

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX038001.D
 Acq On : 30 Sep 2023 14:08
 Operator : JC/MD
 Sample : 04652-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 02:11:03 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

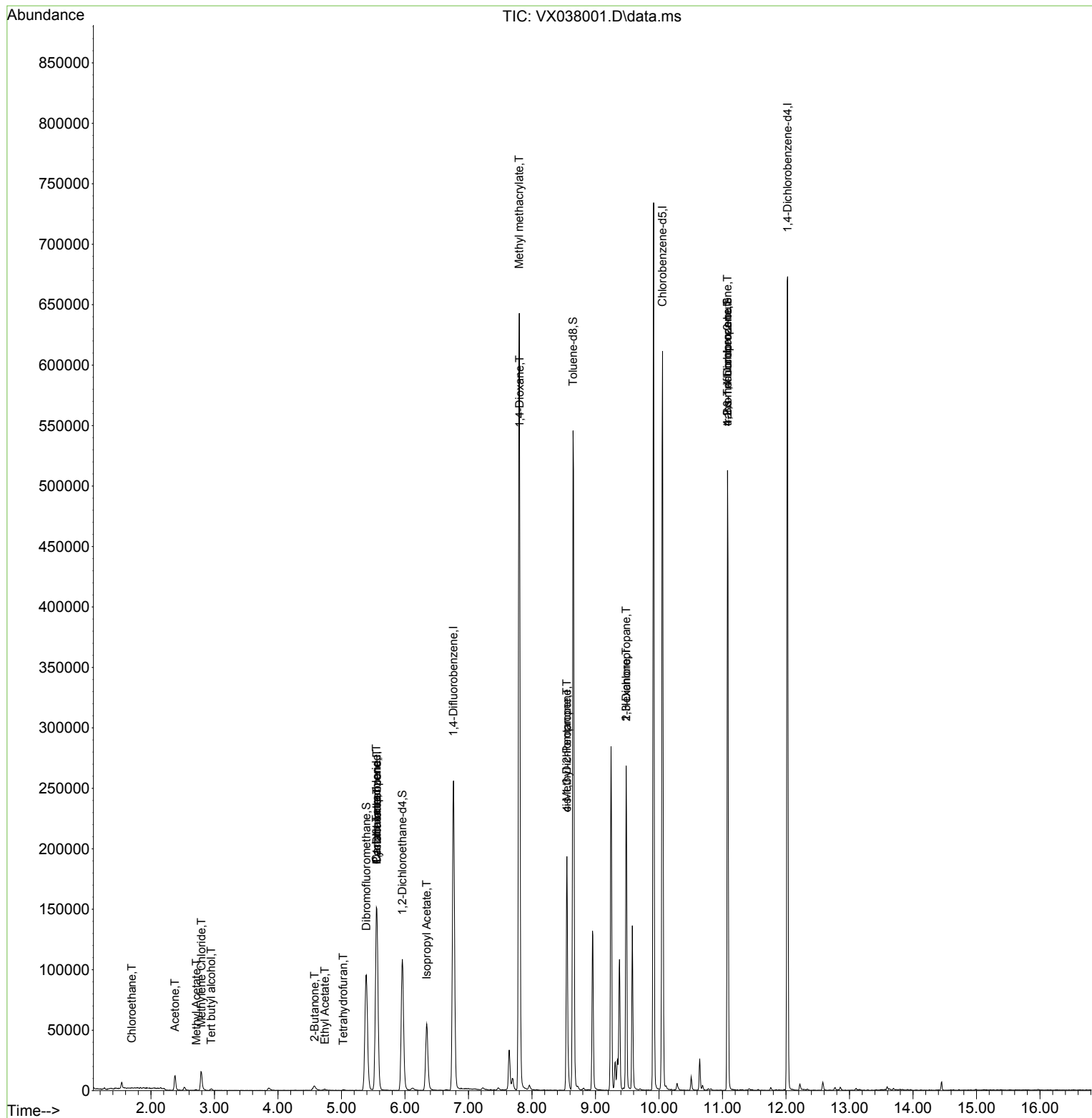
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	141232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251082	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104879	56.521	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.040%
35) Dibromofluoromethane	5.391	113	83011	49.411	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.820%
50) Toluene-d8	8.647	98	318075	50.955	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.920%
62) 4-Bromofluorobenzene	11.079	95	123714	54.540	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.080%
Target Compounds						Qvalue
6) Chloroethane	1.697	64	278	0.231	ug/l #	43
11) Tert butyl alcohol	2.947	59	1000	2.511	ug/l #	78
16) Acetone	2.380	43	13851	15.517	ug/l	96
18) Methyl Acetate	2.715	43	797	0.248	ug/l	100
20) Methylene Chloride	2.794	84	7754	4.676	ug/l #	95
25) 2-Butanone	4.574	43	4052	3.217	ug/l	93
29) Tetrahydrofuran	5.026	42	271	0.346	ug/l #	84
31) Cyclohexane	5.556	56	3384	1.421	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11808	5.102	ug/l #	51
37) Ethyl Acetate	4.739	43	2287	0.899	ug/l #	69
38) Carbon Tetrachloride	5.550	117	14936	6.168	ug/l #	15
43) Isopropyl Acetate	6.342	43	74334	18.272	ug/l	98
48) Methyl methacrylate	7.799	41	57905	29.774	ug/l #	50
49) 1,4-Dioxane	7.806	88	42	0.824	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65049	25.202	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	28365	10.011	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	2247	0.718	ug/l #	42
59) 2-Hexanone	9.482	43	30260	15.057	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	69752	22.728	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	69752	72.805	ug/l #	5

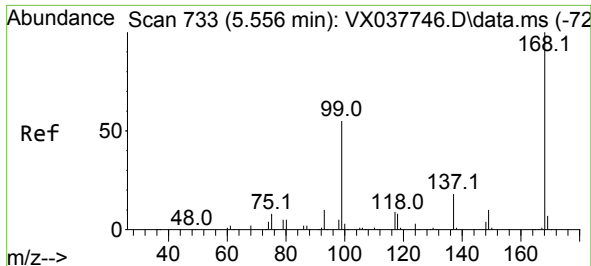
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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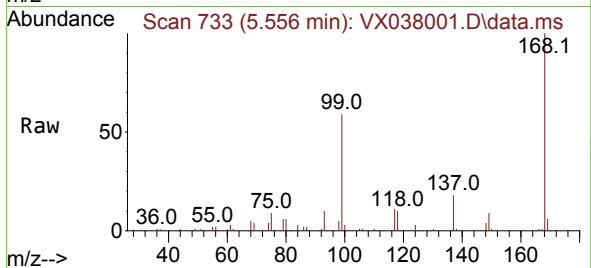
Quant Time: Oct 02 02:11:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



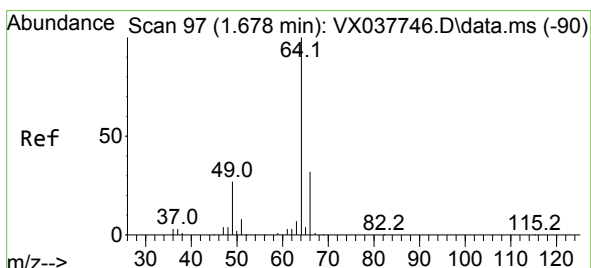
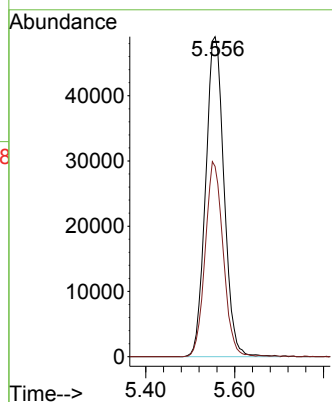
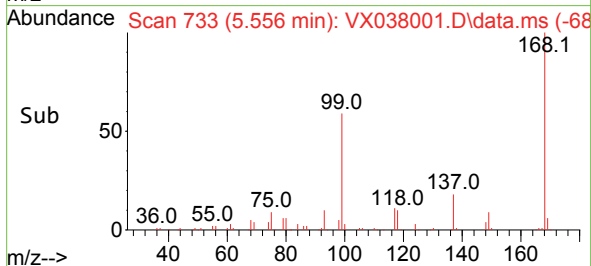


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Instrument :
MSVOA_X
ClientSampleId :

