

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033857.D
 Acq On : 23 Jan 2023 18:15
 Operator : JC/MD
 Sample : 01252-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-9

Quant Time: Jan 24 00:45:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

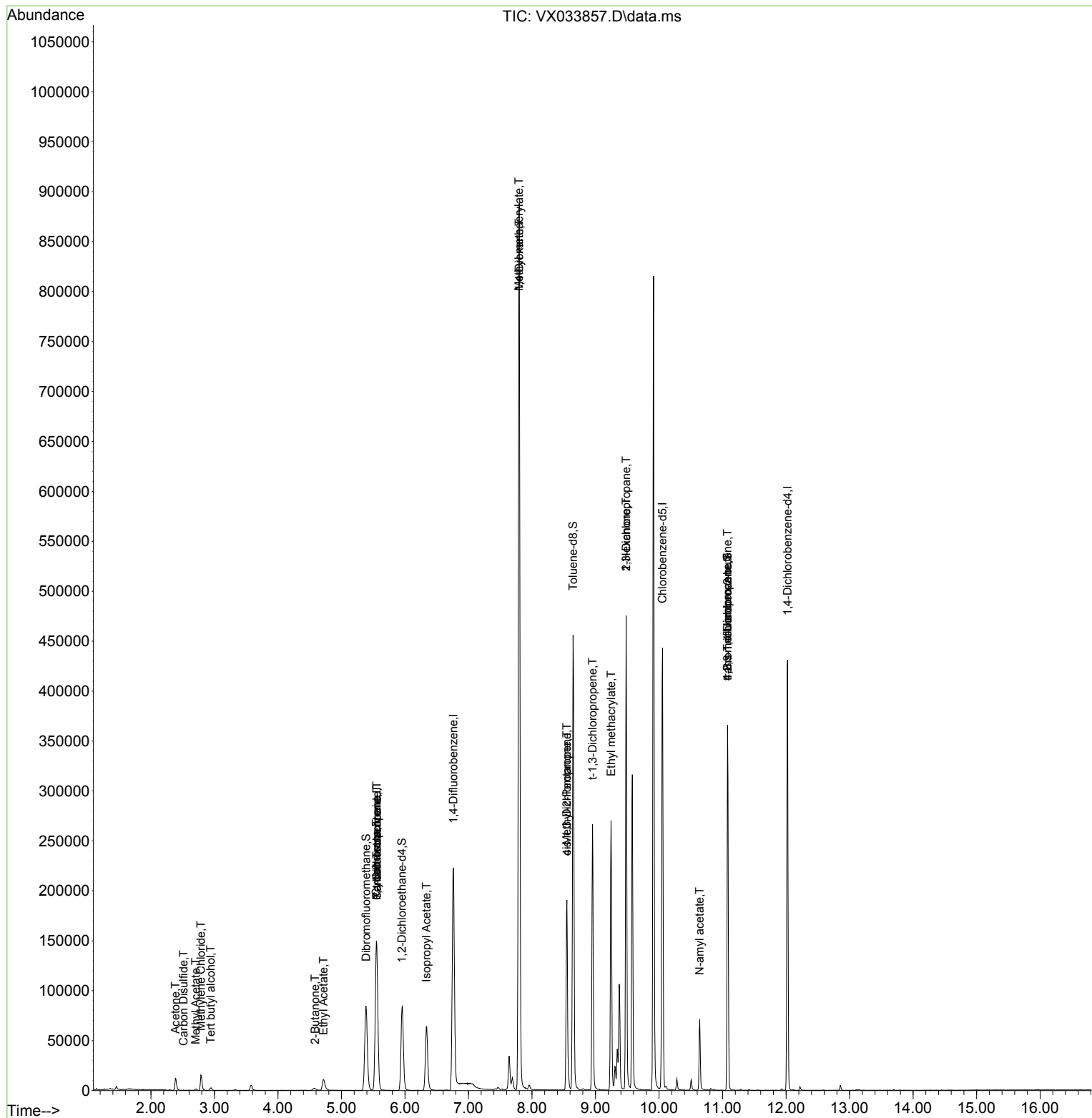
Internal Standards						
1) Pentafluorobenzene	5.556	168	163475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80658	46.860	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.720%		
35) Dibromofluoromethane	5.385	113	73882	49.290	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.580%		
50) Toluene-d8	8.647	98	276683	50.661	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.320%		
62) 4-Bromofluorobenzene	11.079	95	93922	46.319	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.640%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.941	59	1494	4.996	ug/l #	86
16) Acetone	2.386	43	14713	11.713	ug/l	93
17) Carbon Disulfide	2.514	76	312	1.912	ug/l #	76
18) Methyl Acetate	2.703	43	1901	0.791	ug/l #	89
20) Methylene Chloride	2.788	84	7512	2.647	ug/l	91
25) 2-Butanone	4.587	43	1853	1.648	ug/l	97
31) Cyclohexane	5.550	56	2537	1.002	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9462	4.325	ug/l #	44
37) Ethyl Acetate	4.715	43	20981	7.629	ug/l	99
38) Carbon Tetrachloride	5.556	117	13831	6.104	ug/l #	16
43) Isopropyl Acetate	6.336	43	89052	25.785	ug/l	99
48) Methyl methacrylate	7.793	41	74892	43.049	ug/l #	44
49) 1,4-Dioxane	7.799	88	188	4.885	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64940	30.618	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	526	0.245	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32215	13.370	ug/l #	58
56) Ethyl methacrylate	9.244	69	526	0.229	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4310	1.631	ug/l #	43
59) 2-Hexanone	9.482	43	54894	37.185	ug/l #	51
73) Isopropylbenzene	11.079	105	74	Below Cal	#	48
74) N-amyl acetate	10.640	43	19017	7.134	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.085	83	22	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	43721	23.441	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	43721	72.853	ug/l #	8

