

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039480.D
 Acq On : 26 Dec 2023 20:00
 Operator : JC/MD
 Sample : PB158014ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:44:06 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

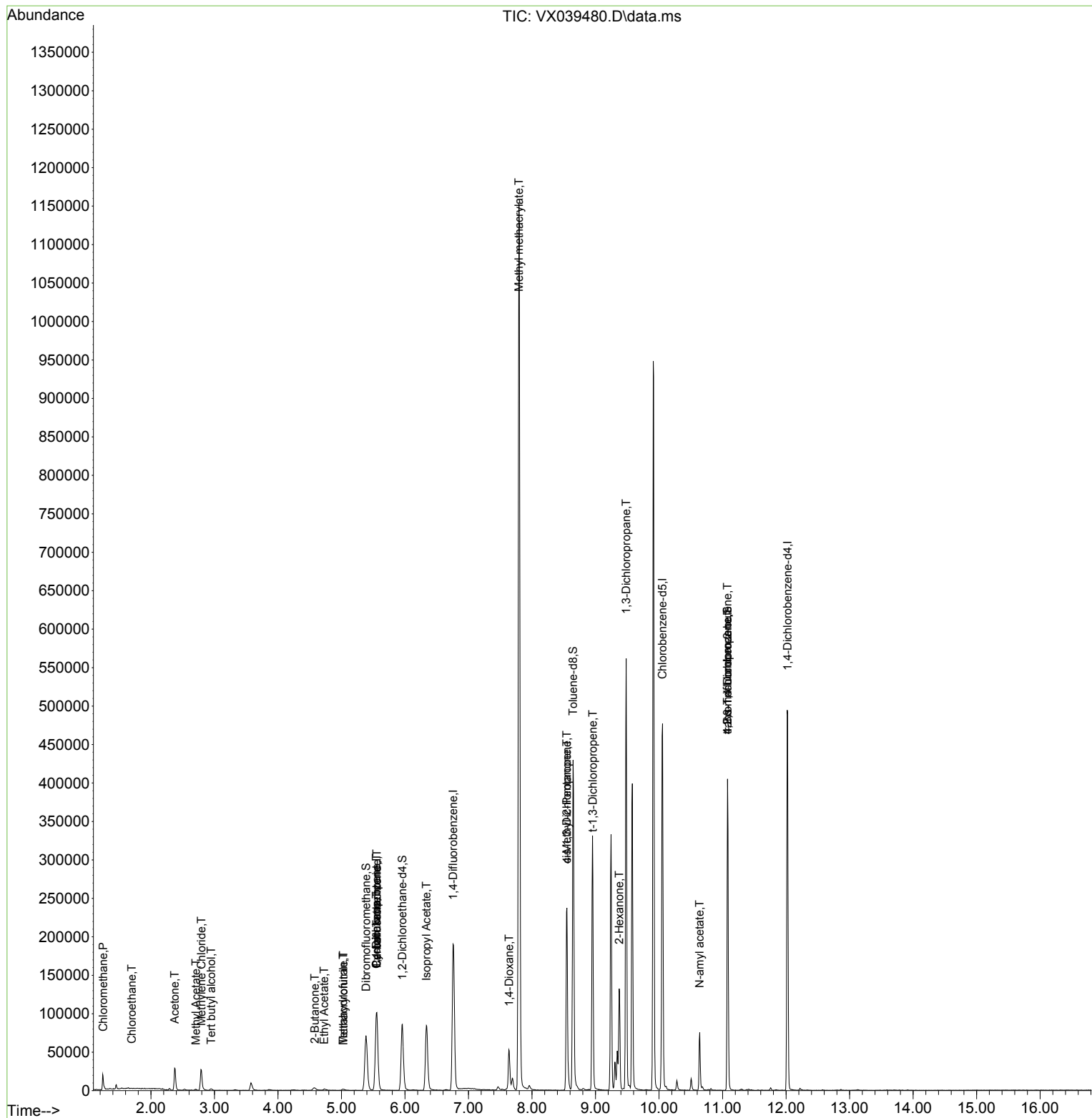
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	88110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81109	50.250	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.500%			
35) Dibromofluoromethane	5.385	113	61428	47.096	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.200%			
50) Toluene-d8	8.647	98	248328	51.283	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.560%			
62) 4-Bromofluorobenzene	11.079	95	107840	53.976	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.246	50	382	0.278	ug/l #	43
6) Chloroethane	1.697	64	375	0.487	ug/l #	43
11) Tert butyl alcohol	2.947	59	1789	4.414	ug/l #	78
16) Acetone	2.374	43	30986	10.683	ug/l	93
18) Methyl Acetate	2.709	43	1602	0.459	ug/l #	87
20) Methylene Chloride	2.794	84	12878	9.571	ug/l	91
25) 2-Butanone	4.580	43	4965	3.565	ug/l	99
29) Tetrahydrofuran	5.026	42	1372	1.784	ug/l #	78
31) Cyclohexane	5.550	56	2678	1.285	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	8895	4.322	ug/l #	51
37) Ethyl Acetate	4.727	43	3341	1.314	ug/l #	94
38) Carbon Tetrachloride	5.556	117	10095	5.139	ug/l #	15
41) Methacrylonitrile	5.032	41	859	0.633	ug/l #	51
43) Isopropyl Acetate	6.336	43	120928	29.244	ug/l	99
48) Methyl methacrylate	7.793	41	104287	43.140	ug/l #	49
49) 1,4-Dioxane	7.641	88	19	0.583	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	88454	33.573	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	654	0.283	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36044	14.488	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	4207	1.659	ug/l #	42
59) 2-Hexanone	9.372	43	102975	45.288	ug/l #	26
74) N-amyl acetate	10.640	43	20868	5.542	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	60358	24.184	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60358	68.223	ug/l #	5

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

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MSVOA_X
ClientSampleId :

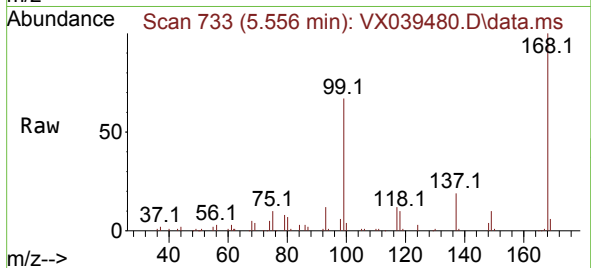
Quant Time: Dec 27 04:44:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
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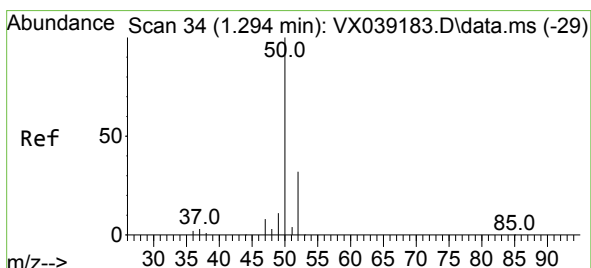
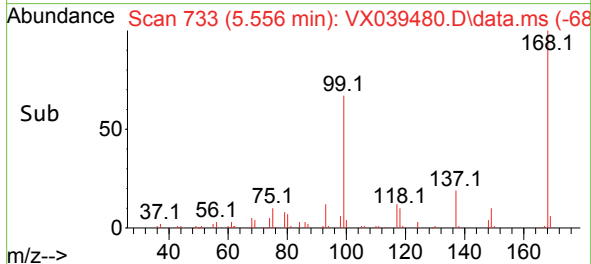
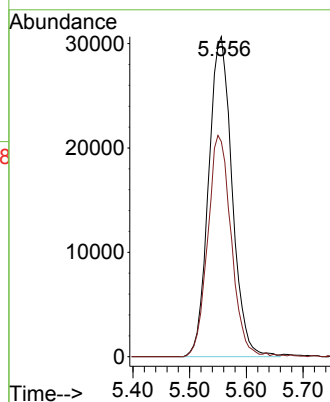


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Instrument :
MSVOA_X
ClientSampleId :

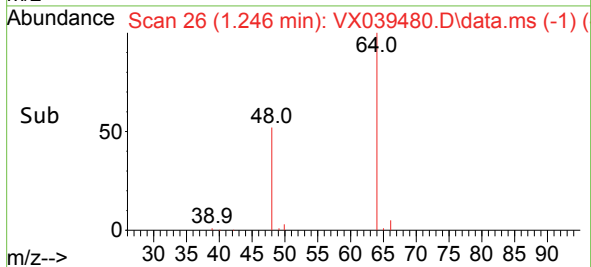
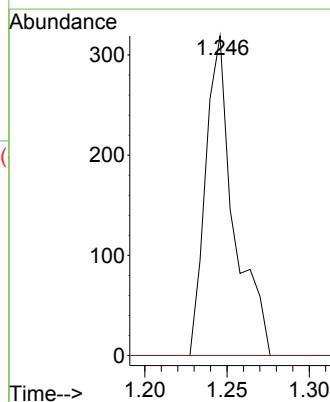
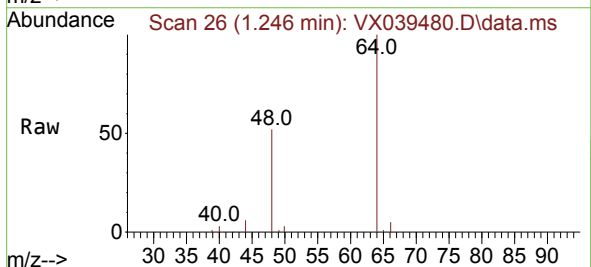


