

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038336.D
 Acq On : 17 Oct 2023 17:51
 Operator : JC/MD
 Sample : 04905-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 04:03:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

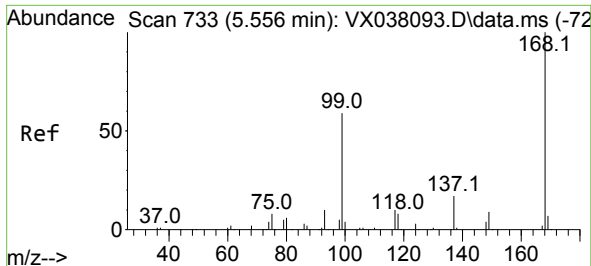
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	116914	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	215044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85264	45.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.680%		
35) Dibromofluoromethane	5.385	113	67622	43.640	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.280%		
50) Toluene-d8	8.647	98	280296	47.338	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.680%		
62) 4-Bromofluorobenzene	11.079	95	109681	48.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.720%		
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	19	Below Cal	#	3
6) Chloroethane	1.691	64	59	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	1288	Below Cal	#	78
13) Acrolein	2.233	56	183	0.685	ug/l	92
16) Acetone	2.374	43	22369	28.502	ug/l	92
17) Carbon Disulfide	2.508	76	1486	0.482	ug/l	96
18) Methyl Acetate	2.703	43	1085	0.322	ug/l	# 81
20) Methylene Chloride	2.788	84	12493	8.463	ug/l	92
25) 2-Butanone	4.562	43	2926	2.311	ug/l	98
29) Tetrahydrofuran	5.032	42	473	0.574	ug/l	# 58
31) Cyclohexane	5.550	56	3041	1.493	ug/l	# 38
36) 1,1-Dichloropropene	5.544	75	10147	4.749	ug/l	# 50
37) Ethyl Acetate	4.715	43	2904	1.144	ug/l	# 90
38) Carbon Tetrachloride	5.550	117	12022	5.719	ug/l	# 16
43) Isopropyl Acetate	6.342	43	98002	25.869	ug/l	97
48) Methyl methacrylate	7.799	41	100318	55.470	ug/l	# 50
49) 1,4-Dioxane	7.793	88	150	3.366	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	75611	28.936	ug/l	# 52
53) t-1,3-Dichloropropene	8.952	75	640	0.279	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	35117	14.590	ug/l	# 59
56) Ethyl methacrylate	9.244	69	846	0.331	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5086	1.888	ug/l	# 42
59) 2-Hexanone	9.482	43	67128	31.955	ug/l	# 55
74) N-amyl acetate	10.640	43	18609	5.544	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	60137	22.567	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	60137	64.613	ug/l	# 5

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

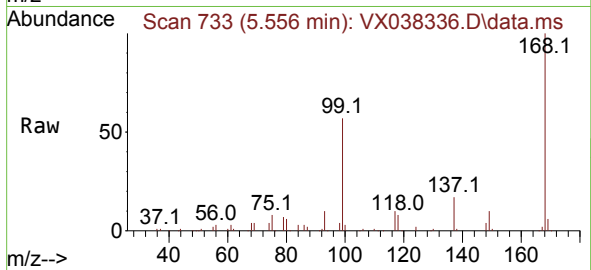
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



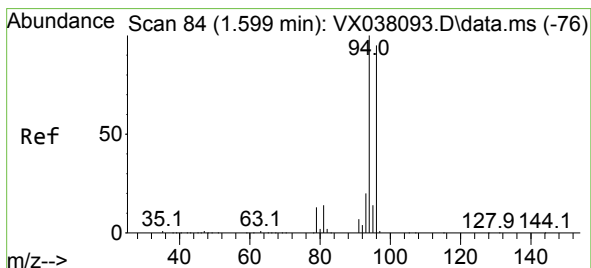
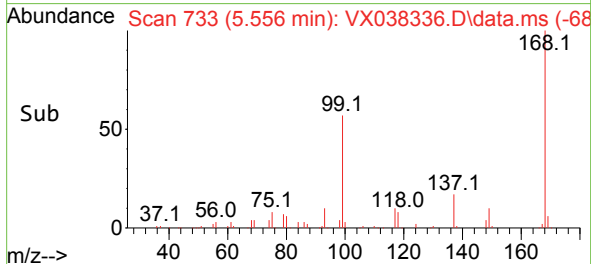
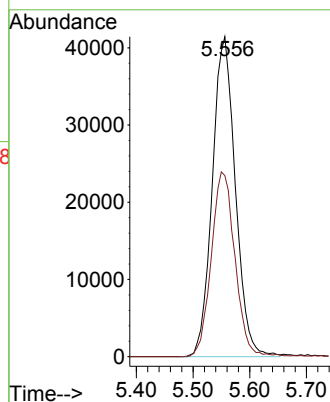


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Instrument :
MSVOA_X
ClientSampleId :

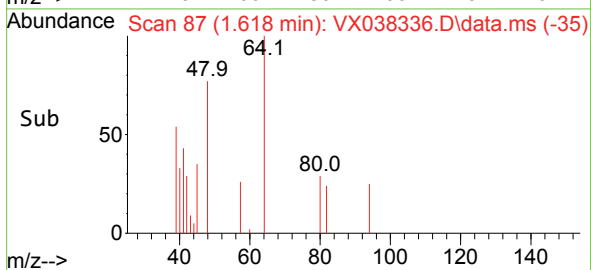
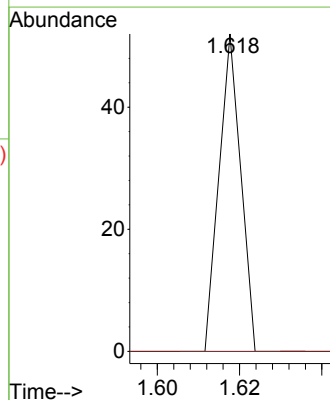
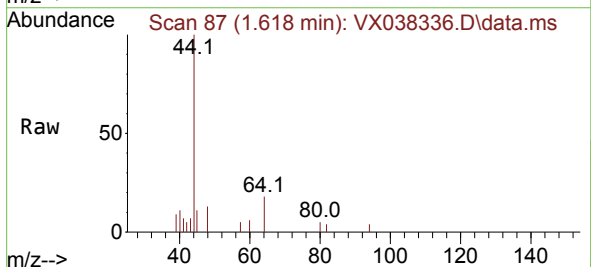


Tgt Ion:168 Resp: 116914
Ion Ratio Lower Upper
168 100
99 56.6 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

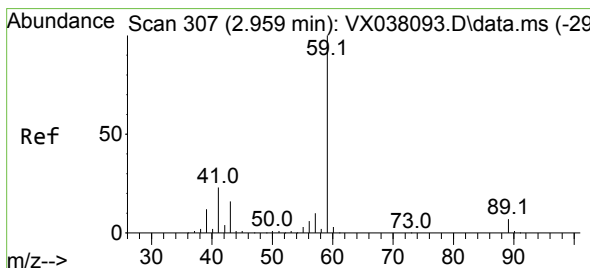
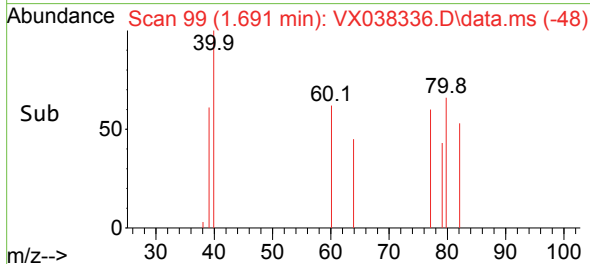
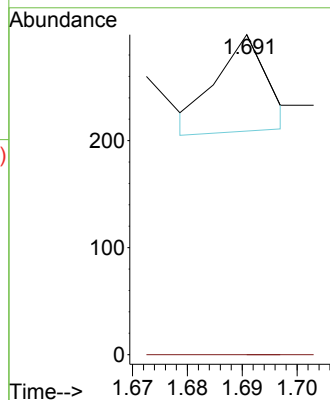
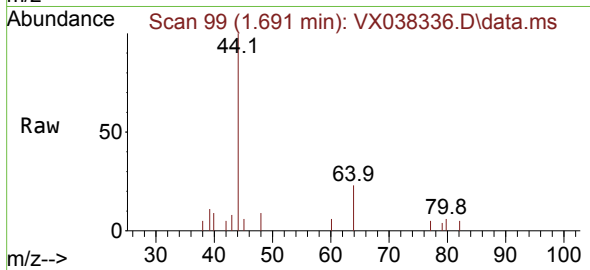




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

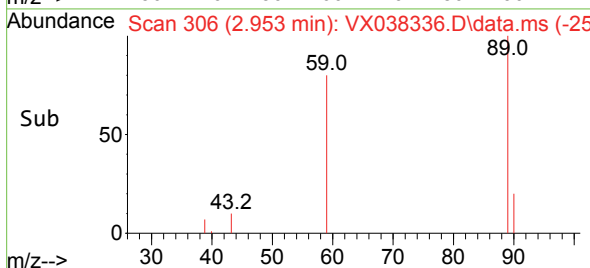
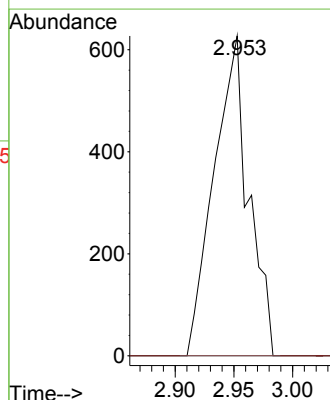
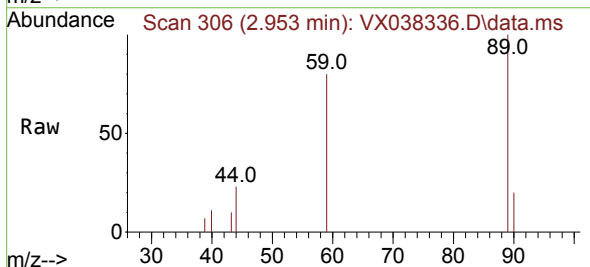
Instrument :
MSVOA_X
ClientSampleId :