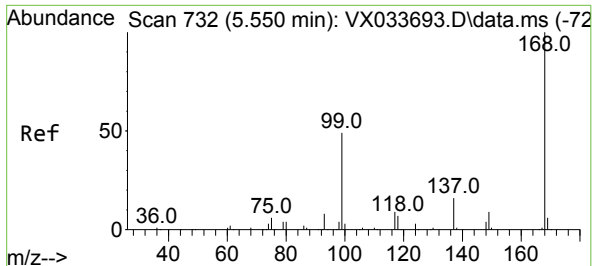
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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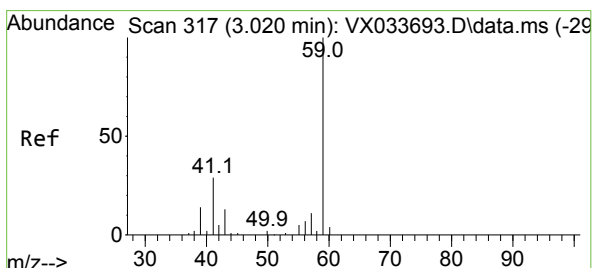
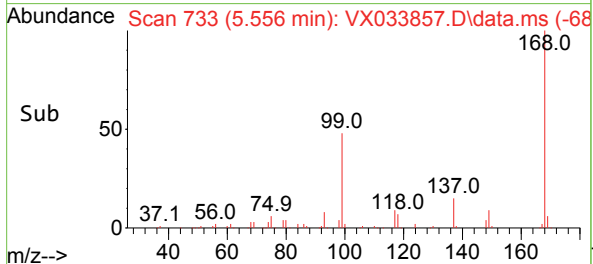
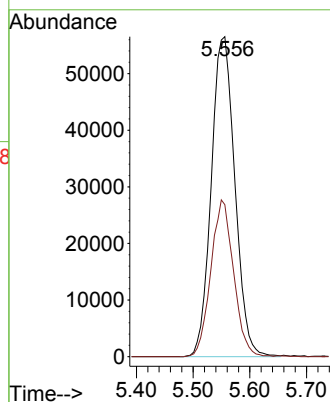
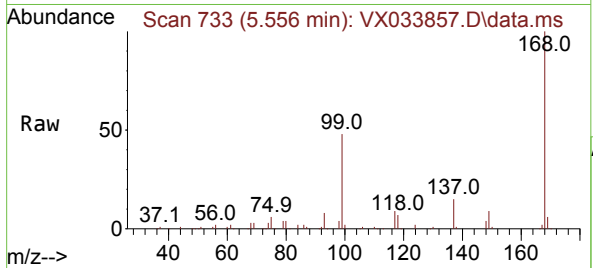




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

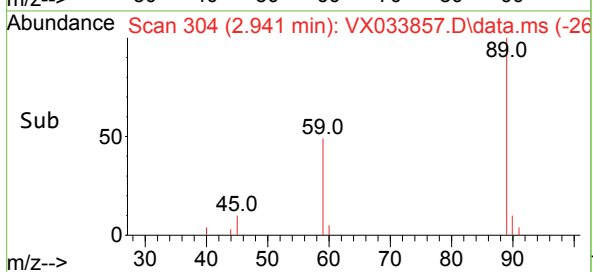
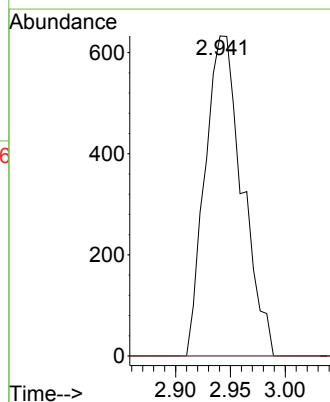
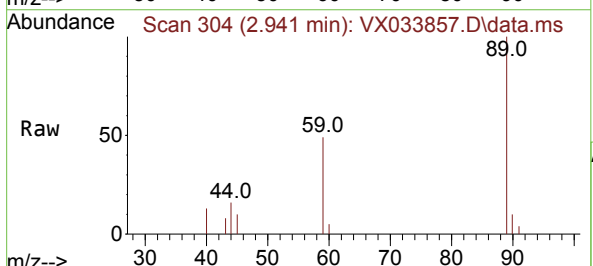
Instrument :
MSVOA_X
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MH-9

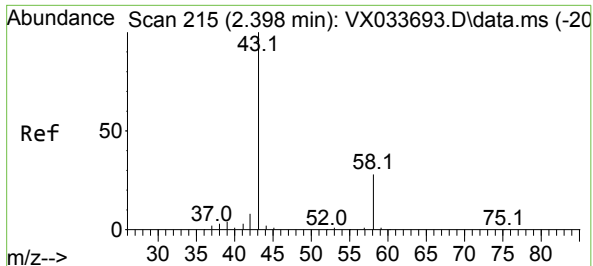
Tgt Ion:168 Resp: 163475
Ion Ratio Lower Upper
168 100
99 47.5 39.6 59.4