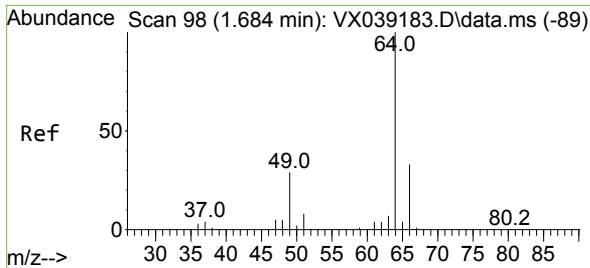
Tgt Ion:168 Resp: 88110
Ion Ratio Lower Upper
168 100
99 67.2 56.6 85.0



#3
Chloromethane
Concen: 0.278 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.048 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

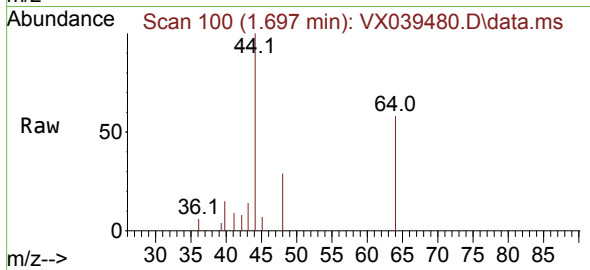
Tgt Ion: 50 Resp: 382
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



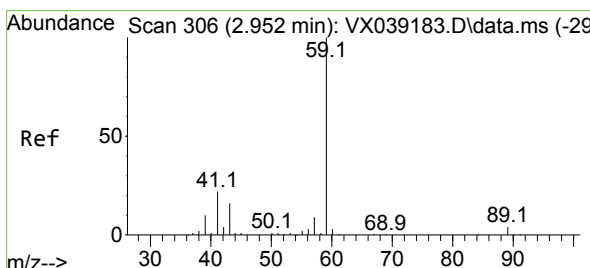
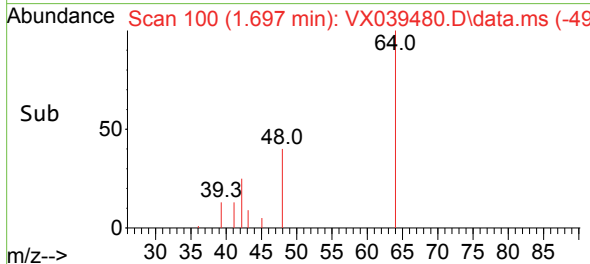
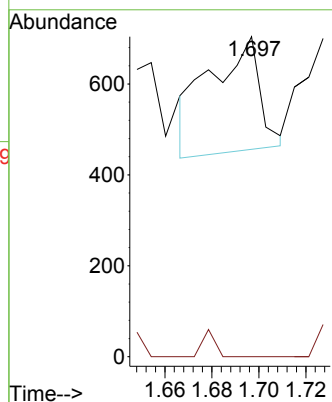


#6
Chloroethane
Concen: 0.487 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.013 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Instrument :
MSVOA_X
ClientSampleId :

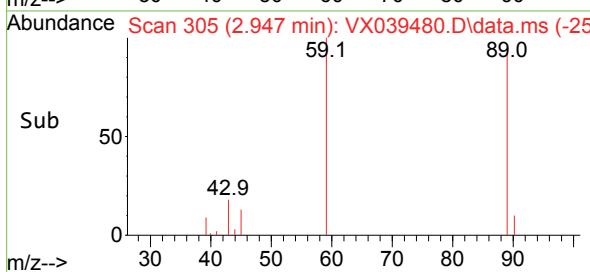
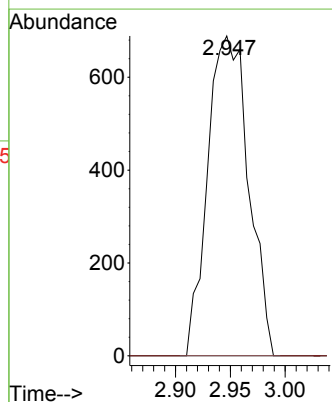
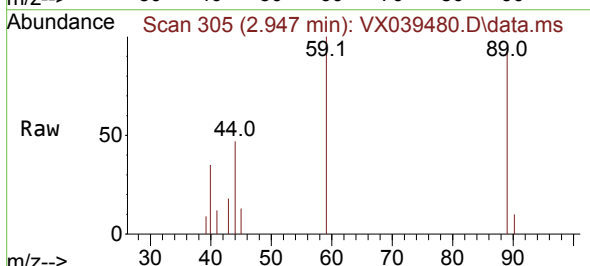


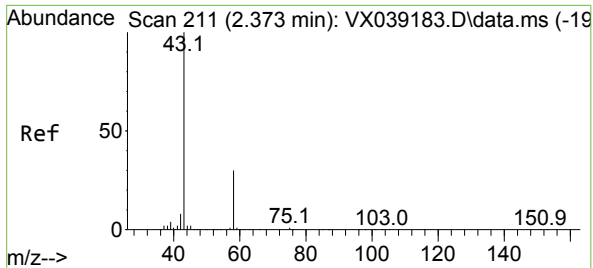
Tgt Ion: 64 Resp: 375
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 4.414 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Tgt Ion: 59 Resp: 1789
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

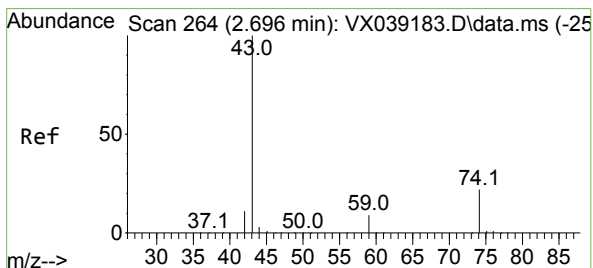
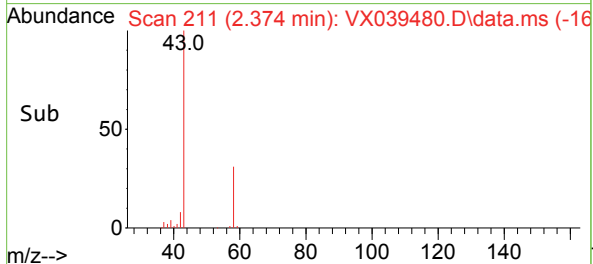
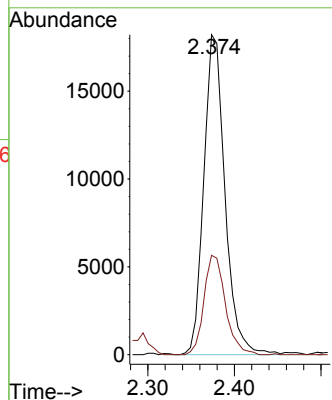
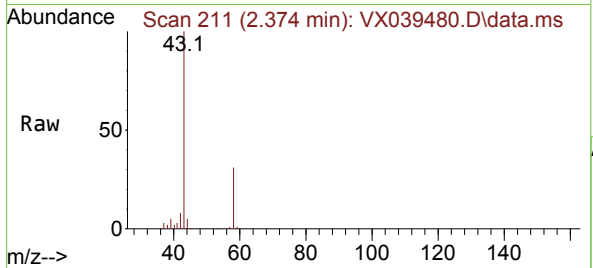




#16
Acetone
Concen: 10.683 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

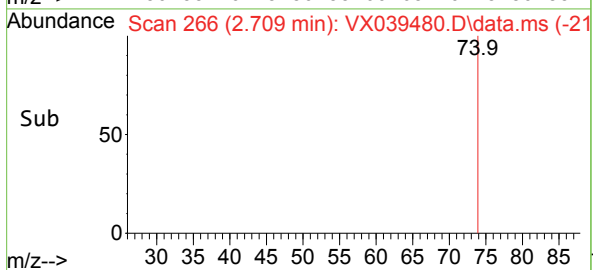
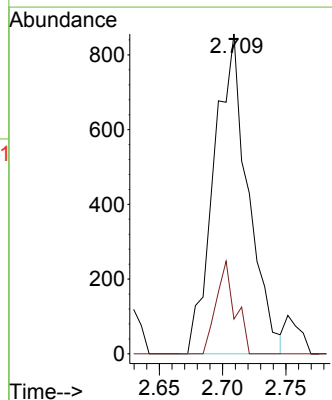
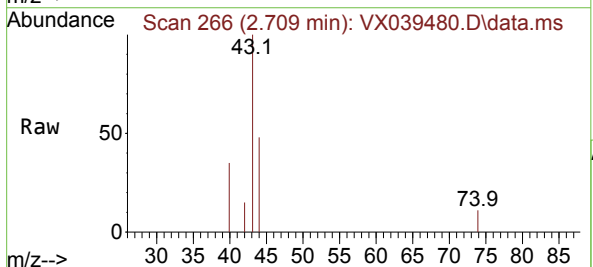
Instrument :
MSVOA_X
ClientSampleId :

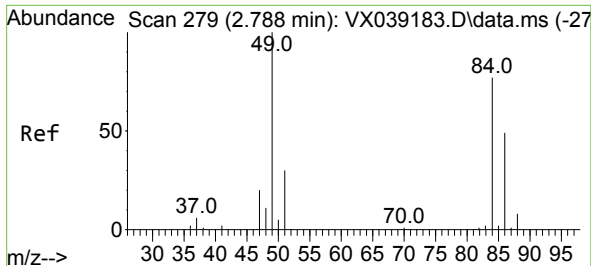
Tgt Ion: 43 Resp: 30986
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#18
Methyl Acetate
Concen: 0.459 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.013 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