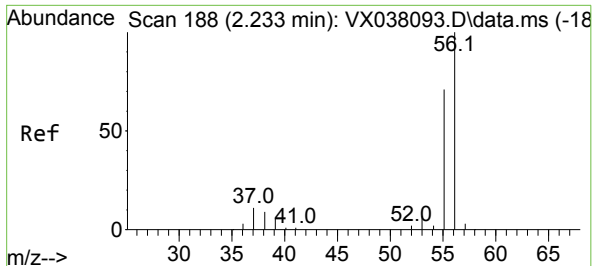
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Tgt Ion: 59 Resp: 1288
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.685 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

Instrument :

MSVOA_X

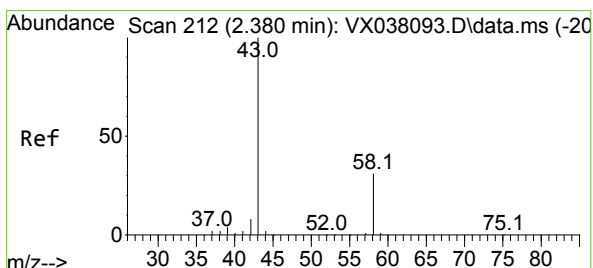
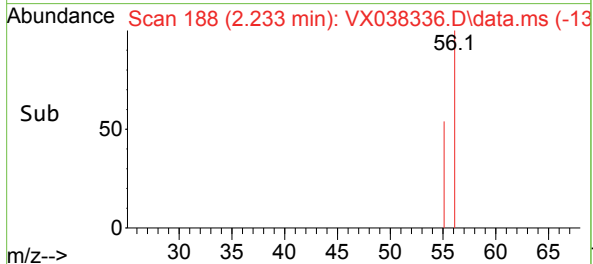
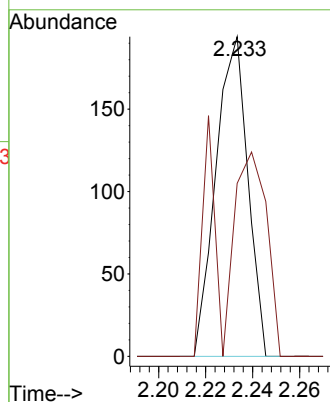
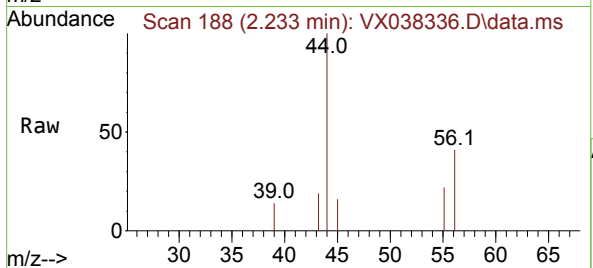
ClientSampleId :

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 64.5 57.1 85.7



#16

Acetone

Concen: 28.502 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX038336.D

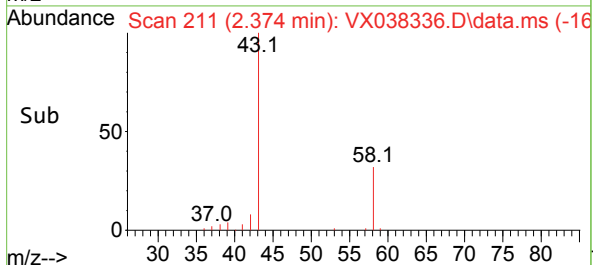
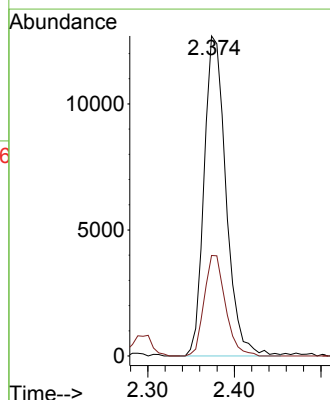
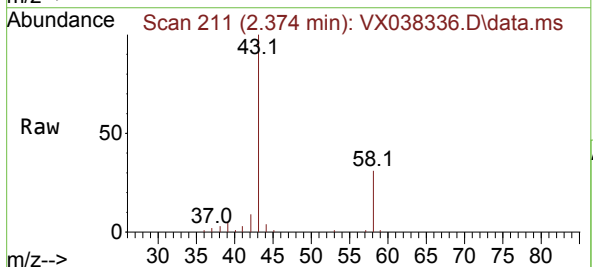
Acq: 17 Oct 2023 17:51

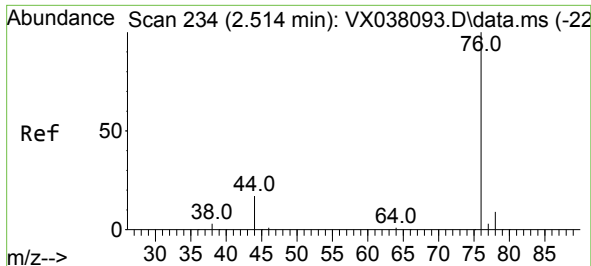
Tgt Ion: 43 Resp: 22369

Ion Ratio Lower Upper

43 100

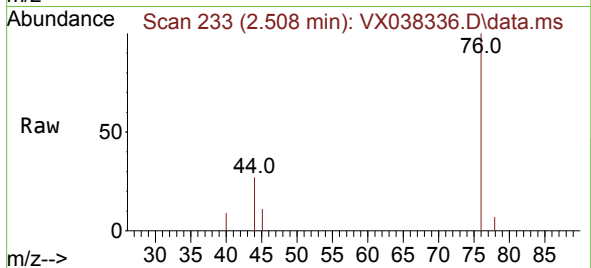
58 31.4 21.9 32.9



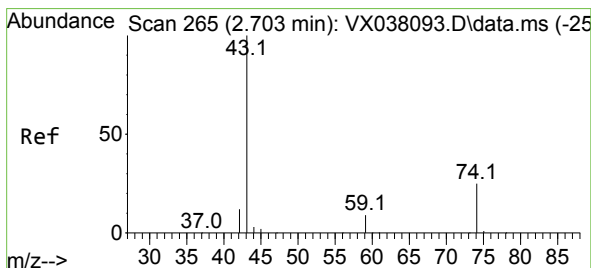
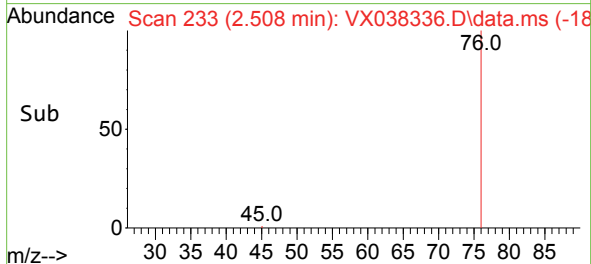
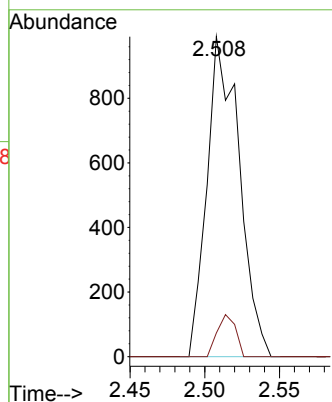


#17
Carbon Disulfide
Concen: 0.482 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Instrument :
MSVOA_X
ClientSampleId :

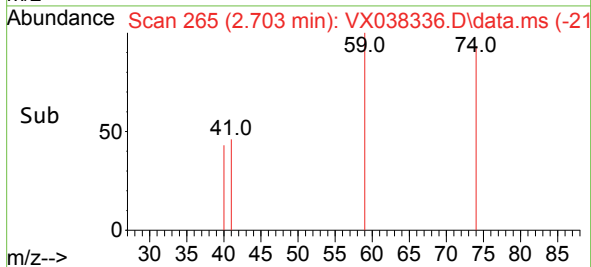
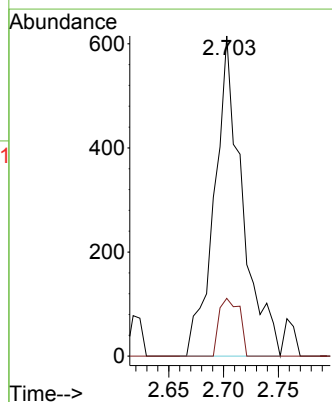
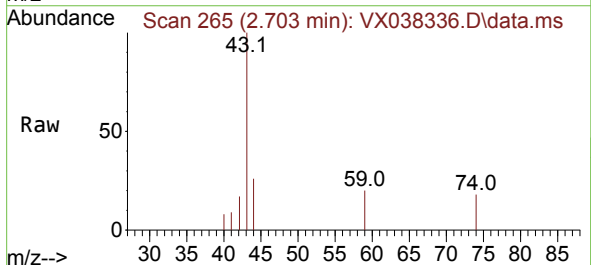


