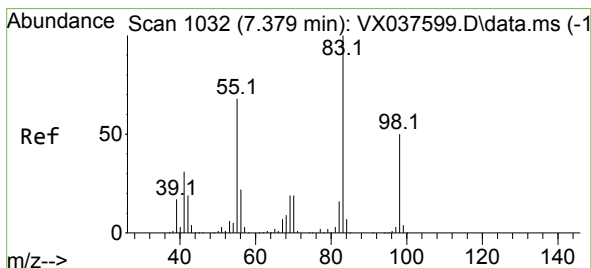
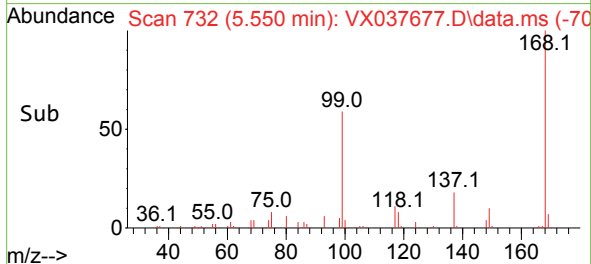
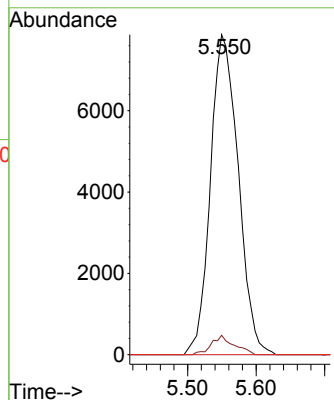


#38
Carbon Tetrachloride
Concen: 6.249 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Instrument :
MSVOA_X
ClientSampleId :

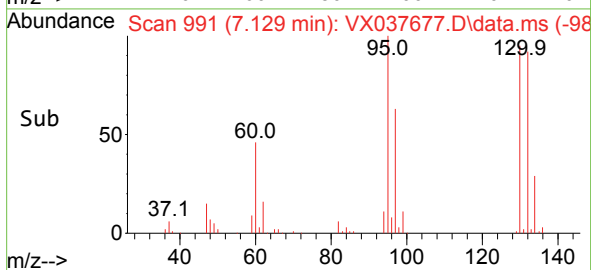
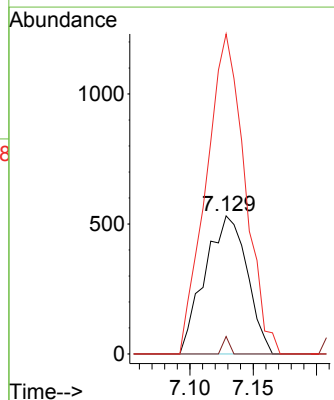
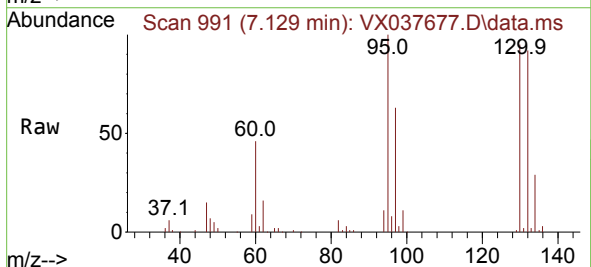


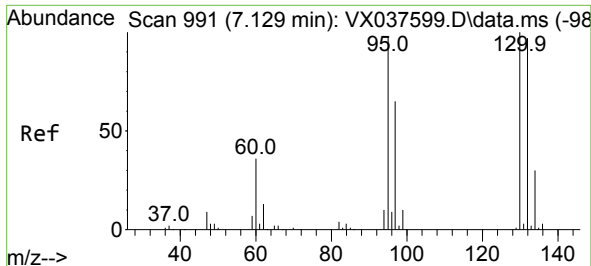
Tgt Ion:117 Resp: 22196
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.300 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