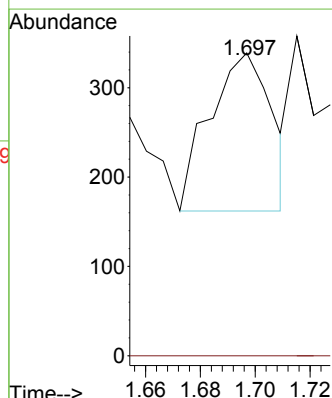
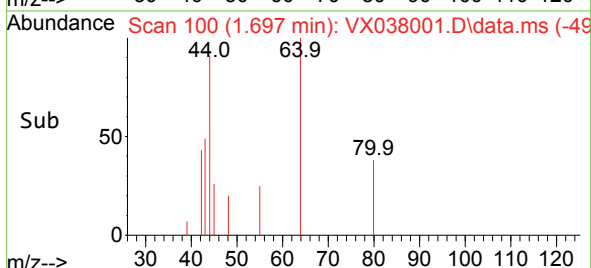
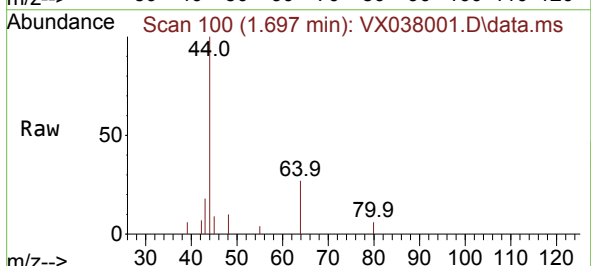


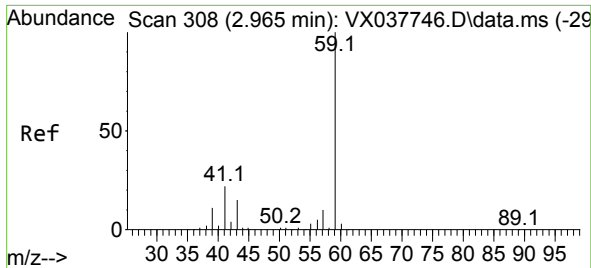
Tgt Ion:168 Resp: 141232
Ion Ratio Lower Upper
168 100
99 59.4 56.6 85.0



#6
Chloroethane
Concen: 0.231 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

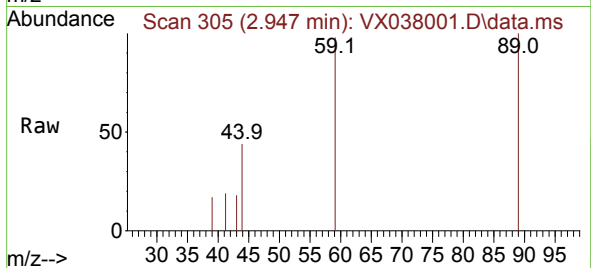
Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



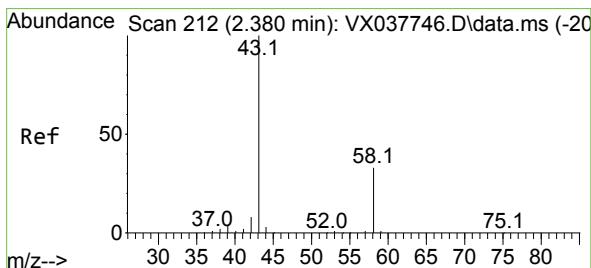
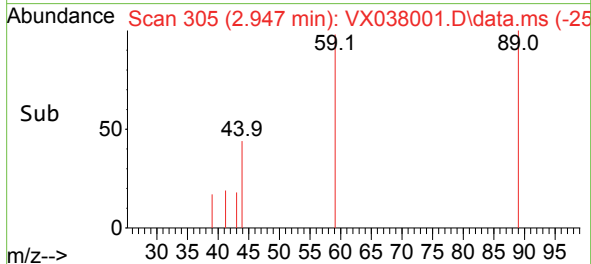
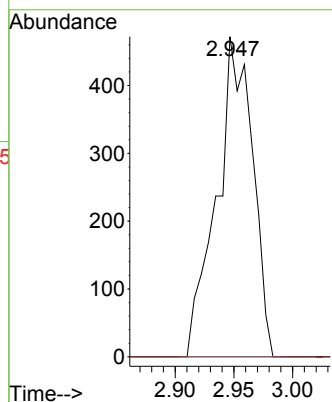


#11
Tert butyl alcohol
Concen: 2.511 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Instrument :
MSVOA_X
ClientSampleId :

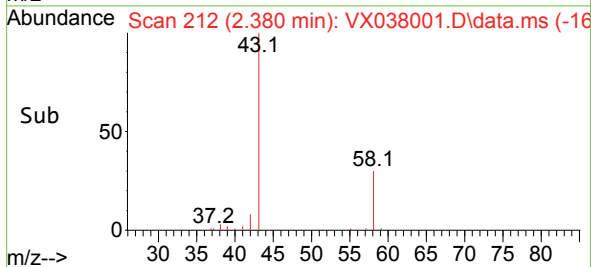
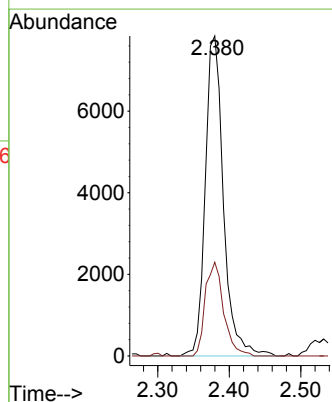
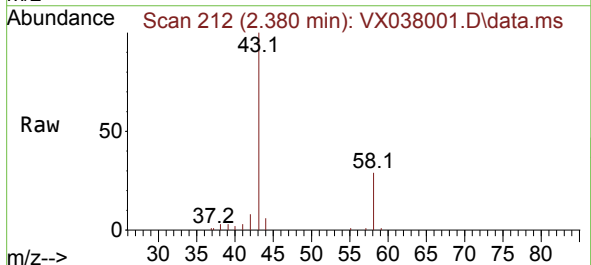


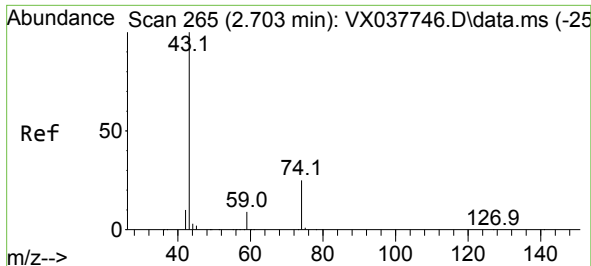
Tgt Ion: 59 Resp: 1000
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 15.517 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion: 43 Resp: 13851
Ion Ratio Lower Upper
43 100
58 29.3 21.9 32.9

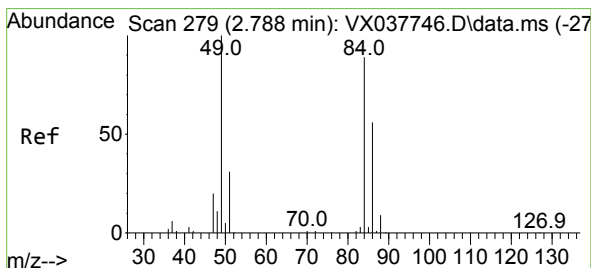
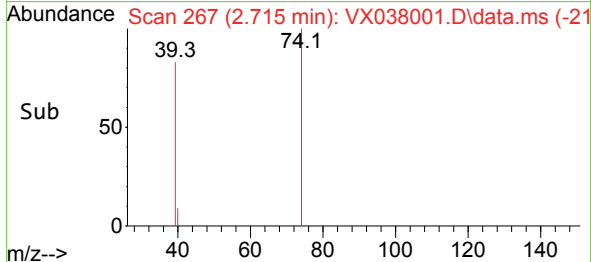
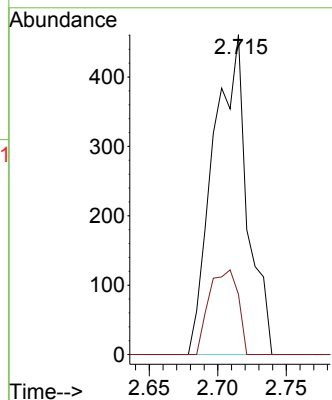
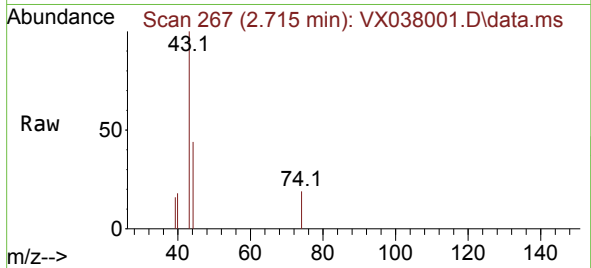