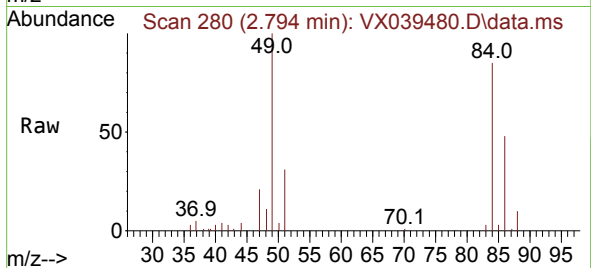
Tgt Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
74 16.2 17.8 26.8#



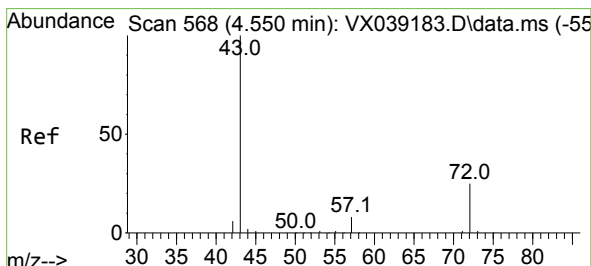
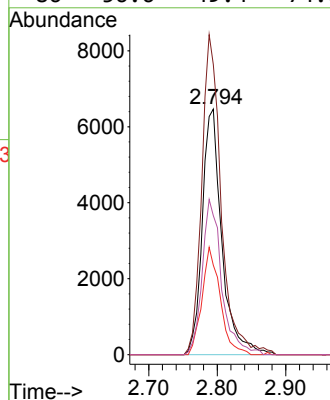
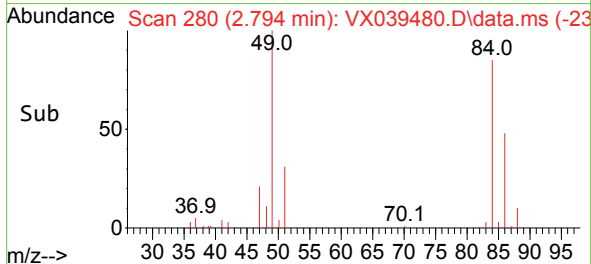


#20
Methylene Chloride
Concen: 9.571 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Instrument :
MSVOA_X
ClientSampleId :

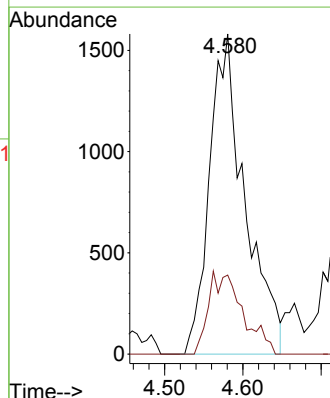
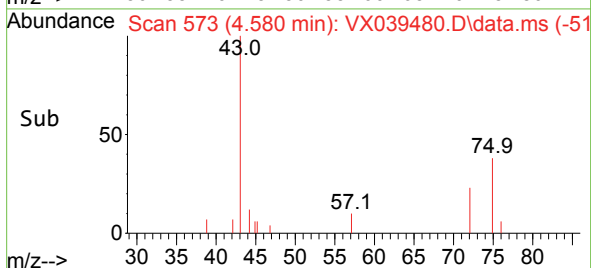
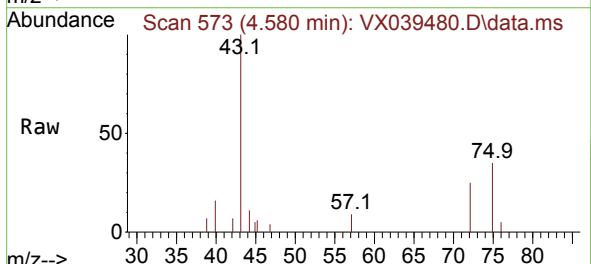


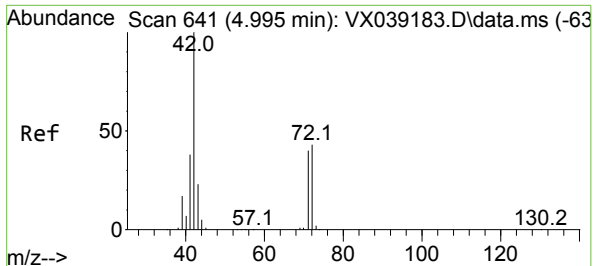
Tgt Ion: 84	Resp: 12878
Ion Ratio	Lower Upper
84 100	
49 118.1	103.6 155.4
51 36.4	33.8 50.6
86 56.6	49.4 74.0



#25
2-Butanone
Concen: 3.565 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.031 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Tgt Ion: 43	Resp: 4965
Ion Ratio	Lower Upper
43 100	
72 24.7	19.4 29.2





#29

Tetrahydrofuran

Concen: 1.784 ug/l

RT: 5.026 min Scan# 641

Delta R.T. 0.031 min

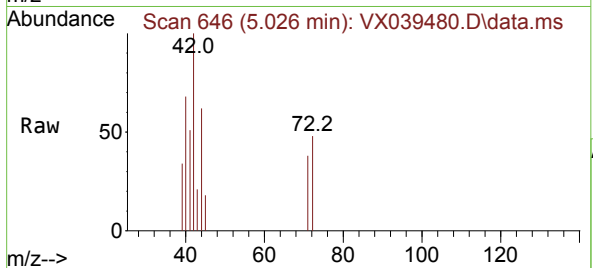
Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

Instrument :

MSVOA_X

ClientSampleId :



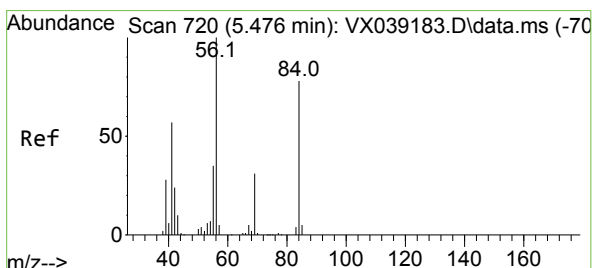
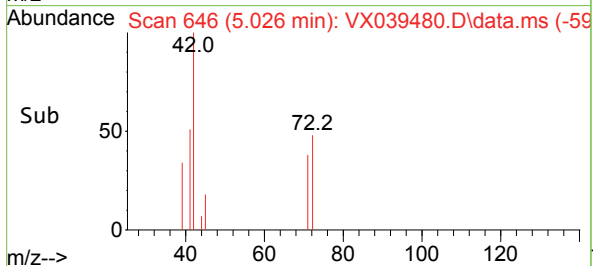
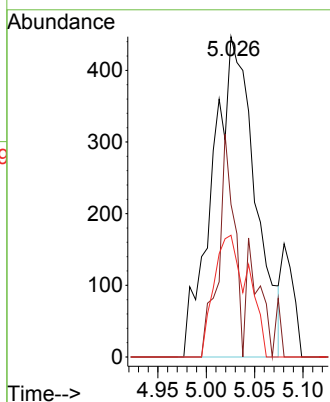
Tgt Ion: 42 Resp: 1372

Ion Ratio Lower Upper

42 100

72 25.5 34.2 51.4#

71 30.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

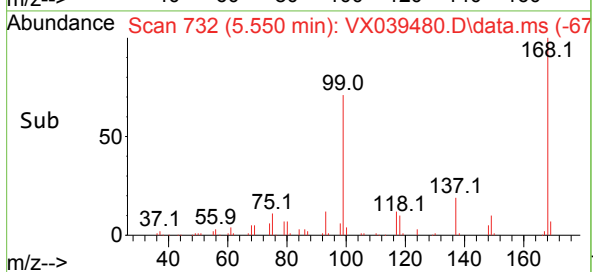
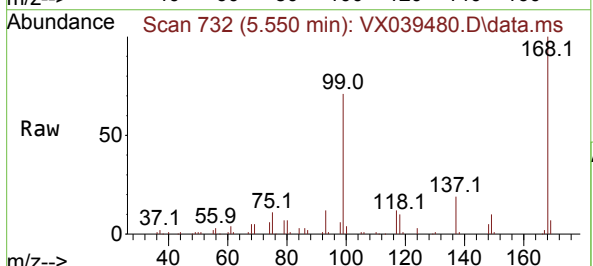
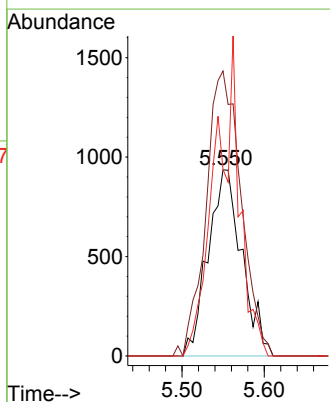
Tgt Ion: 56 Resp: 2678

