

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039479.D
 Acq On : 26 Dec 2023 19:38
 Operator : JC/MD
 Sample : PB158014ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:43:43 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)

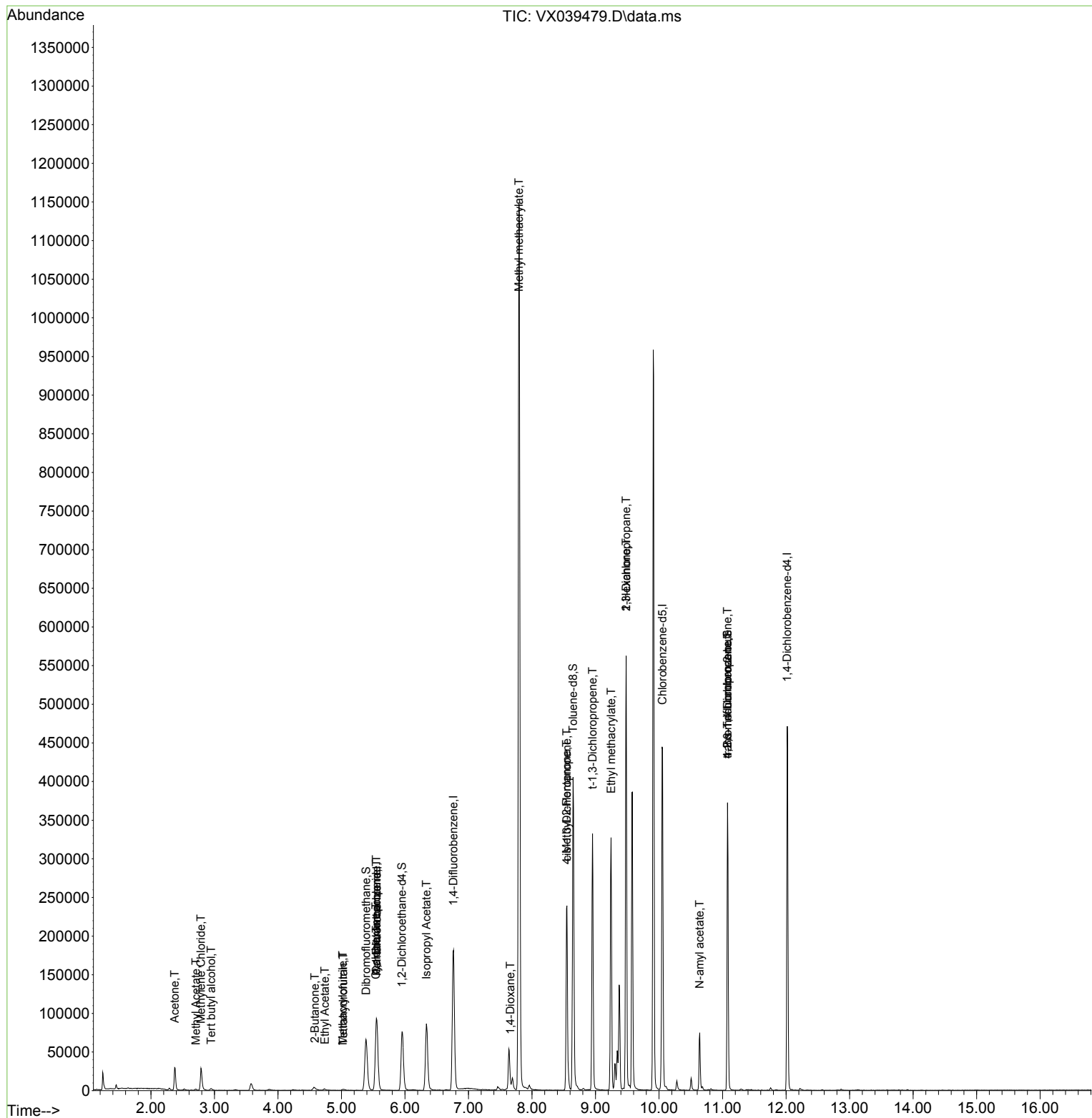
Internal Standards						
1) Pentafluorobenzene	5.556	168	81531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74464	49.856	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.720%		
35) Dibromofluoromethane	5.385	113	58695	47.911	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	8.647	98	232802	51.186	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.380%		
62) 4-Bromofluorobenzene	11.079	95	99091	52.805	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.620%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	1949	5.196	ug/l #	81
16) Acetone	2.374	43	31053	13.695	ug/l #	88
18) Methyl Acetate	2.709	43	1879	0.582	ug/l #	83
20) Methylene Chloride	2.788	84	12657	10.166	ug/l	92
25) 2-Butanone	4.580	43	5395	4.186	ug/l	99
29) Tetrahydrofuran	5.025	42	1260	1.770	ug/l #	59
31) Cyclohexane	5.544	56	2577	1.336	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8072	4.175	ug/l #	50
37) Ethyl Acetate	4.739	43	3093	1.295	ug/l #	90
38) Carbon Tetrachloride	5.550	117	9645	5.228	ug/l #	17
41) Methacrylonitrile	5.019	41	812	0.637	ug/l #	51
43) Isopropyl Acetate	6.336	43	119225	30.698	ug/l	99
48) Methyl methacrylate	7.793	41	104537	46.040	ug/l #	49
49) 1,4-Dioxane	7.659	88	34	1.111	ug/l #	12
51) 4-Methyl-2-Pentanone	8.543	43	88279	35.674	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	624	0.287	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35986	15.400	ug/l #	61
56) Ethyl methacrylate	9.244	69	701	0.417	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4554	1.912	ug/l #	42
59) 2-Hexanone	9.482	43	70092	32.820	ug/l #	53
74) N-amyl acetate	10.640	43	20556	6.010	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	54879	24.210	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54879	68.296	ug/l #	5

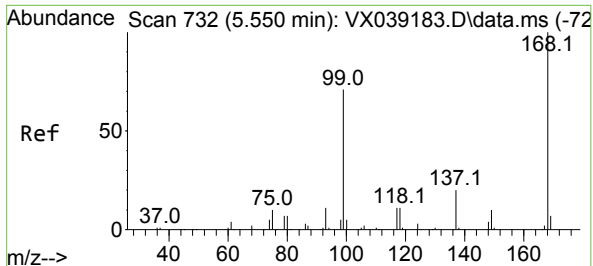
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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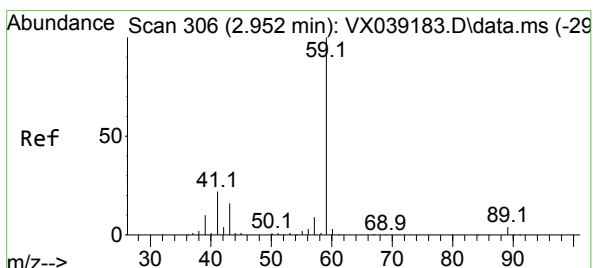
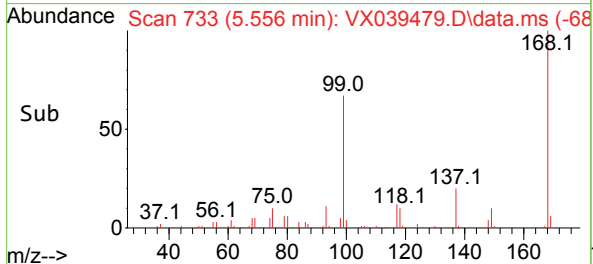
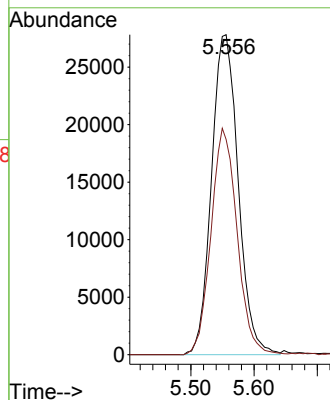
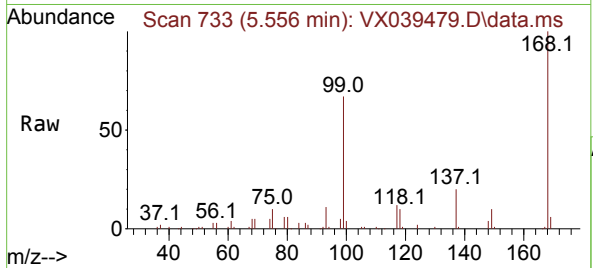




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

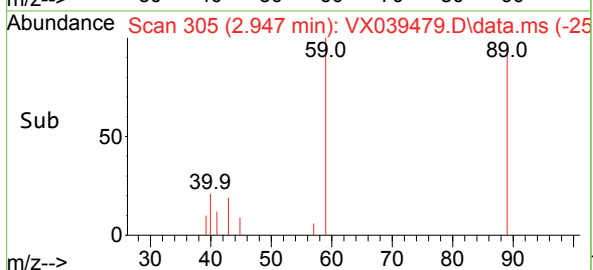
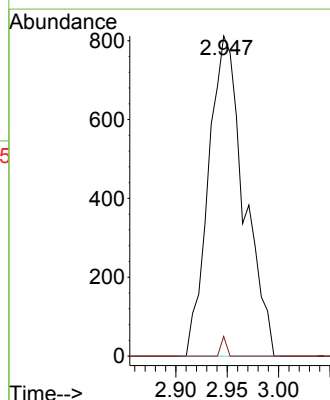
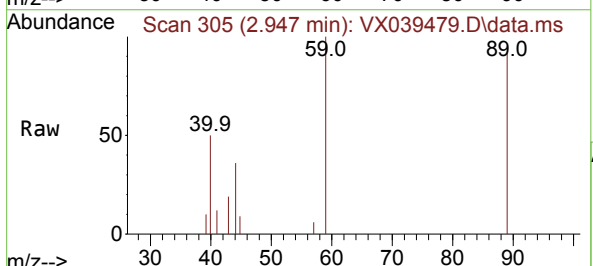
Instrument :
MSVOA_X
ClientSampleId :