#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

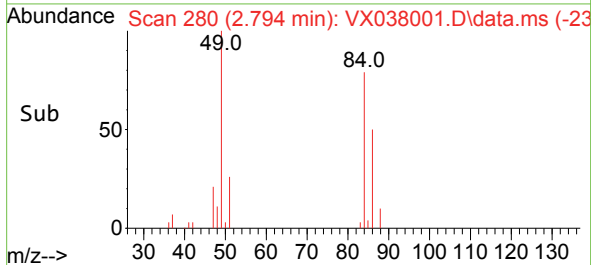
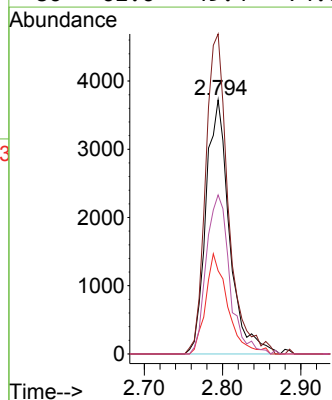
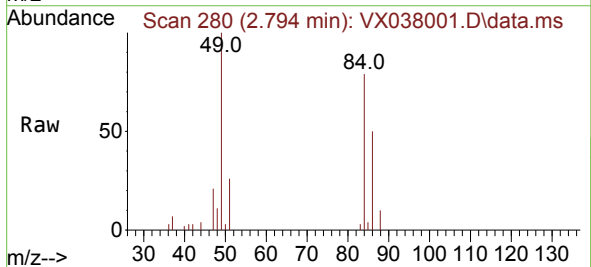
Instrument :
MSVOA_X
ClientSampleId :

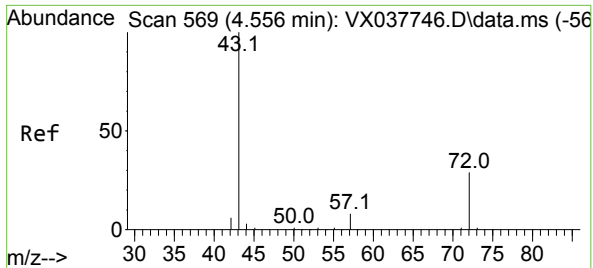
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 4.676 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion: 84 Resp: 7754
Ion Ratio Lower Upper
84 100
49 126.0 103.6 155.4
51 32.8 33.8 50.6#
86 62.6 49.4 74.0

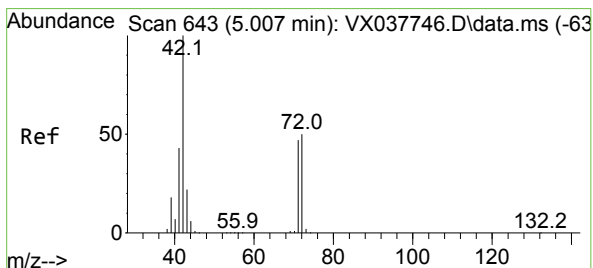
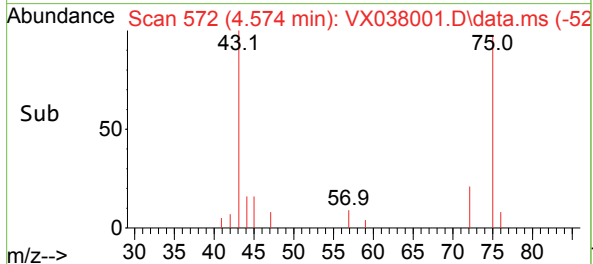
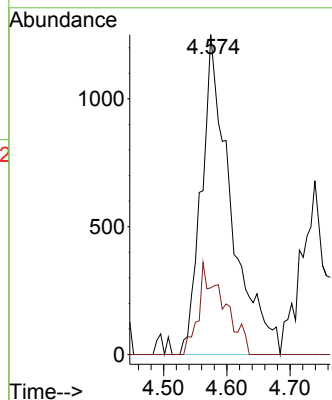
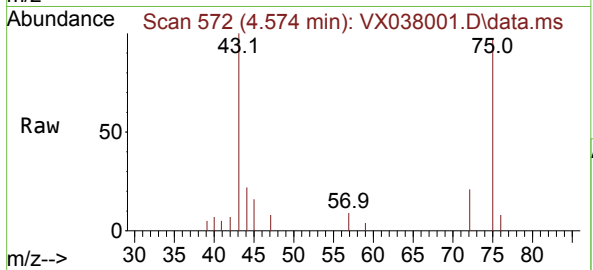




#25
2-Butanone
Concen: 3.217 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

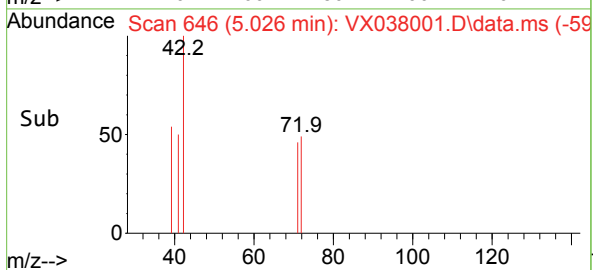
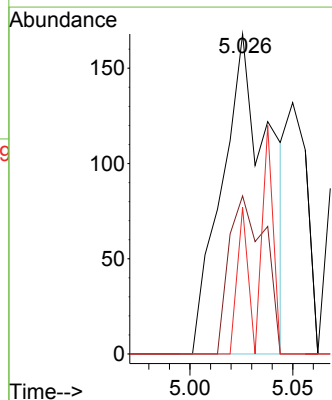
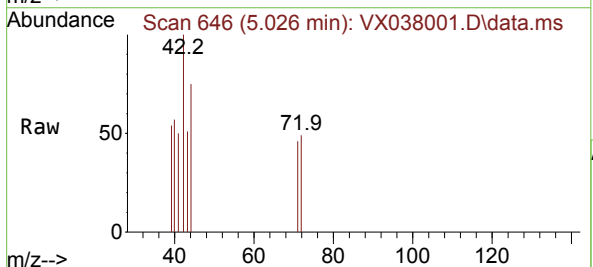
Instrument :
MSVOA_X
ClientSampleId :

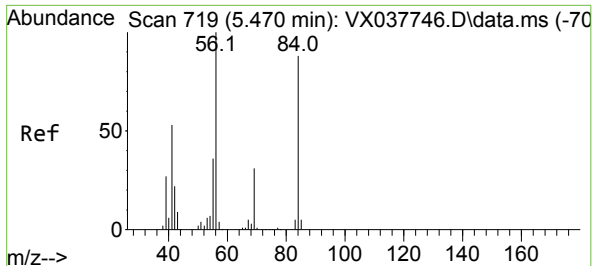
Tgt Ion: 43 Resp: 4052
Ion Ratio Lower Upper
43 100
72 20.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.346 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

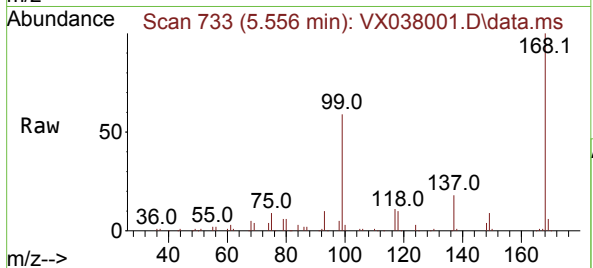
Tgt Ion: 42 Resp: 271
Ion Ratio Lower Upper
42 100
72 36.5 34.2 51.4
71 26.6 32.2 48.2#