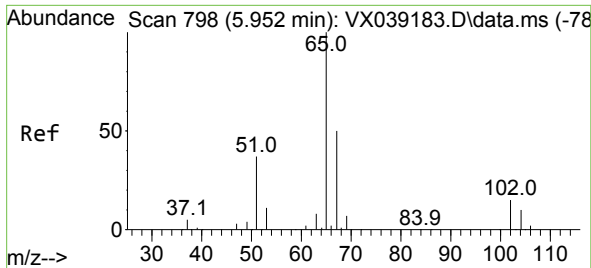
Ion Ratio Lower Upper

56 100

69 153.1 23.4 35.2#

84 100.2 65.9 98.9#

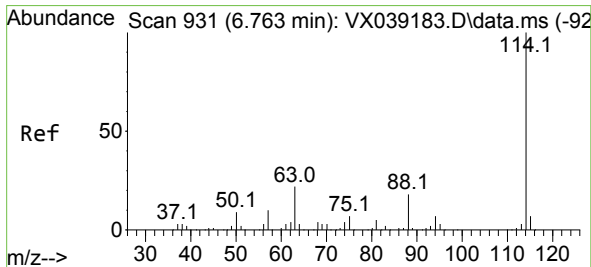
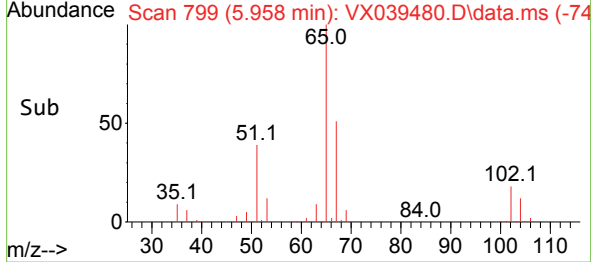
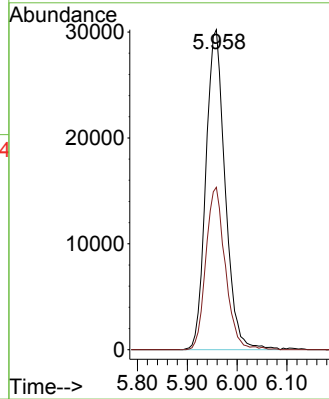
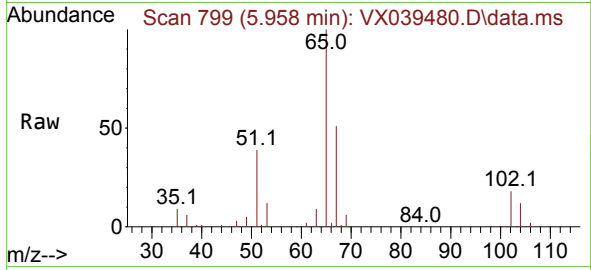




#33
 1,2-Dichloroethane-d4
 Concen: 50.250 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX039480.D
 Acq: 26 Dec 2023 20:00

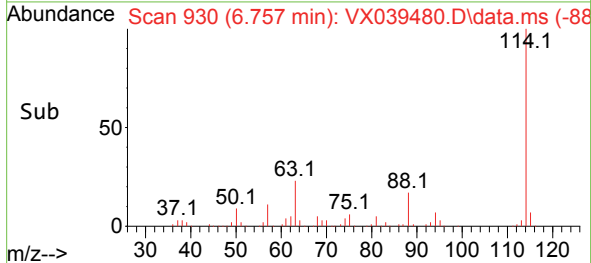
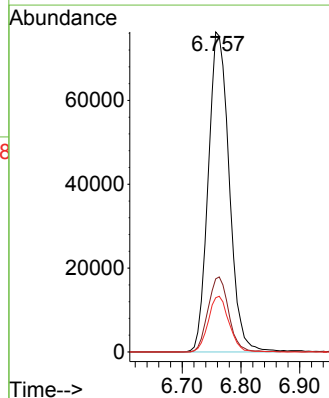
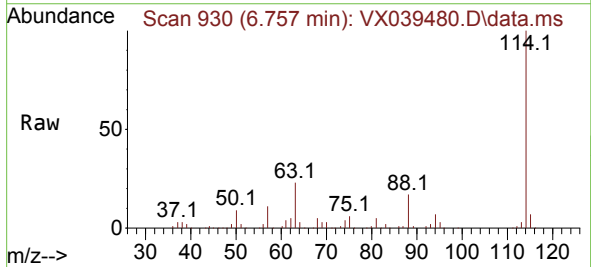
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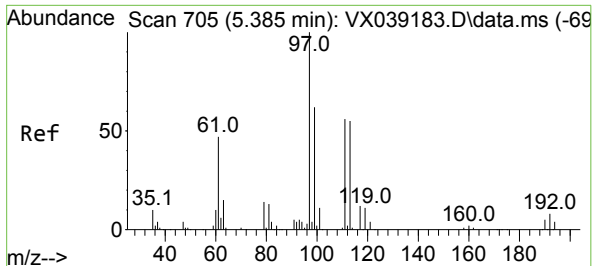
Tgt Ion: 65 Resp: 81109
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039480.D
 Acq: 26 Dec 2023 20:00

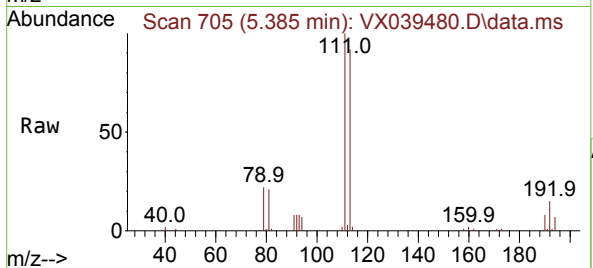
Tgt Ion: 114 Resp: 188799
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 16.9 0.0 36.6



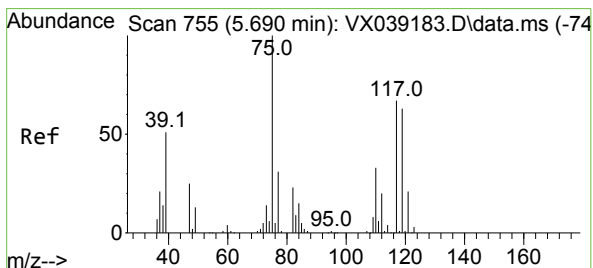
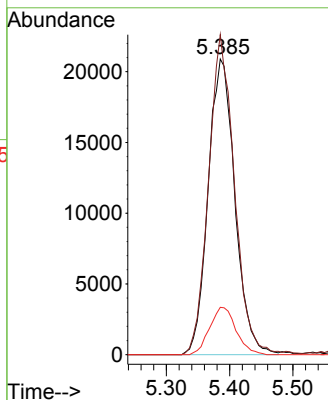
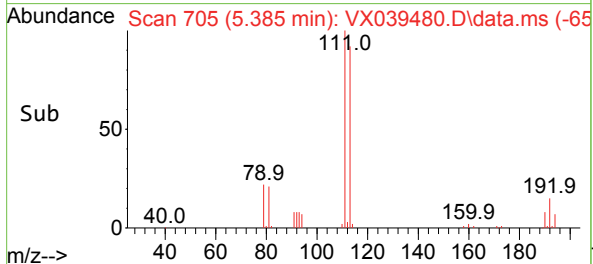


#35
Dibromofluoromethane
Concen: 47.096 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Instrument :
MSVOA_X
ClientSampleId :

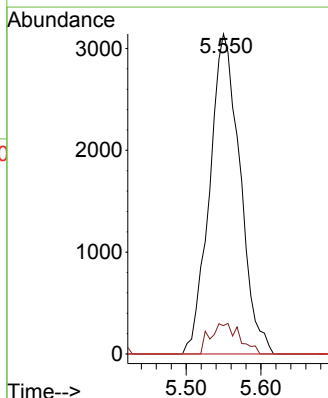
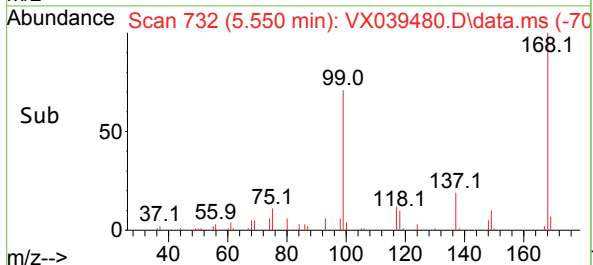
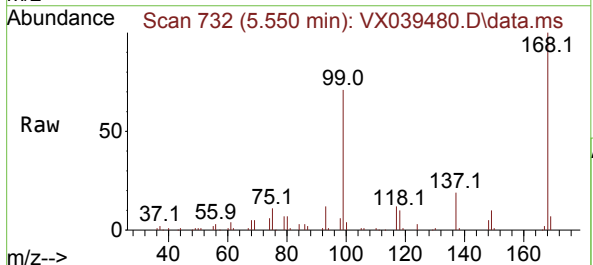


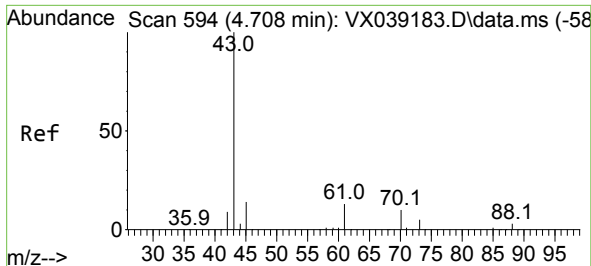
Tgt Ion:113 Resp: 61428
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 15.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.322 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Tgt Ion: 75 Resp: 8895
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.314 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.019 min

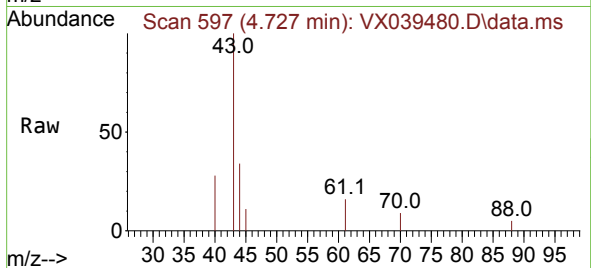
Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