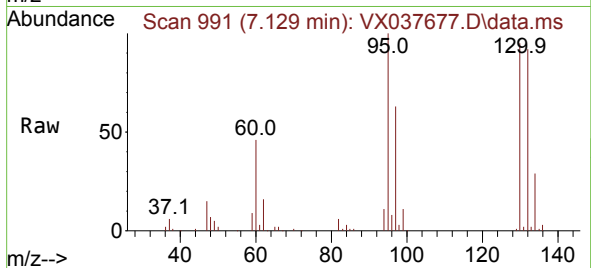
Tgt Ion: 83 Resp: 1234
Ion Ratio Lower Upper
83 100
55 12.6 64.6 97.0#
98 231.8 36.7 55.1#



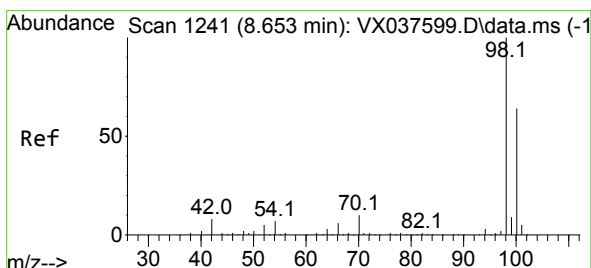
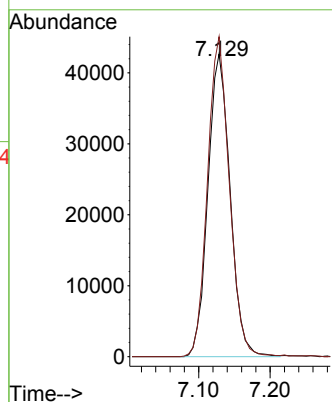
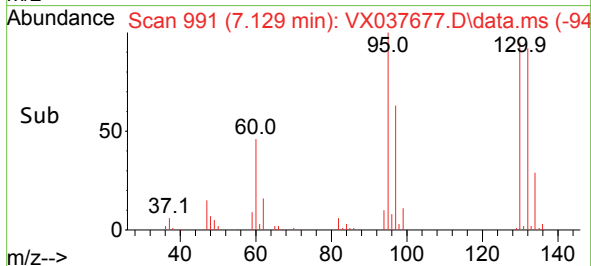


#44
 Trichloroethene
 Concen: 34.953 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX037677.D
 Acq: 12 Sep 2023 18:39

Instrument :
 MSVOA_X
 ClientSampleId :

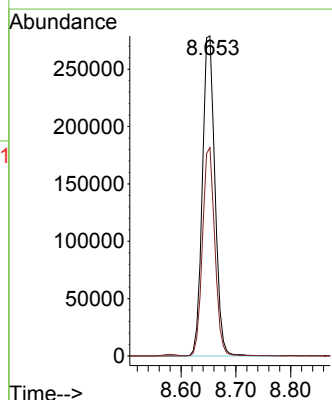
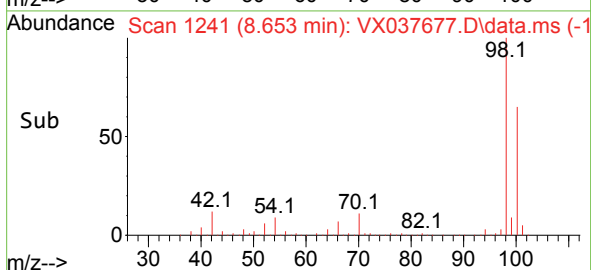
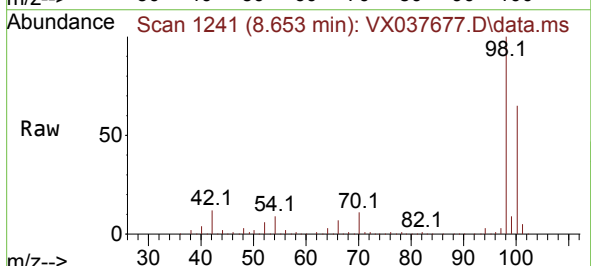