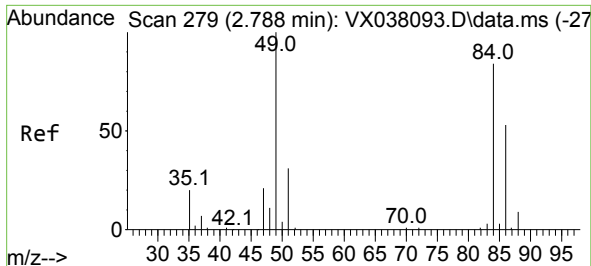
Tgt Ion: 76 Resp: 1486
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.6



#18
Methyl Acetate
Concen: 0.322 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

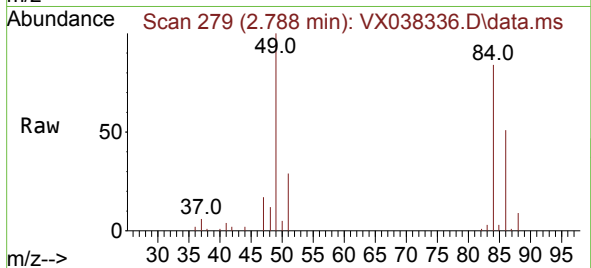
Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
74 13.4 17.8 26.8#



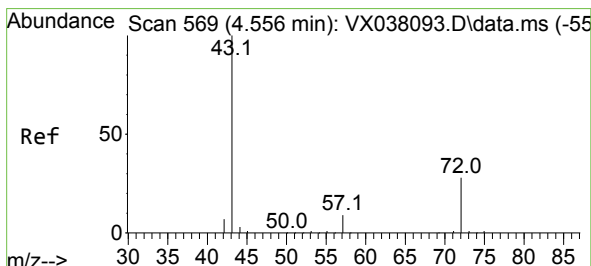
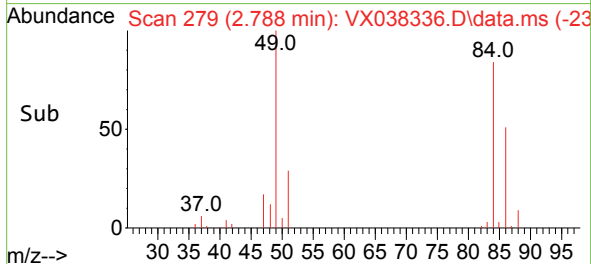
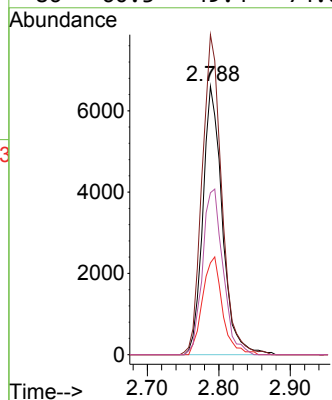


#20
Methylene Chloride
Concen: 8.463 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Instrument :
MSVOA_X
ClientSampleId :

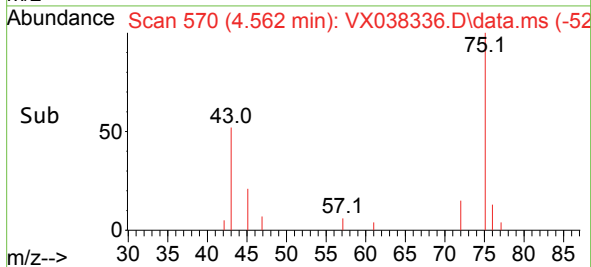
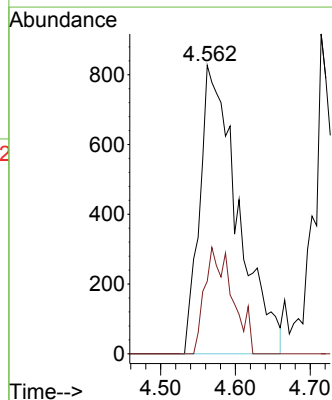
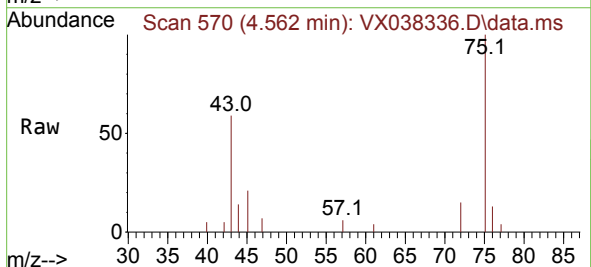


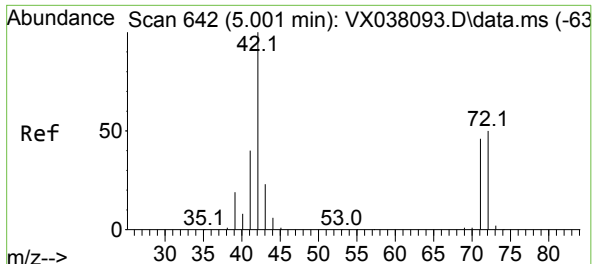
Tgt Ion:	84	Resp:	12493
Ion	Ratio	Lower	Upper
84	100		
49	119.3	103.6	155.4
51	34.2	33.8	50.6
86	60.3	49.4	74.0



#25
2-Butanone
Concen: 2.311 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Tgt Ion:	43	Resp:	2926
Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.031 min

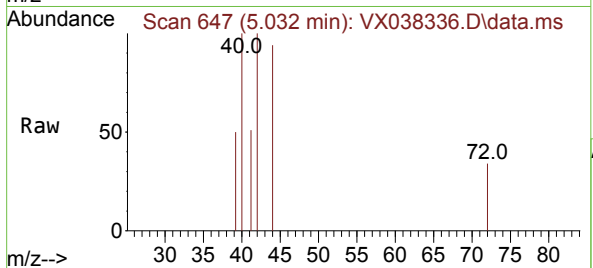
Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

Instrument :

MSVOA_X

ClientSampleId :



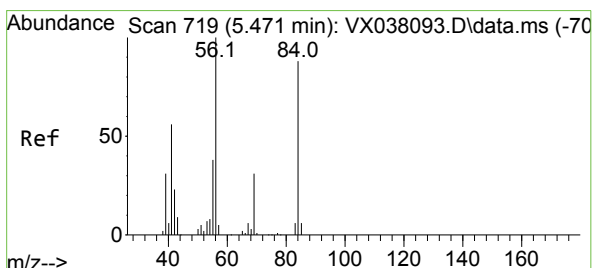
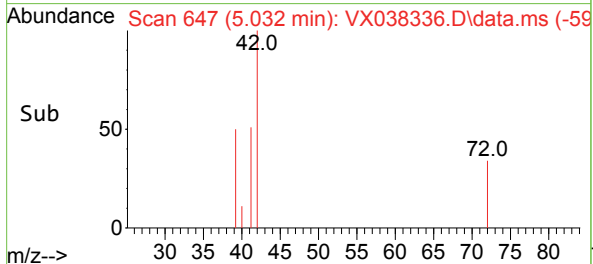
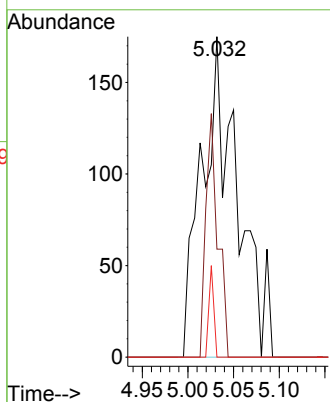
Tgt Ion: 42 Resp: 473

Ion Ratio Lower Upper

42 100

72 25.6 34.2 51.4#

71 3.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.493 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

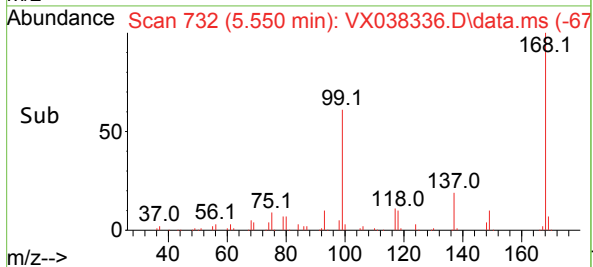
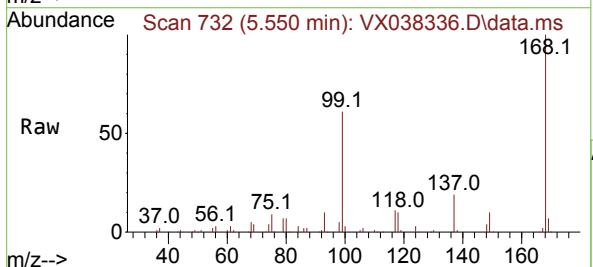
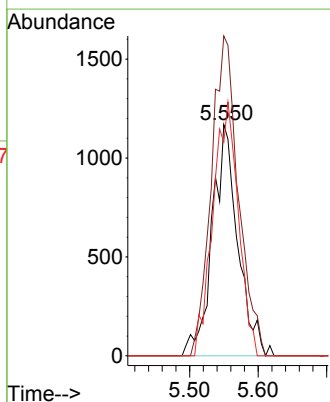
Tgt Ion: 56 Resp: 3041

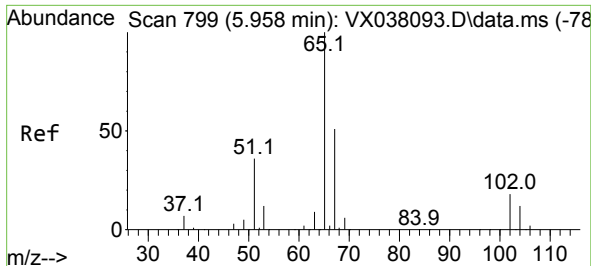
Ion Ratio Lower Upper

56 100

69 138.3 23.4 35.2#

84 92.5 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 45.341 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