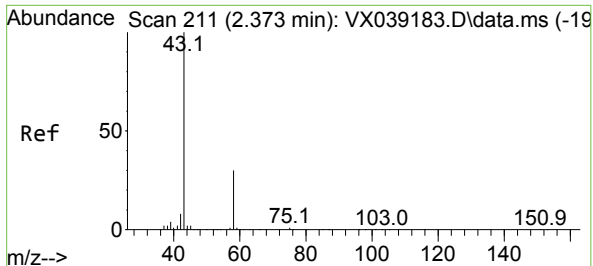
Tgt Ion:168 Resp: 81531
Ion Ratio Lower Upper
168 100
99 67.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.196 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Tgt Ion: 59 Resp: 1949
Ion Ratio Lower Upper
59 100
57 0.9 6.0 9.0#

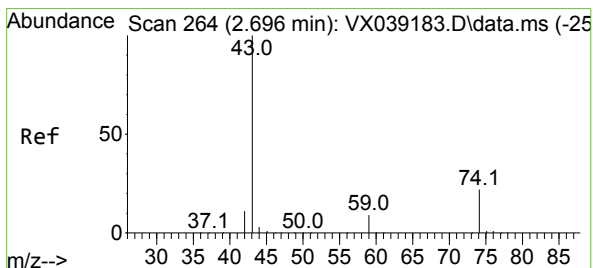
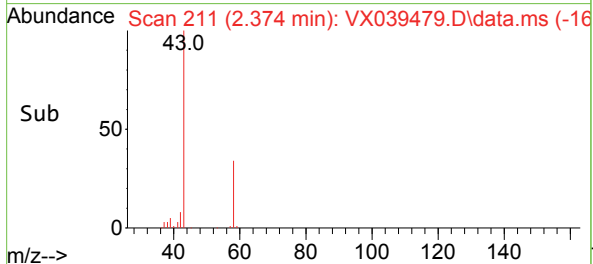
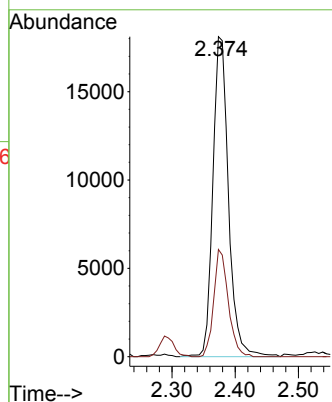
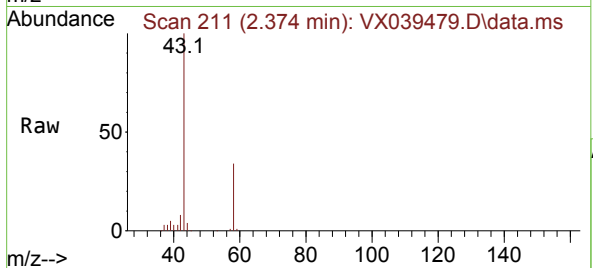




#16
Acetone
Concen: 13.695 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

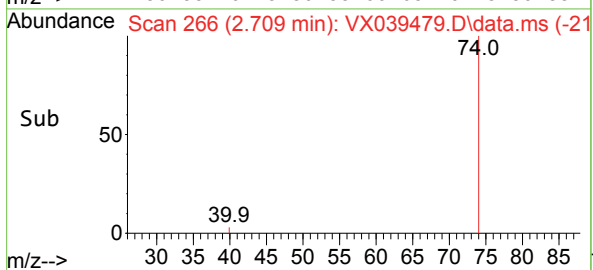
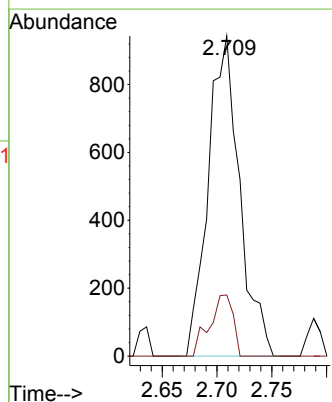
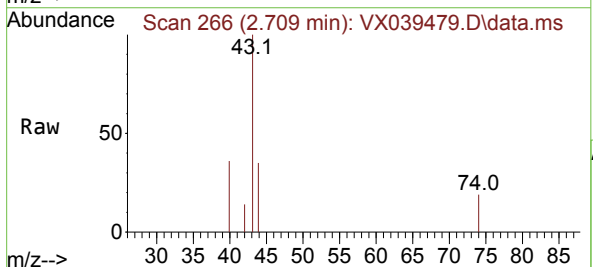
Instrument :
MSVOA_X
ClientSampleId :

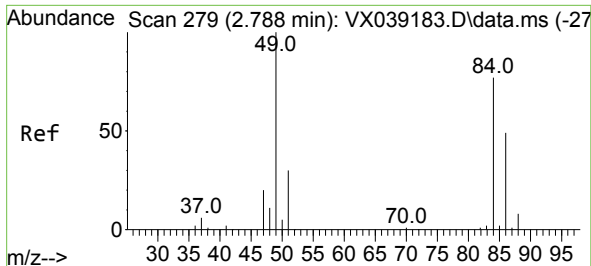
Tgt Ion: 43 Resp: 31053
Ion Ratio Lower Upper
43 100
58 33.5 21.9 32.9#



#18
Methyl Acetate
Concen: 0.582 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

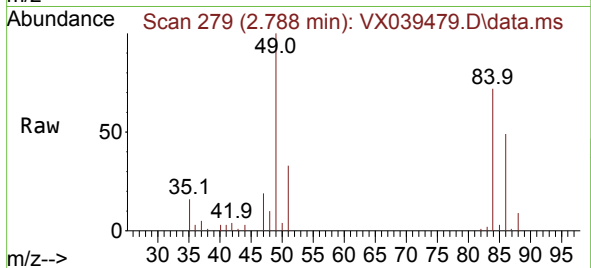
Tgt Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
74 14.3 17.8 26.8#



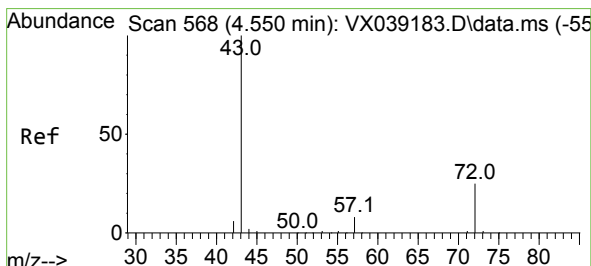
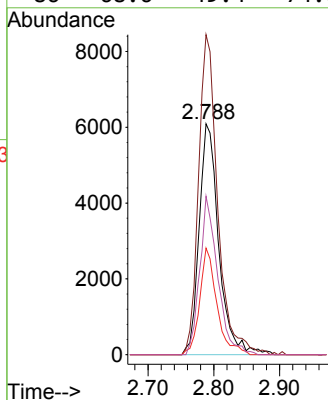
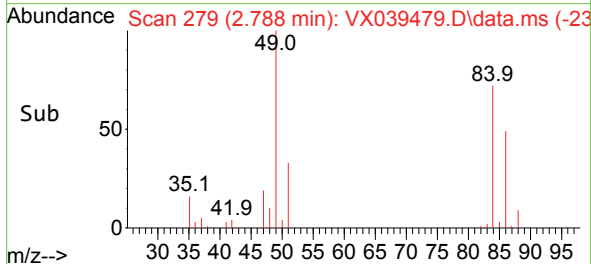


#20
Methylene Chloride
Concen: 10.166 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :

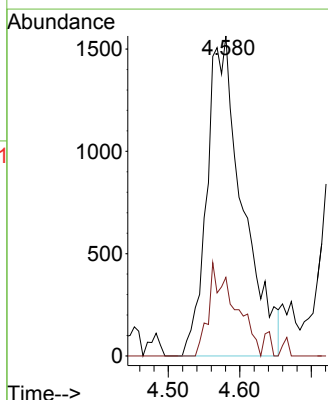
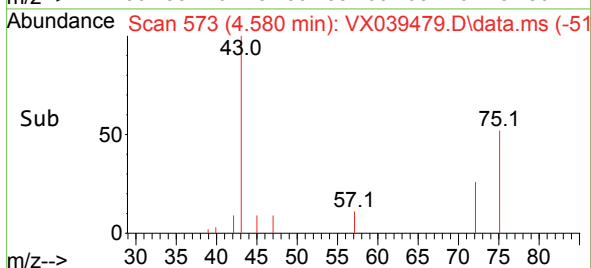
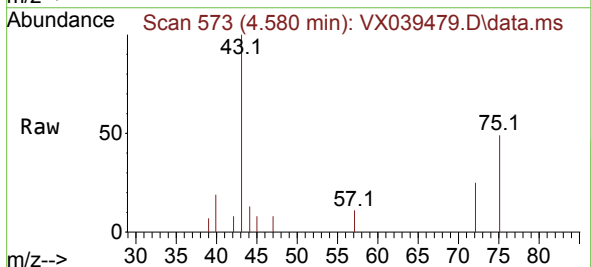


