

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039475.D
 Acq On : 26 Dec 2023 18:06
 Operator : JC/MD
 Sample : PB158014ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:42:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

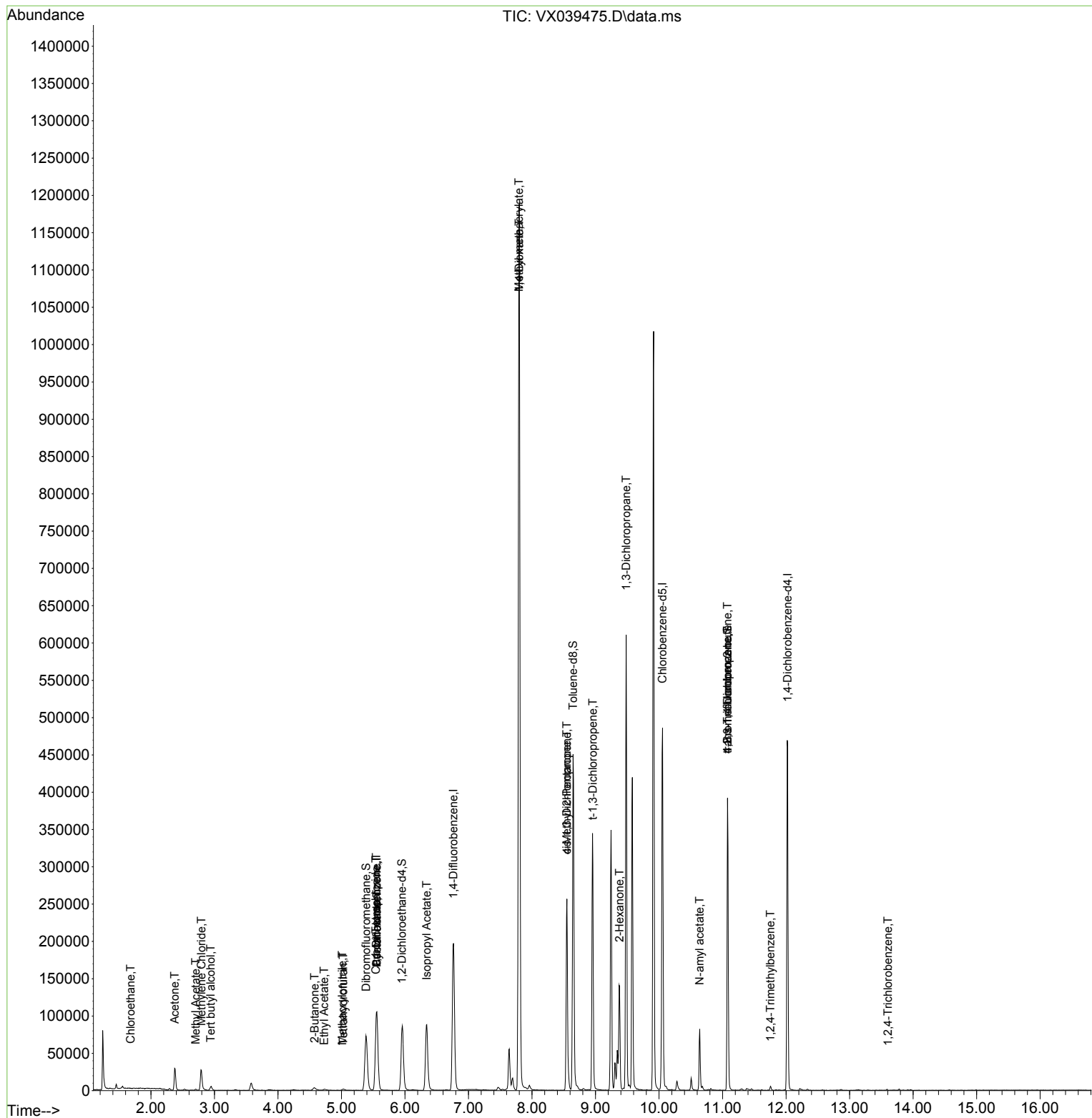
Internal Standards						
1) Pentafluorobenzene	5.555	168	91226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82157	49.161	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.320%		
35) Dibromofluoromethane	5.385	113	63591	47.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.360%		
50) Toluene-d8	8.646	98	256338	51.226	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.460%		
62) 4-Bromofluorobenzene	11.079	95	107216	51.930	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.860%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.678	64	331	0.416	ug/l #	43
11) Tert butyl alcohol	2.940	59	3659	8.719	ug/l #	80
16) Acetone	2.373	43	31522	10.050	ug/l	96
18) Methyl Acetate	2.702	43	1824	0.505	ug/l	91
20) Methylene Chloride	2.794	84	13193	9.470	ug/l	97
25) 2-Butanone	4.574	43	5622	3.898	ug/l	99
29) Tetrahydrofuran	5.025	42	1449	1.819	ug/l #	57
31) Cyclohexane	5.555	56	2558	1.185	ug/l #	14
36) 1,1-Dichloropropene	5.549	75	9008	4.235	ug/l #	49
37) Ethyl Acetate	4.726	43	2719	1.035	ug/l #	90
38) Carbon Tetrachloride	5.543	117	10537	5.191	ug/l #	14
41) Methacrylonitrile	5.013	41	605	0.432	ug/l #	25
43) Isopropyl Acetate	6.342	43	125217	29.303	ug/l	99
48) Methyl methacrylate	7.793	41	108677	43.503	ug/l #	48
49) 1,4-Dioxane	7.799	88	144	4.276	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	93897	34.488	ug/l #	51
53) t-1,3-Dichloropropene	8.957	75	764	0.320	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37392	14.544	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	4681	1.786	ug/l #	42
59) 2-Hexanone	9.378	43	110314	46.947	ug/l #	26
74) N-amyl acetate	10.640	43	20581	5.882	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	58880	25.391	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58880	71.629	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2306	0.382	ug/l	99
93) 1,2,4-Trichlorobenzene	13.603	180	419	0.223	ug/l #	76

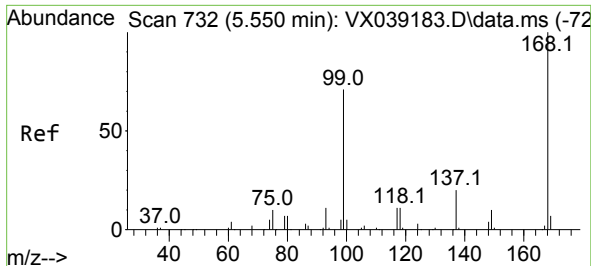
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
Data File : VX039475.D
Acq On : 26 Dec 2023 18:06
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

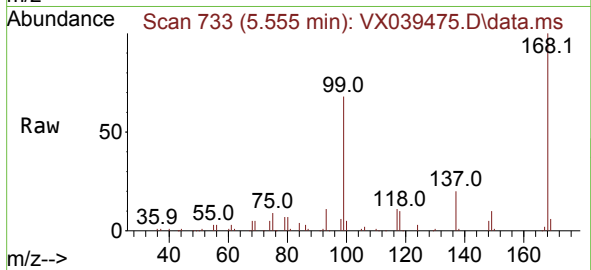
Quant Time: Dec 27 04:42:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
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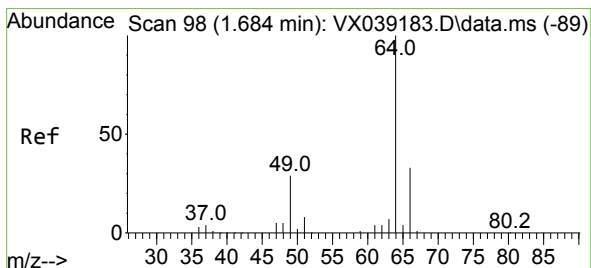
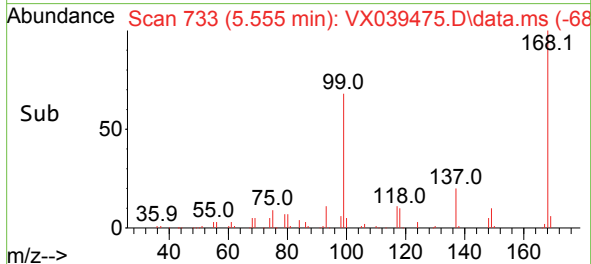
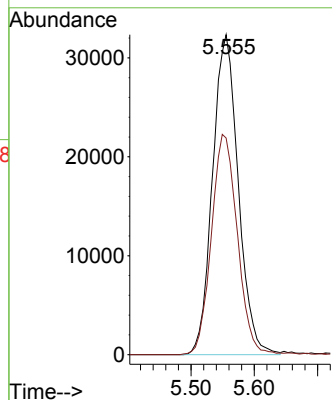


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Instrument :
MSVOA_X
ClientSampleId :

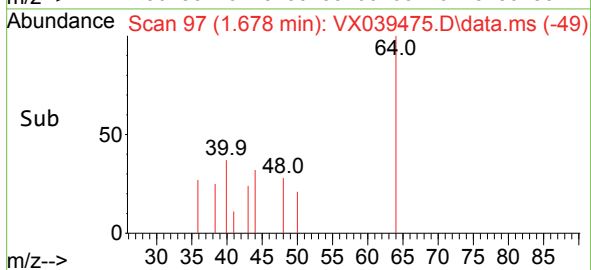
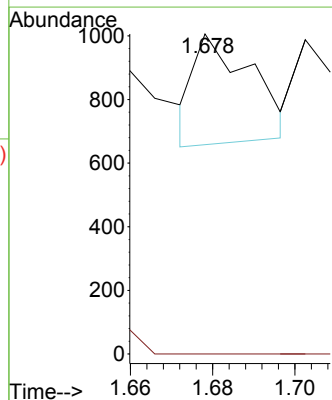
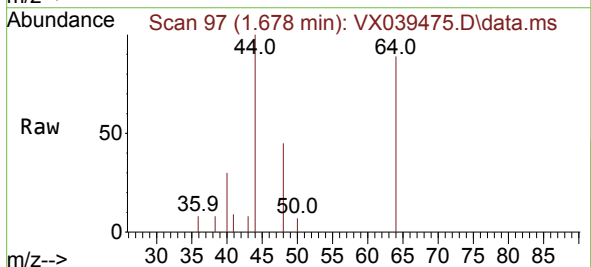