#11
Tert butyl alcohol
Concen: 4.996 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 59 Resp: 1494
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

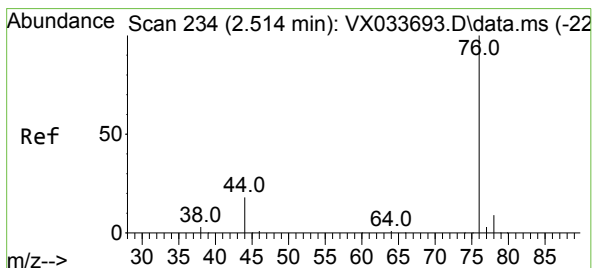
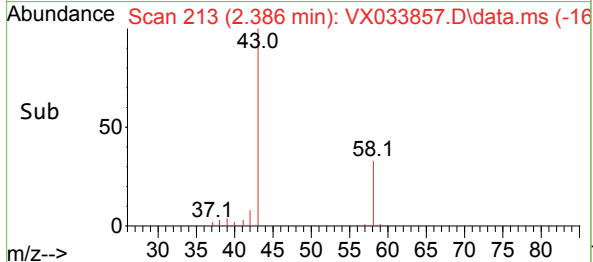
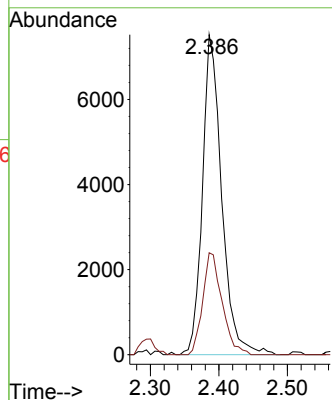
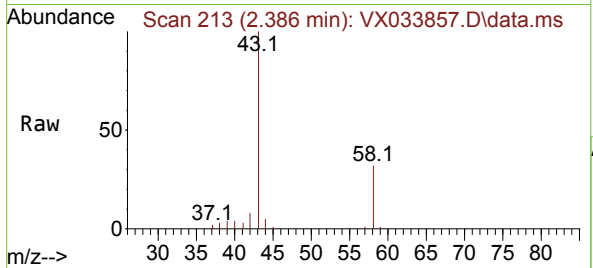




#16
Acetone
Concen: 11.713 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

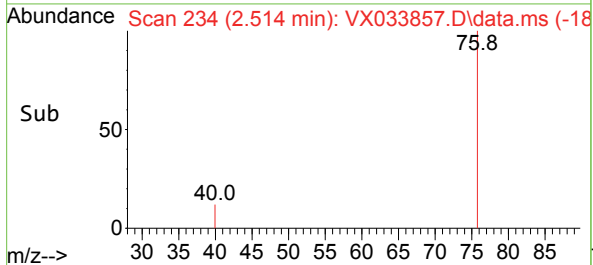
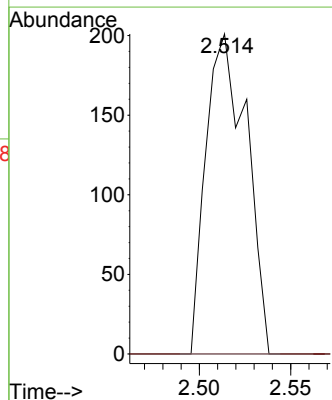
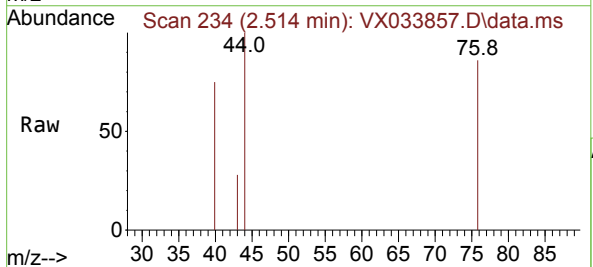
Instrument :
MSVOA_X
ClientSampleId :
MH-9

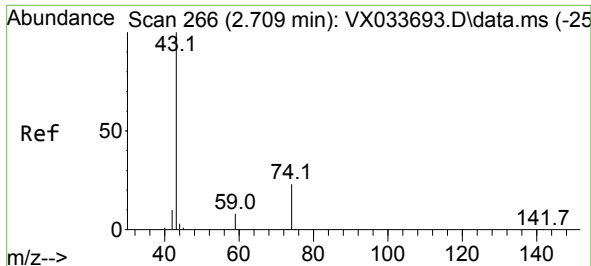
Tgt Ion: 43 Resp: 14713
Ion Ratio Lower Upper
43 100
58 31.9 22.6 33.8



#17
Carbon Disulfide
Concen: 1.912 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 76 Resp: 312
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