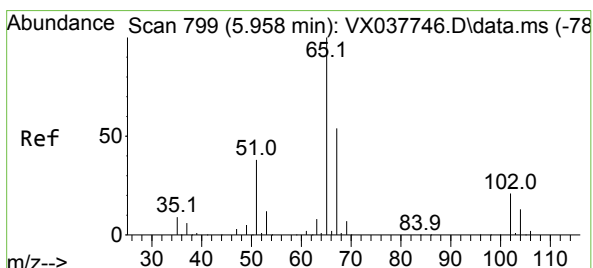
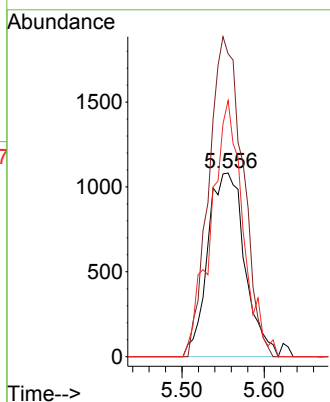
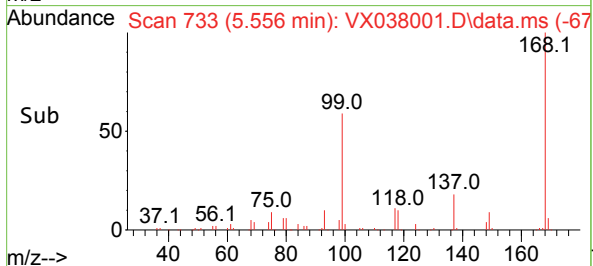


#31
Cyclohexane
Concen: 1.421 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Instrument :
MSVOA_X
ClientSampleId :

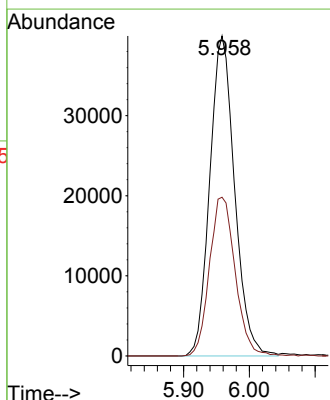
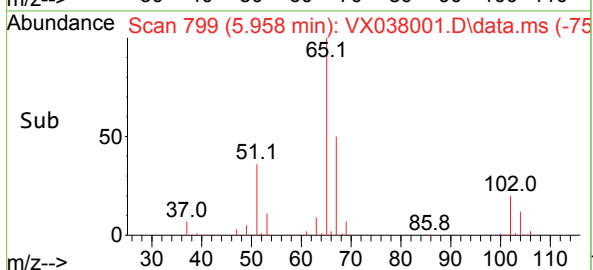
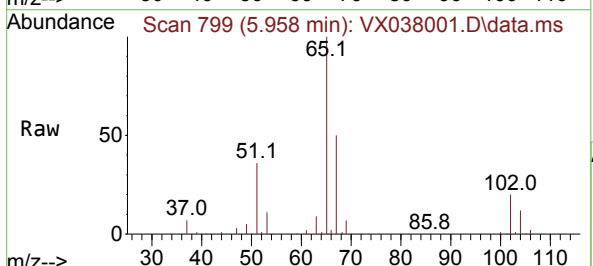


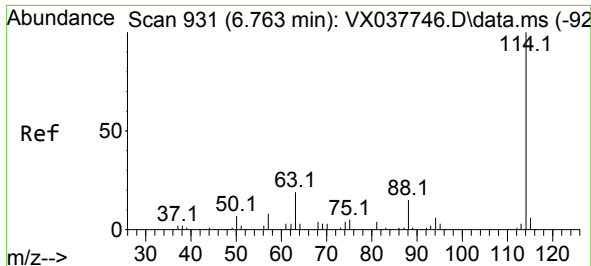
Tgt Ion: 56 Resp: 3384
Ion Ratio Lower Upper
56 100
69 165.0 23.4 35.2#
84 139.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 56.521 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion: 65 Resp: 104879
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

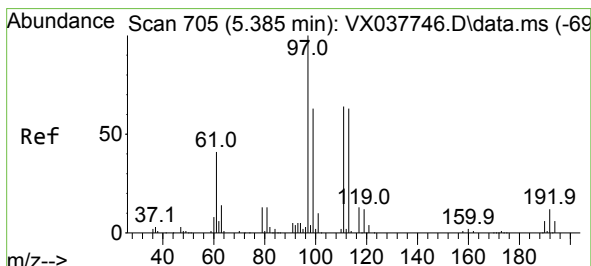
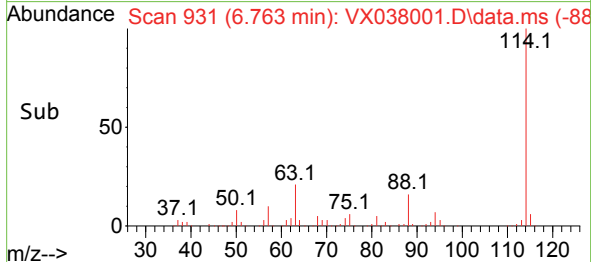
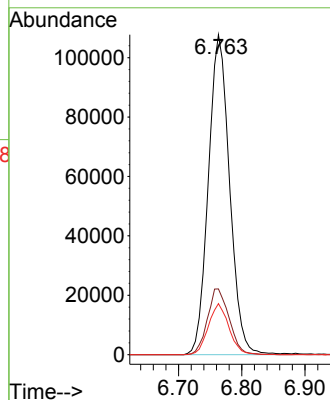
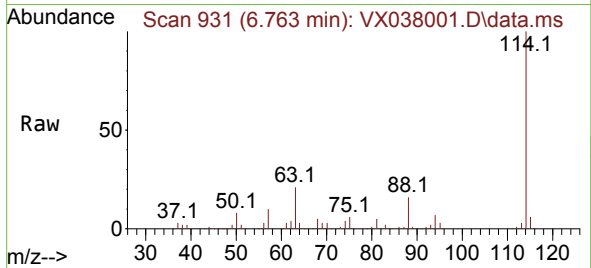




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

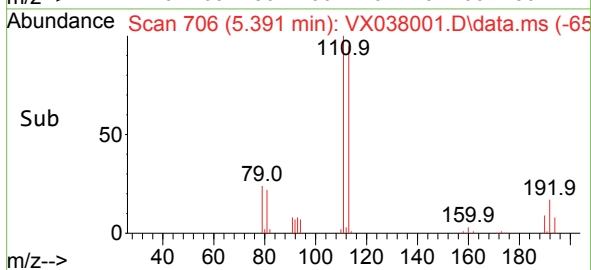
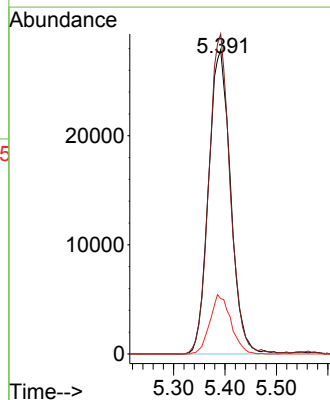
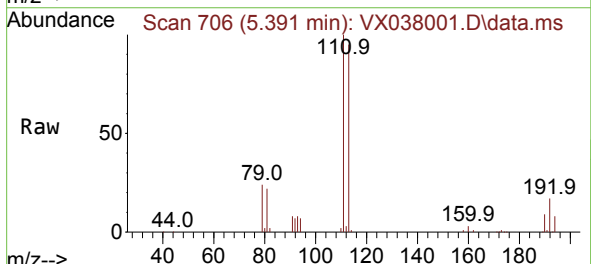
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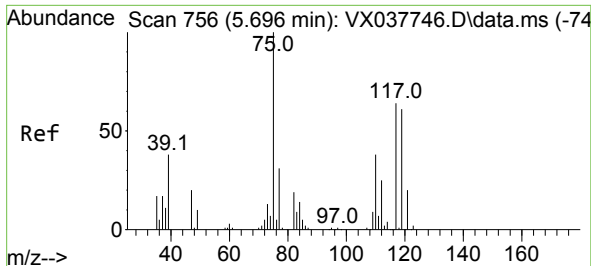
Tgt Ion:114 Resp: 251082
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.411 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion:113 Resp: 83011
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 18.5 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX038001.D

Acq: 30 Sep 2023 14:08

Instrument :

MSVOA_X

ClientSampleId :