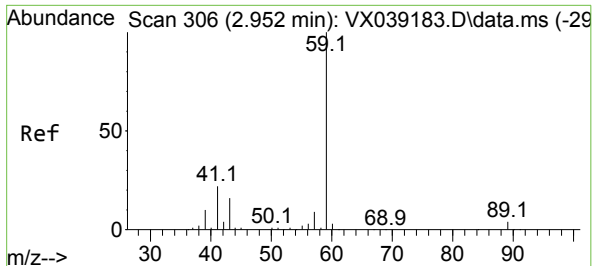
Tgt Ion:168 Resp: 91226
Ion Ratio Lower Upper
168 100
99 67.7 56.6 85.0



#6
Chloroethane
Concen: 0.416 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion: 64 Resp: 331
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 8.719 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

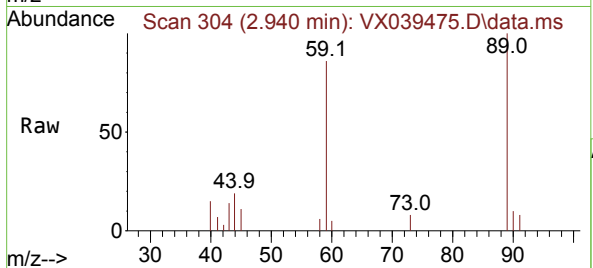
Lab File: VX039475.D

Acq: 26 Dec 2023 18:06

Instrument :

MSVOA_X

ClientSampleId :

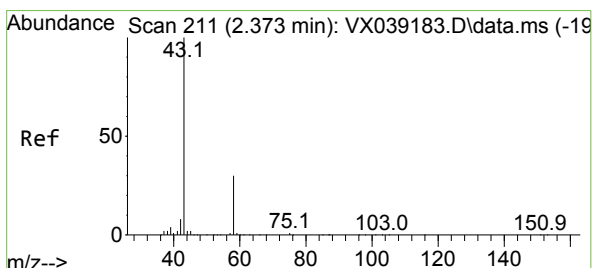
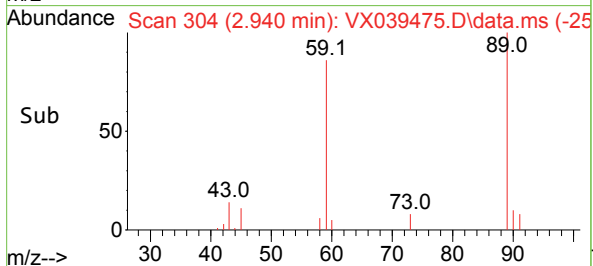
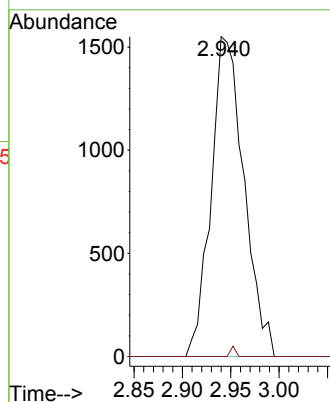


Tgt Ion: 59 Resp: 3659

Ion Ratio Lower Upper

59 100

57 0.5 6.0 9.0#



#16

Acetone

Concen: 10.050 ug/l

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX039475.D

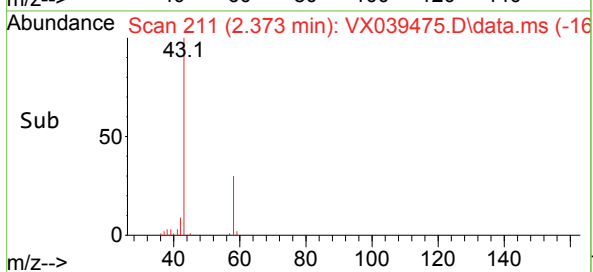
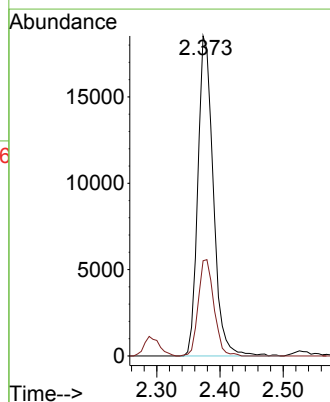
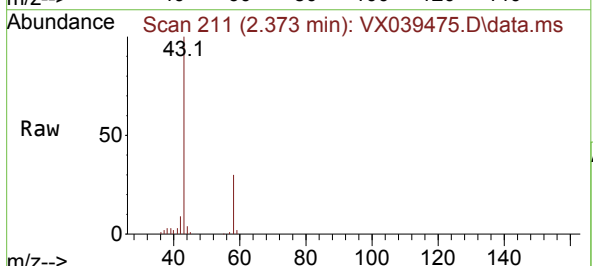
Acq: 26 Dec 2023 18:06

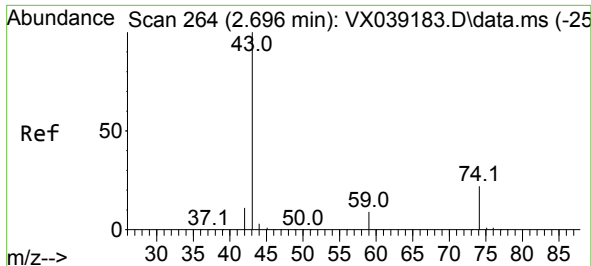
Tgt Ion: 43 Resp: 31522

Ion Ratio Lower Upper

43 100

58 29.7 21.9 32.9

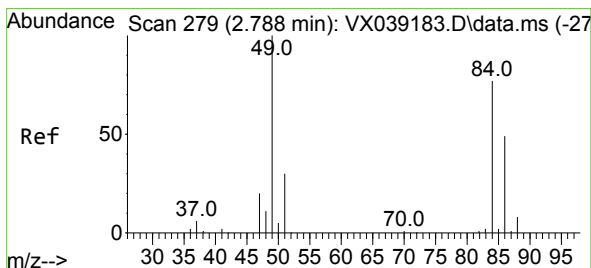
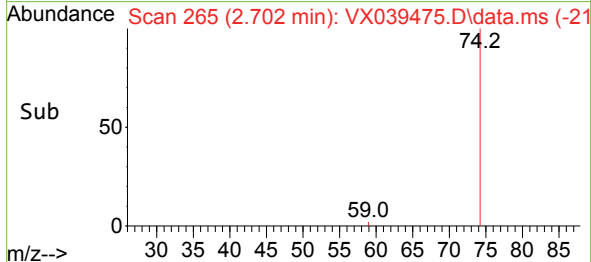
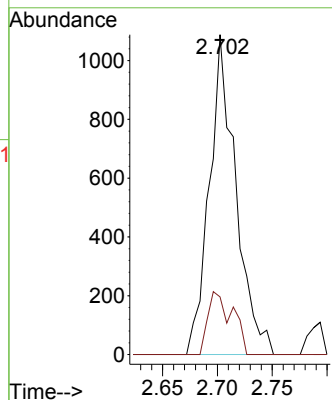
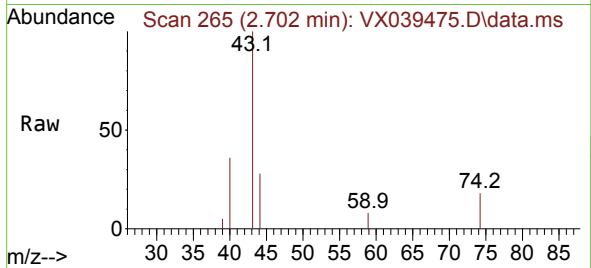




#18
Methyl Acetate
Concen: 0.505 ug/l
RT: 2.702 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

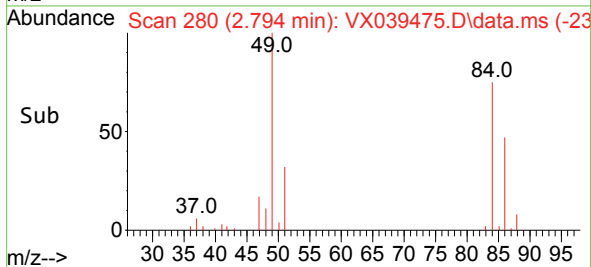
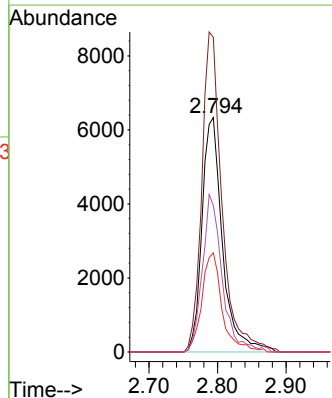
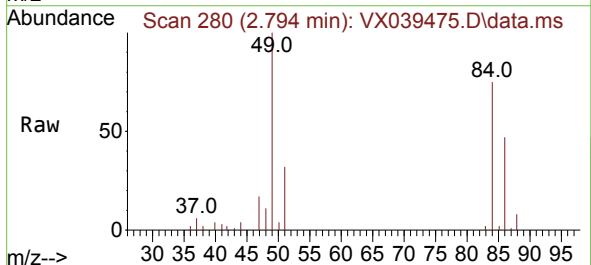
Instrument :
MSVOA_X
ClientSampleId :

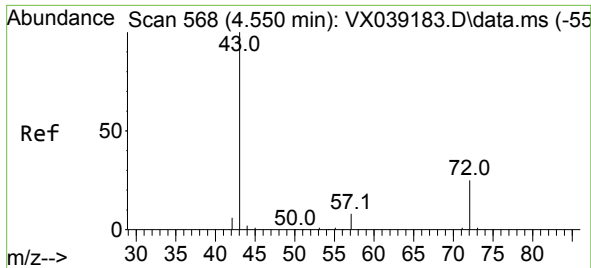
Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
74 18.2 17.8 26.8