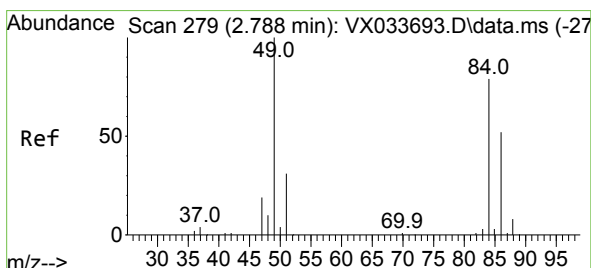
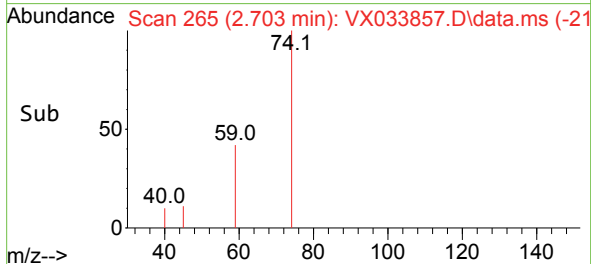
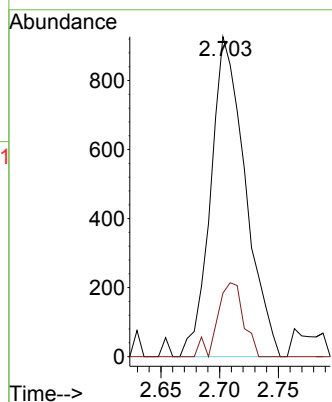
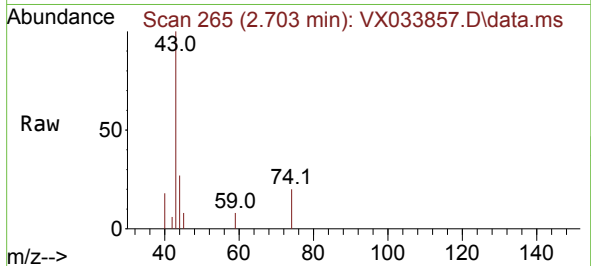




#18
Methyl Acetate
Concen: 0.791 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

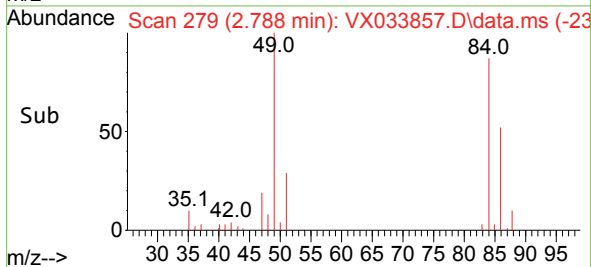
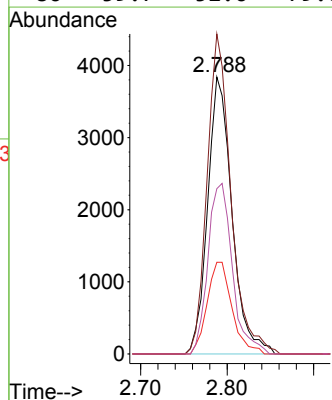
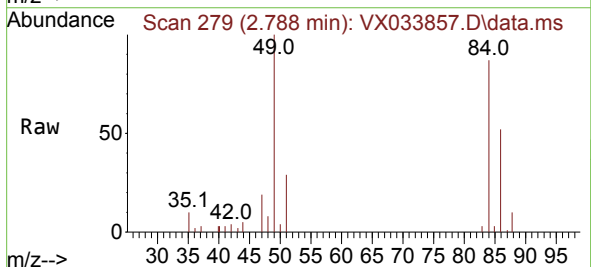
Instrument :
MSVOA_X
ClientSampleId :
MH-9

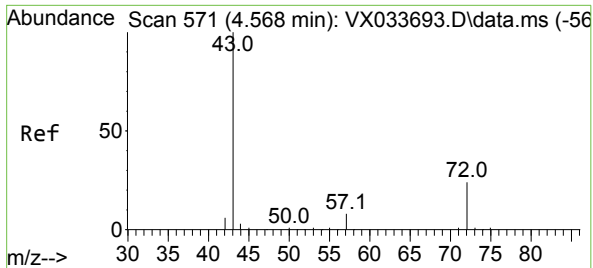
Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
74 17.4 18.2 27.4#



#20
Methylene Chloride
Concen: 2.647 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 84 Resp: 7512
Ion Ratio Lower Upper
84 100
49 115.5 101.1 151.7
51 33.1 31.0 46.6
86 59.7 52.6 79.0