Instrument :

MSVOA_X

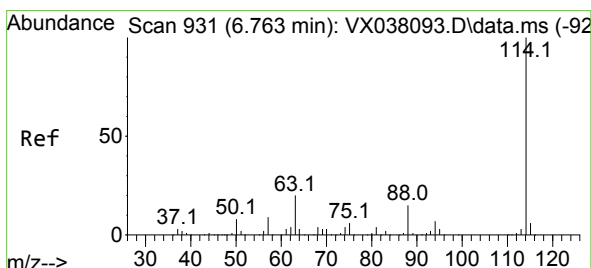
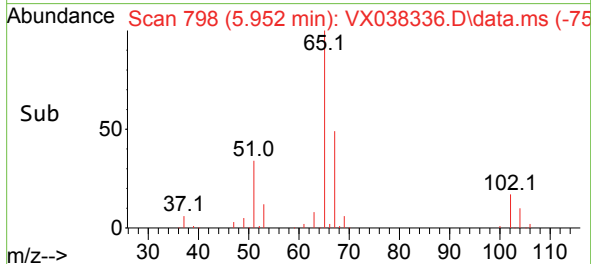
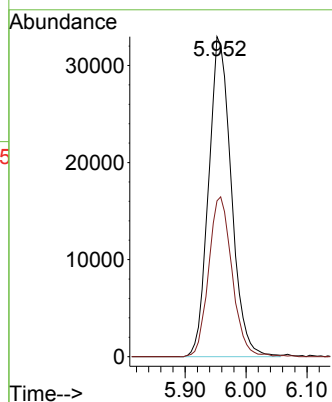
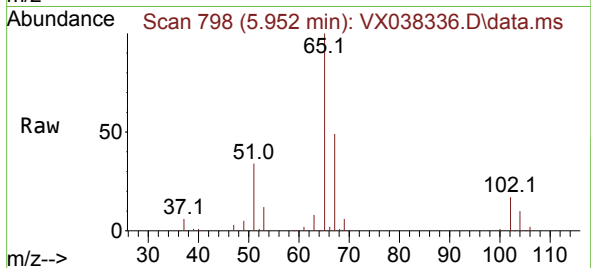
ClientSampleId :

Tgt Ion: 65 Resp: 85264

Ion Ratio Lower Upper

65 100

67 51.4 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: VX038336.D

Acq: 17 Oct 2023 17:51

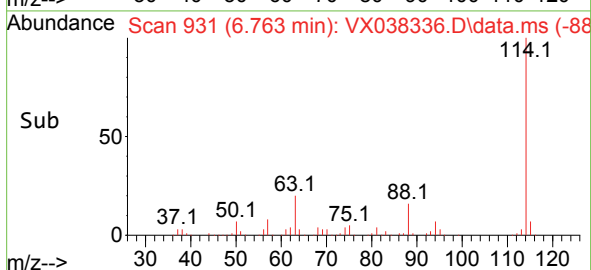
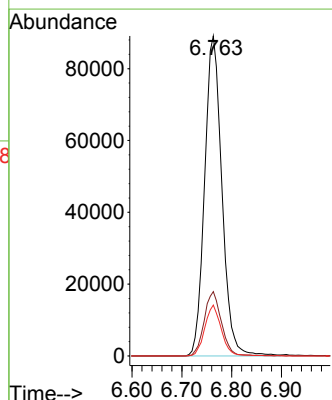
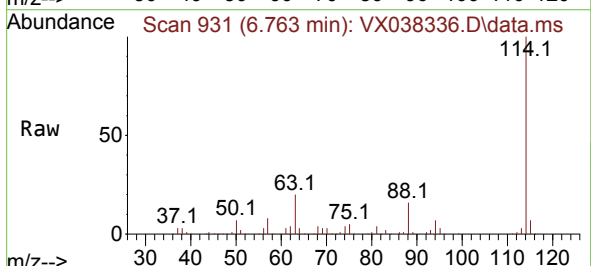
Tgt Ion:114 Resp: 215044

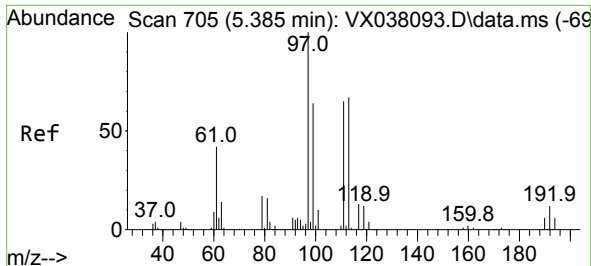
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

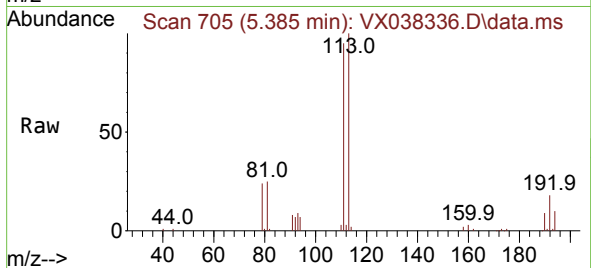
88 15.9 0.0 36.6



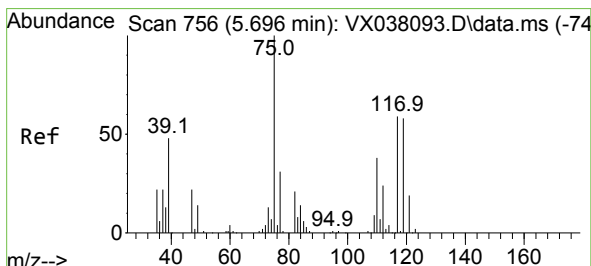
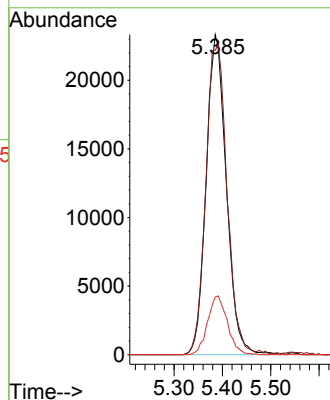
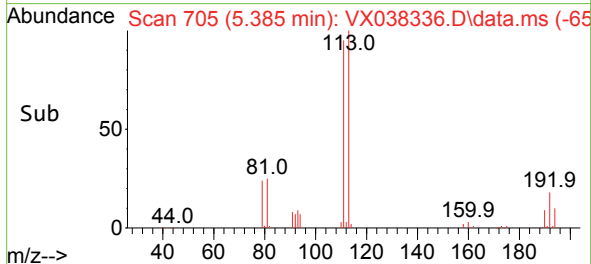


#35
Dibromofluoromethane
Concen: 43.640 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Instrument :
MSVOA_X
ClientSampleId :

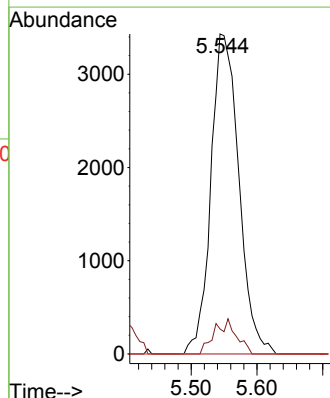
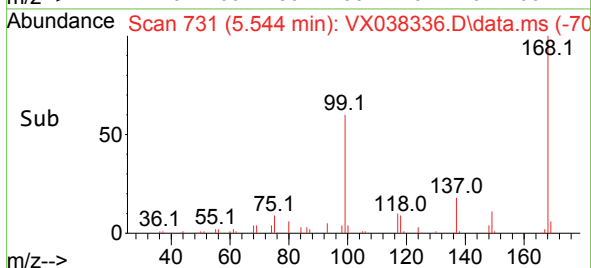
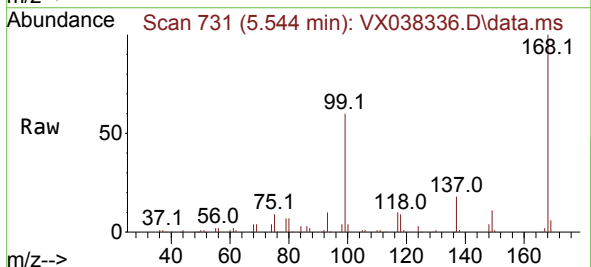


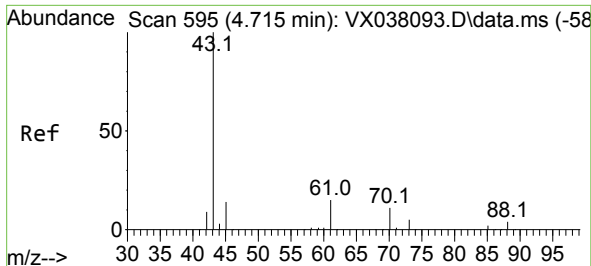
Tgt Ion:113 Resp: 67622
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.749 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Tgt Ion: 75 Resp: 10147
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.144 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

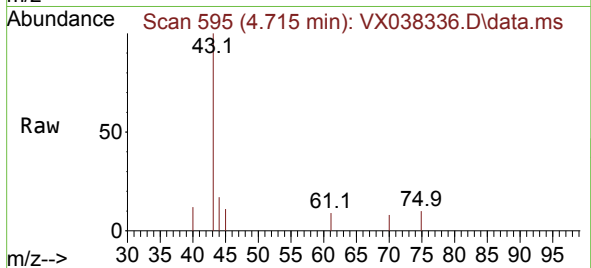
Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