#20
Methylene Chloride
Concen: 9.470 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion: 84 Resp: 13193
Ion Ratio Lower Upper
84 100
49 134.1 103.6 155.4
51 42.3 33.8 50.6
86 62.5 49.4 74.0

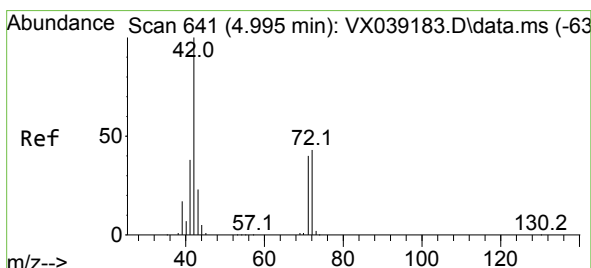
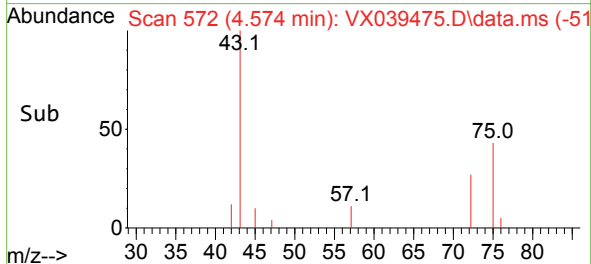
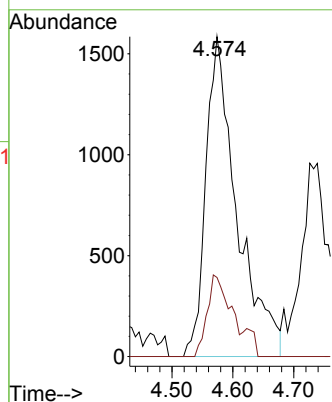
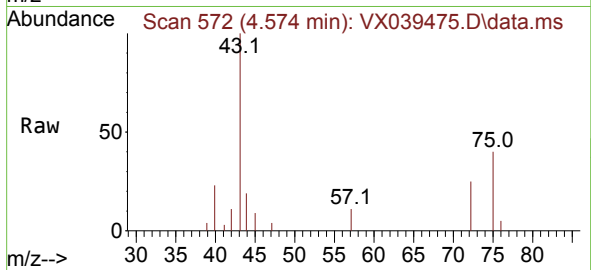




#25
2-Butanone
Concen: 3.898 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

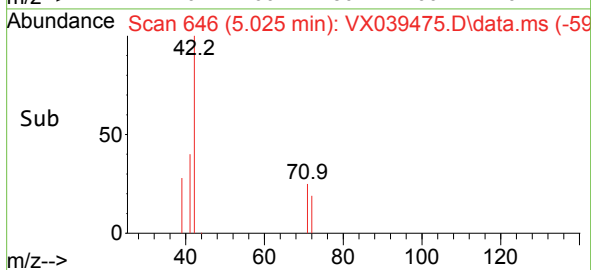
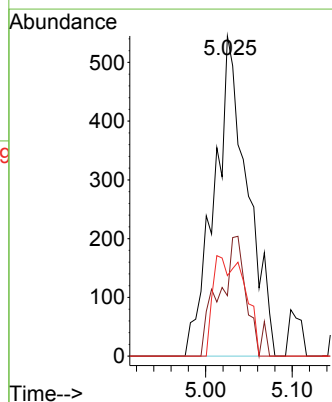
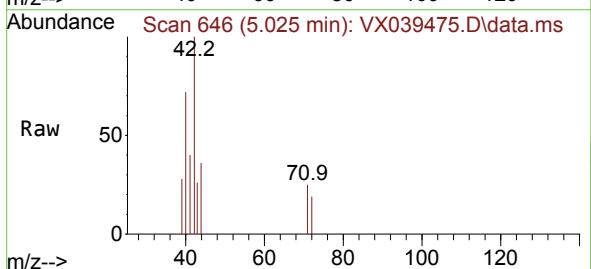
Instrument :
MSVOA_X
ClientSampleId :

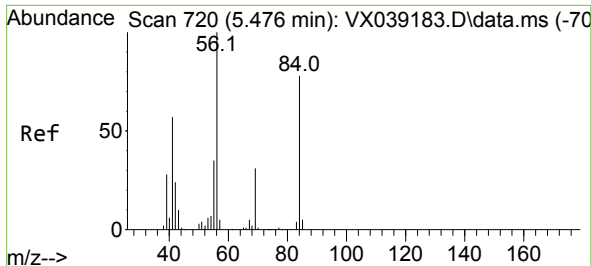
Tgt Ion: 43 Resp: 5622
Ion Ratio Lower Upper
43 100
72 24.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.819 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.030 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

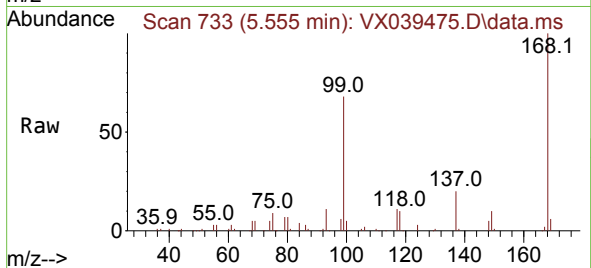
Tgt Ion: 42 Resp: 1449
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 29.9 32.2 48.2#



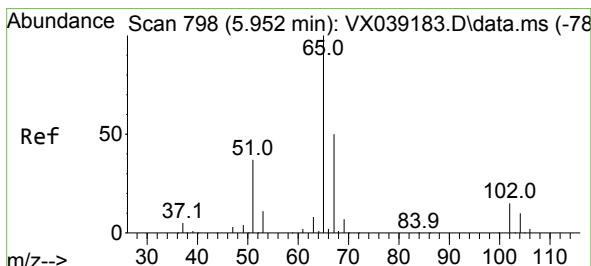
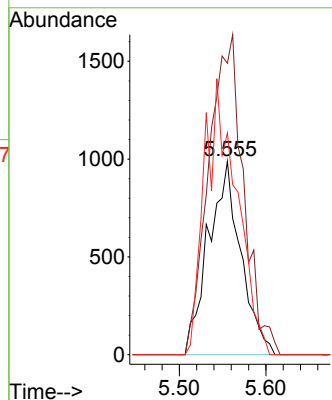
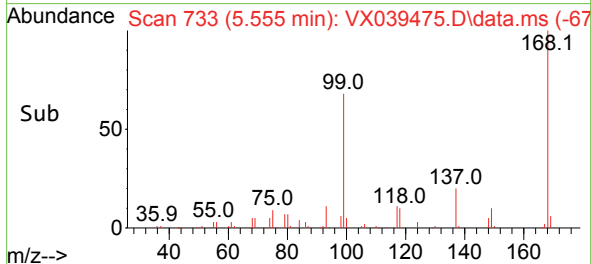


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.555 min Scan# 713
Delta R.T. 0.079 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Instrument :
MSVOA_X
ClientSampleId :

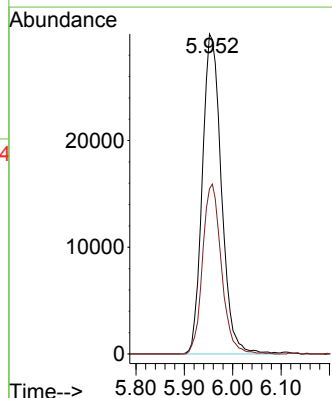
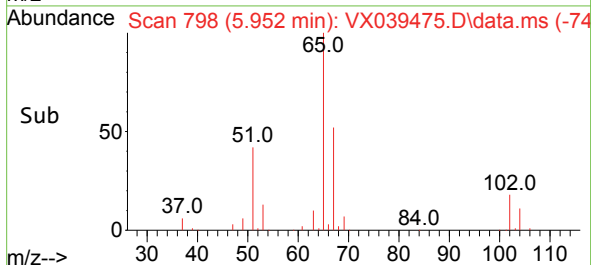
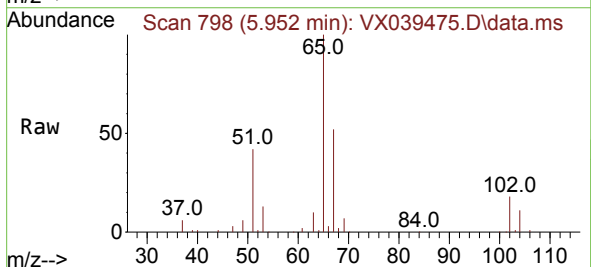


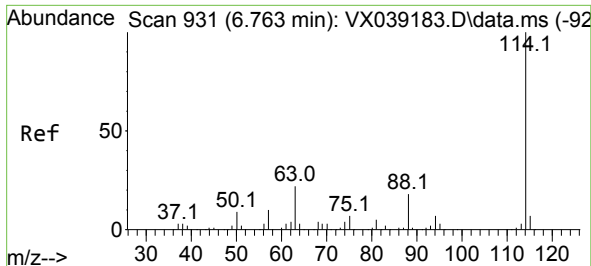
Tgt Ion: 56 Resp: 2558
Ion Ratio Lower Upper
56 100
69 150.7 23.4 35.2#
84 114.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.161 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion: 65 Resp: 82157
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2