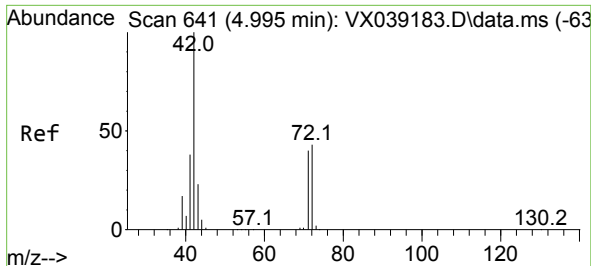
Tgt Ion:	84	Resp:	12657
Ion	Ratio	Lower	Upper
84	100		
49	138.6	103.6	155.4
51	46.1	33.8	50.6
86	68.6	49.4	74.0



#25
2-Butanone
Concen: 4.186 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.031 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Tgt Ion:	43	Resp:	5395
Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.4	29.2





#29

Tetrahydrofuran

Concen: 1.770 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

Instrument :

MSVOA_X

ClientSampleId :

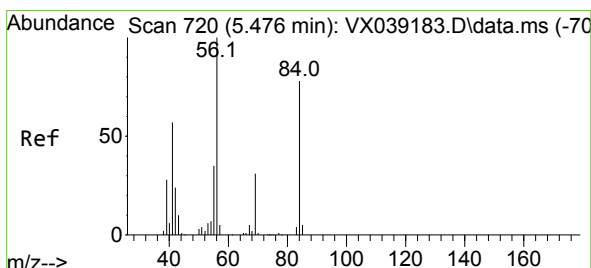
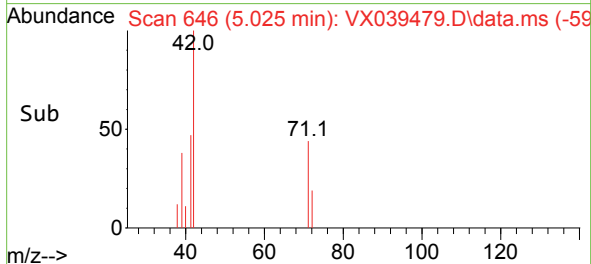
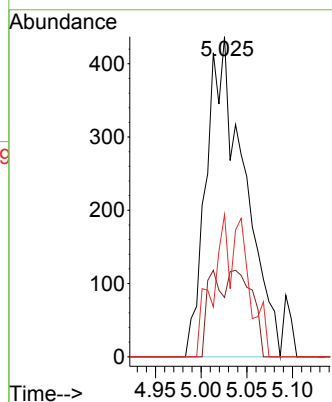
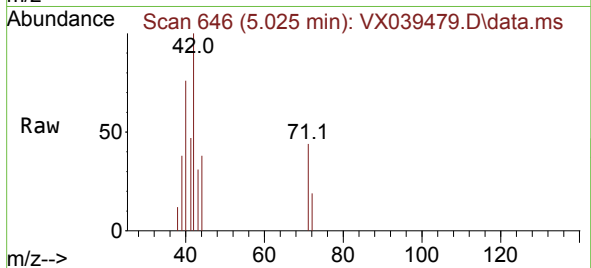
Tgt Ion: 42 Resp: 1260

Ion Ratio Lower Upper

42 100

72 11.4 34.2 51.4#

71 19.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.336 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.067 min

Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

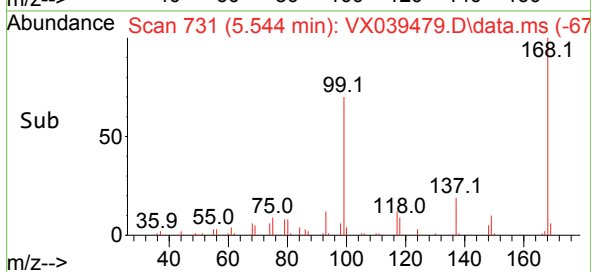
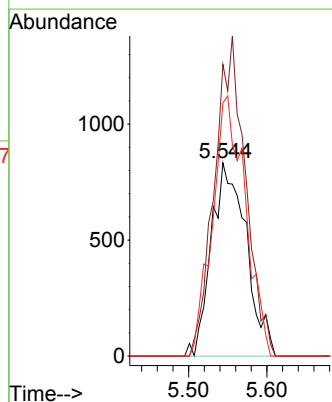
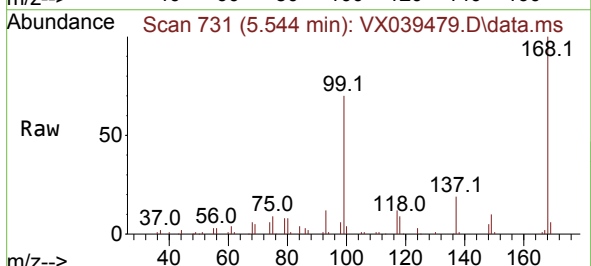
Tgt Ion: 56 Resp: 2577

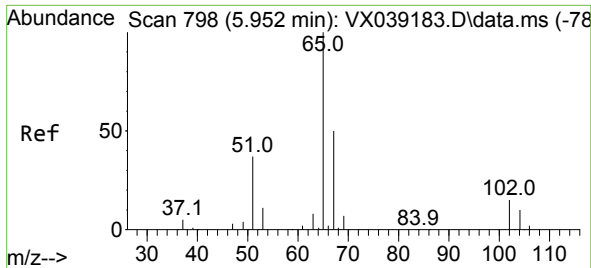
Ion Ratio Lower Upper

56 100

69 150.9 23.4 35.2#

84 131.0 65.9 98.9#

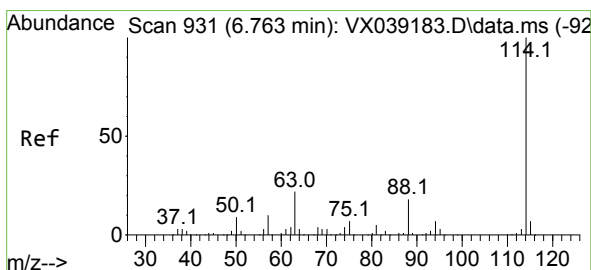
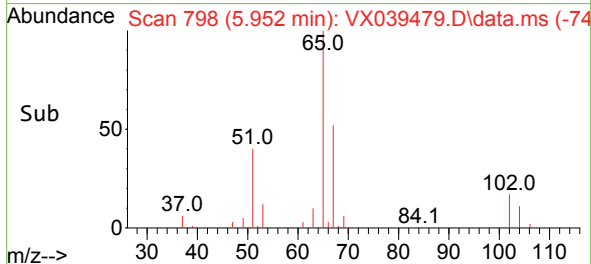
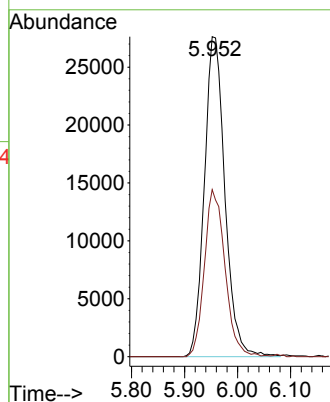
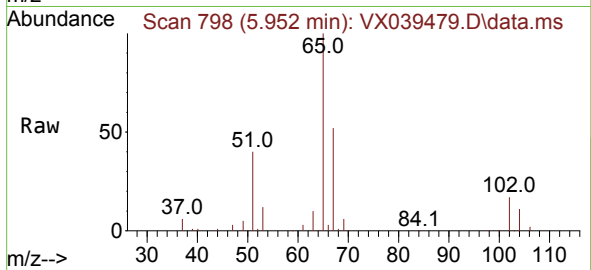




#33
 1,2-Dichloroethane-d4
 Concen: 49.856 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039479.D
 Acq: 26 Dec 2023 19:38

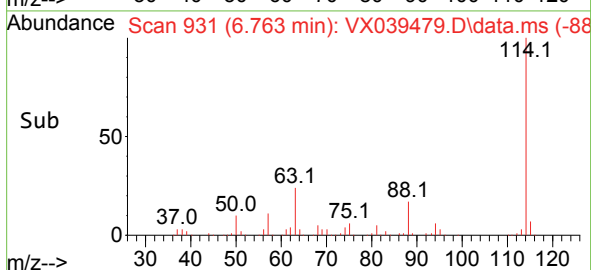
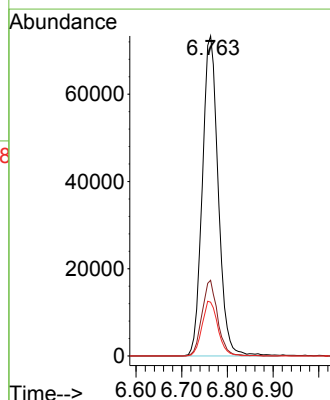
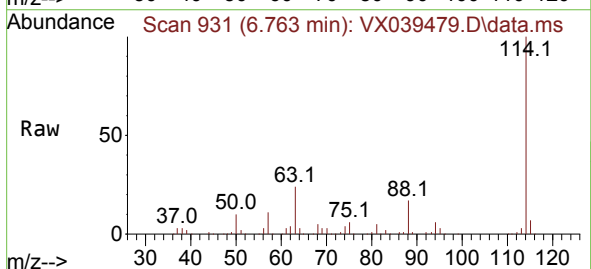
Instrument :
 MSVOA_X
 ClientSampleId :