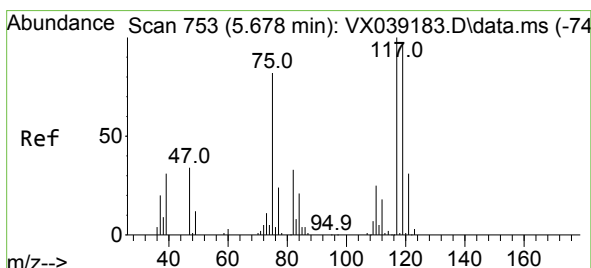
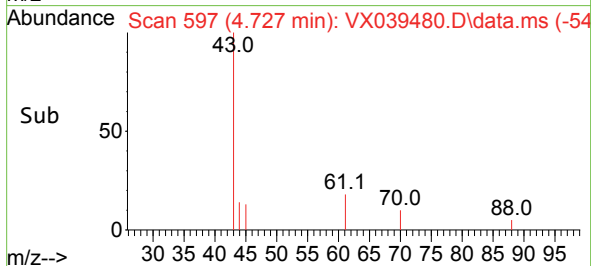
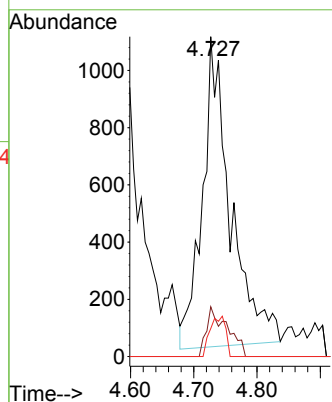
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3341
Ion Ratio	Lower Upper
43	100
61	11.9 10.6 16.0
70	7.2 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.139 ug/l

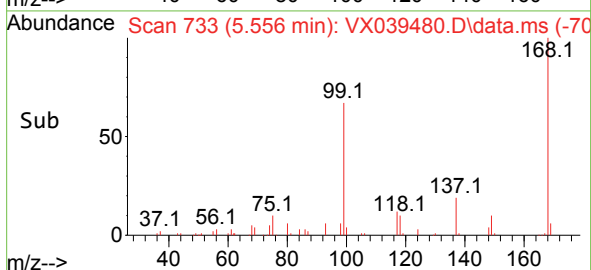
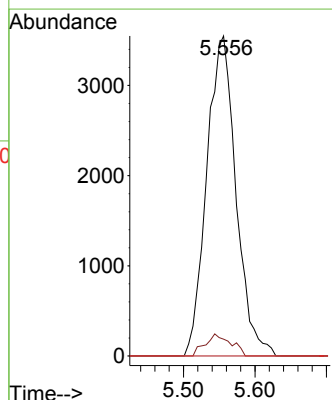
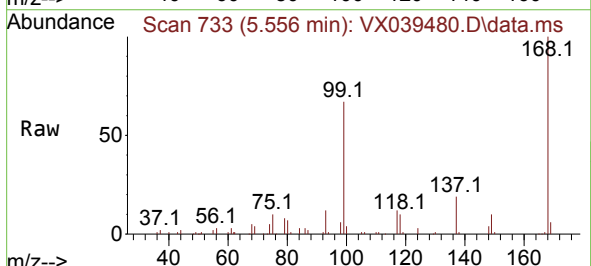
RT: 5.556 min Scan# 733

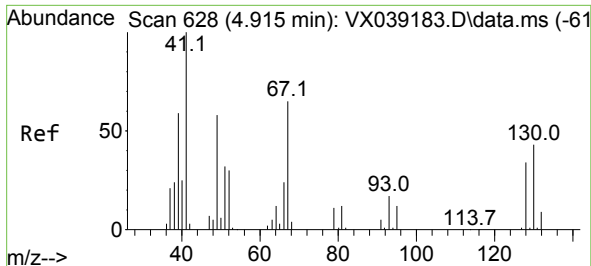
Delta R.T. -0.122 min

Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

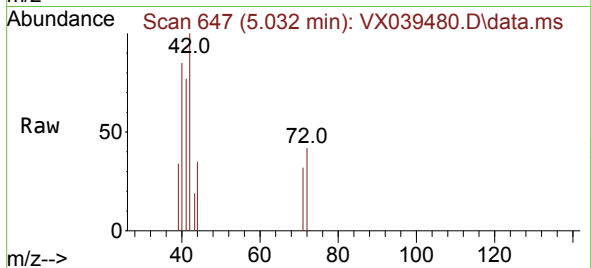
Tgt Ion: 117	Resp: 10095
Ion Ratio	Lower Upper
117	100
119	5.3 78.2 117.2
121	0.0 24.4 36.6



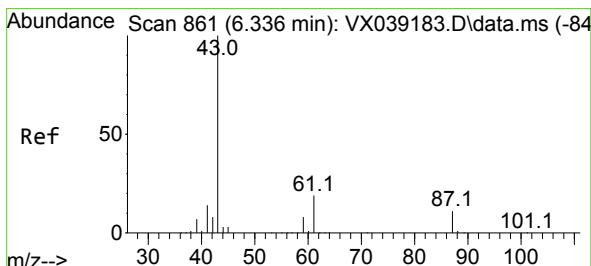
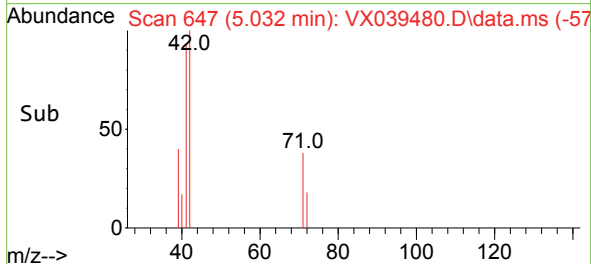
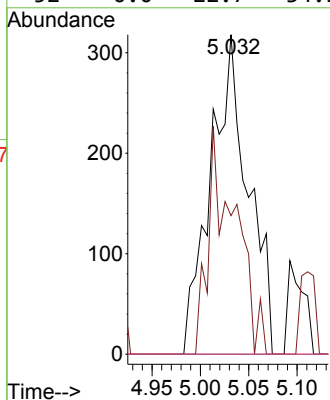


#41
Methacrylonitrile
Concen: 0.633 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Instrument :
MSVOA_X
ClientSampleId :

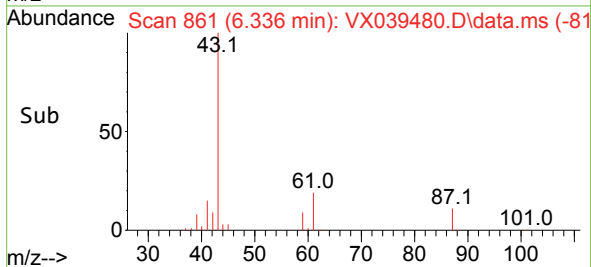
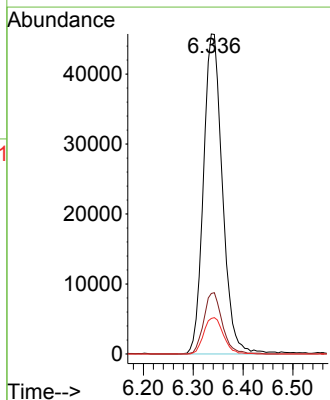
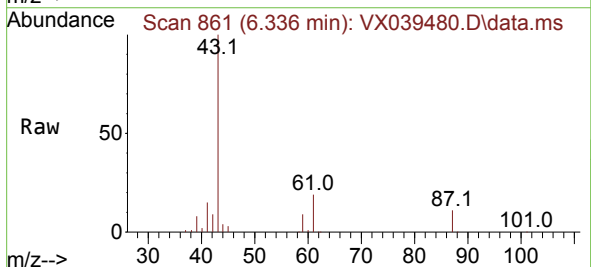


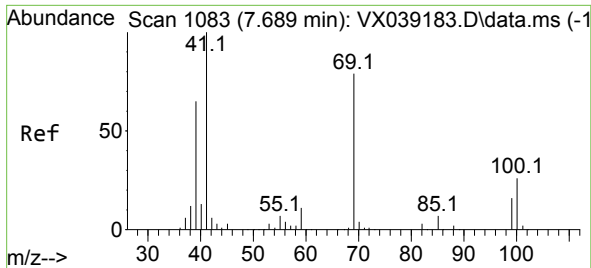
Tgt Ion: 41	Resp: 859
Ion Ratio	Lower Upper
41 100	
39 51.5	45.2 67.8
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 29.244 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Tgt Ion: 43	Resp: 120928
Ion Ratio	Lower Upper
43 100	
61 18.7	15.2 22.8
87 11.6	9.8 14.6





#48

Methyl methacrylate

Concen: 43.140 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

Instrument :

MSVOA_X

ClientSampleId :