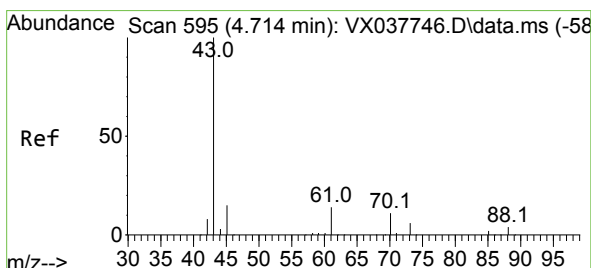
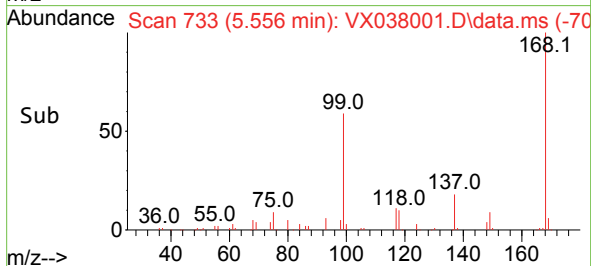
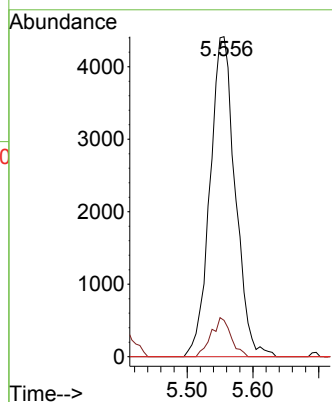
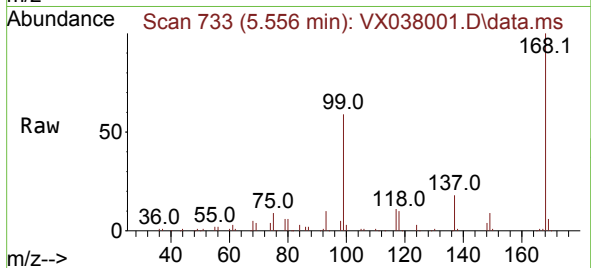
Tgt Ion: 75 Resp: 11808

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.899 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.006 min

Lab File: VX038001.D

Acq: 30 Sep 2023 14:08

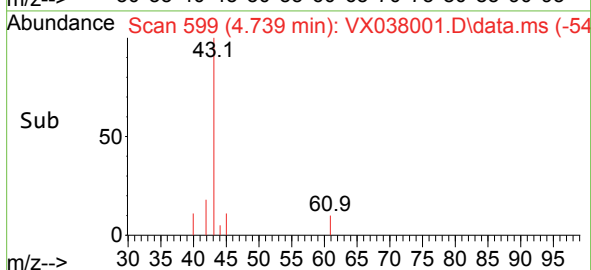
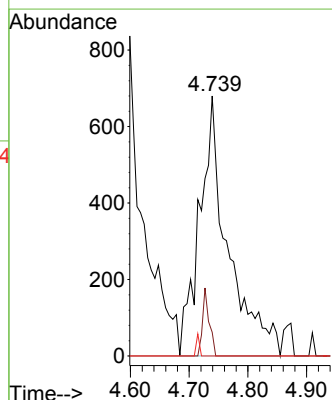
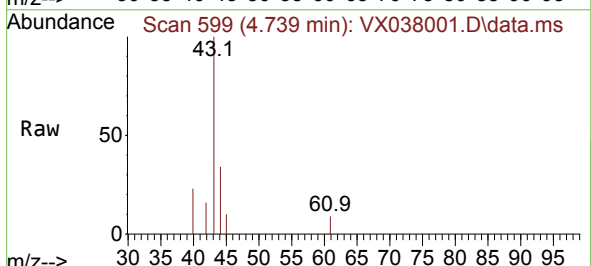
Tgt Ion: 43 Resp: 2287

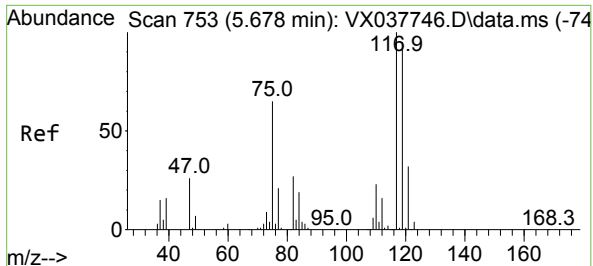
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

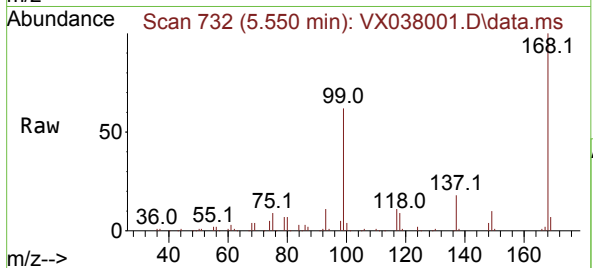
70 0.0 8.3 12.5#



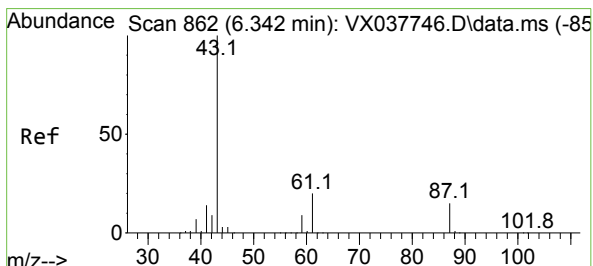
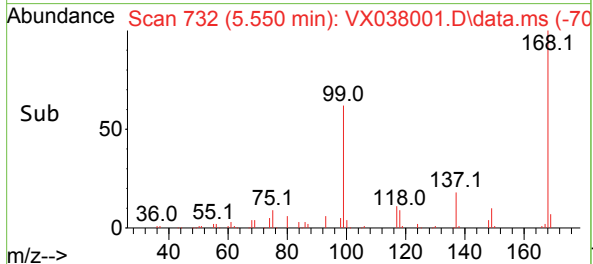
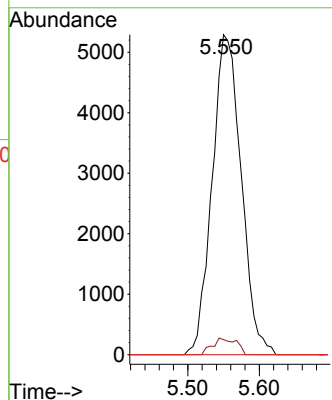


#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Instrument :
MSVOA_X
ClientSampleId :

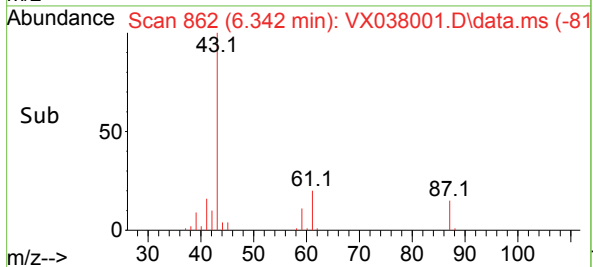
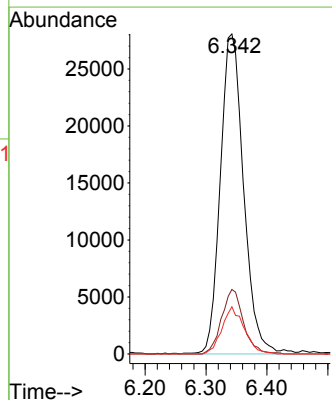
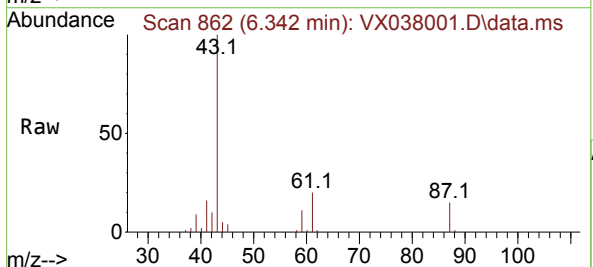


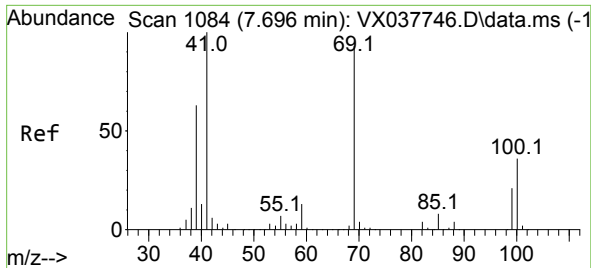
Tgt Ion:117 Resp: 14936
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 18.272 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion: 43 Resp: 74334
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 14.1 9.8 14.6