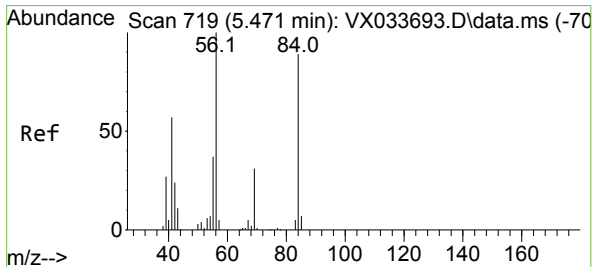
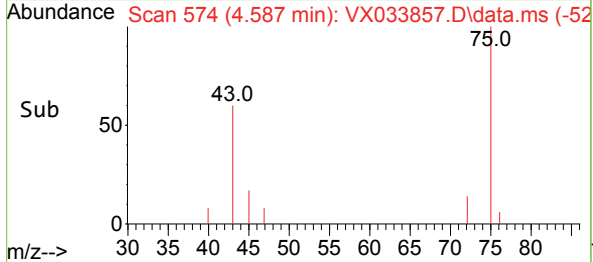
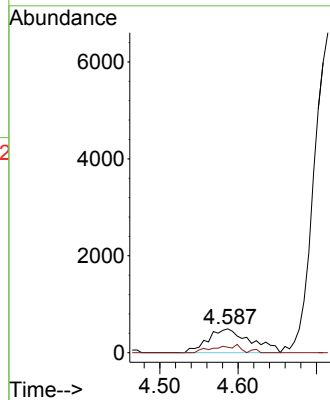
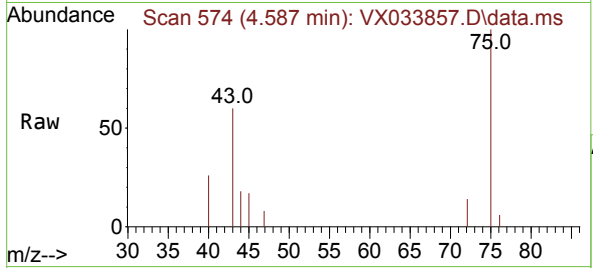




#25
2-Butanone
Concen: 1.648 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

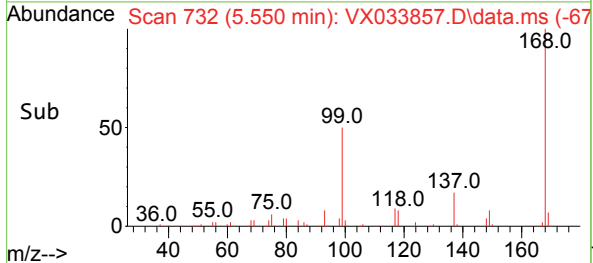
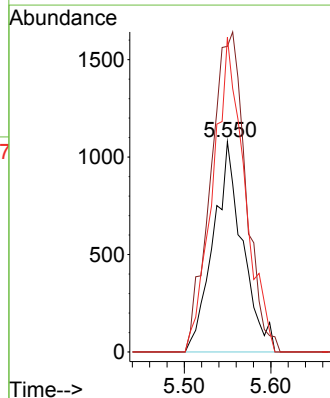
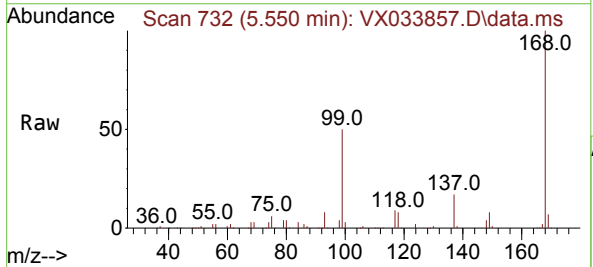
Instrument :
MSVOA_X
ClientSampleId :
MH-9

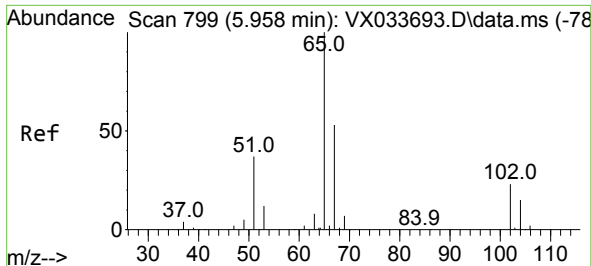
Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
72 23.0 19.4 29.2



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 56 Resp: 2537
Ion Ratio Lower Upper
56 100
69 145.3 24.6 37.0#
84 149.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.860 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033857.D

Acq: 23 Jan 2023 18:15

Instrument :

MSVOA_X

ClientSampleId :

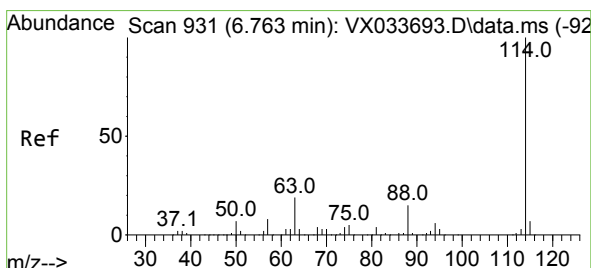
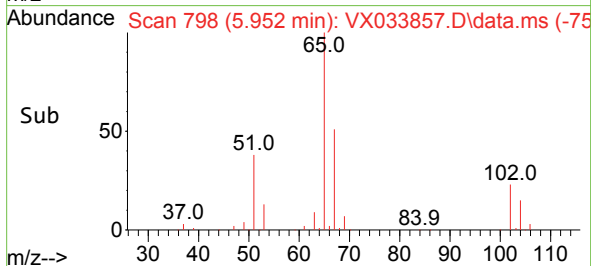
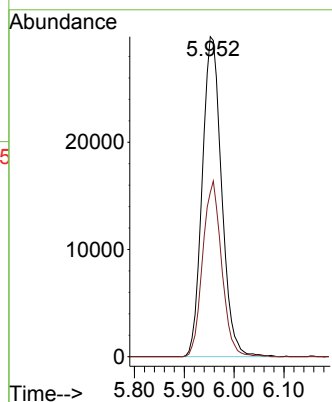
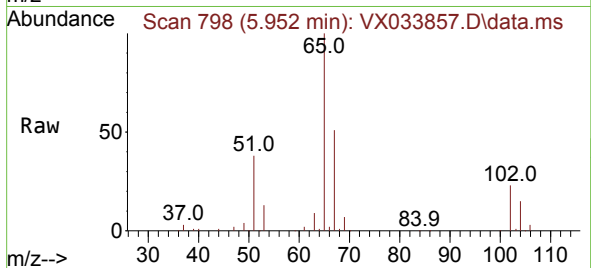
MH-9