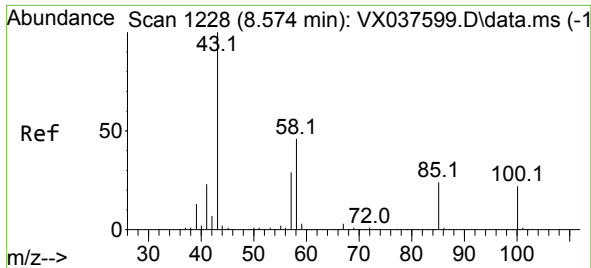
Tgt Ion:130 Resp: 92045
 Ion Ratio Lower Upper
 130 100
 95 105.7 0.0 204.4



#50
 Toluene-d8
 Concen: 46.099 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX037677.D
 Acq: 12 Sep 2023 18:39

Tgt Ion: 98 Resp: 444334
 Ion Ratio Lower Upper
 98 100
 100 63.9 53.1 79.7

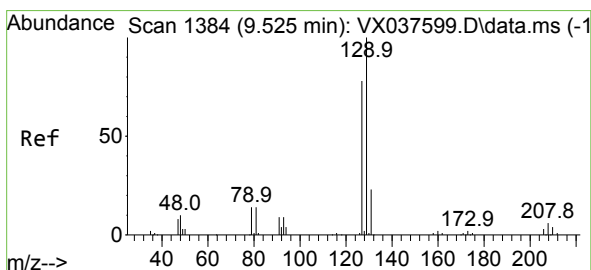
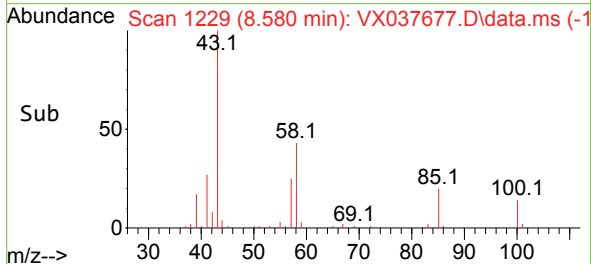
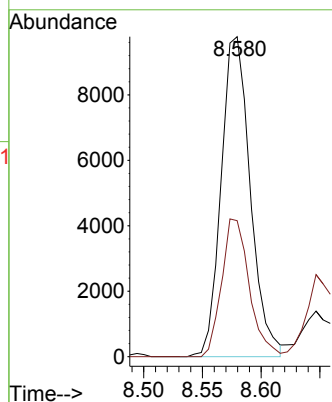
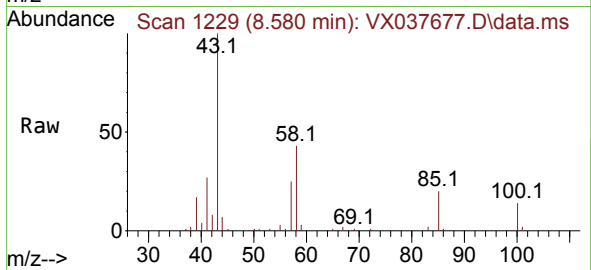




#51
4-Methyl-2-Pentanone
Concen: 4.045 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

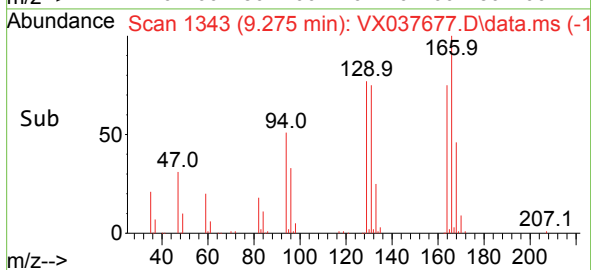
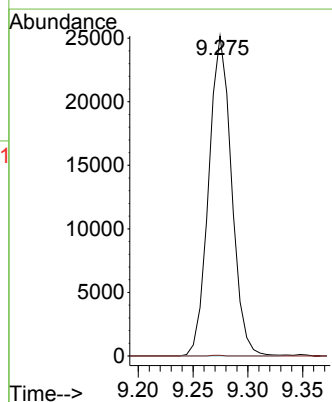
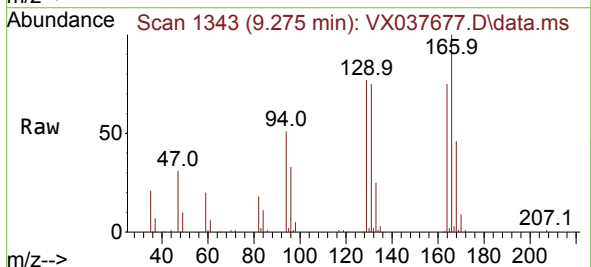
Instrument :
MSVOA_X
ClientSampleId :