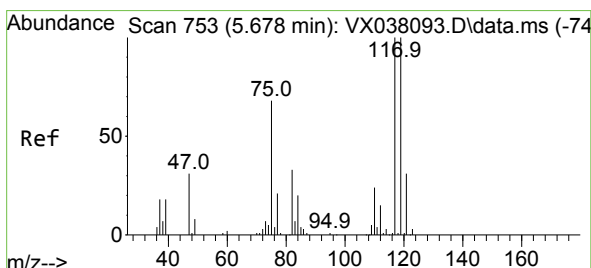
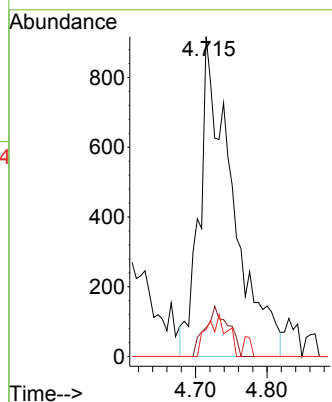
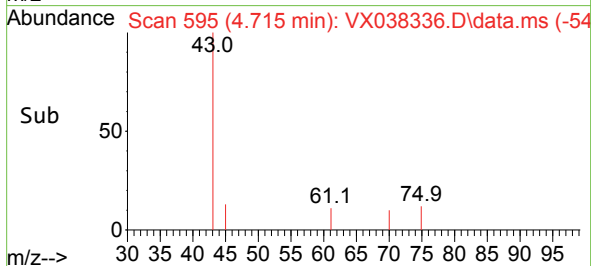
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2904
Ion	Ratio	Lower	Upper
43	100		
61	11.3	10.6	16.0
70	4.0	8.3	12.5



#38

Carbon Tetrachloride

Concen: 5.719 ug/l

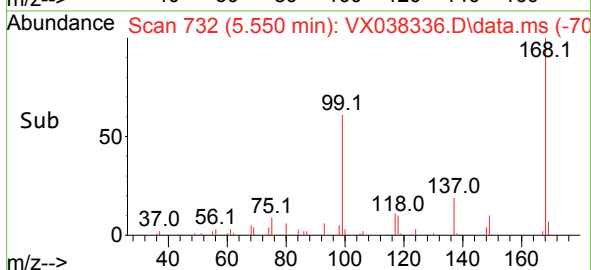
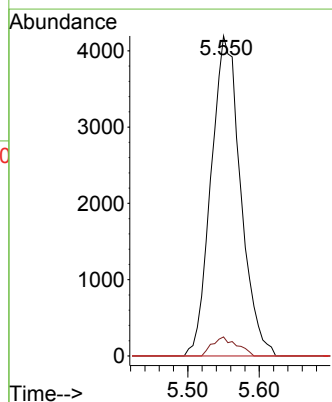
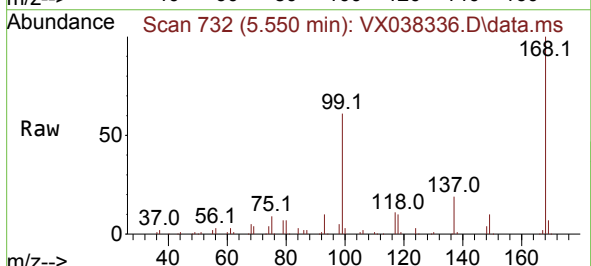
RT: 5.550 min Scan# 732

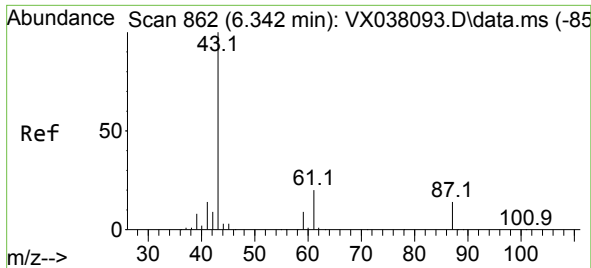
Delta R.T. -0.128 min

Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

Tgt Ion:	117	Resp:	12022
Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.2	117.2
121	0.0	24.4	36.6

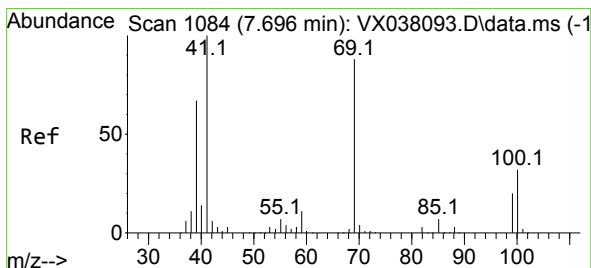
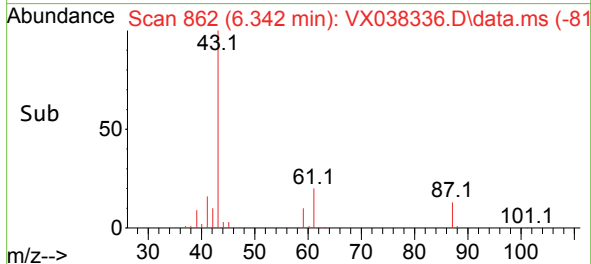
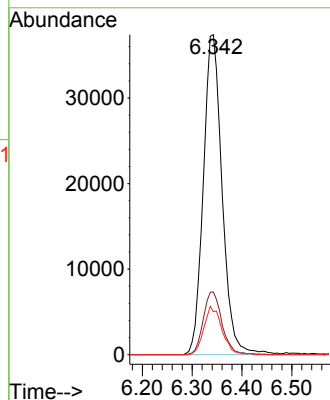
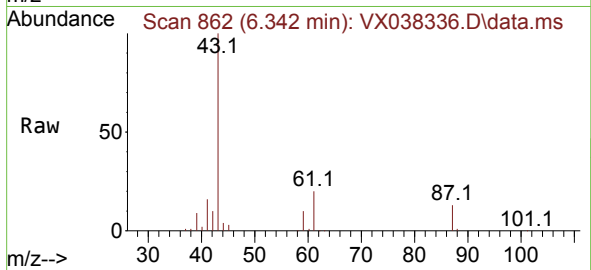




#43
Isopropyl Acetate
Concen: 25.869 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

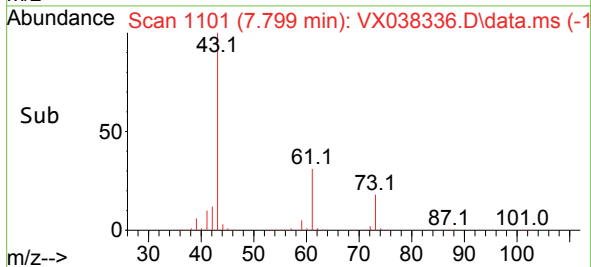
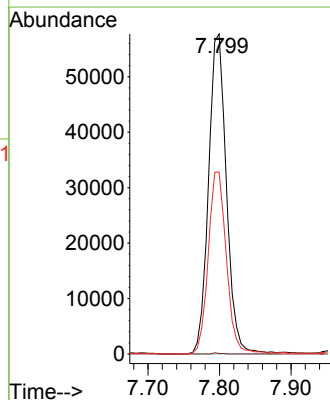
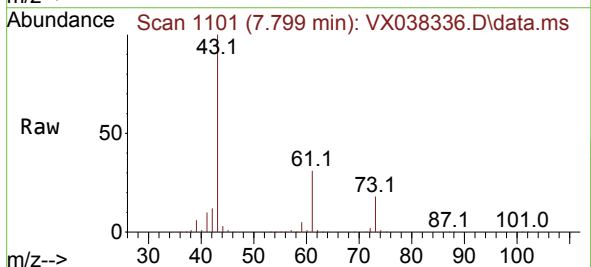
Instrument :
MSVOA_X
ClientSampleId :

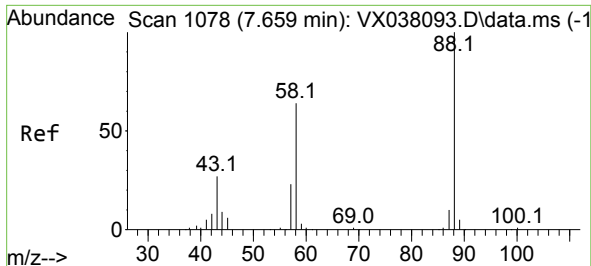
Tgt Ion: 43 Resp: 98002
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 14.5 9.8 14.6



#48
Methyl methacrylate
Concen: 55.470 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Tgt Ion: 41 Resp: 100318
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 57.7 47.7 71.5

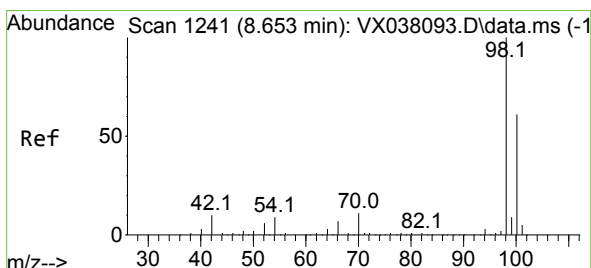
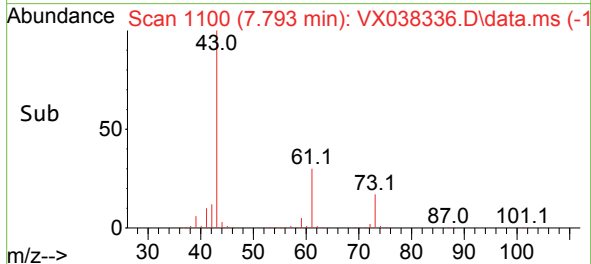
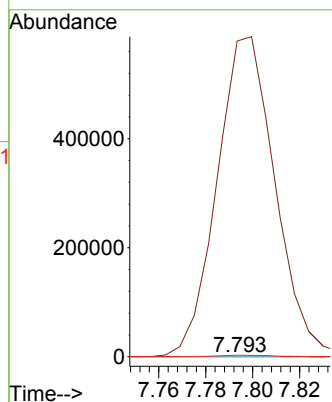
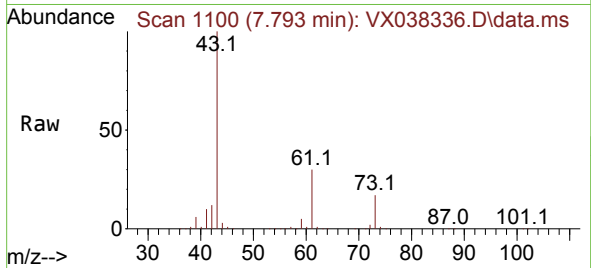