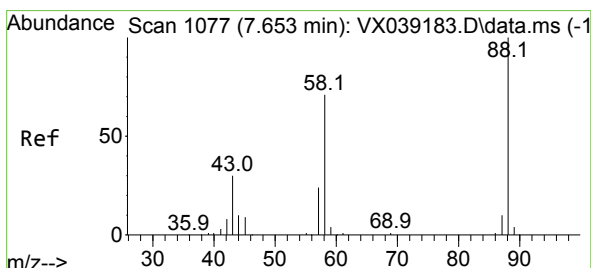
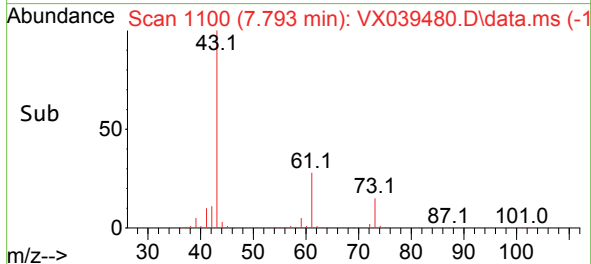
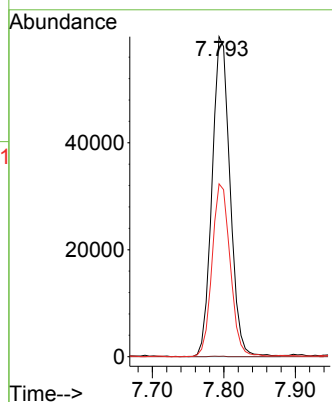
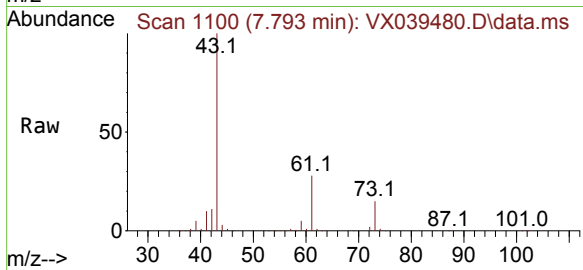
Tgt Ion: 41 Resp: 104287

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 54.7 47.7 71.5



#49

1,4-Dioxane

Concen: 0.583 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.012 min

Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

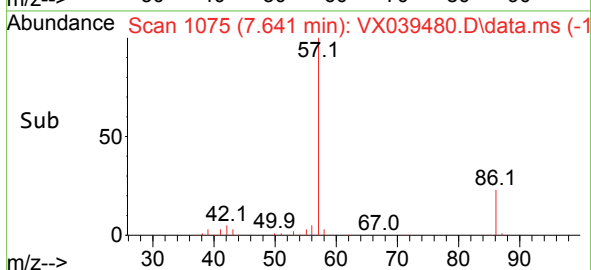
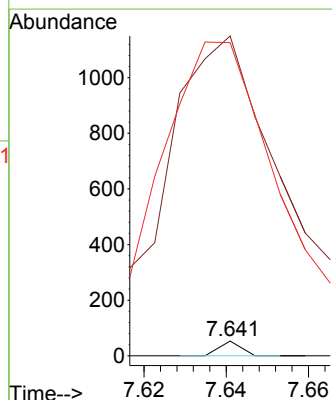
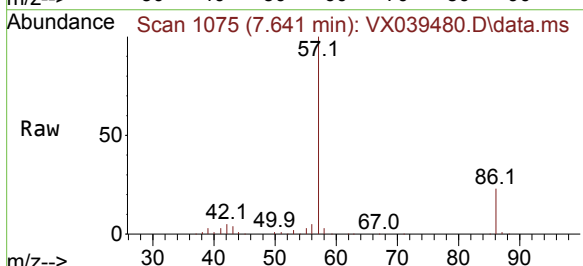
Tgt Ion: 88 Resp: 19

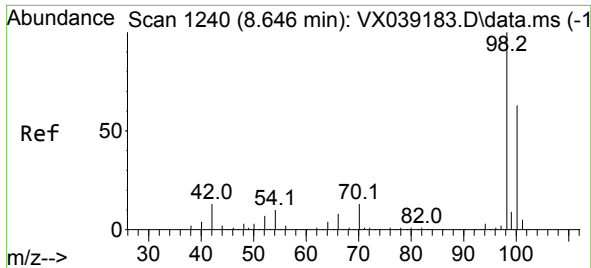
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 12226.3 60.1 90.1#

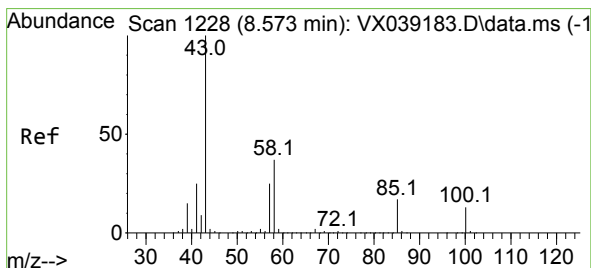
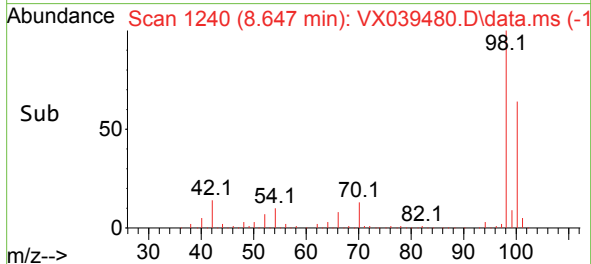
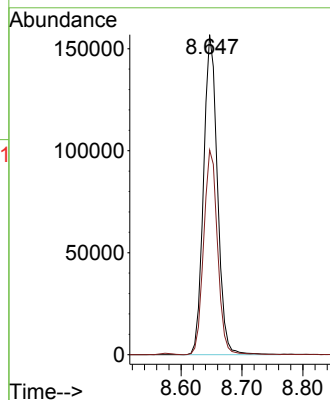
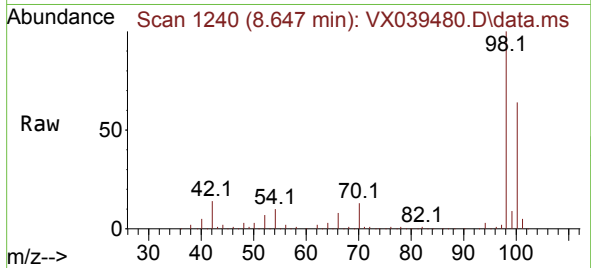




#50
Toluene-d8
Concen: 51.283 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

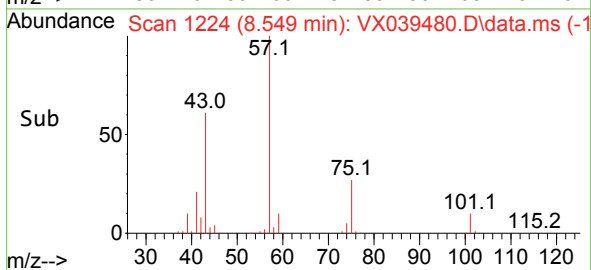
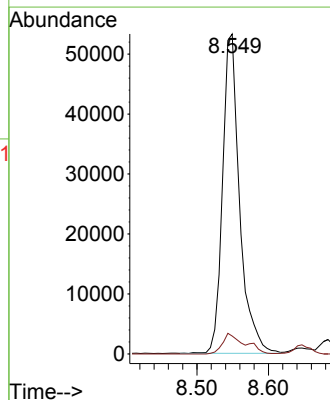
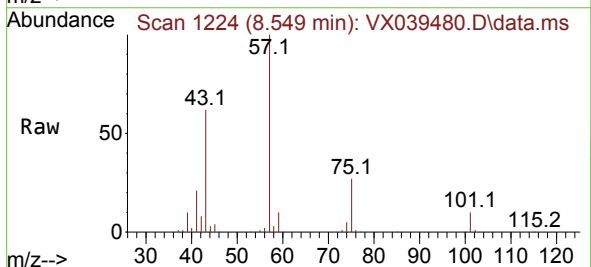
Instrument :
MSVOA_X
ClientSampleId :

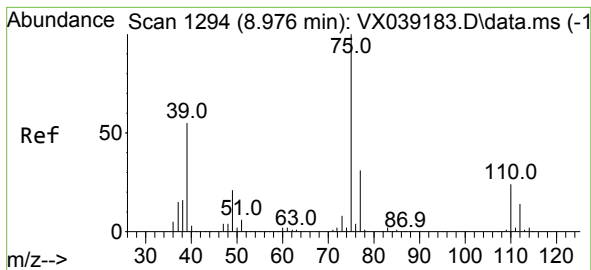
Tgt Ion: 98 Resp: 248328
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 33.573 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

Tgt Ion: 43 Resp: 88454
Ion Ratio Lower Upper
43 100
58 8.5 30.4 45.6#

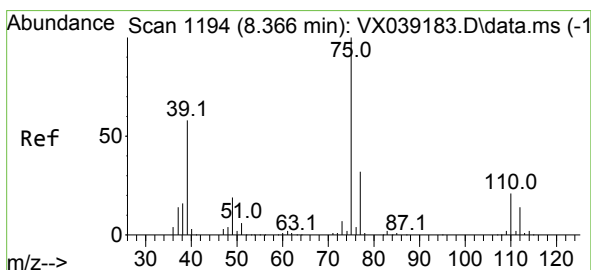
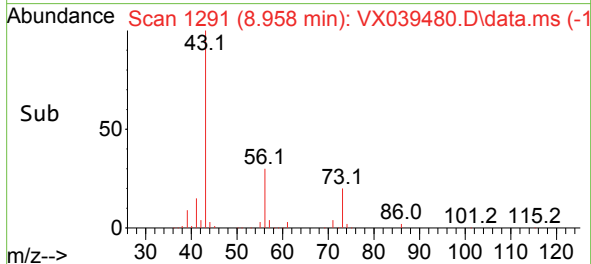
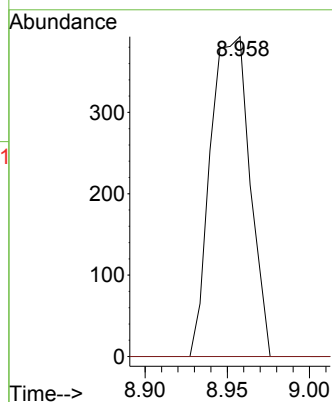
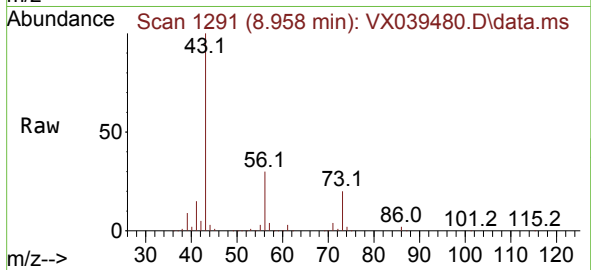