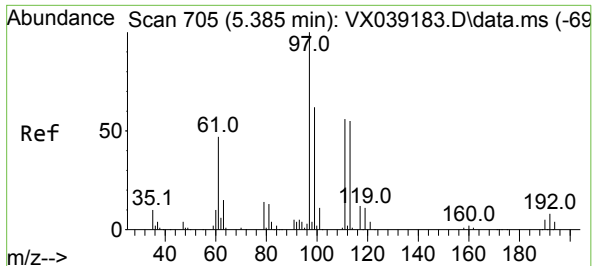
Tgt Ion: 65 Resp: 74464
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX039479.D
 Acq: 26 Dec 2023 19:38

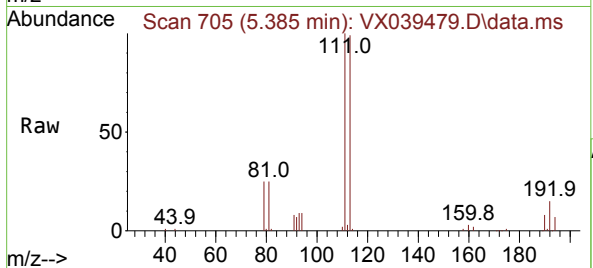
Tgt Ion: 114 Resp: 177329
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.0
 88 16.8 0.0 36.6



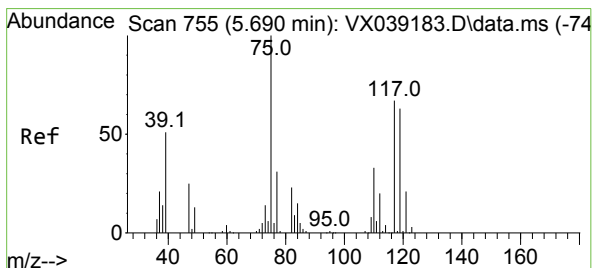
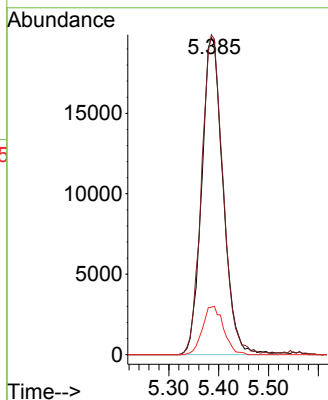
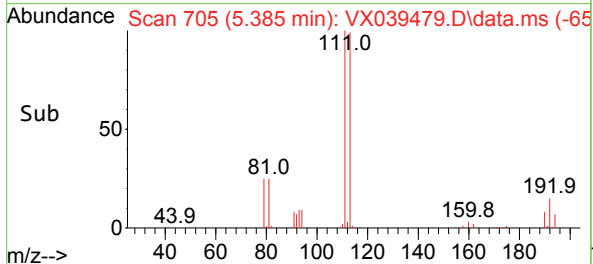


#35
Dibromofluoromethane
Concen: 47.911 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :

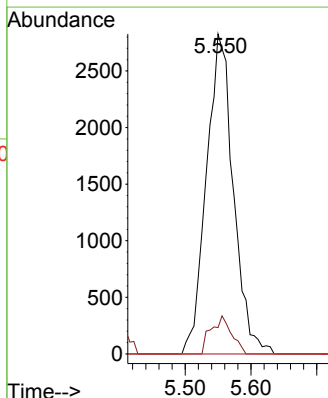
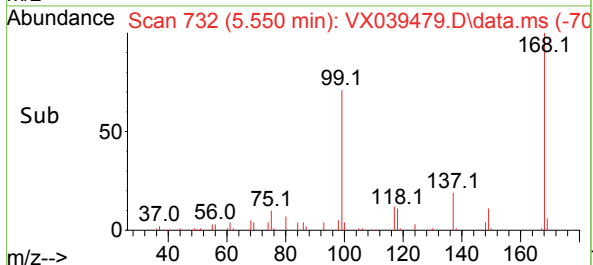
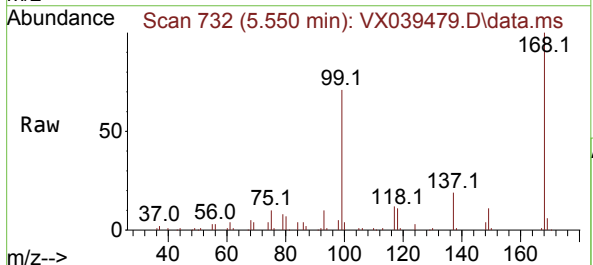


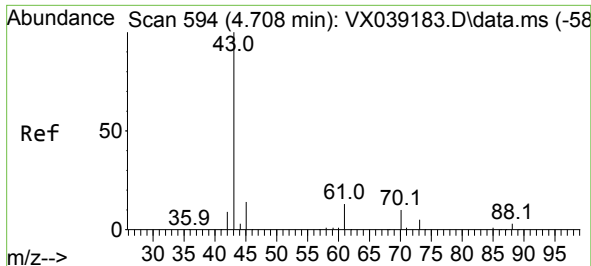
Tgt Ion:113 Resp: 58695
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 15.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.175 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Tgt Ion: 75 Resp: 8072
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.295 ug/l

RT: 4.739 min Scan# 594

Delta R.T. 0.031 min

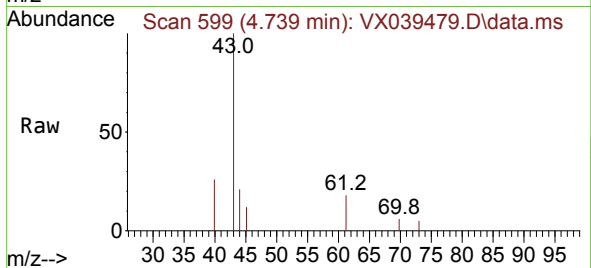
Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

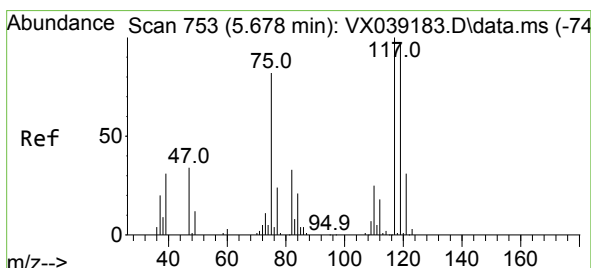
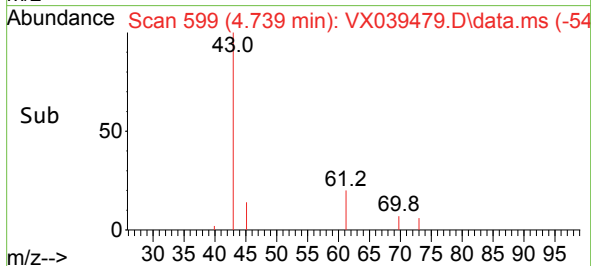
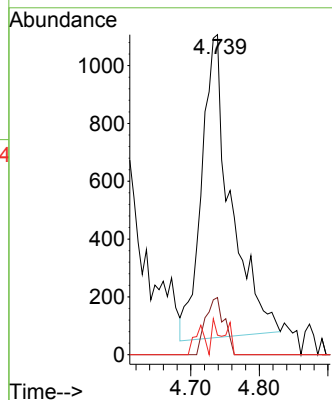
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3093
Ion Ratio	Lower Upper
43	100
61	12.1 10.6 16.0
70	3.0 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.228 ug/l

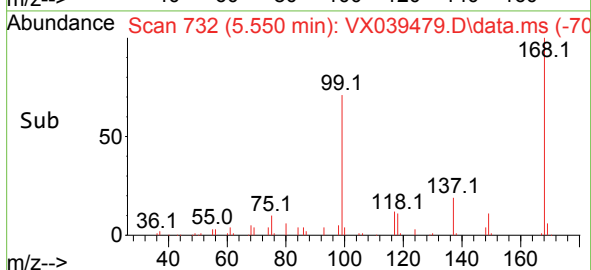
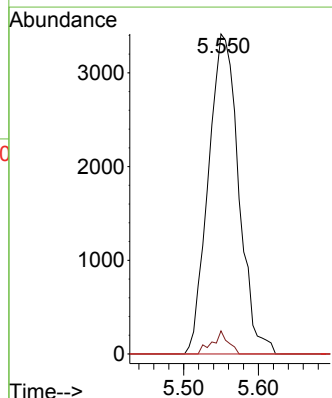
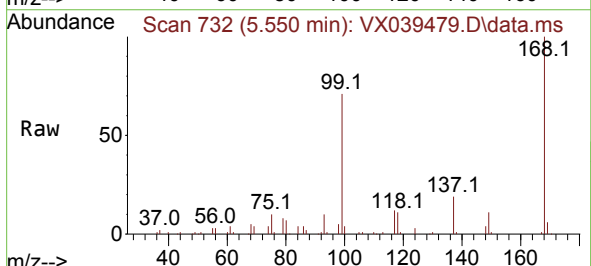
RT: 5.550 min Scan# 732