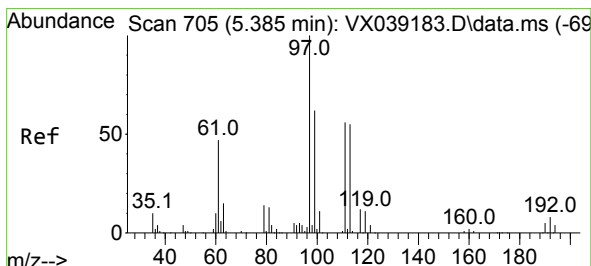
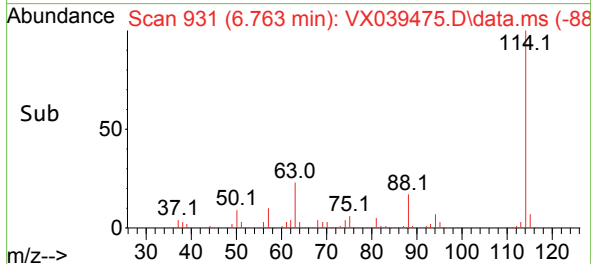
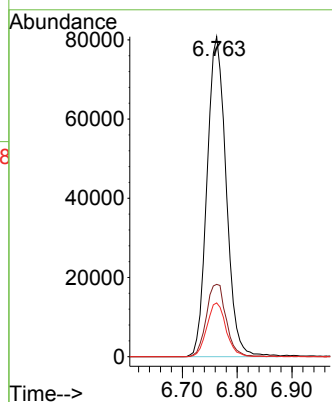
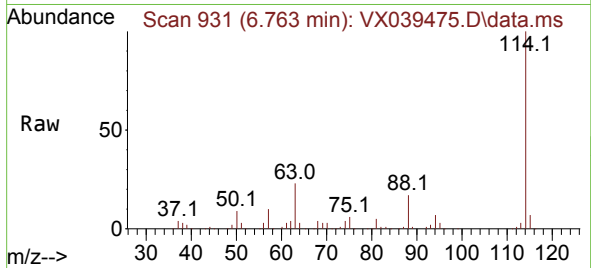




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

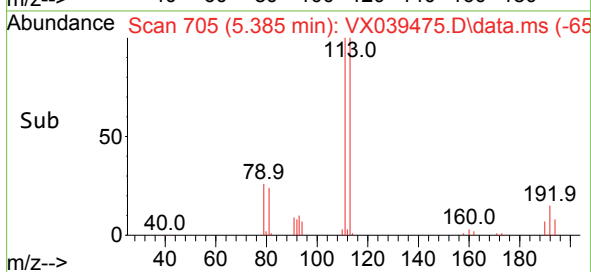
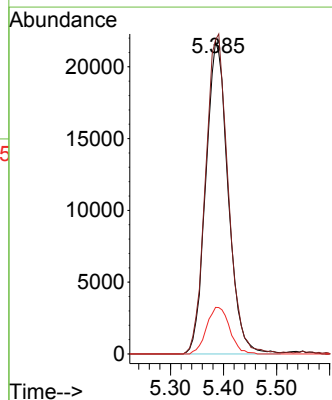
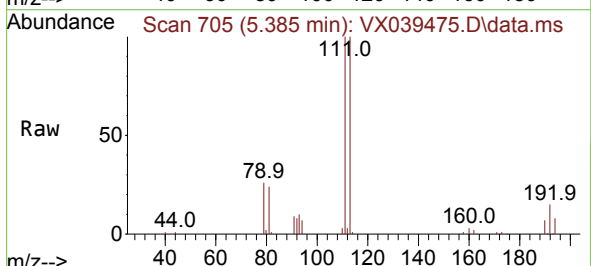
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MSVOA_X
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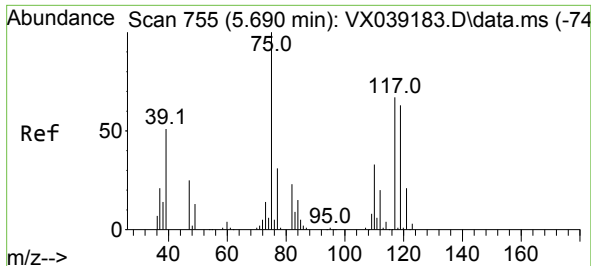
Tgt Ion:114 Resp: 195104
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.179 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion:113 Resp: 63591
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 15.4 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.235 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.140 min

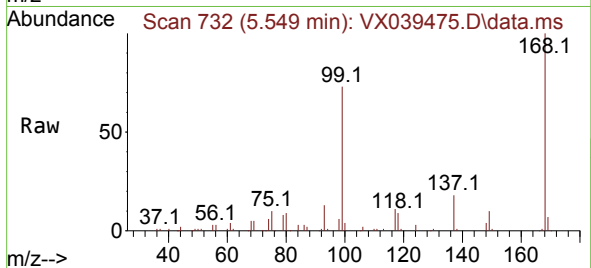
Lab File: VX039475.D

Acq: 26 Dec 2023 18:06

Instrument :

MSVOA_X

ClientSampleId :



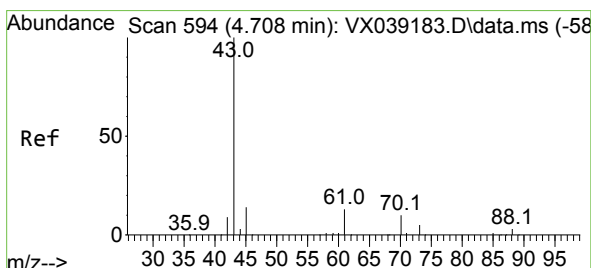
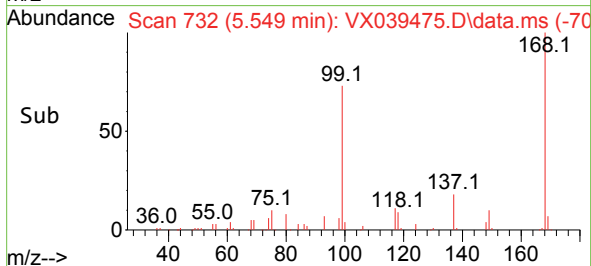
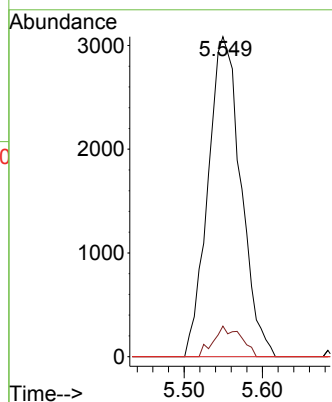
Tgt Ion: 75 Resp: 9008

Ion Ratio Lower Upper

75 100

110 7.8 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.035 ug/l

RT: 4.726 min Scan# 597

Delta R.T. 0.018 min

Lab File: VX039475.D

Acq: 26 Dec 2023 18:06

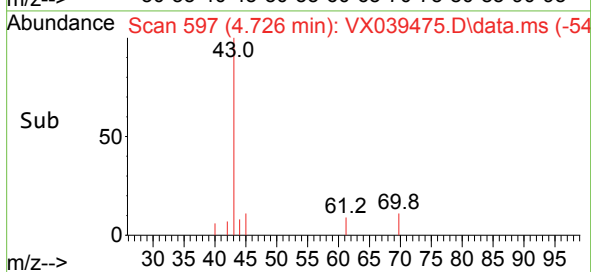
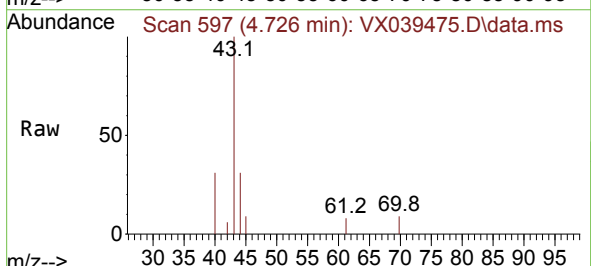
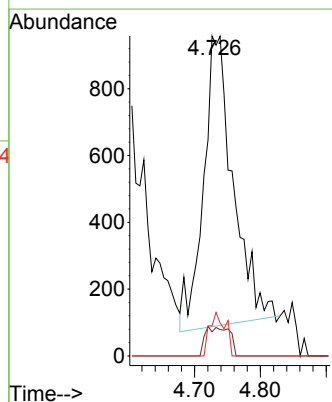
Tgt Ion: 43 Resp: 2719

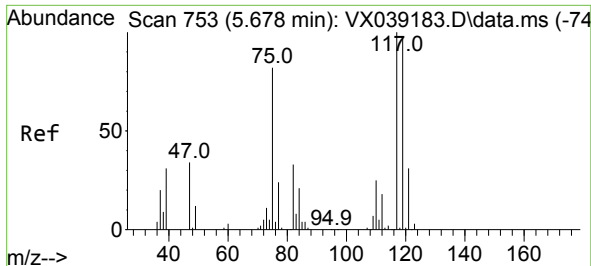
Ion Ratio Lower Upper

43 100

61 8.2 10.6 16.0#

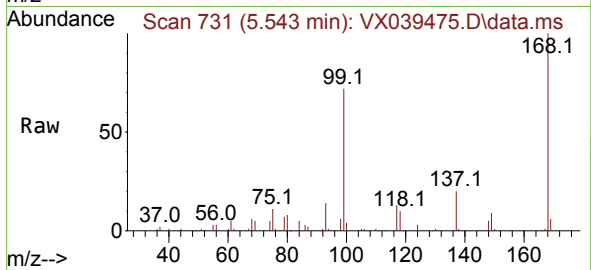
70 8.0 8.3 12.5#



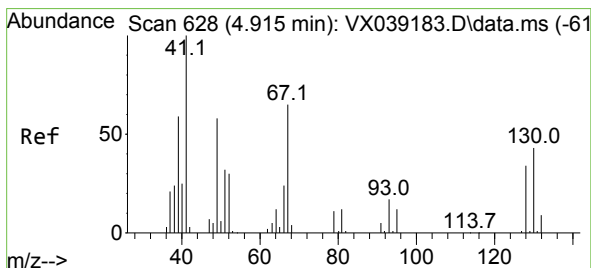
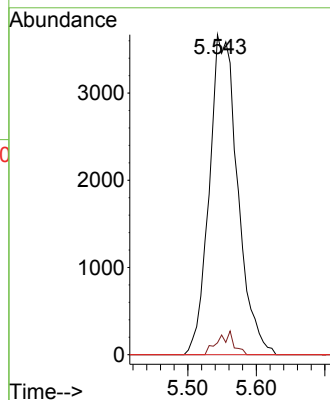
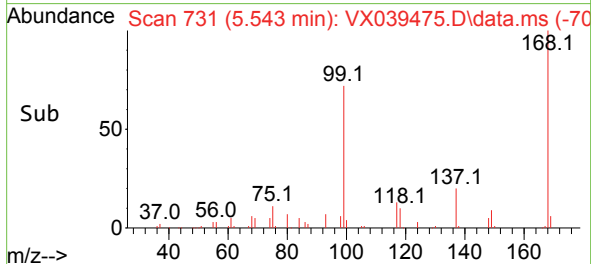