Tgt Ion: 65 Resp: 80658

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033857.D

Acq: 23 Jan 2023 18:15

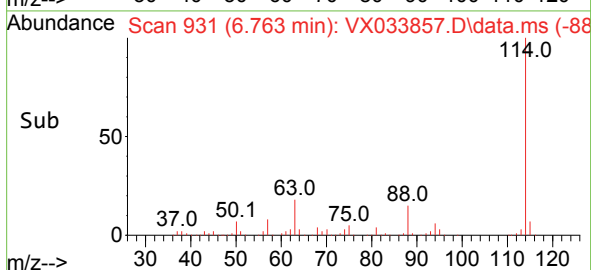
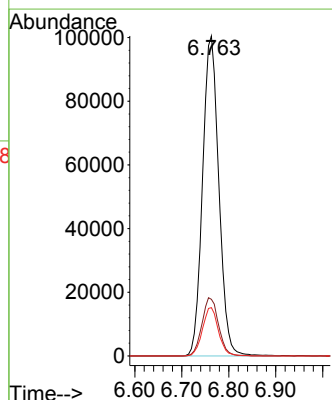
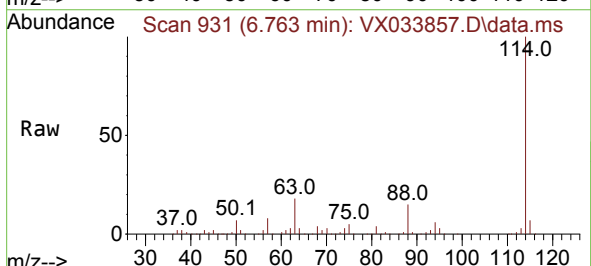
Tgt Ion: 114 Resp: 241395

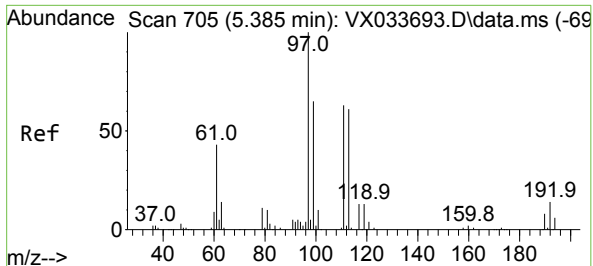
Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.4

88 15.1 0.0 30.6

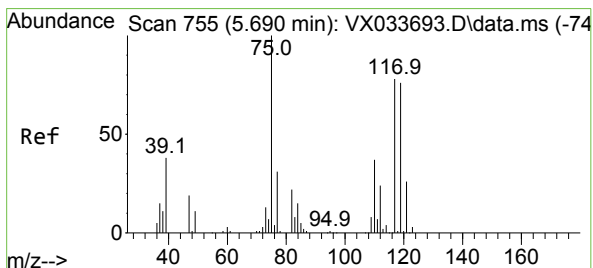
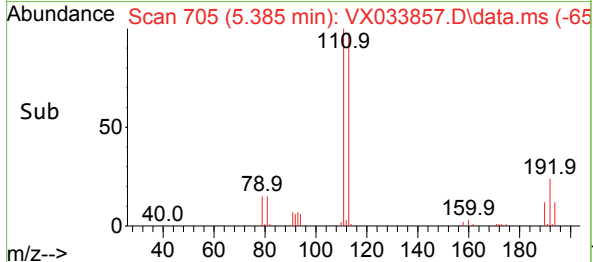
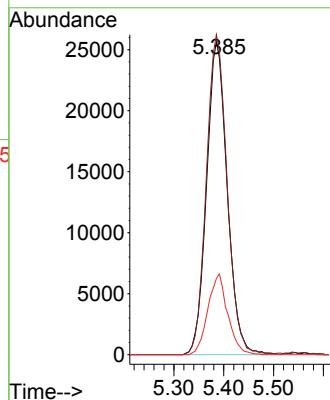
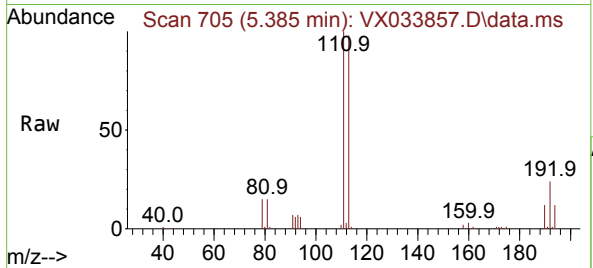




#35
Dibromofluoromethane
Concen: 49.290 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