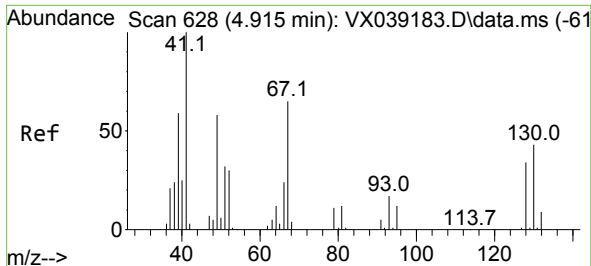
Delta R.T. -0.128 min

Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

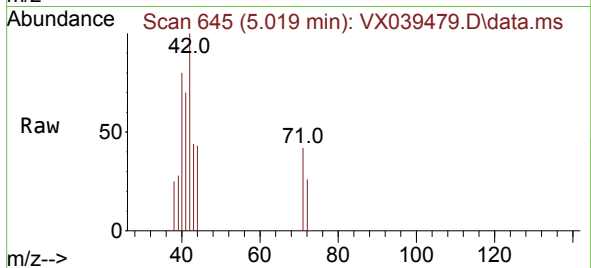
Tgt Ion: 117	Resp: 9645
Ion Ratio	Lower Upper
117	100
119	7.2 78.2 117.2
121	0.0 24.4 36.6



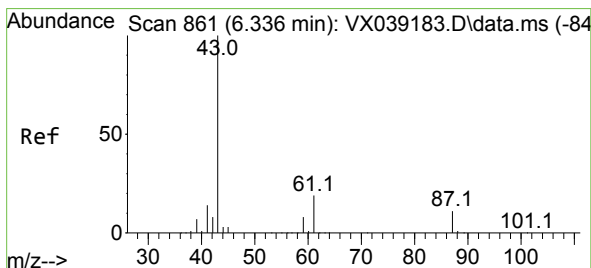
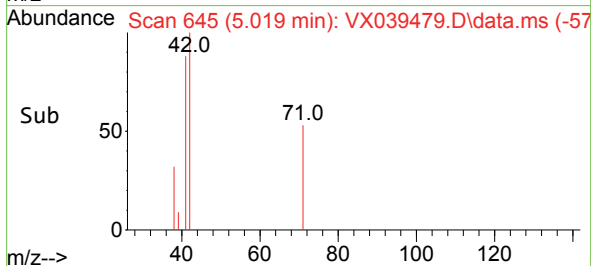
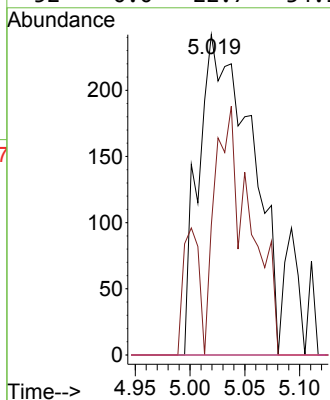


#41
Methacrylonitrile
Concen: 0.637 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.104 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :

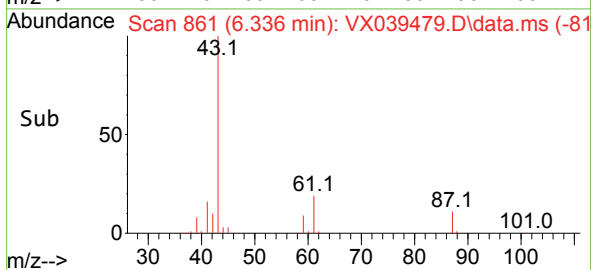
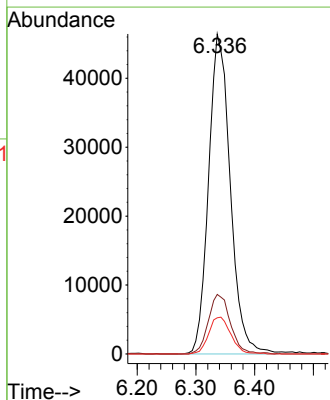
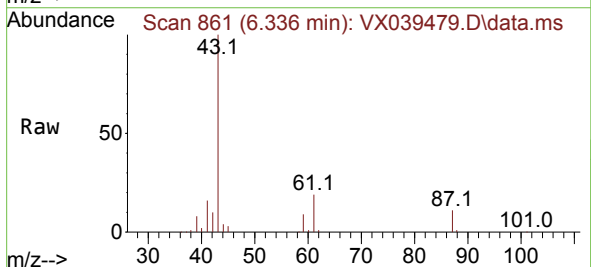


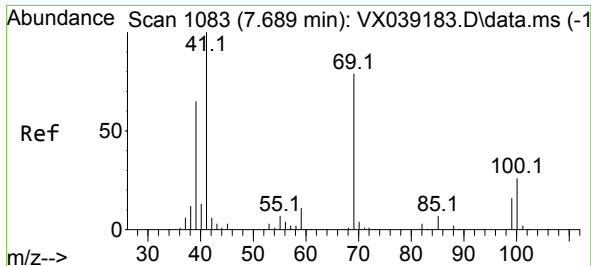
Tgt Ion:	41	Resp:	812
Ion	Ratio	Lower	Upper
41	100		
39	51.6	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 30.698 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Tgt Ion:	43	Resp:	119225
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	11.7	9.8	14.6





#48

Methyl methacrylate

Concen: 46.040 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

Instrument :

MSVOA_X

ClientSampleId :

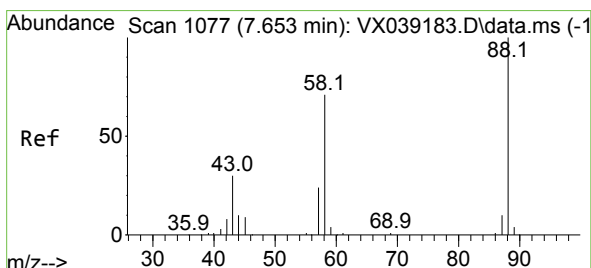
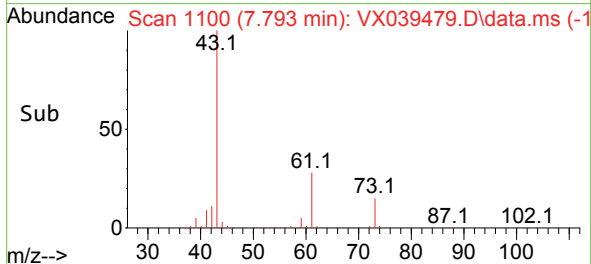
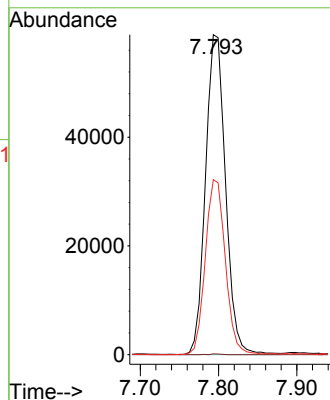
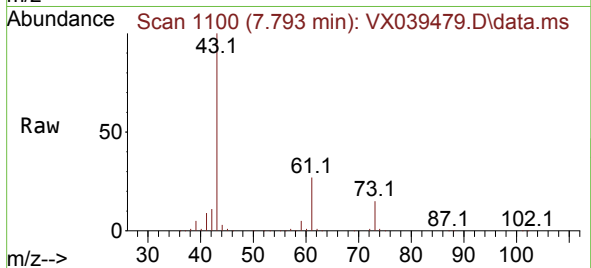
Tgt Ion: 41 Resp: 104537

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 54.9 47.7 71.5



#49

1,4-Dioxane

Concen: 1.111 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

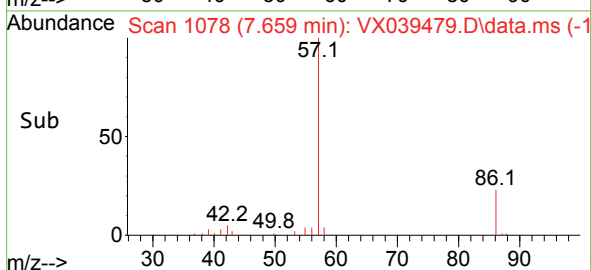
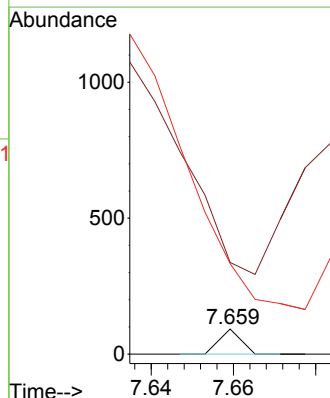
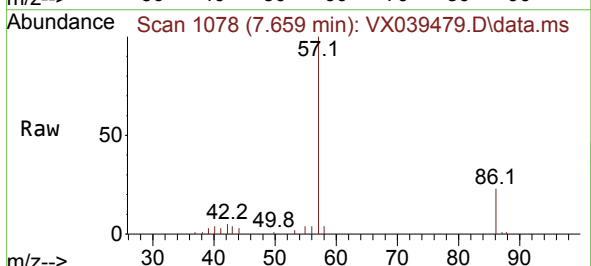
Tgt Ion: 88 Resp: 34

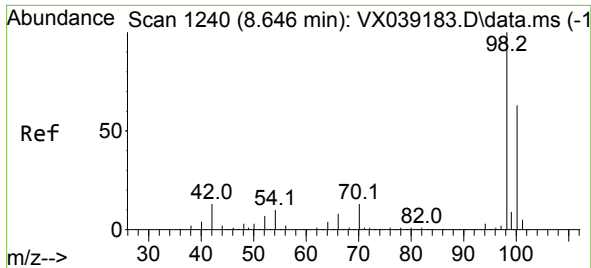
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#