#38
Carbon Tetrachloride
Concen: 5.191 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Instrument :
MSVOA_X
ClientSampleId :

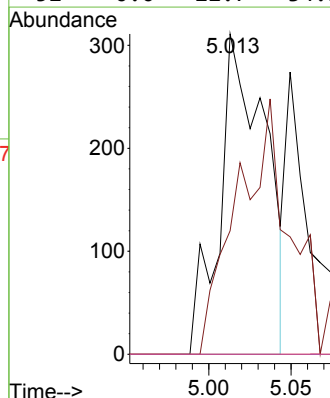
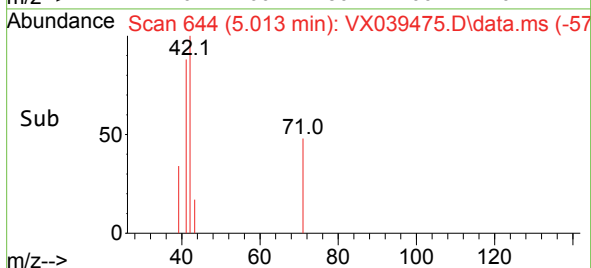
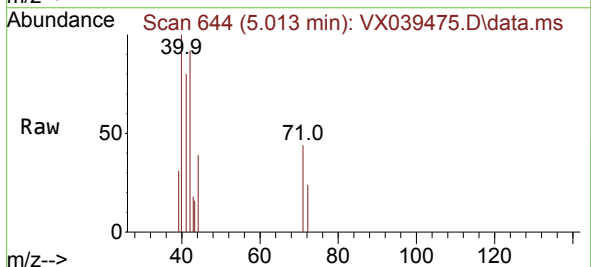


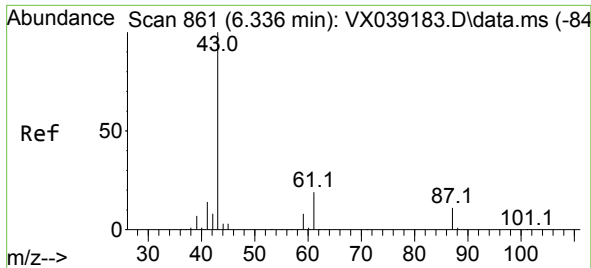
Tgt Ion:117 Resp: 10537
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.432 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.097 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion: 41 Resp: 605
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

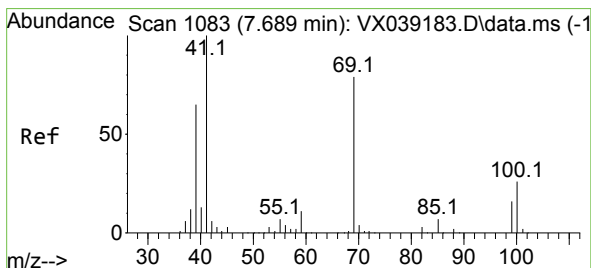
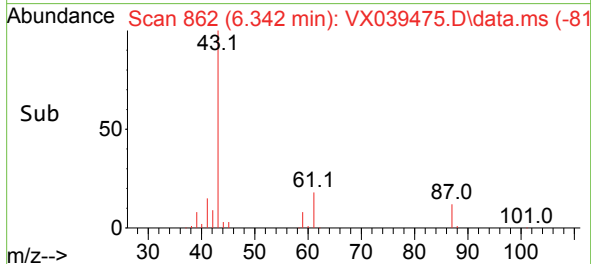
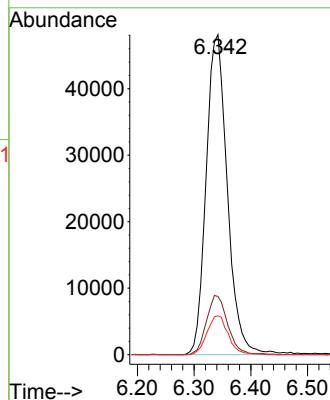
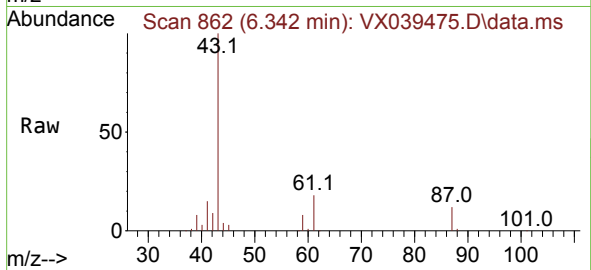




#43
Isopropyl Acetate
Concen: 29.303 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

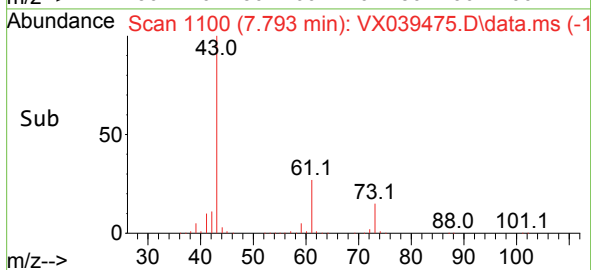
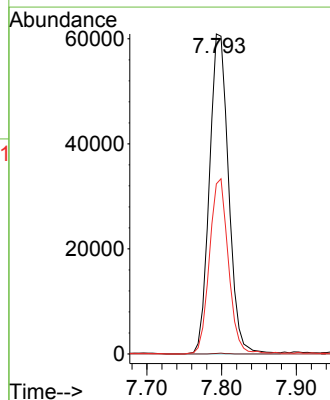
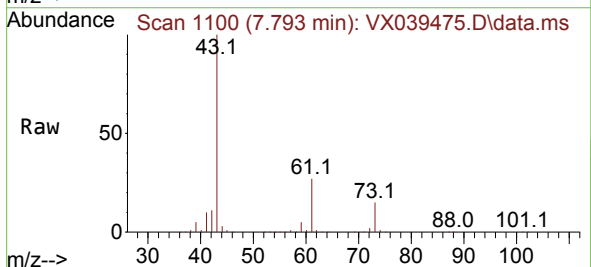
Instrument :
MSVOA_X
ClientSampleId :

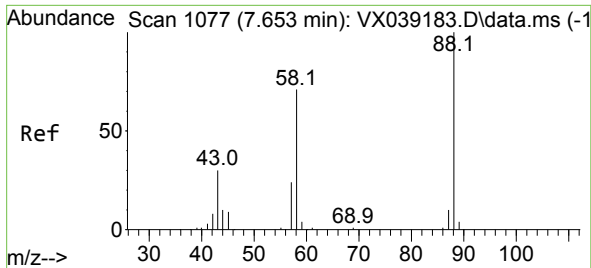
Tgt Ion: 43 Resp: 125217
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.1 9.8 14.6



#48
Methyl methacrylate
Concen: 43.503 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion: 41 Resp: 108677
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.0 47.7 71.5

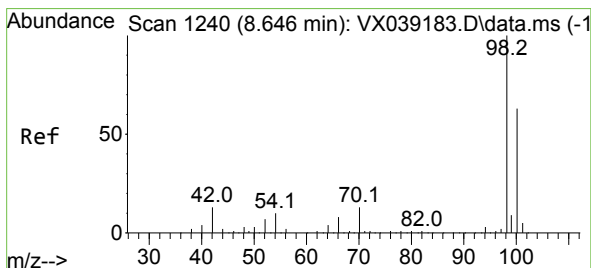
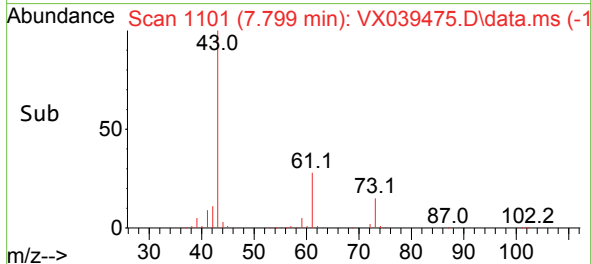
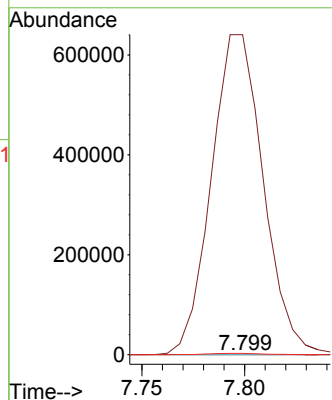
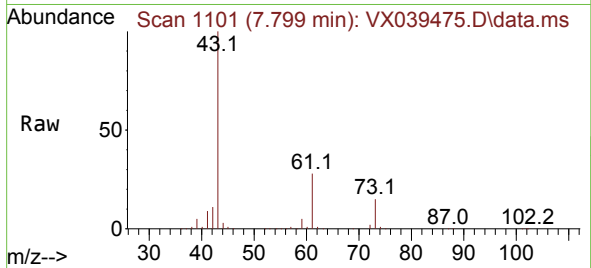




#49
1,4-Dioxane
Concen: 4.276 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.146 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