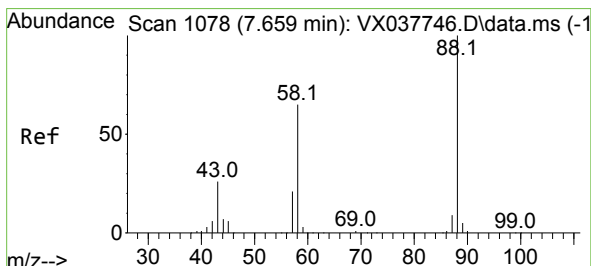
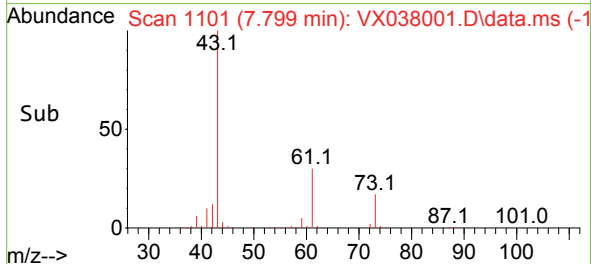
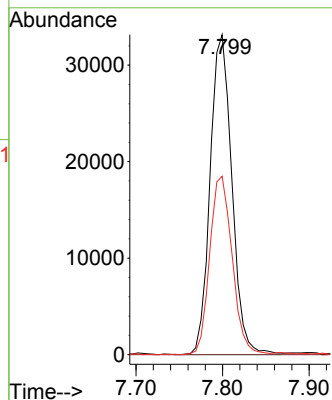
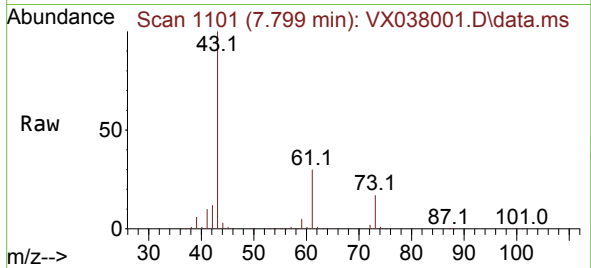




#48
Methyl methacrylate
Concen: 29.774 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.098 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

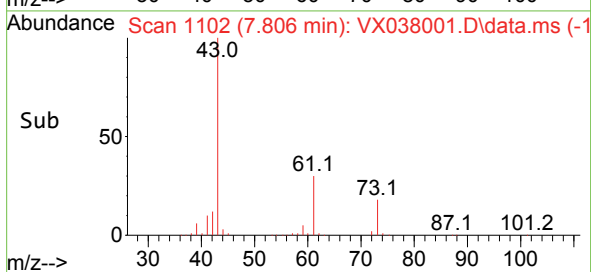
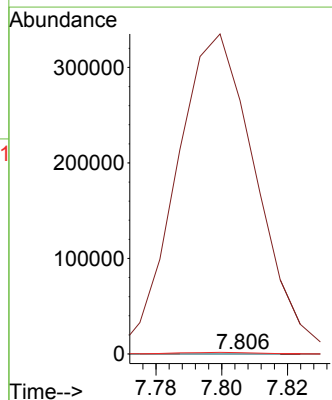
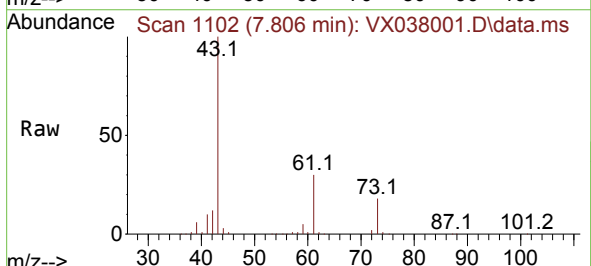
Instrument :
MSVOA_X
ClientSampleId :

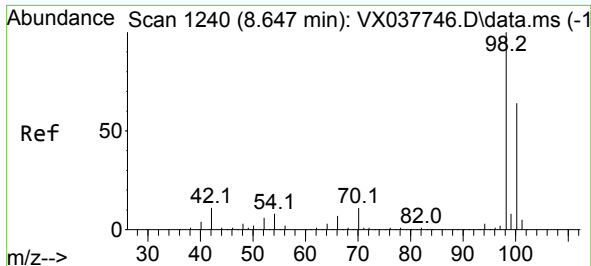
Tgt Ion: 41 Resp: 57905
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.5 47.7 71.5



#49
1,4-Dioxane
Concen: 0.824 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 1369921.4 0.0 0.0#
58 6864.3 60.1 90.1#

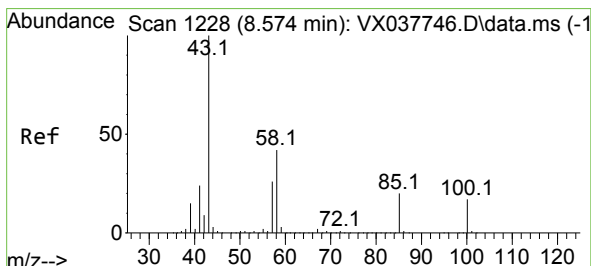
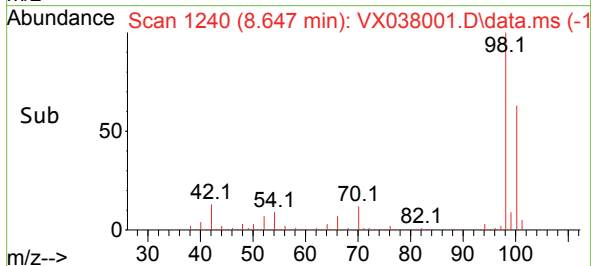
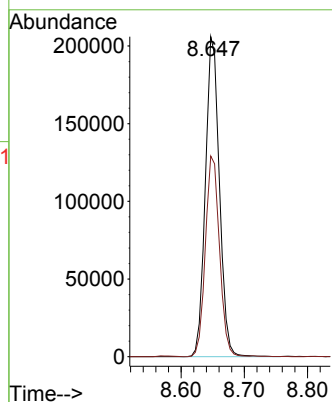
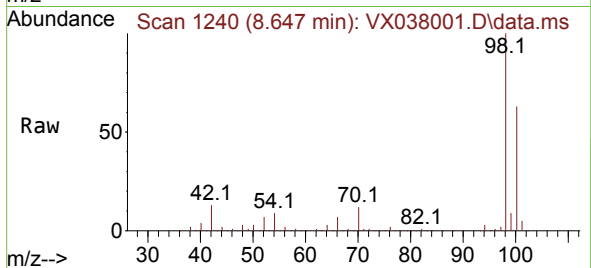




#50
Toluene-d8
Concen: 50.955 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

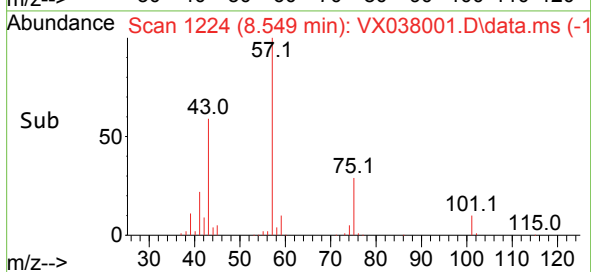
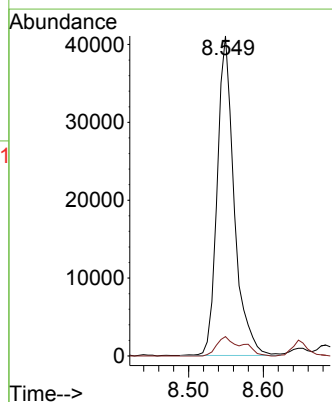
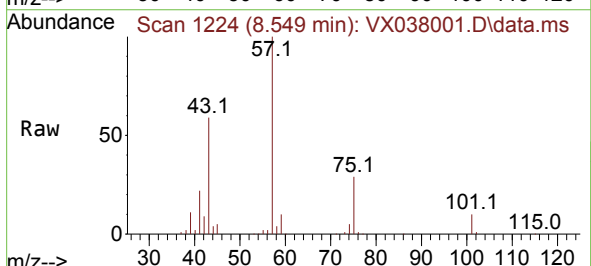
Instrument :
MSVOA_X
ClientSampleId :