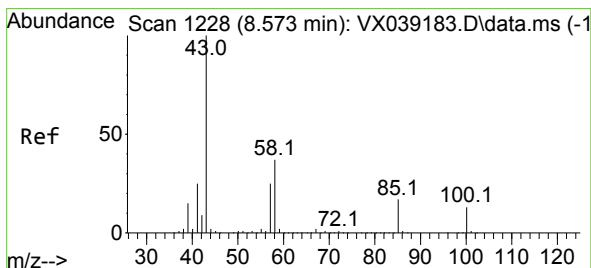
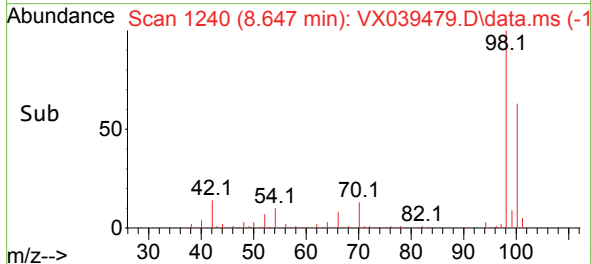
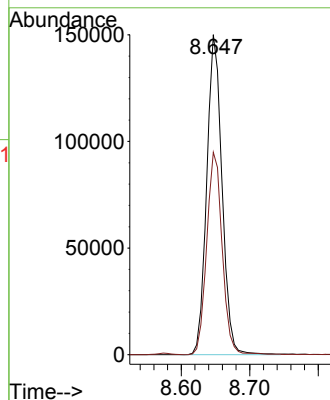
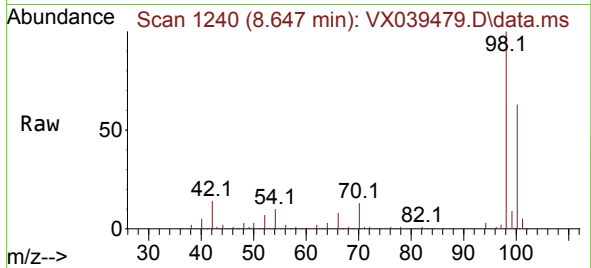




#50
Toluene-d8
Concen: 51.186 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

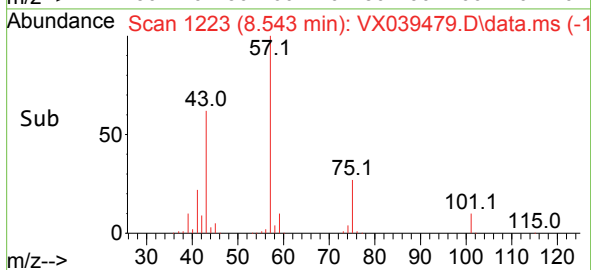
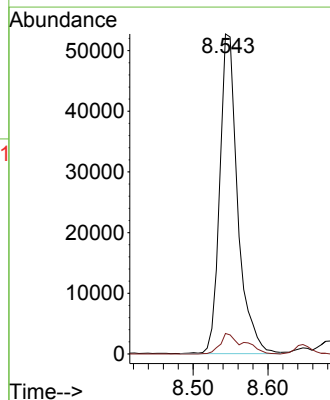
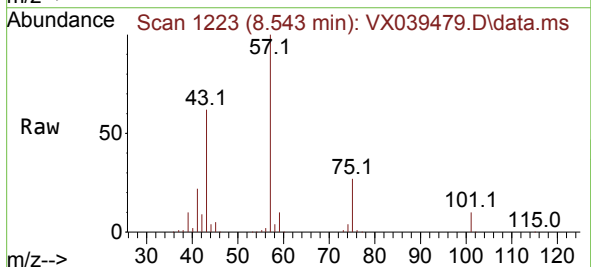
Instrument :
MSVOA_X
ClientSampleId :

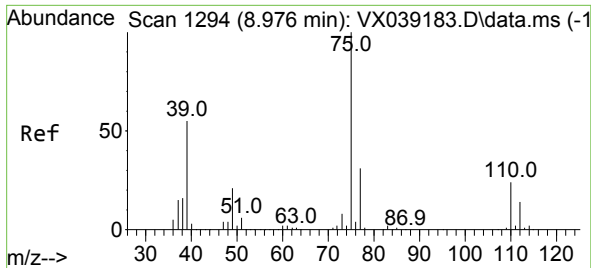
Tgt Ion: 98 Resp: 232802
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 35.674 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Tgt Ion: 43 Resp: 88279
Ion Ratio Lower Upper
43 100
58 8.4 30.4 45.6#

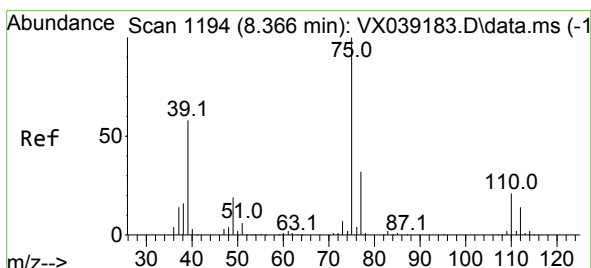
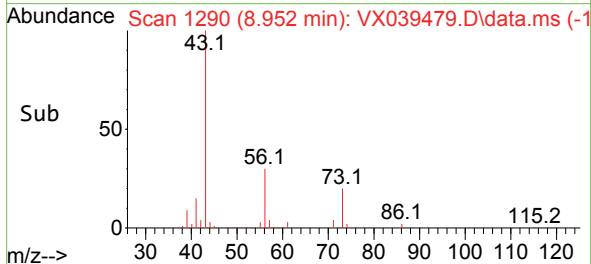
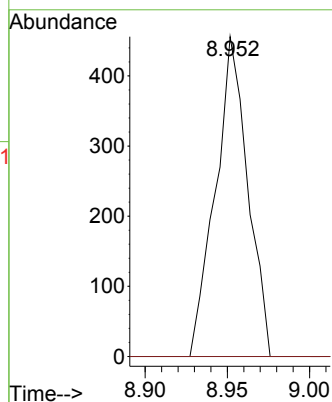
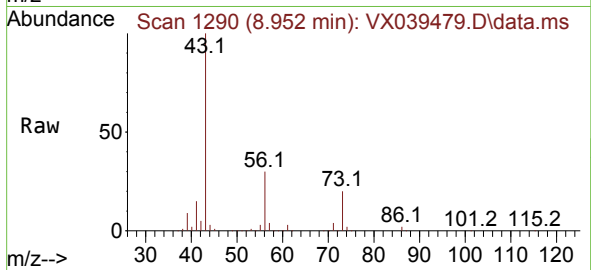




#53
 t-1,3-Dichloropropene
 Concen: 0.287 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX039479.D
 Acq: 26 Dec 2023 19:38

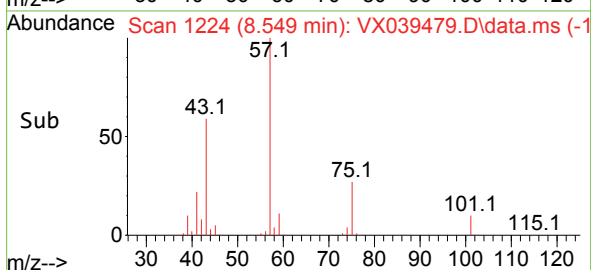
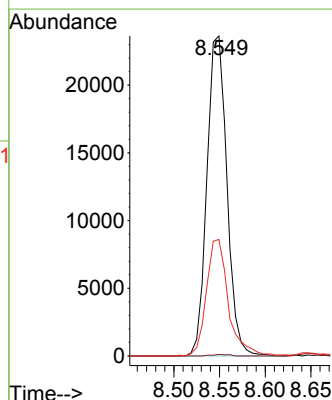
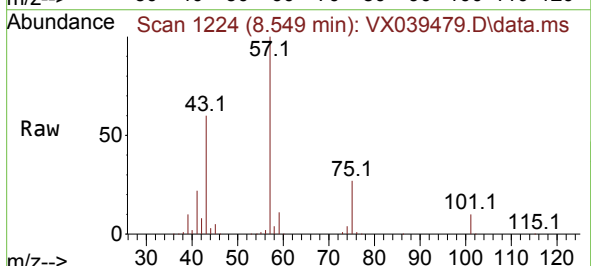
Instrument :
 MSVOA_X
 ClientSampleId :

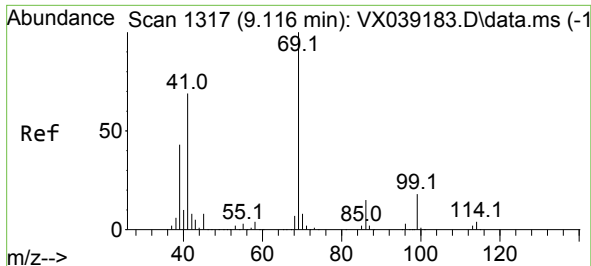
Tgt Ion: 75 Resp: 624
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.400 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039479.D
 Acq: 26 Dec 2023 19:38

Tgt Ion: 75 Resp: 35986
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 36.2 46.7 70.1#