#53
 t-1,3-Dichloropropene
 Concen: 0.283 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX039480.D
 Acq: 26 Dec 2023 20:00

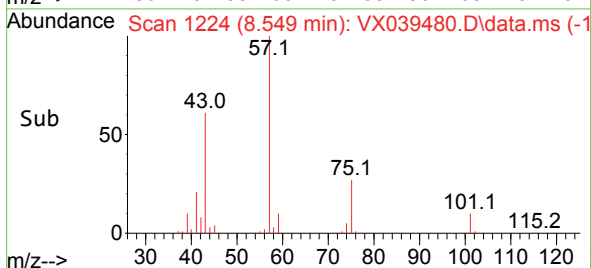
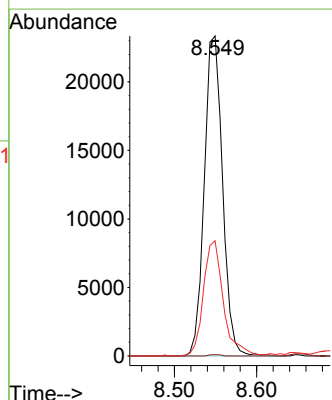
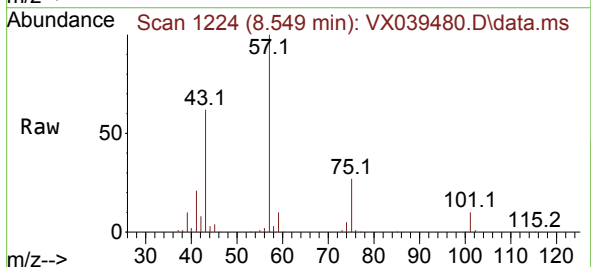
Instrument :
 MSVOA_X
 ClientSampleId :

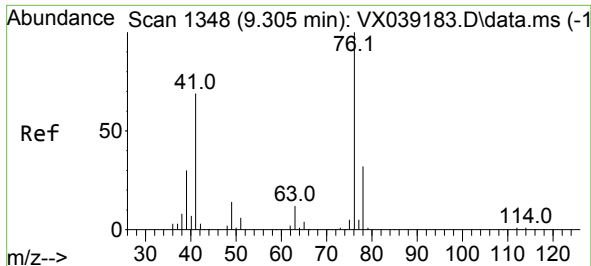
Tgt Ion: 75 Resp: 654
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.488 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039480.D
 Acq: 26 Dec 2023 20:00

Tgt Ion: 75 Resp: 36044
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 36.0 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.659 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

Instrument :

MSVOA_X

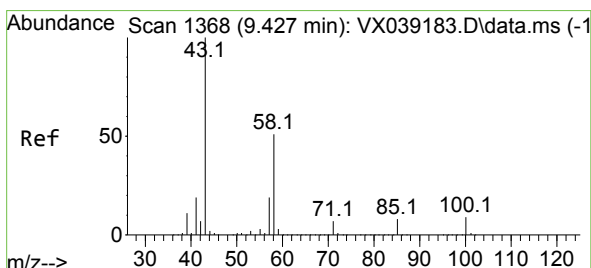
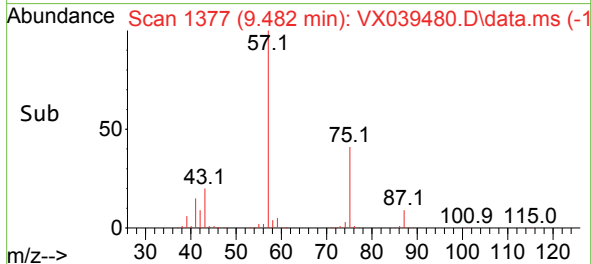
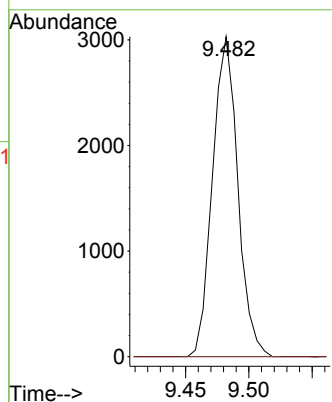
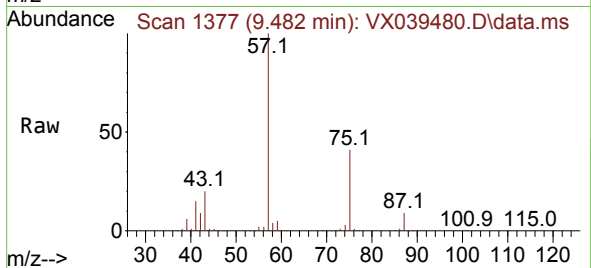
ClientSampleId :

Tgt Ion: 76 Resp: 4207

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.288 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX039480.D

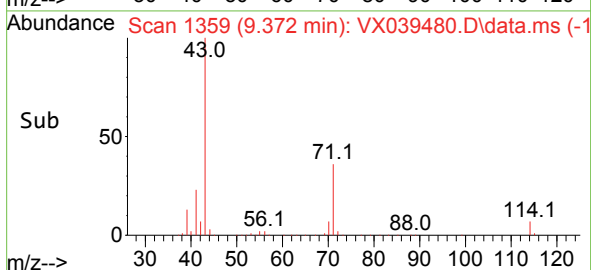
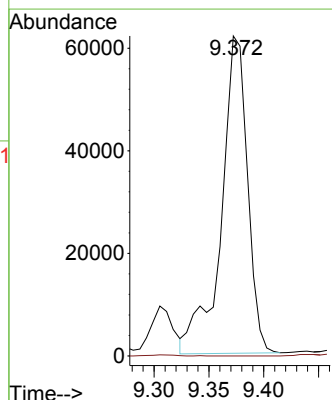
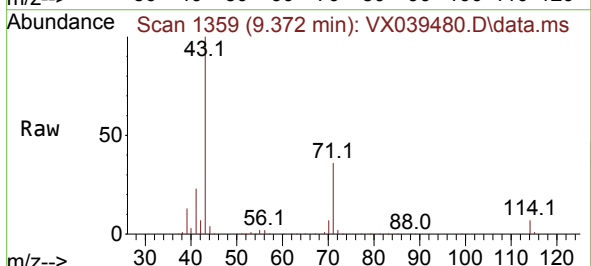
Acq: 26 Dec 2023 20:00

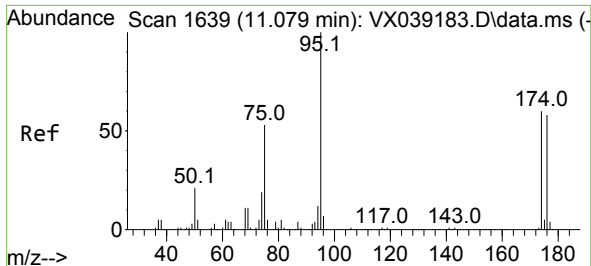
Tgt Ion: 43 Resp: 102975

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

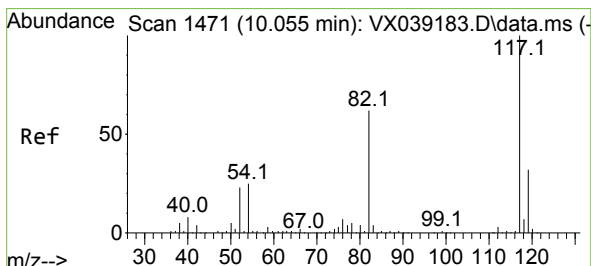
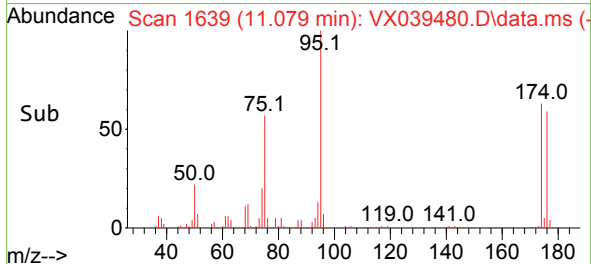
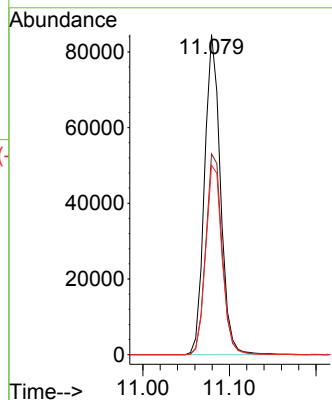
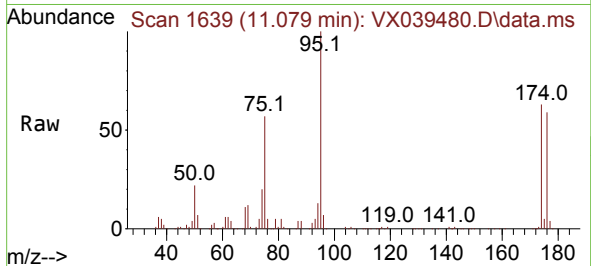