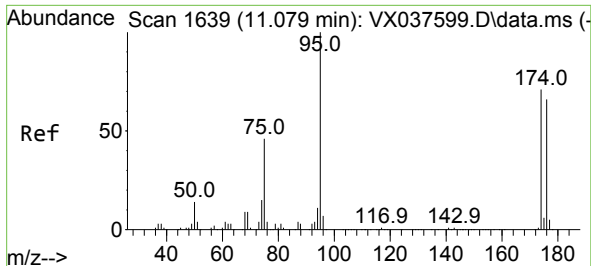
Tgt Ion: 43 Resp: 16858
Ion Ratio Lower Upper
43 100
58 40.9 30.4 45.6



#60
Dibromochloromethane
Concen: 13.036 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 129 Resp: 36538
Ion Ratio Lower Upper
129 100
127 0.1 38.8 116.4#

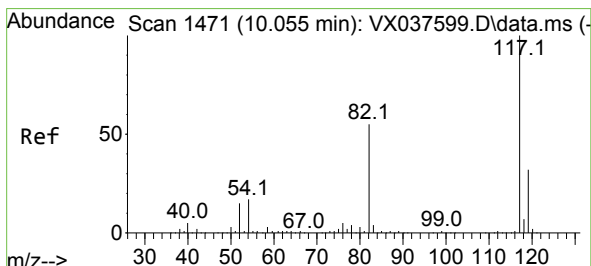
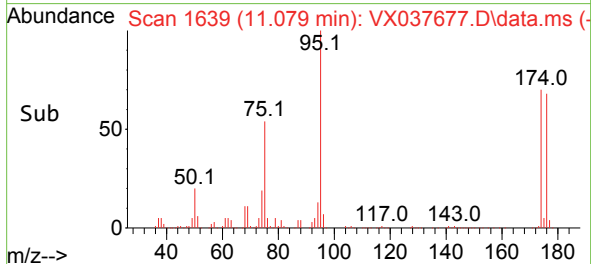
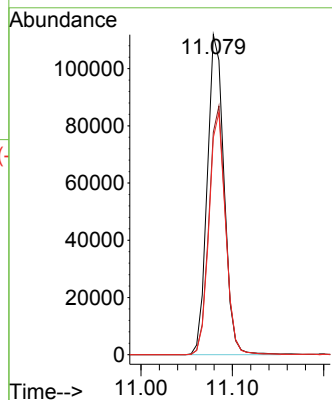
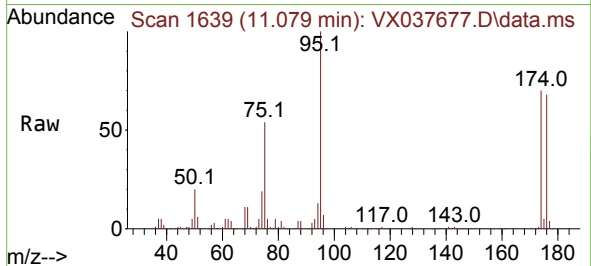




#62
4-Bromofluorobenzene
Concen: 41.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