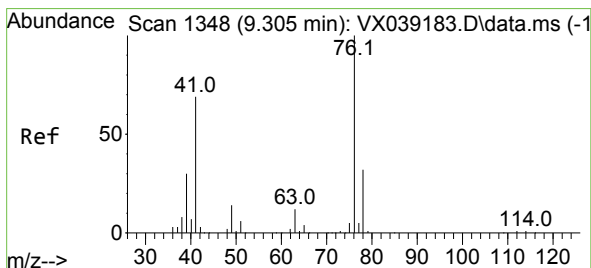
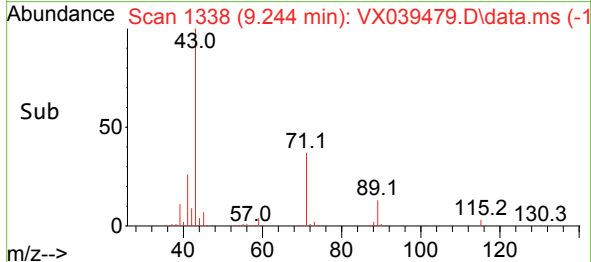
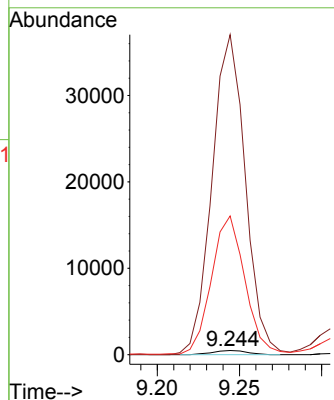
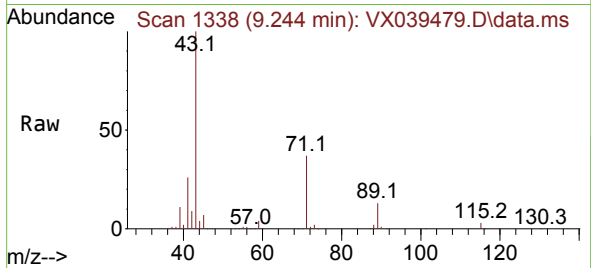




#56
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

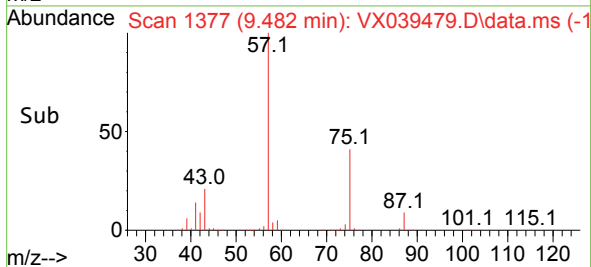
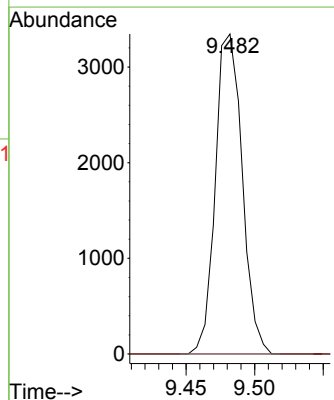
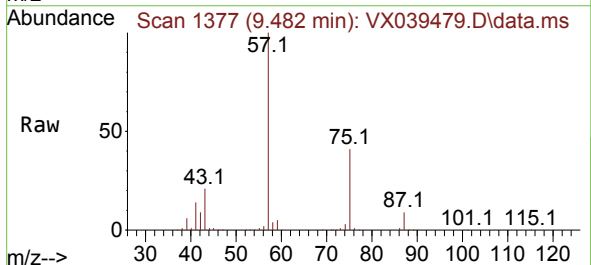
Instrument :
MSVOA_X
ClientSampleId :

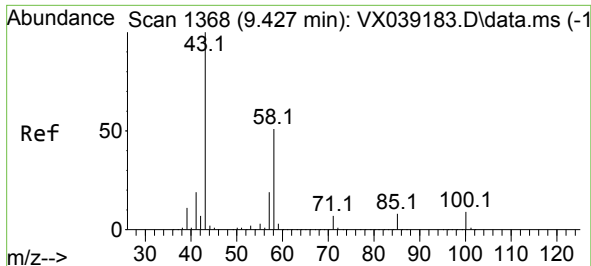
Tgt Ion: 69 Resp: 701
Ion Ratio Lower Upper
69 100
41 7450.1 56.8 85.2#
39 3224.8 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.912 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Tgt Ion: 76 Resp: 4554
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 32.820 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

Instrument :

MSVOA_X

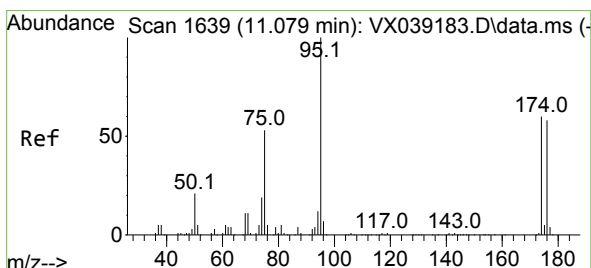
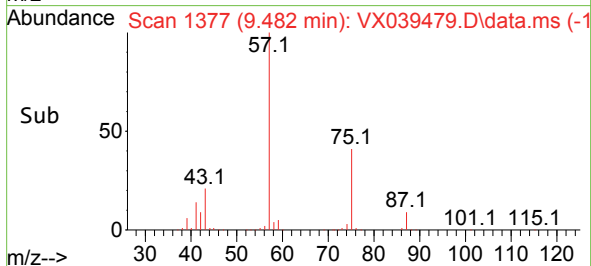
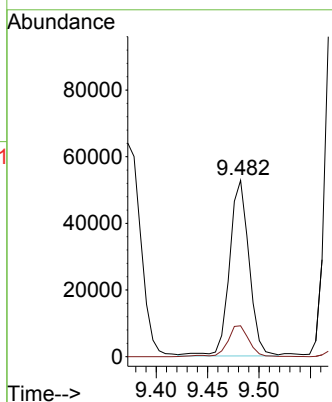
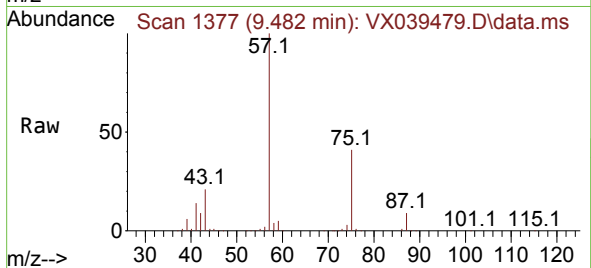
ClientSampleId :

Tgt Ion: 43 Resp: 70092

Ion Ratio Lower Upper

43 100

58 19.5 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 52.805 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

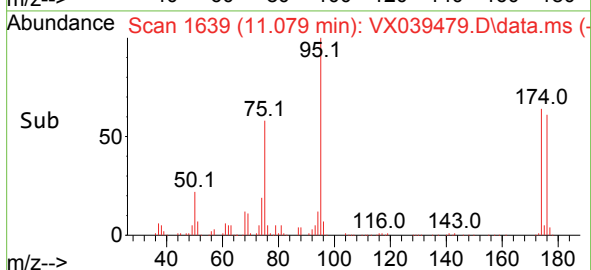
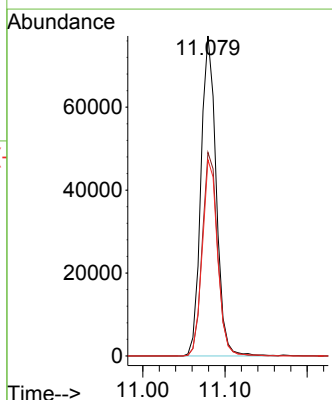
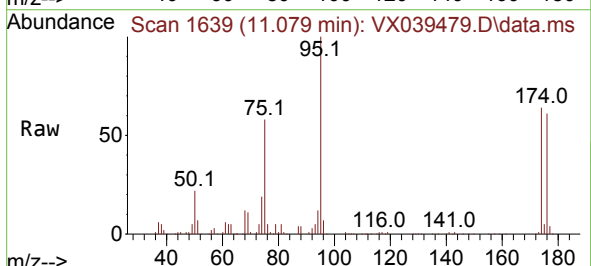
Tgt Ion: 95 Resp: 99091