#49
1,4-Dioxane
Concen: 3.366 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

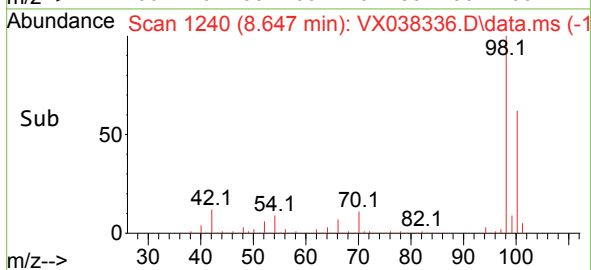
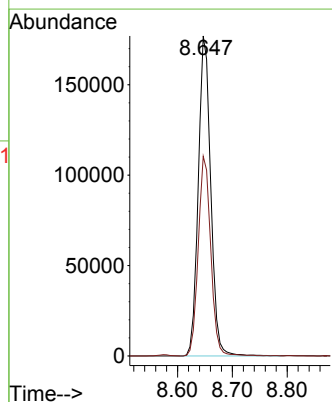
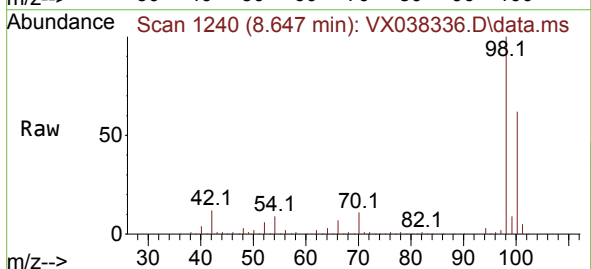
Instrument :
MSVOA_X
ClientSampleId :

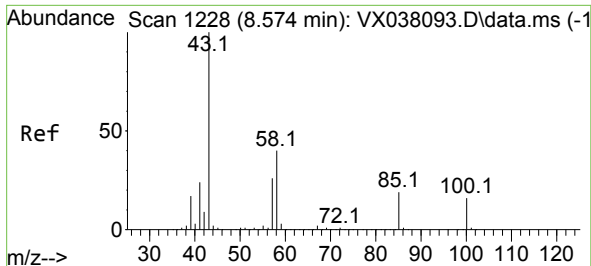
Tgt Ion: 88 Resp: 150
Ion Ratio Lower Upper
88 100
43 682861.3 0.0 0.0#
58 2996.7 60.1 90.1#



#50
Toluene-d8
Concen: 47.338 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Tgt Ion: 98 Resp: 280296
Ion Ratio Lower Upper
98 100
100 62.7 53.1 79.7

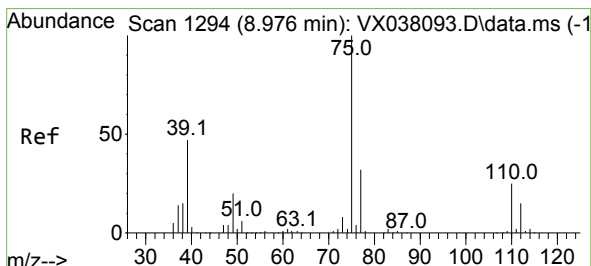
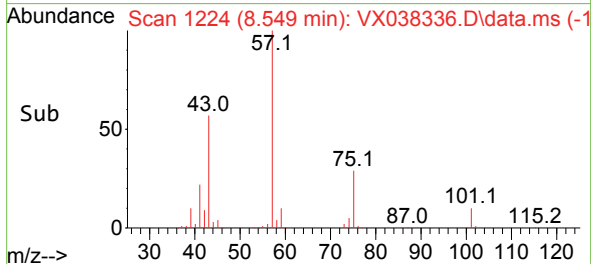
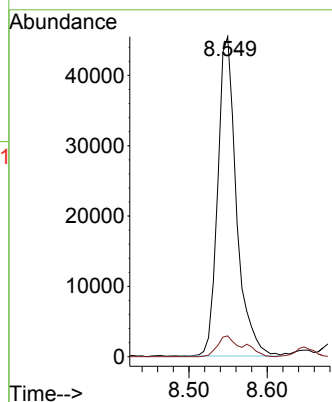
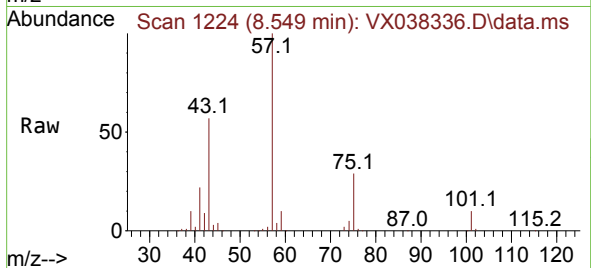




#51
4-Methyl-2-Pentanone
Concen: 28.936 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

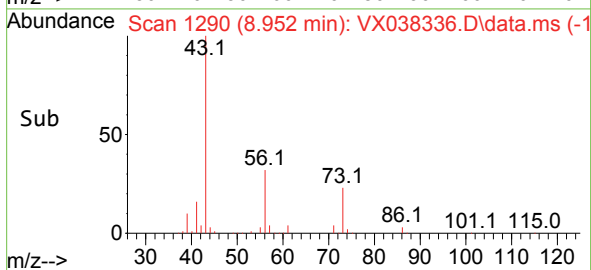
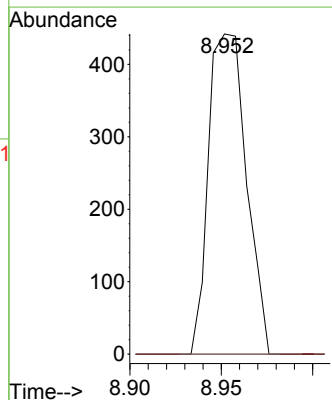
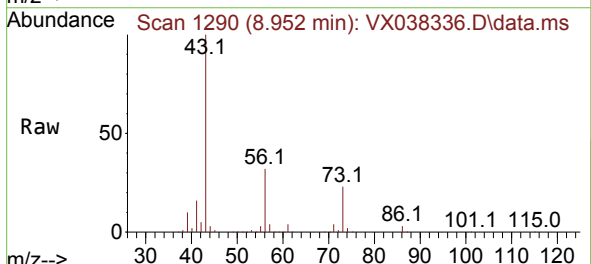
Instrument :
MSVOA_X
ClientSampleId :

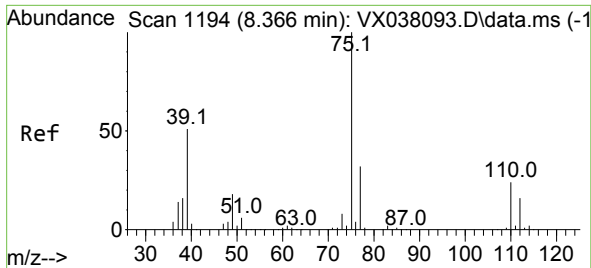
Tgt Ion: 43 Resp: 75611
Ion Ratio Lower Upper
43 100
58 8.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.279 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

Tgt Ion: 75 Resp: 640
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

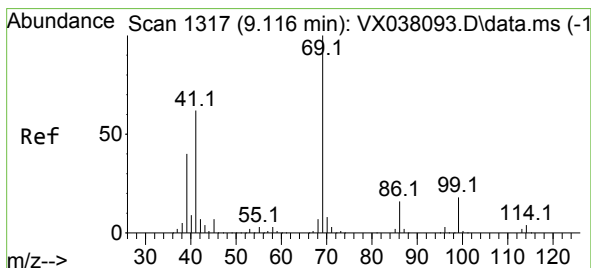
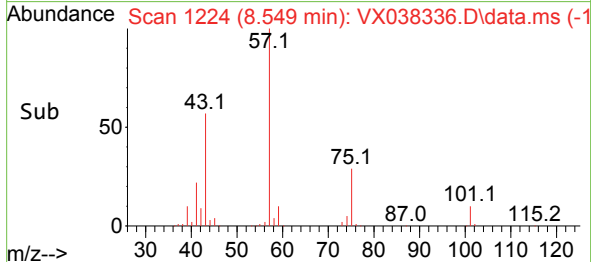
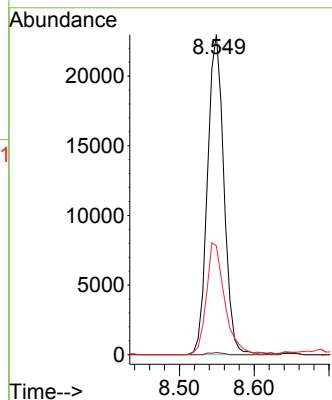
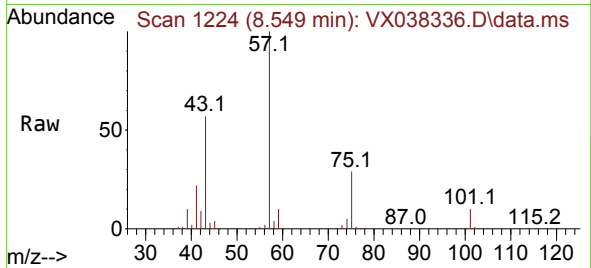