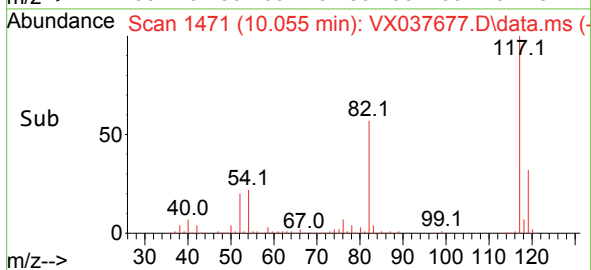
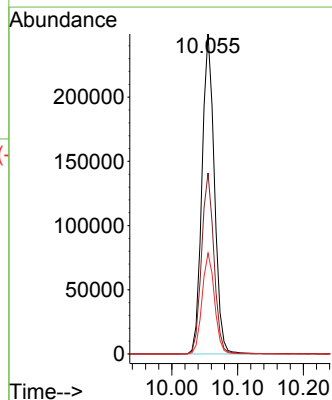
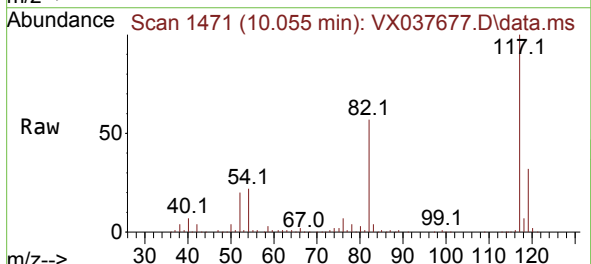
Instrument :
MSVOA_X
ClientSampleId :

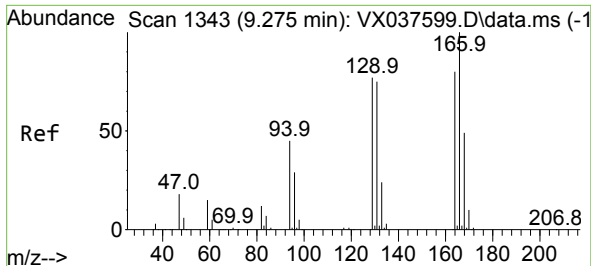
Tgt Ion: 95 Resp: 142674
Ion Ratio Lower Upper
95 100
174 76.7 0.0 135.6
176 74.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 117 Resp: 327423
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 31.5 25.5 38.3

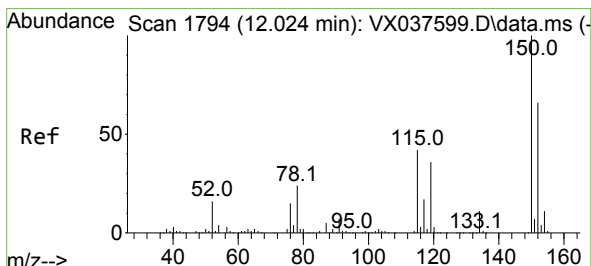
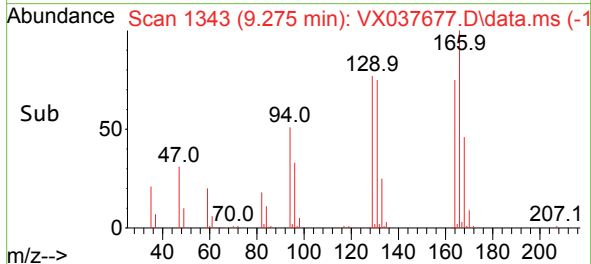
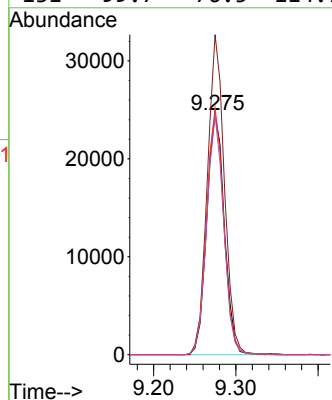
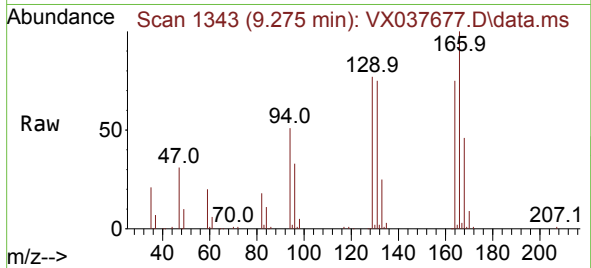