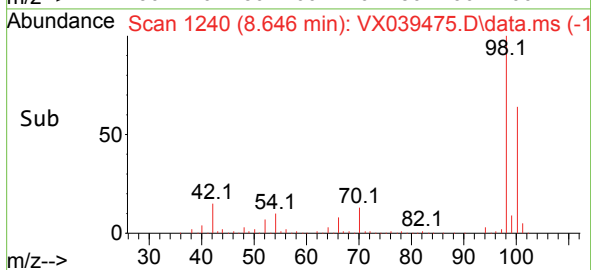
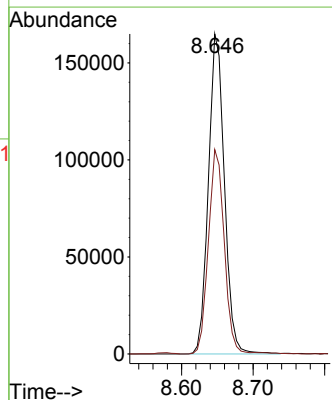
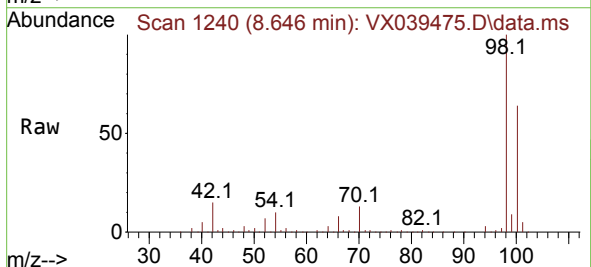
Instrument :
MSVOA_X
ClientSampleId :

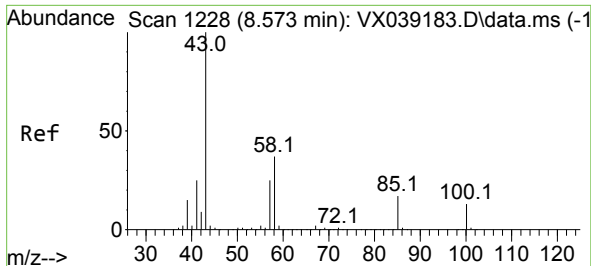
Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 790579.9 0.0 0.0#
58 3345.8 60.1 90.1#



#50
Toluene-d8
Concen: 51.226 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion: 98 Resp: 256338
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

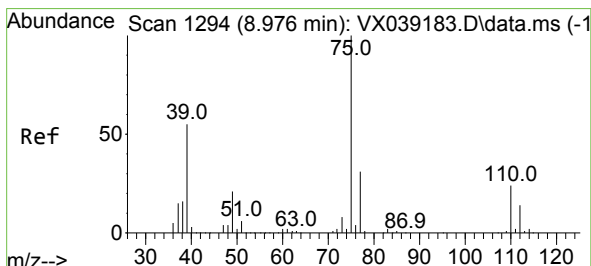
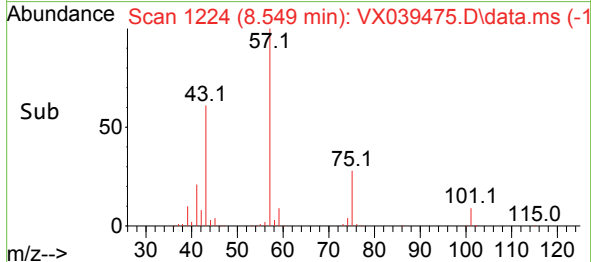
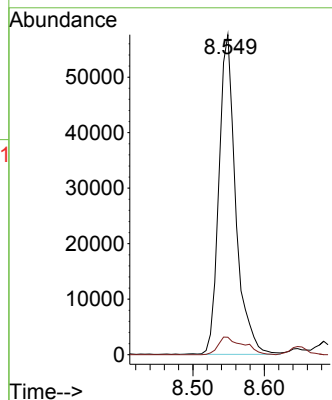
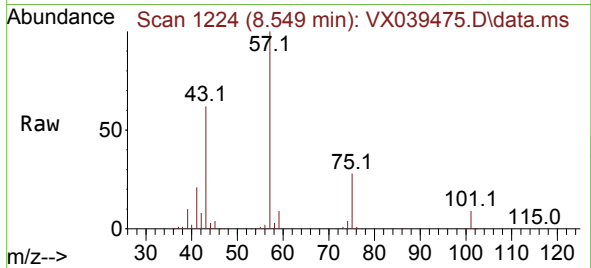




#51
4-Methyl-2-Pentanone
Concen: 34.488 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

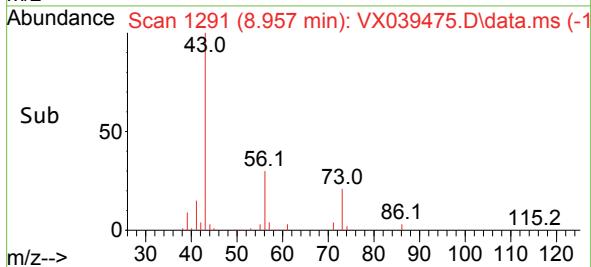
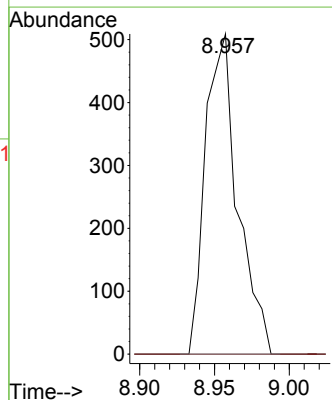
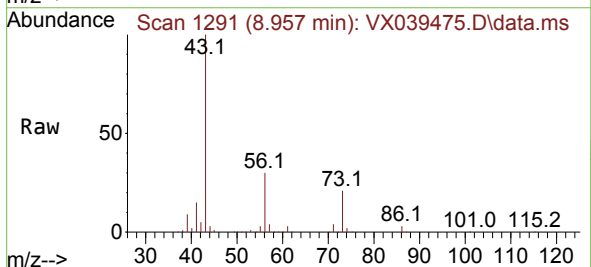
Instrument :
MSVOA_X
ClientSampleId :

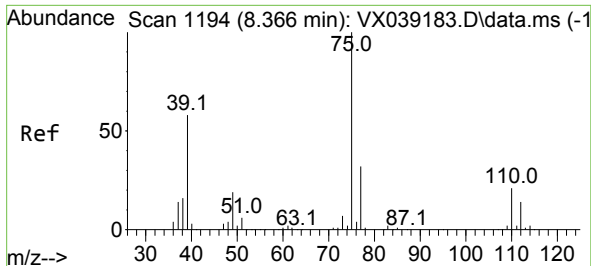
Tgt Ion: 43 Resp: 93897
Ion Ratio Lower Upper
43 100
58 8.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.320 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion: 75 Resp: 764
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

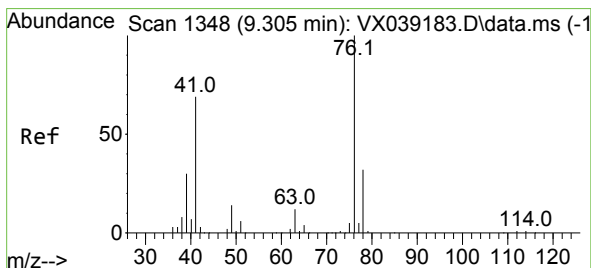
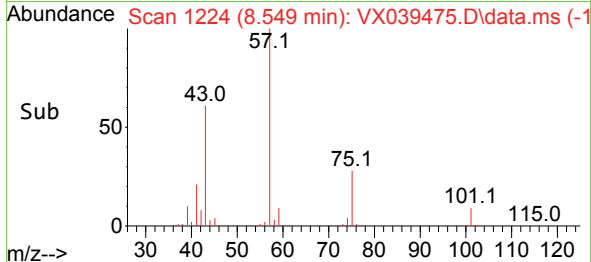
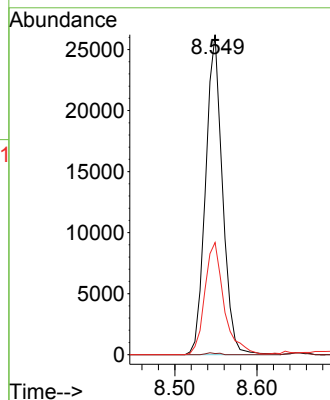
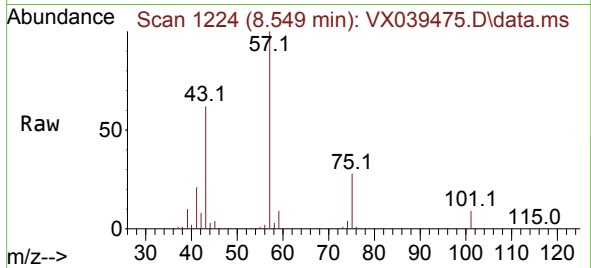




#54
 cis-1,3-Dichloropropene
 Concen: 14.544 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX039475.D
 Acq: 26 Dec 2023 18:06

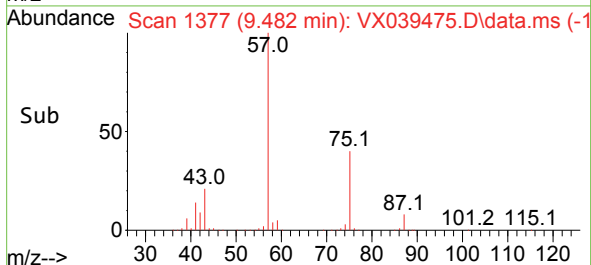
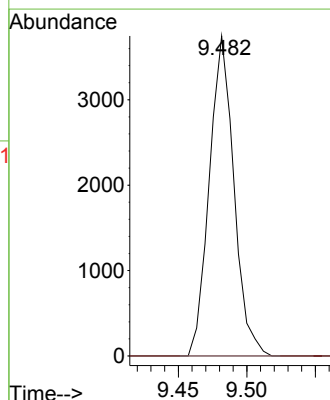
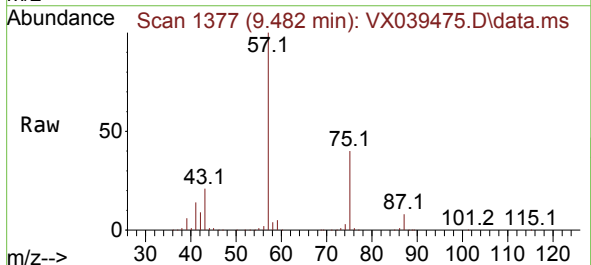
Instrument :
 MSVOA_X
 ClientSampleId :