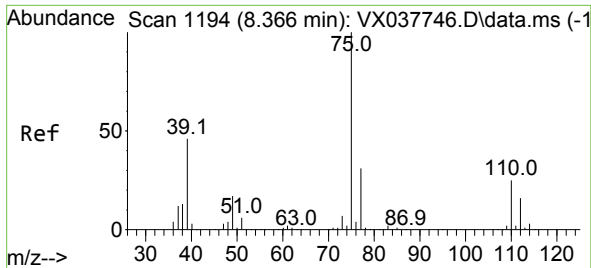
Tgt Ion: 98 Resp: 318075
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 25.202 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion: 43 Resp: 65049
Ion Ratio Lower Upper
43 100
58 8.9 30.4 45.6#

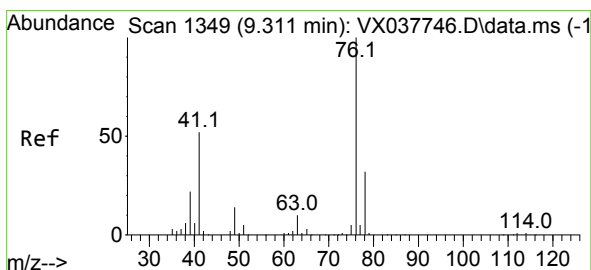
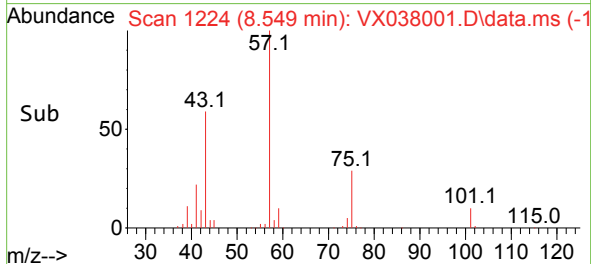
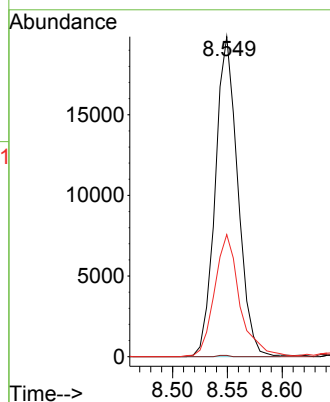
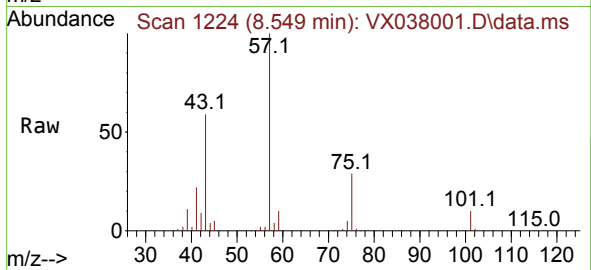




#54
 cis-1,3-Dichloropropene
 Concen: 10.011 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX038001.D
 Acq: 30 Sep 2023 14:08

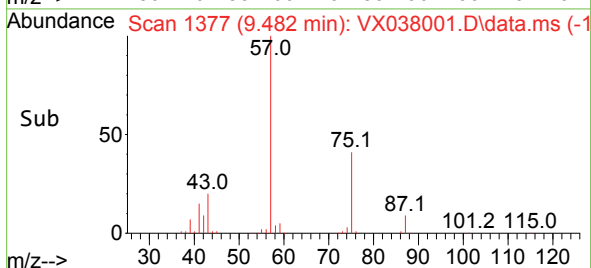
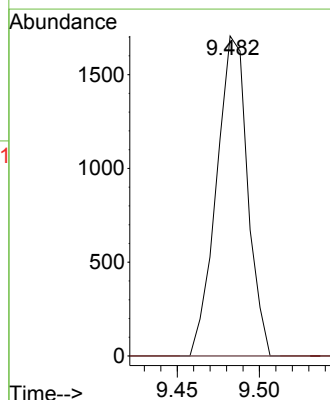
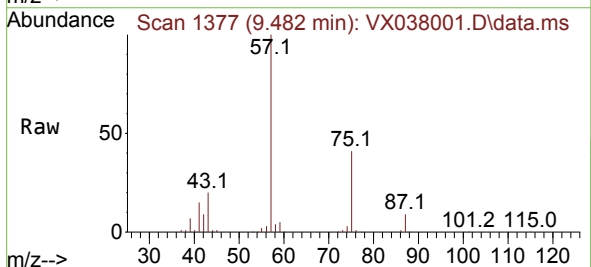
Instrument :
 MSVOA_X
 ClientSampleId :

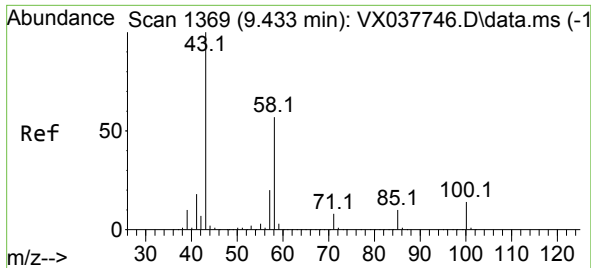
Tgt Ion: 75 Resp: 28365
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 38.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 0.718 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX038001.D
 Acq: 30 Sep 2023 14:08

Tgt Ion: 76 Resp: 2247
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

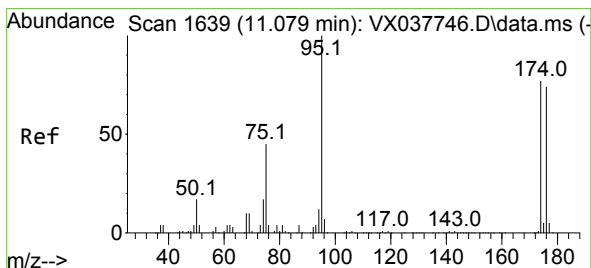
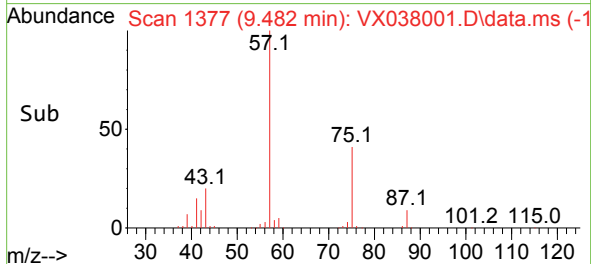
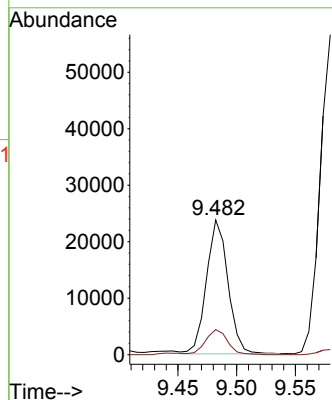
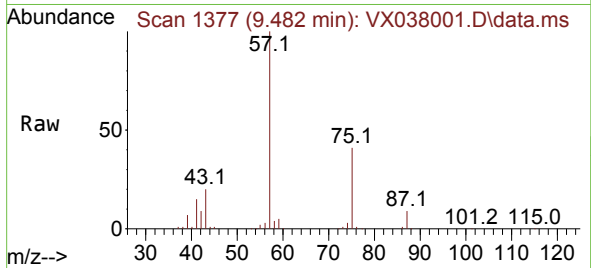




#59
2-Hexanone
Concen: 15.057 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

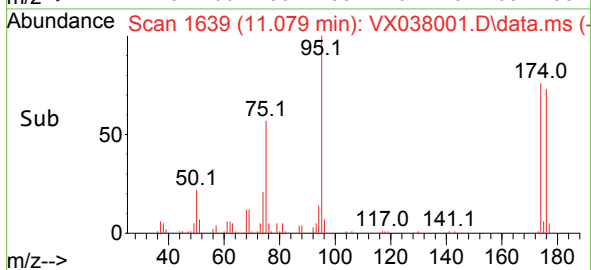
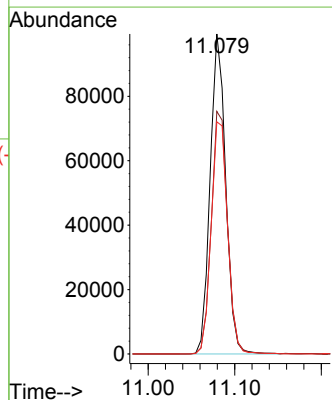
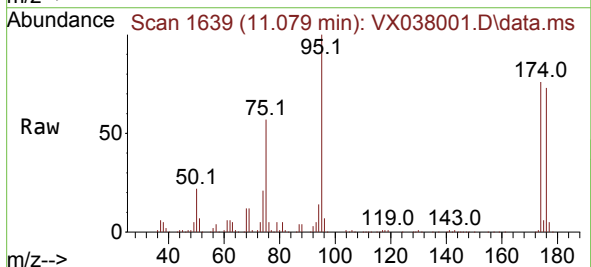
Instrument :
MSVOA_X
ClientSampleId :