#64
Tetrachloroethene
Concen: 17.224 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

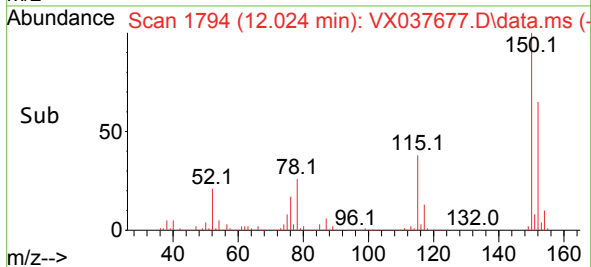
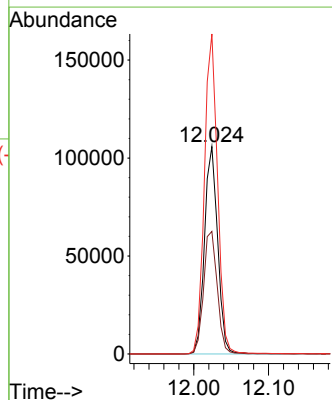
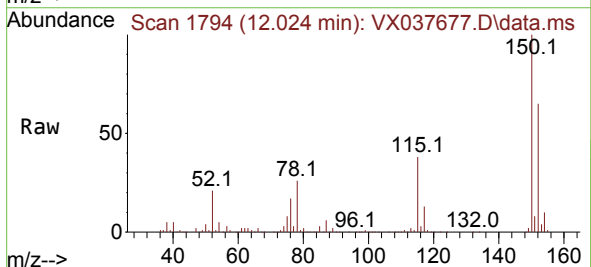
Instrument :
MSVOA_X
ClientSampleId :

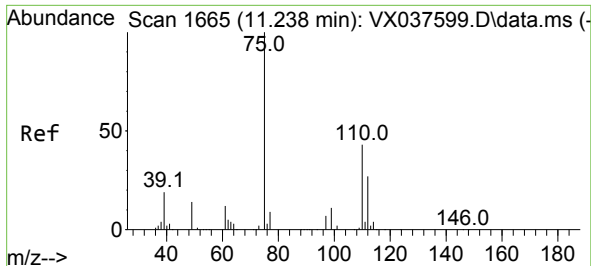
Tgt Ion:164 Resp: 36538
Ion Ratio Lower Upper
164 100
166 133.2 102.7 154.1
129 102.6 80.4 120.6
131 99.7 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion:152 Resp: 129709
Ion Ratio Lower Upper
152 100
115 61.5 43.3 129.9
150 154.2 0.0 345.0

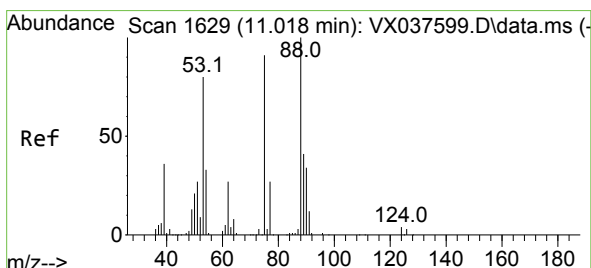
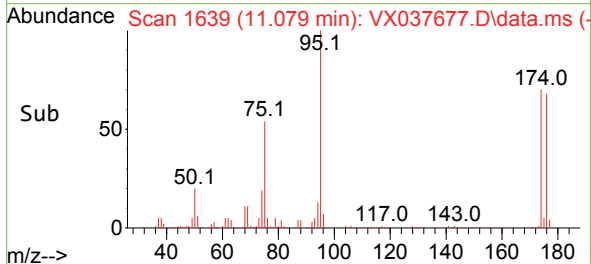
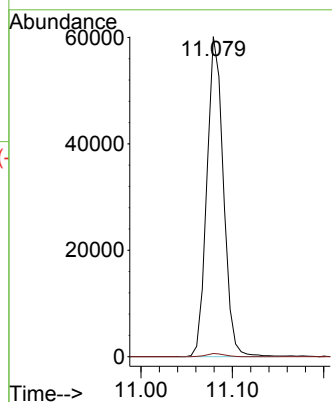
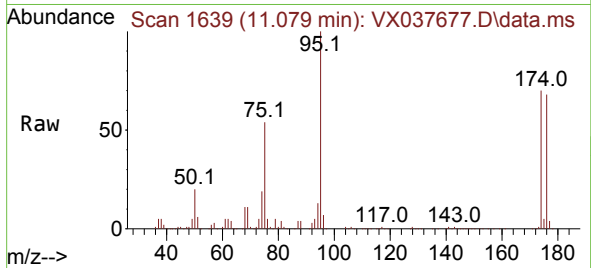