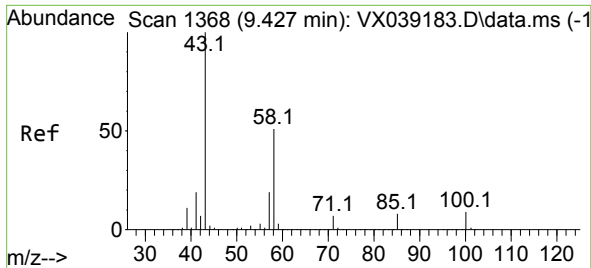
Tgt Ion: 75 Resp: 37392
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 35.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.786 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX039475.D
 Acq: 26 Dec 2023 18:06

Tgt Ion: 76 Resp: 4681
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

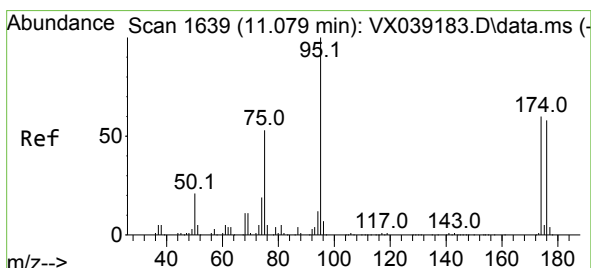
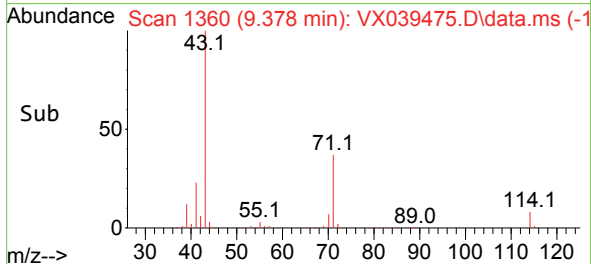
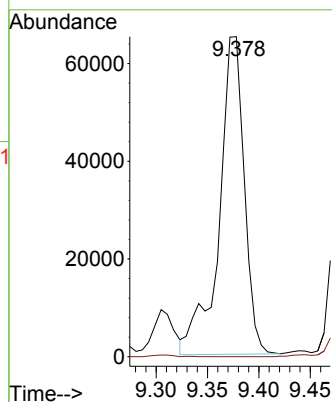
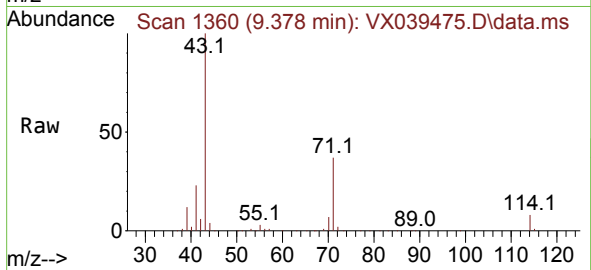




#59
2-Hexanone
Concen: 46.947 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

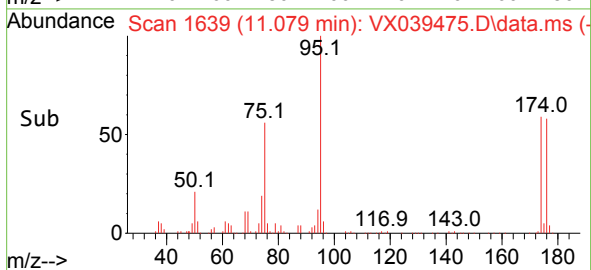
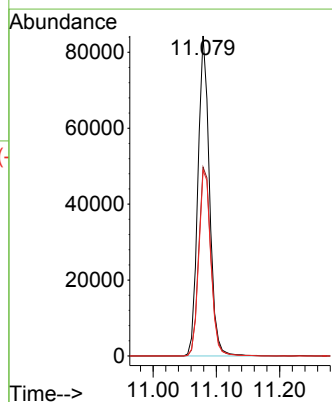
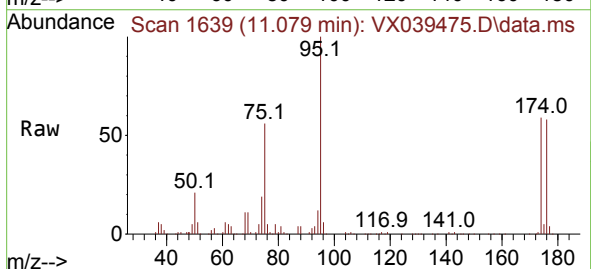
Instrument :
MSVOA_X
ClientSampleId :

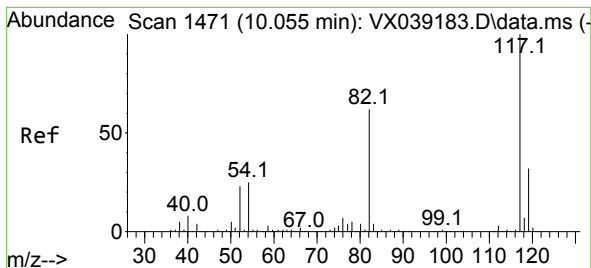
Tgt Ion: 43 Resp: 110314
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

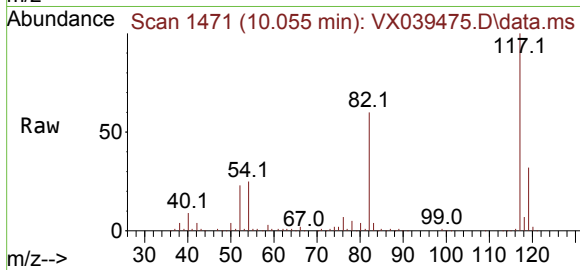
Tgt Ion: 95 Resp: 107216
Ion Ratio Lower Upper
95 100
174 62.6 0.0 135.6
176 60.6 0.0 131.0



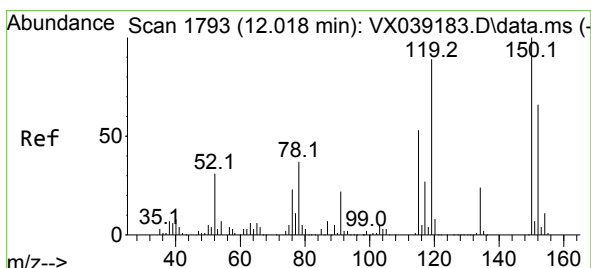
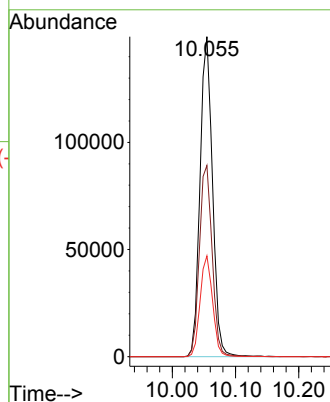
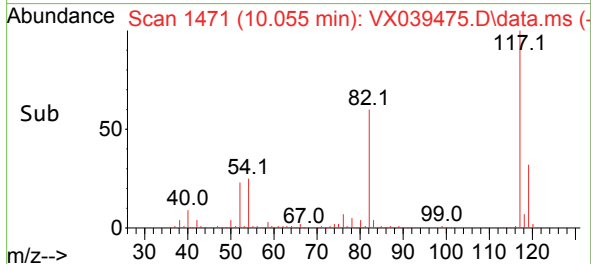


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Instrument :
MSVOA_X
ClientSampleId :

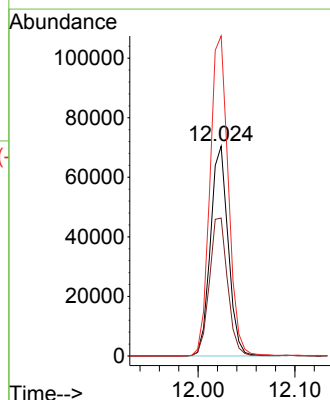
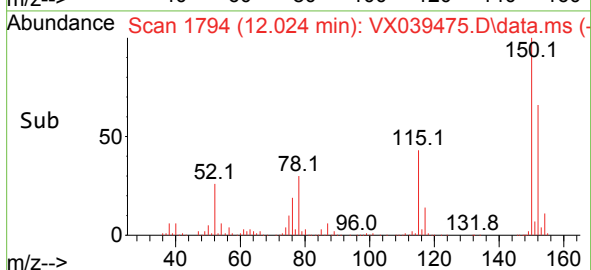
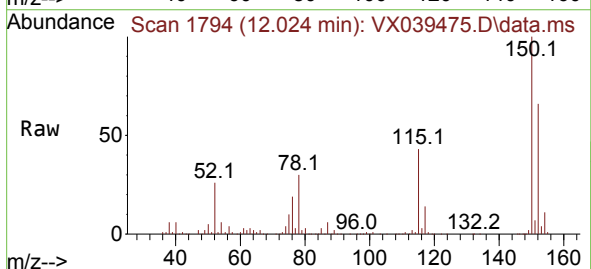


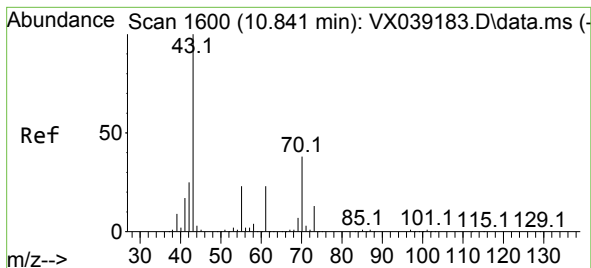
Tgt Ion:117 Resp: 205277
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion:152 Resp: 89631
Ion Ratio Lower Upper
152 100
115 67.5 43.3 129.9
150 157.7 0.0 345.0