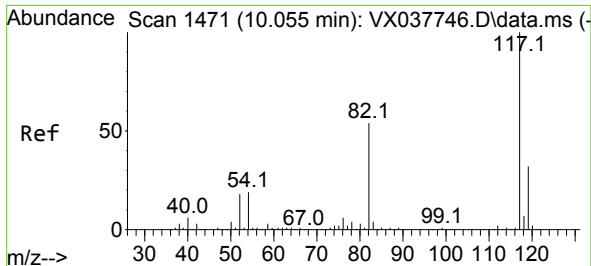
Tgt Ion: 43 Resp: 30260
Ion Ratio Lower Upper
43 100
58 19.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 54.540 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion: 95 Resp: 123714
Ion Ratio Lower Upper
95 100
174 79.2 0.0 135.6
176 77.0 0.0 131.0

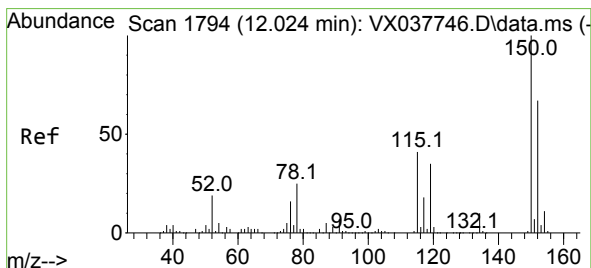
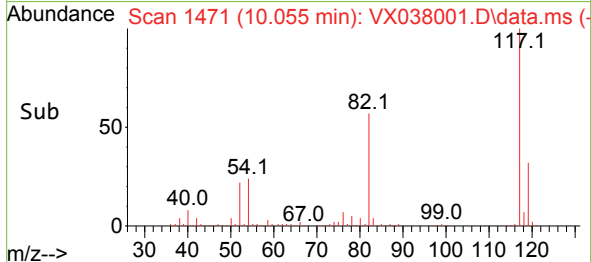
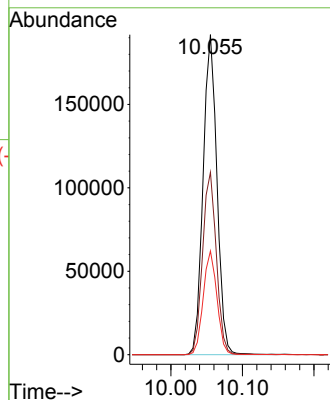
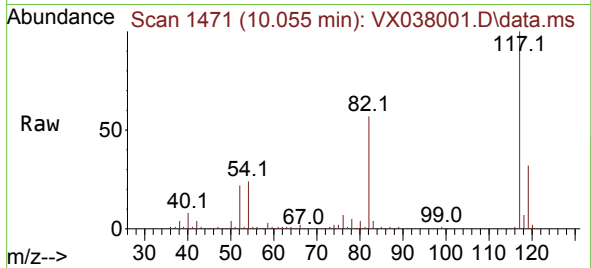




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

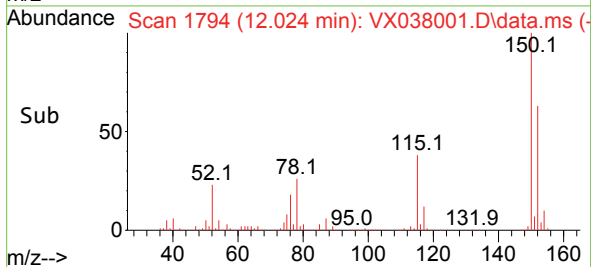
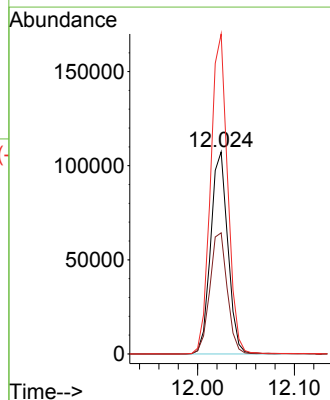
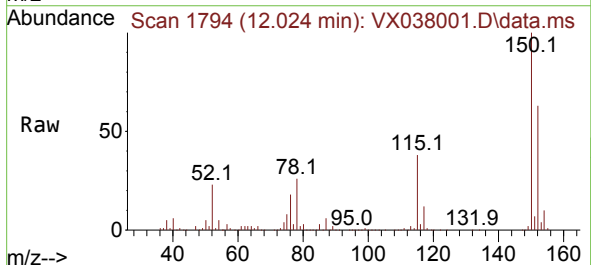
Instrument :
MSVOA_X
ClientSampleId :

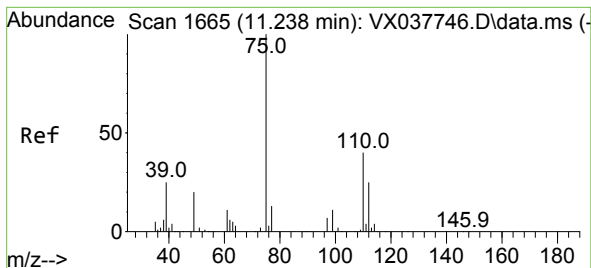
Tgt Ion:117 Resp: 258480
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038001.D
Acq: 30 Sep 2023 14:08

Tgt Ion:152 Resp: 132692
Ion Ratio Lower Upper
152 100
115 61.0 43.3 129.9
150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.728 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038001.D

Acq: 30 Sep 2023 14:08

Instrument :

MSVOA_X

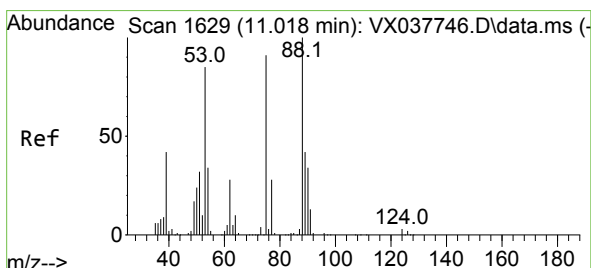
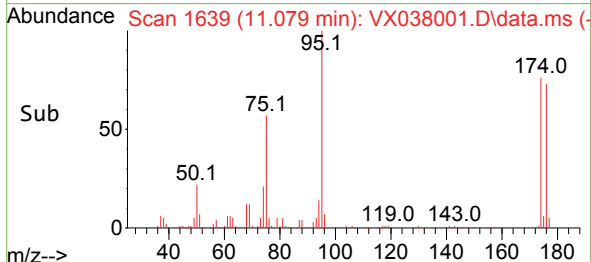
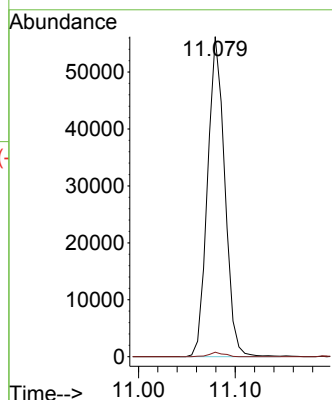
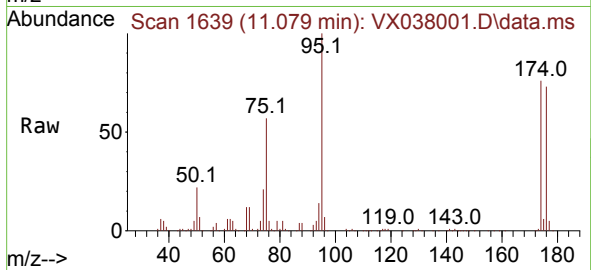
ClientSampleId :

Tgt Ion: 75 Resp: 69752

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.805 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038001.D

Acq: 30 Sep 2023 14:08

Tgt Ion: 75 Resp: 69752

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