#76
1,2,3-Trichloropropane
Concen: 26.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

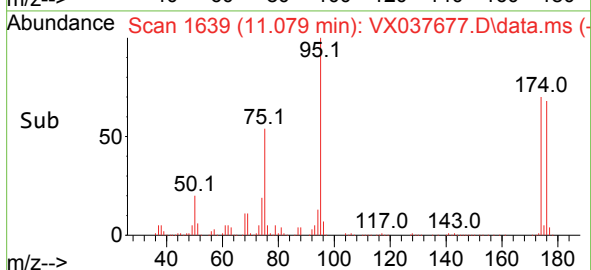
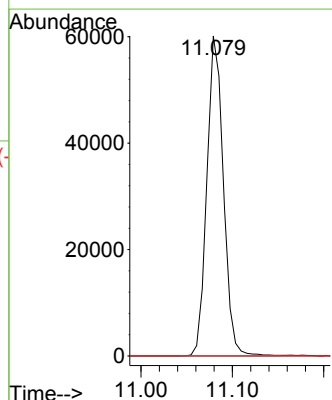
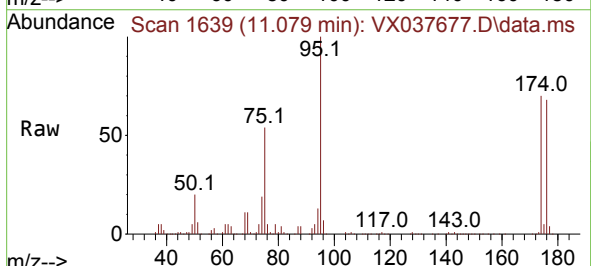
Instrument :
MSVOA_X
ClientSampleId :

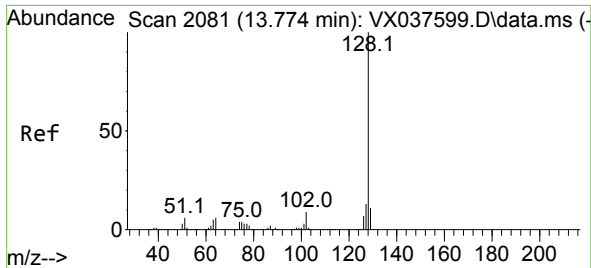
Tgt Ion: 75 Resp: 75568
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.553 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 75 Resp: 75568
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.356 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

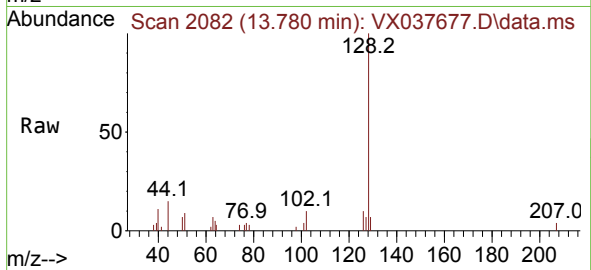
Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 3391

Ion Ratio Lower Upper

128 100

127 10.5 10.3 15.5

129 8.5 8.8 13.2#