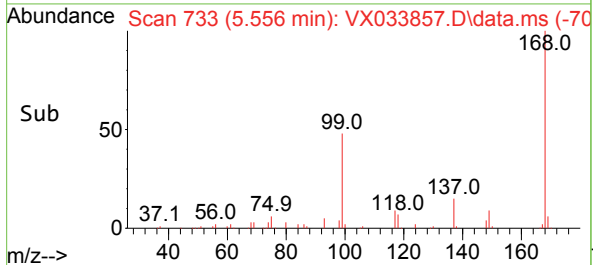
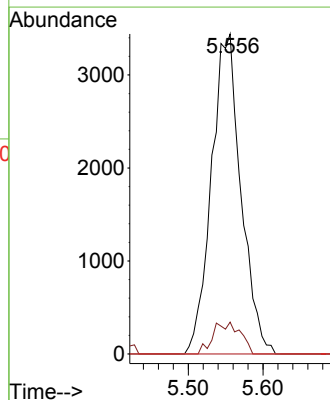
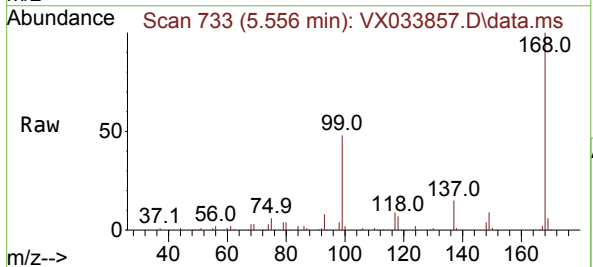
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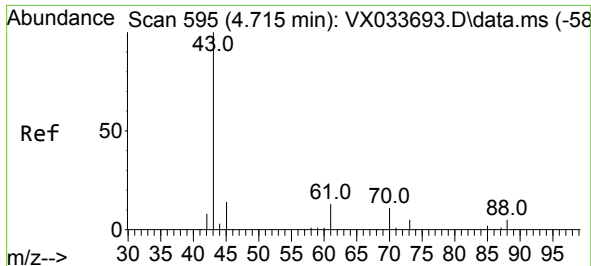
Tgt Ion:113 Resp: 73882
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 24.7 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.325 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 75 Resp: 9462
Ion Ratio Lower Upper
75 100
110 4.7 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.629 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033857.D

Acq: 23 Jan 2023 18:15

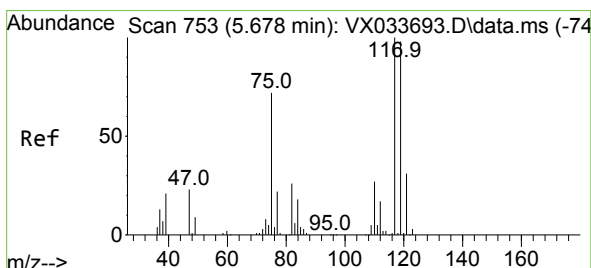
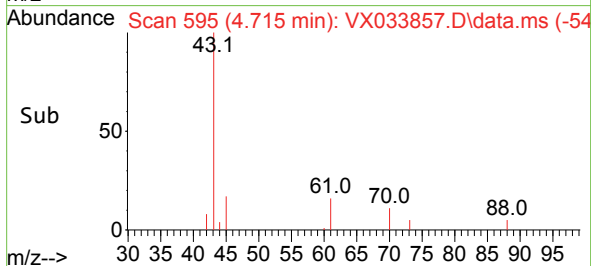
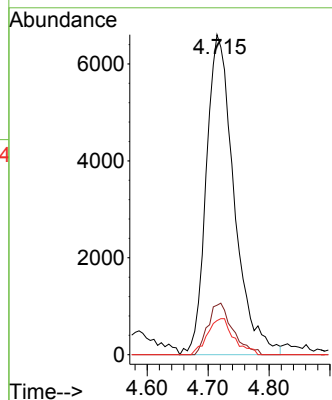
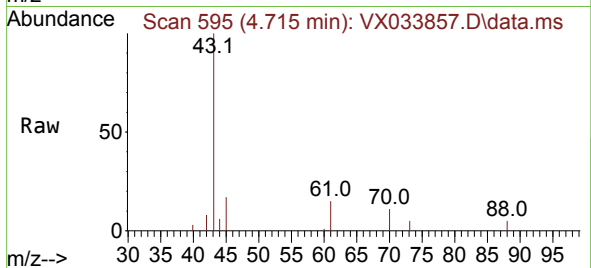
Instrument :

MSVOA_X

ClientSampleId :

MH-9

Tgt Ion:	43	Resp:	20981
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	10.6	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.104 ug/l

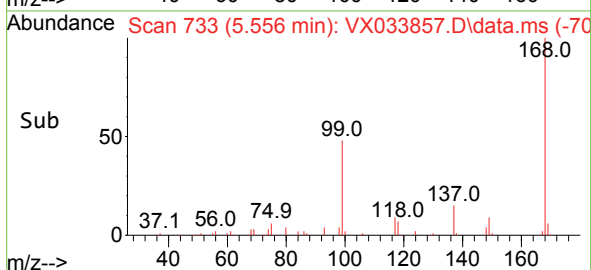
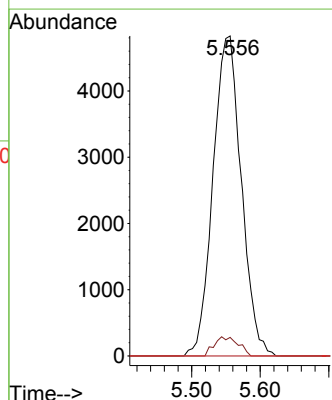
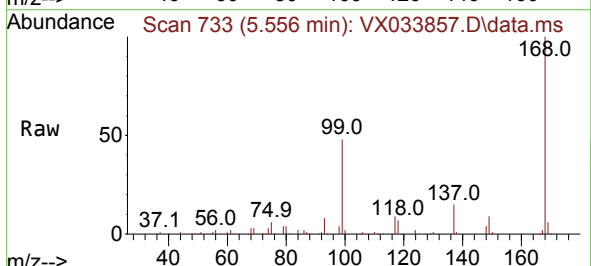
RT: 5.556 min Scan# 733