#54
 cis-1,3-Dichloropropene
 Concen: 14.590 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038336.D
 Acq: 17 Oct 2023 17:51

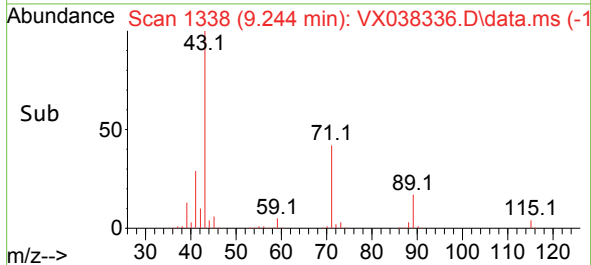
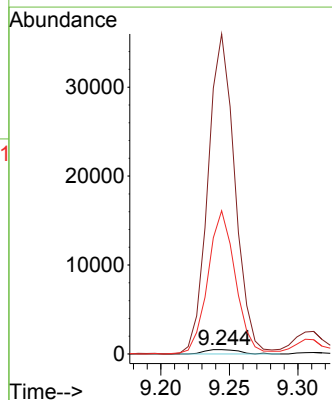
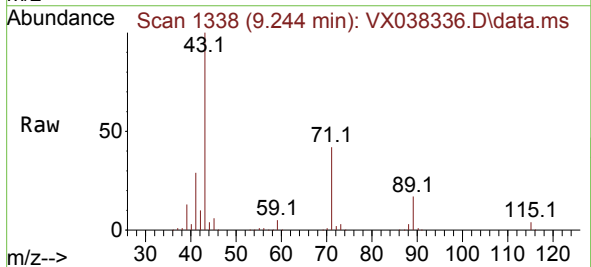
Instrument :
 MSVOA_X
 ClientSampleId :

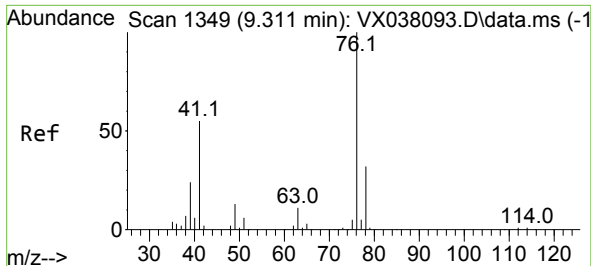
Tgt Ion: 75 Resp: 35117
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 34.1 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.331 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX038336.D
 Acq: 17 Oct 2023 17:51

Tgt Ion: 69 Resp: 846
 Ion Ratio Lower Upper
 69 100
 41 5820.7 56.8 85.2#
 39 2677.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.888 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

Instrument :

MSVOA_X

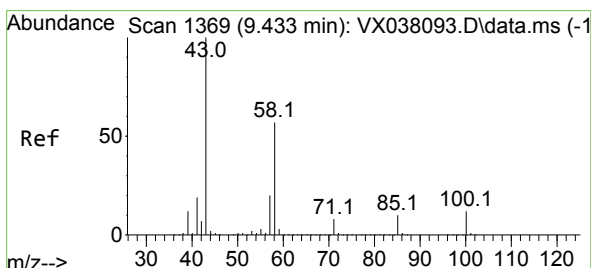
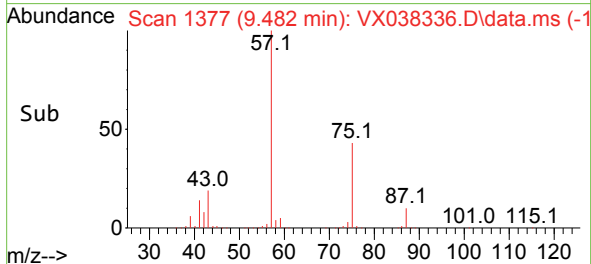
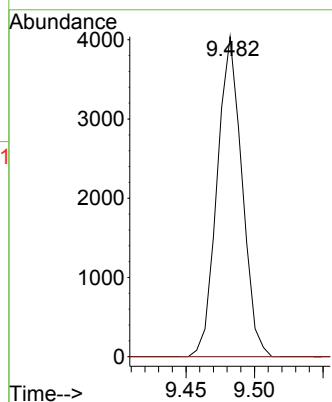
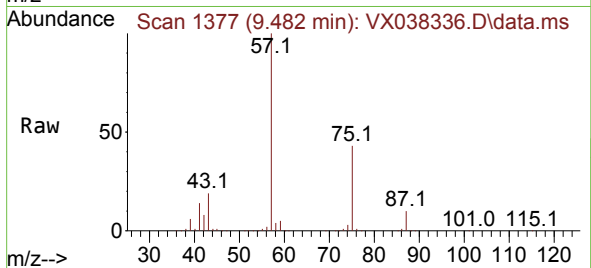
ClientSampleId :

Tgt Ion: 76 Resp: 5086

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 31.955 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038336.D

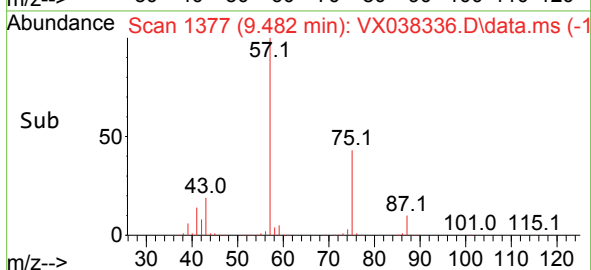
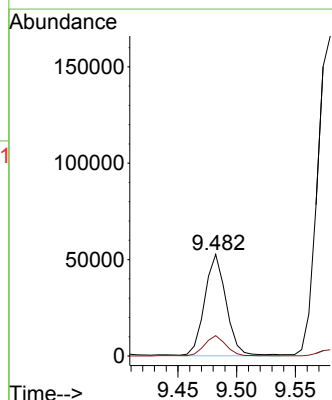
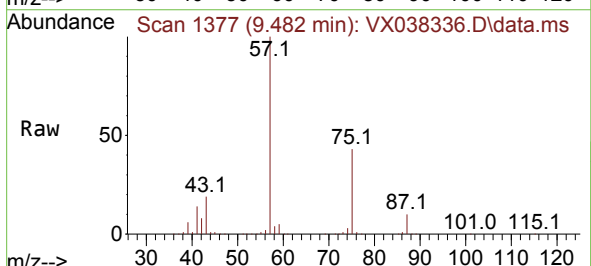
Acq: 17 Oct 2023 17:51

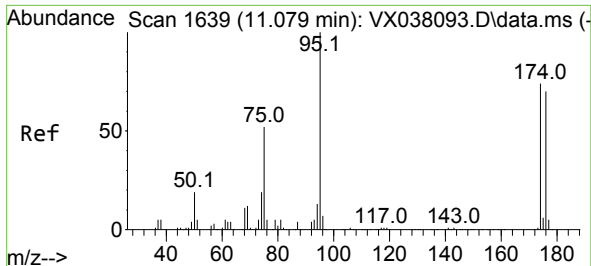
Tgt Ion: 43 Resp: 67128

Ion Ratio Lower Upper

43 100

58 20.5 26.2 78.5#

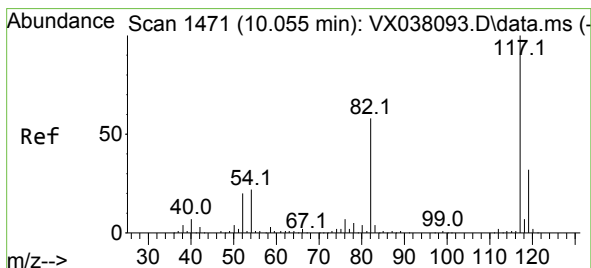
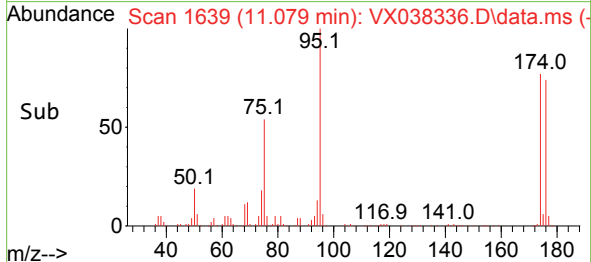
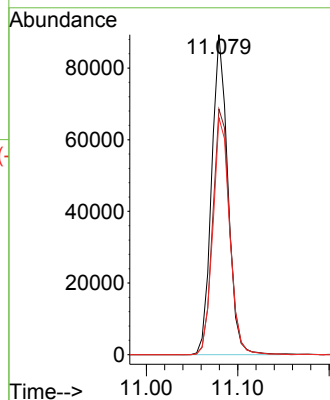
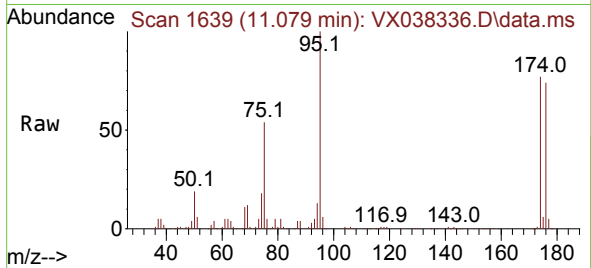