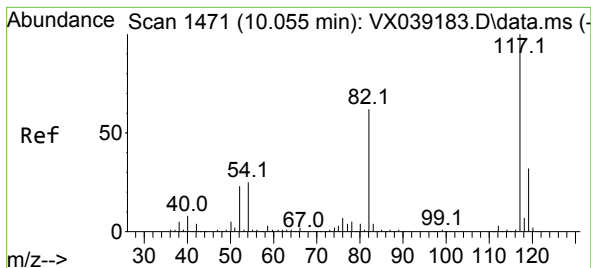
Ion Ratio Lower Upper

95 100

174 64.2 0.0 135.6

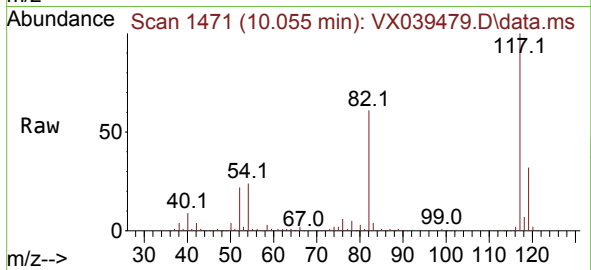
176 61.8 0.0 131.0



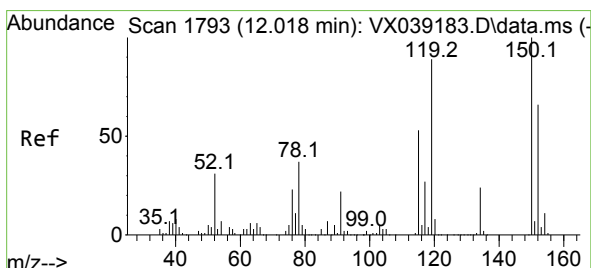
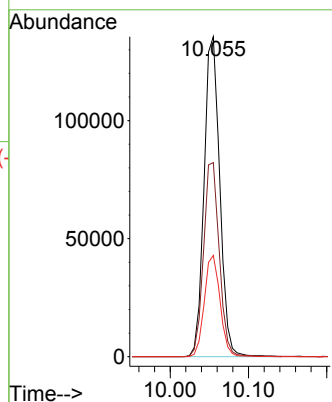
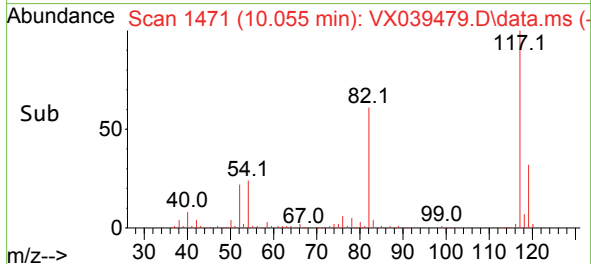


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :

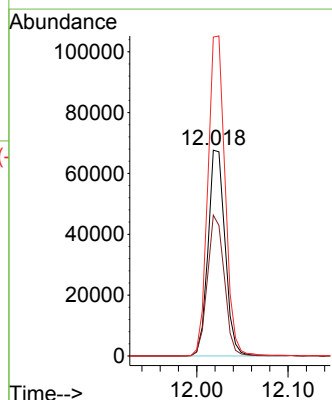
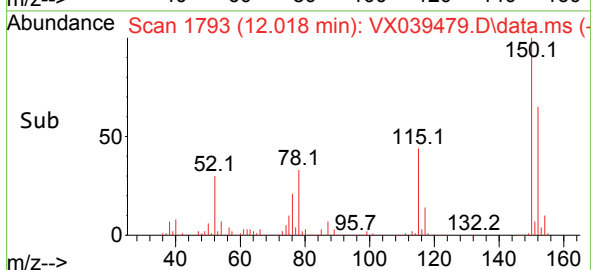
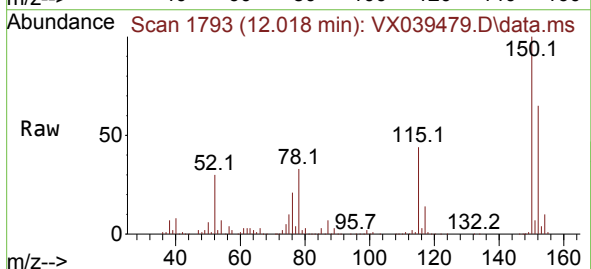


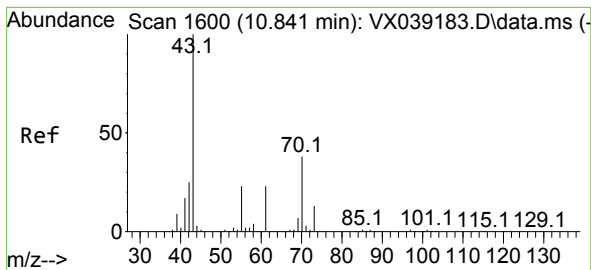
Tgt Ion:117 Resp: 188252
Ion Ratio Lower Upper
117 100
82 60.7 46.2 69.4
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039479.D
Acq: 26 Dec 2023 19:38

Tgt Ion:152 Resp: 87617
Ion Ratio Lower Upper
152 100
115 67.6 43.3 129.9
150 157.3 0.0 345.0





#74

N-amy1 acetate

Concen: 6.010 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

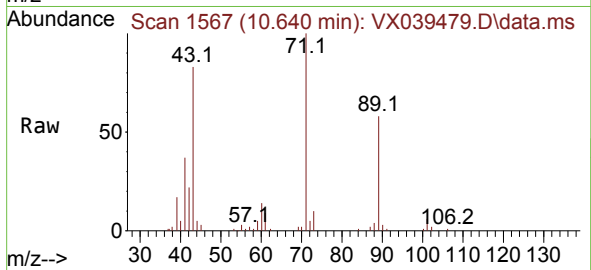
Lab File: VX039479.D

Acq: 26 Dec 2023 19:38

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 20556

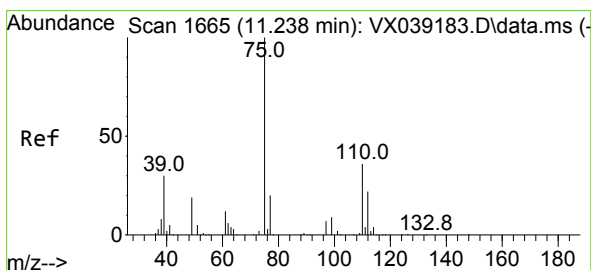
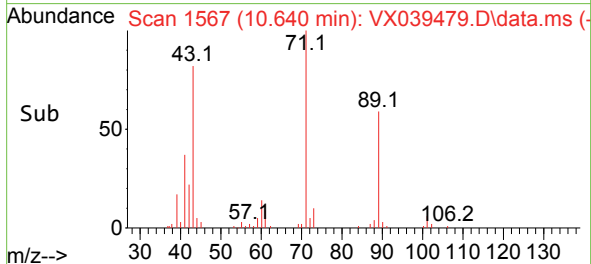
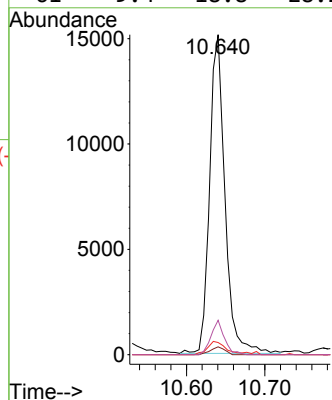
Ion Ratio Lower Upper

43 100

70 2.3 32.9 49.3#

55 4.9 19.3 28.9#

61 9.4 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.210 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039479.D

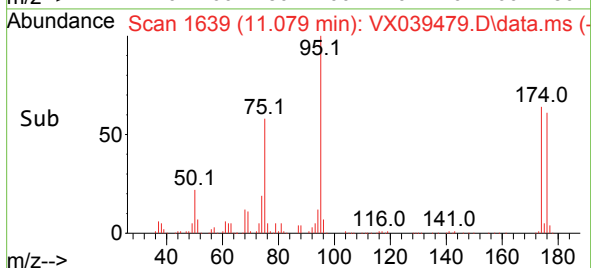
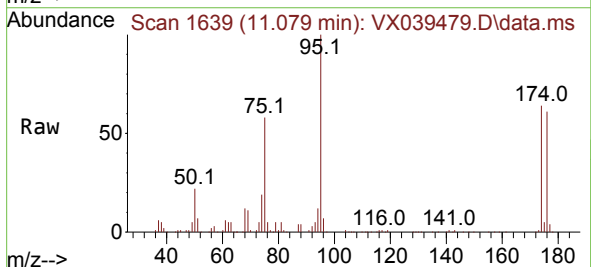
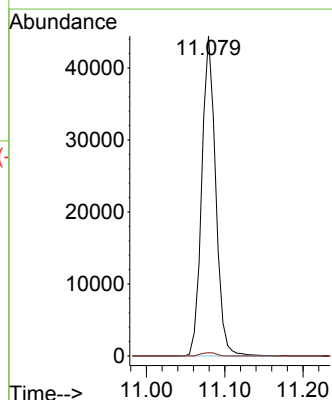
Acq: 26 Dec 2023 19:38

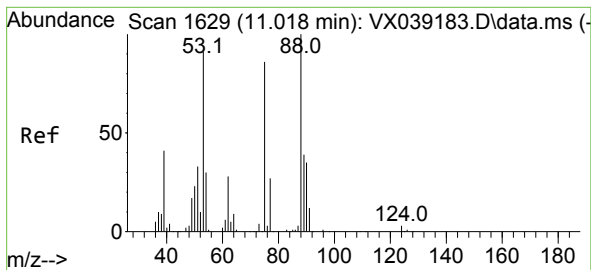
Tgt Ion: 75 Resp: 54879

Ion Ratio Lower Upper

75 100

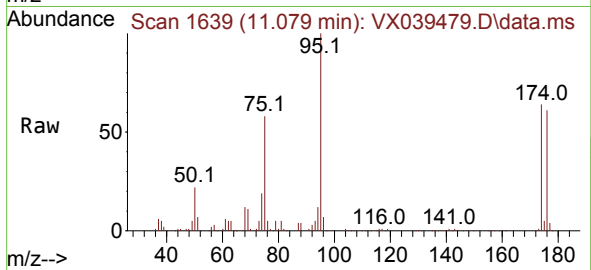
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.296 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039479.D
 Acq: 26 Dec 2023 19:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 54879
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