#74

N-amy1 acetate

Concen: 5.882 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

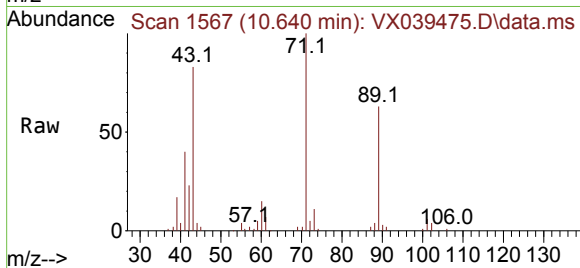
Lab File: VX039475.D

Acq: 26 Dec 2023 18:06

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 20581

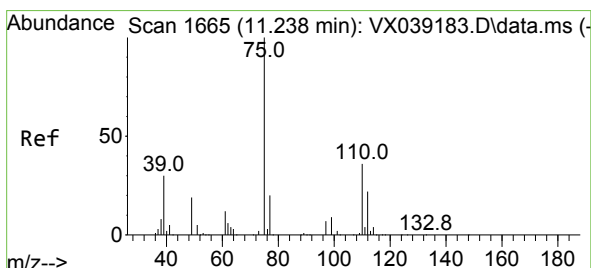
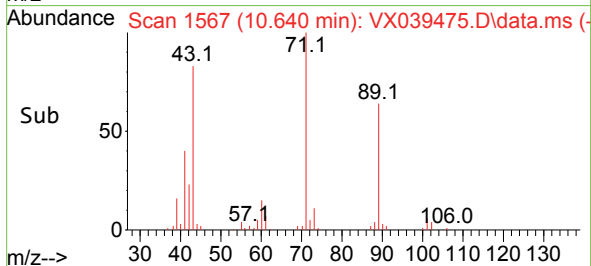
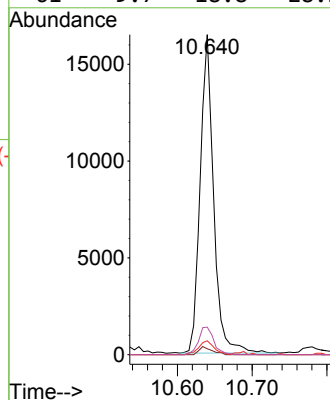
Ion Ratio Lower Upper

43 100

70 2.4 32.9 49.3#

55 5.0 19.3 28.9#

61 9.7 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.391 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039475.D

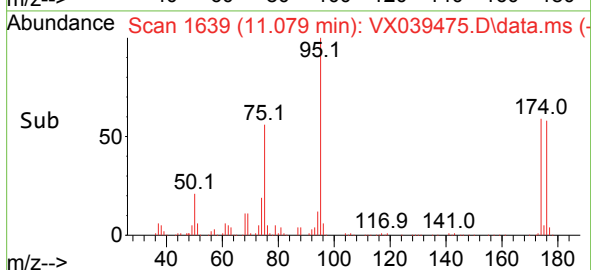
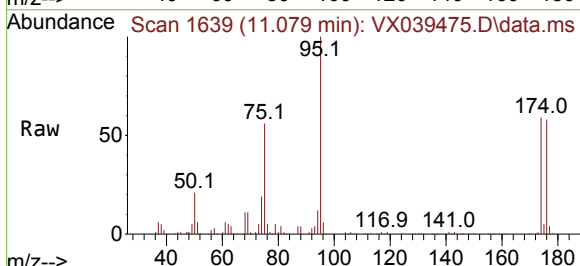
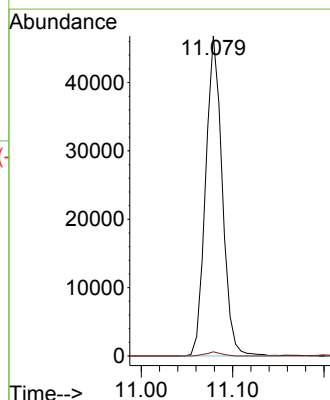
Acq: 26 Dec 2023 18:06

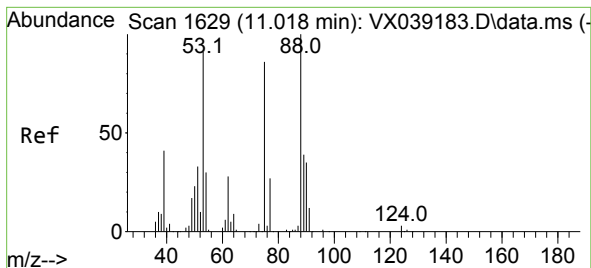
Tgt Ion: 75 Resp: 58880

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

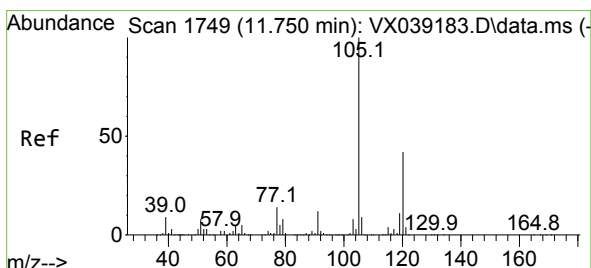
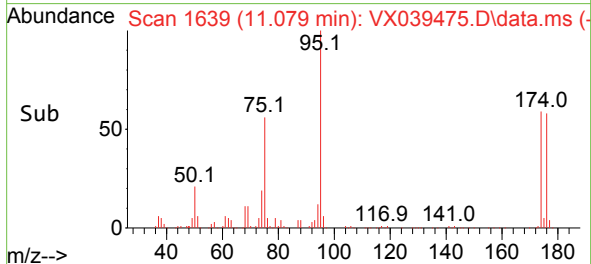
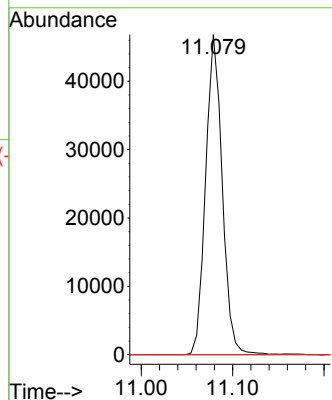
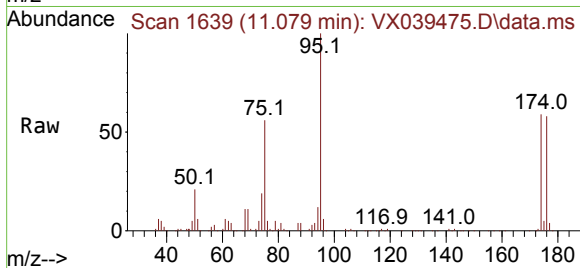




#81
trans-1,4-Dichloro-2-butene
Concen: 71.629 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

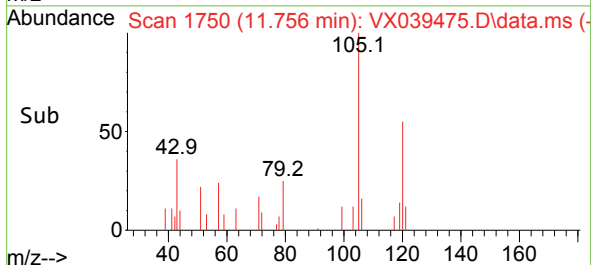
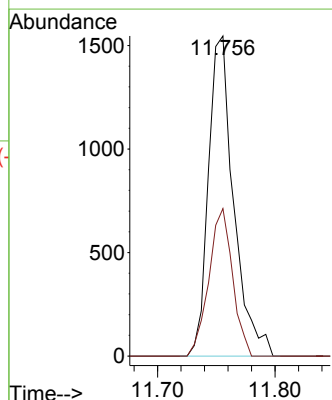
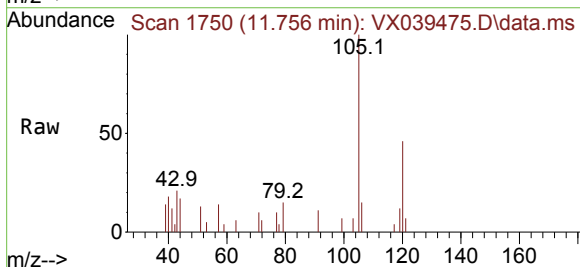
Instrument :
MSVOA_X
ClientSampleId :

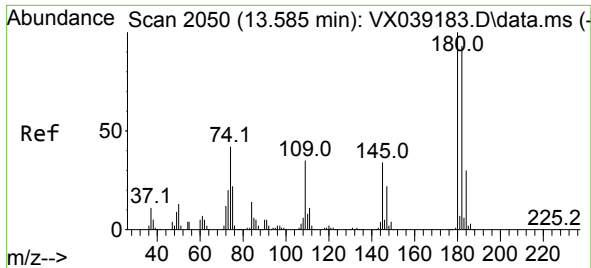
Tgt Ion: 75 Resp: 58880
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.382 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039475.D
Acq: 26 Dec 2023 18:06

Tgt Ion:105 Resp: 2306
Ion Ratio Lower Upper
105 100
120 43.2 21.2 63.6





#93

1,2,4-Trichlorobenzene

Concen: 0.223 ug/l

RT: 13.603 min Scan# 2053

Delta R.T. 0.018 min

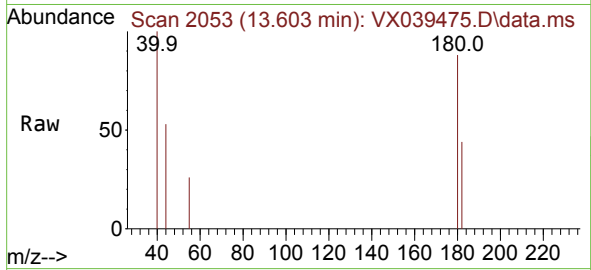
Lab File: VX039475.D

Acq: 26 Dec 2023 18:06

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 419

Ion Ratio Lower Upper

180 100

182 109.3 48.3 144.8

145 4.8 18.0 54.0#