#62
4-Bromofluorobenzene
Concen: 48.861 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

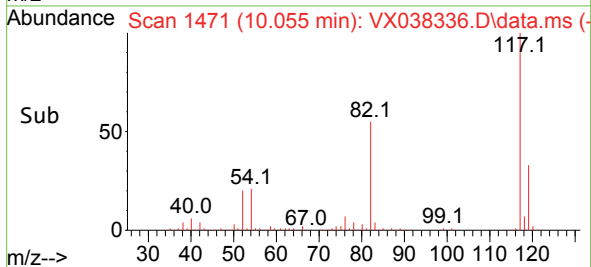
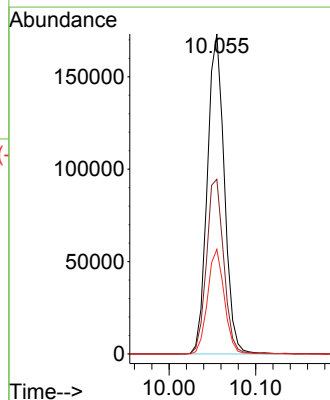
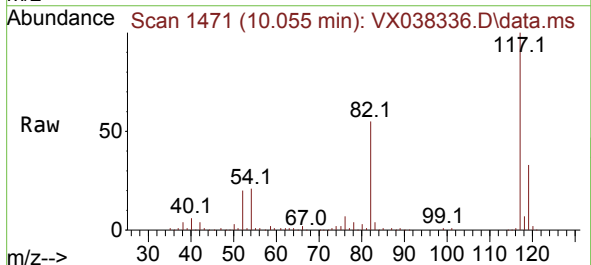
Instrument :
MSVOA_X
ClientSampleId :

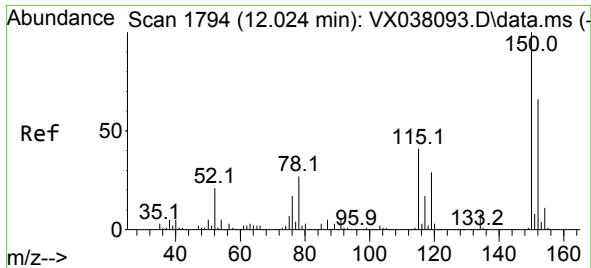
Tgt Ion: 95 Resp: 109681
Ion Ratio Lower Upper
95 100
174 80.5 0.0 135.6
176 77.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038336.D
Acq: 17 Oct 2023 17:51

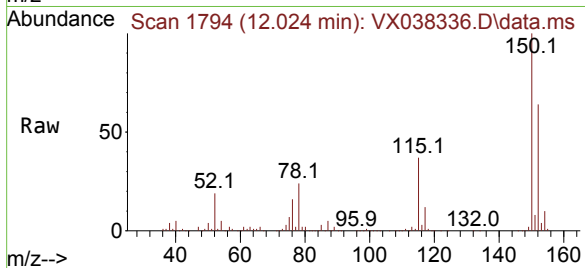
Tgt Ion: 117 Resp: 236643
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.7 25.5 38.3



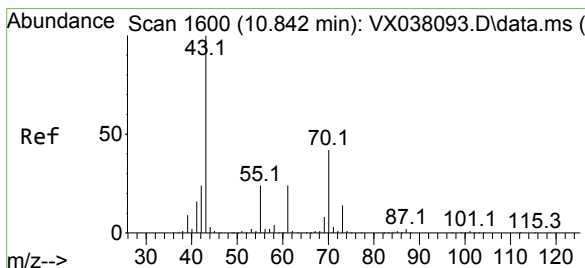
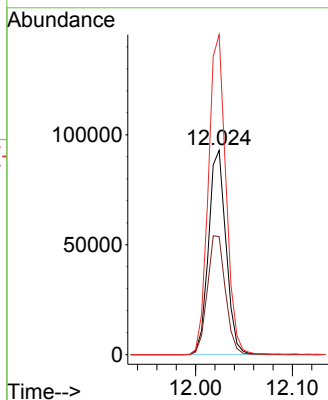
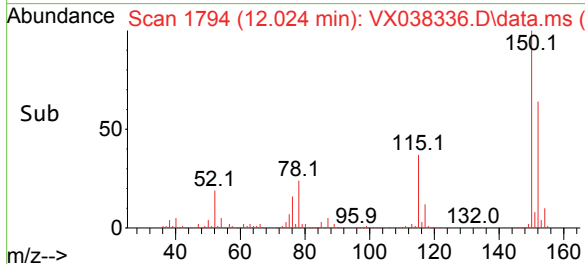


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038336.D
 Acq: 17 Oct 2023 17:51

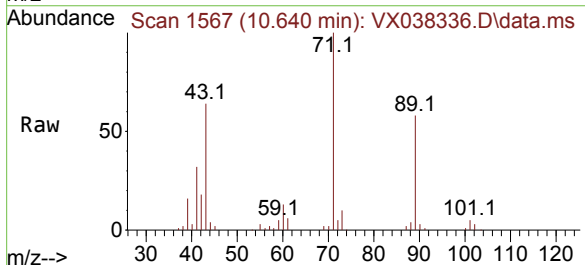
Instrument :
 MSVOA_X
 ClientSampleId :



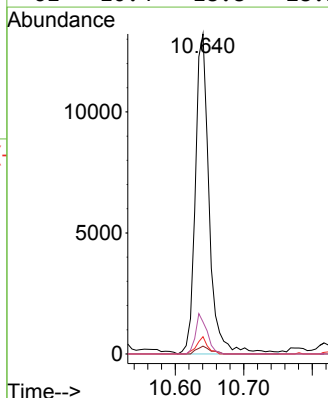
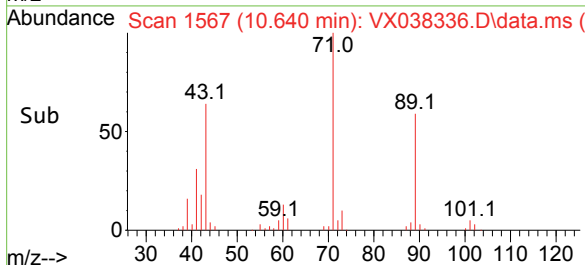
Tgt Ion:152 Resp: 117217
 Ion Ratio Lower Upper
 152 100
 115 60.3 43.3 129.9
 150 157.7 0.0 345.0

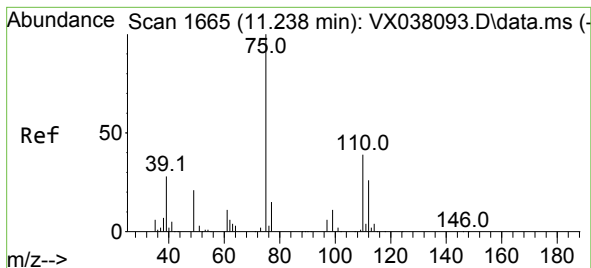


#74
 N-ethyl acetate
 Concen: 5.544 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.202 min
 Lab File: VX038336.D
 Acq: 17 Oct 2023 17:51



Tgt Ion: 43 Resp: 18609
 Ion Ratio Lower Upper
 43 100
 70 2.4 32.9 49.3#
 55 4.2 19.3 28.9#
 61 10.4 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.567 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

Instrument :

MSVOA_X

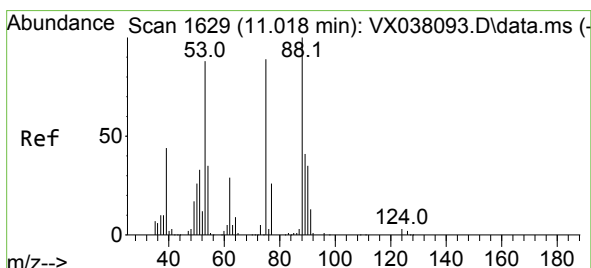
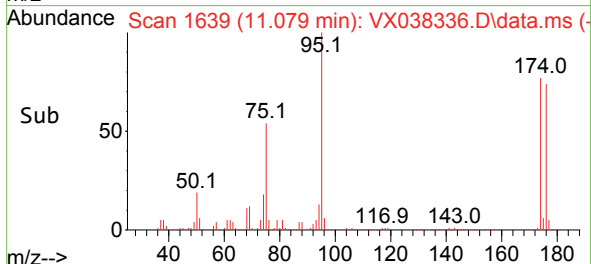
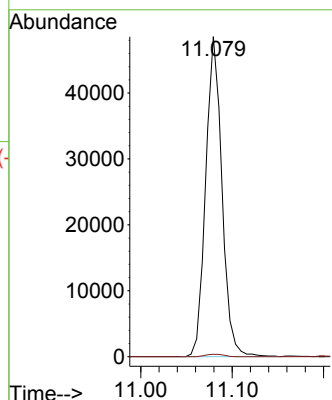
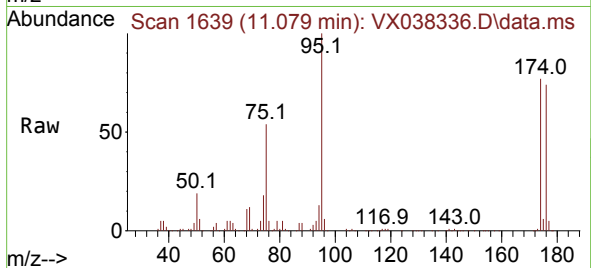
ClientSampleId :

Tgt Ion: 75 Resp: 60137

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.613 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038336.D

Acq: 17 Oct 2023 17:51

Tgt Ion: 75 Resp: 60137

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