#62
4-Bromofluorobenzene
Concen: 53.976 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

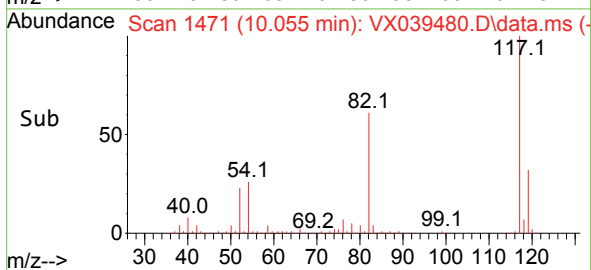
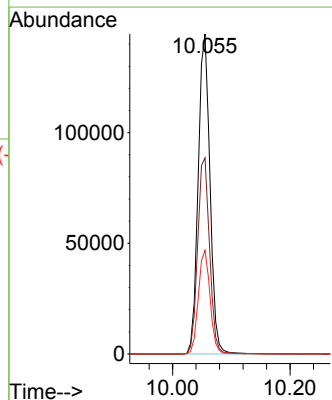
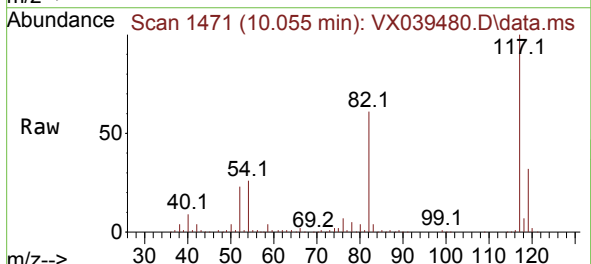
Instrument :
MSVOA_X
ClientSampleId :

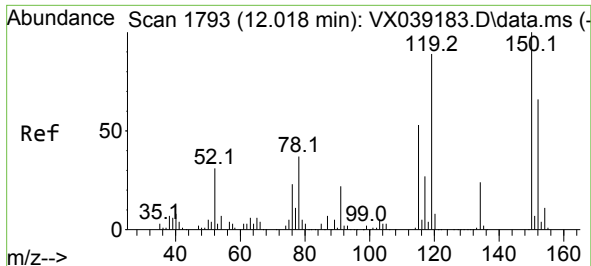
Tgt Ion: 95 Resp: 107840
Ion Ratio Lower Upper
95 100
174 64.7 0.0 135.6
176 61.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

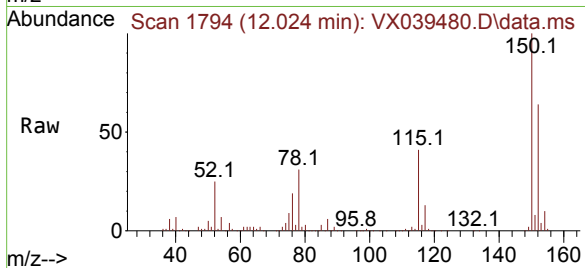
Tgt Ion: 117 Resp: 201463
Ion Ratio Lower Upper
117 100
82 61.3 46.2 69.4
119 32.4 25.5 38.3



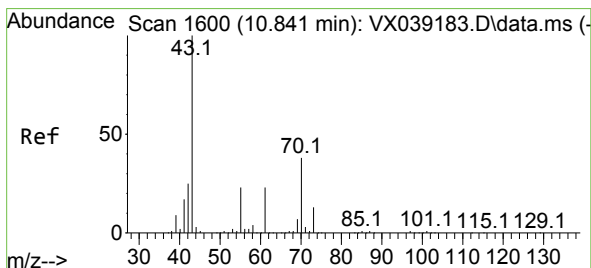
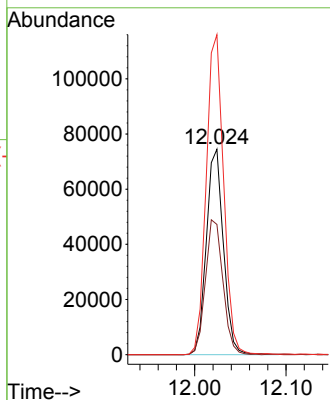
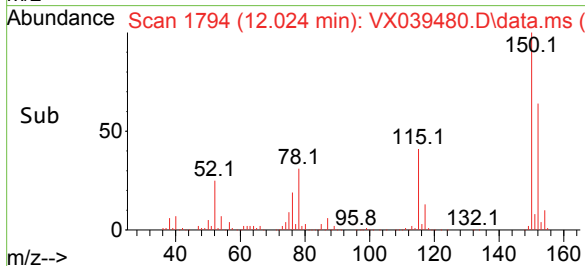


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00

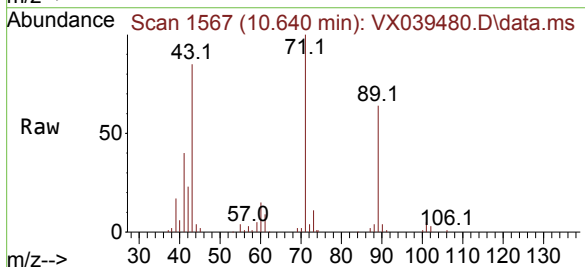
Instrument :
MSVOA_X
ClientSampleId :



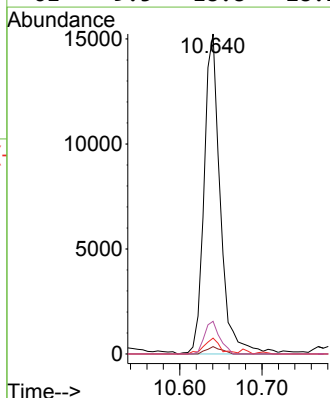
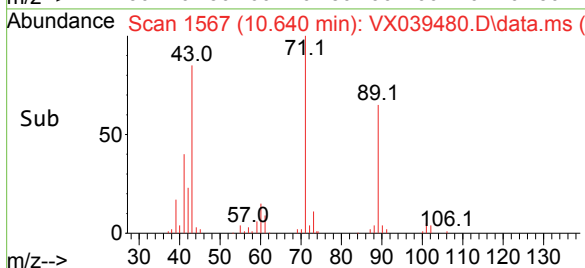
Tgt Ion:152 Resp: 96467
Ion Ratio Lower Upper
152 100
115 67.3 43.3 129.9
150 158.4 0.0 345.0

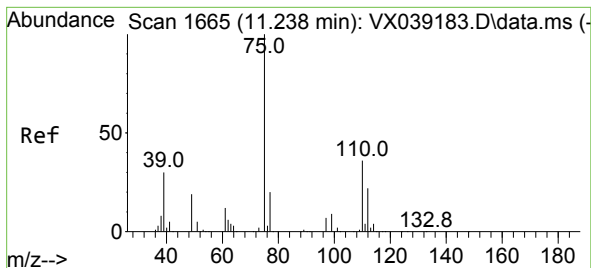


#74
N-ethyl acetate
Concen: 5.542 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX039480.D
Acq: 26 Dec 2023 20:00



Tgt Ion: 43 Resp: 20868
Ion Ratio Lower Upper
43 100
70 2.1 32.9 49.3#
55 4.9 19.3 28.9#
61 9.5 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.184 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

Instrument :

MSVOA_X

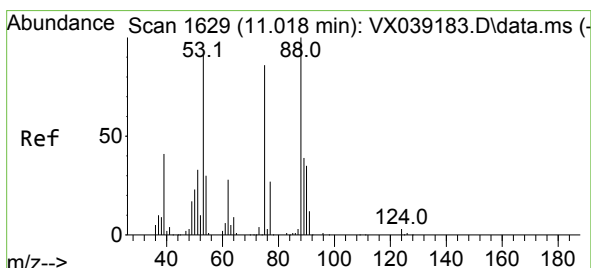
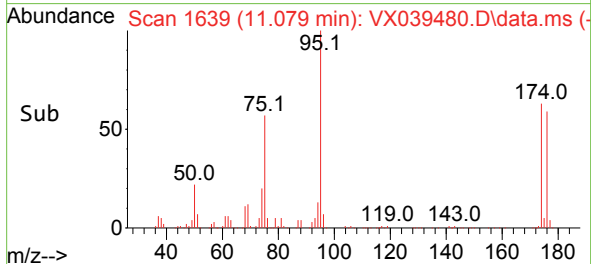
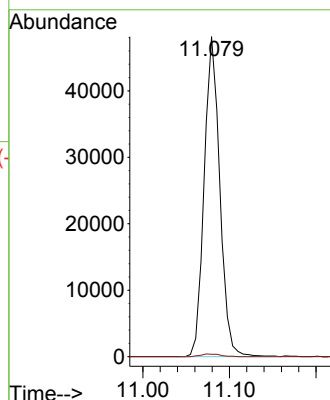
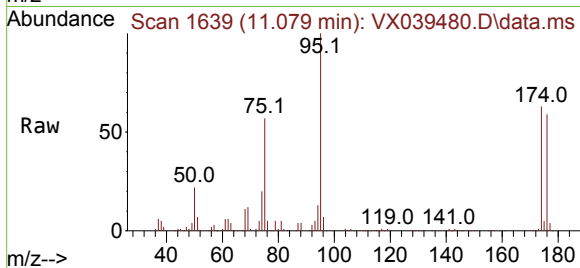
ClientSampleId :

Tgt Ion: 75 Resp: 60358

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.223 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039480.D

Acq: 26 Dec 2023 20:00

Tgt Ion: 75 Resp: 60358

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