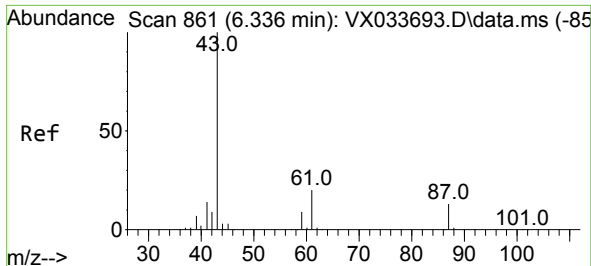
Delta R.T. -0.122 min

Lab File: VX033857.D

Acq: 23 Jan 2023 18:15

Tgt Ion:	117	Resp:	13831
Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.0	117.0#
121	0.0	24.4	36.6#

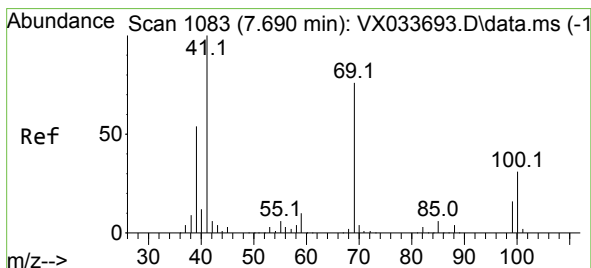
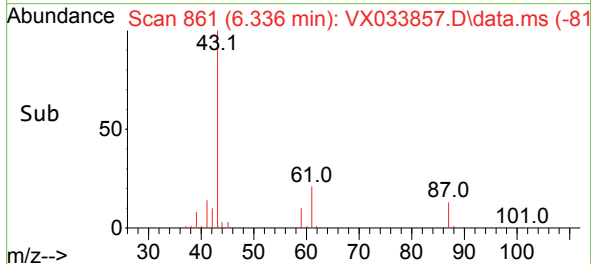
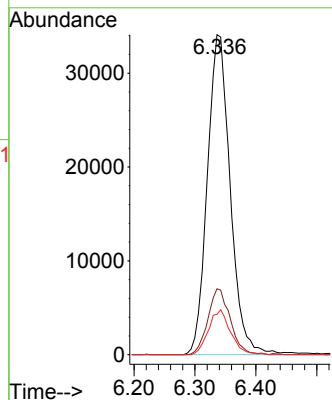
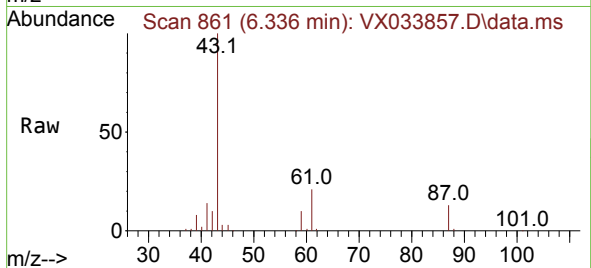




#43
Isopropyl Acetate
Concen: 25.785 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

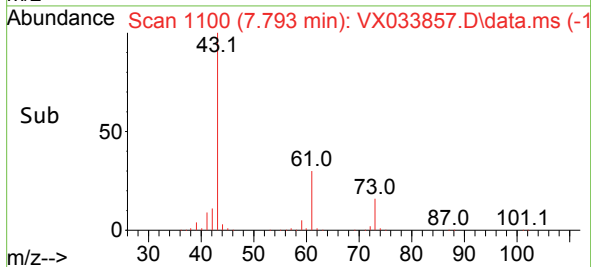
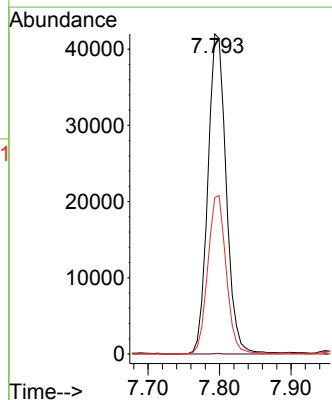
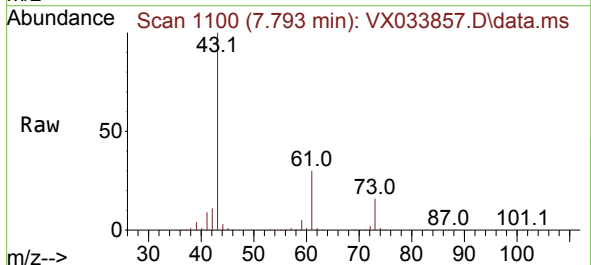
Instrument :
MSVOA_X
ClientSampleId :
MH-9

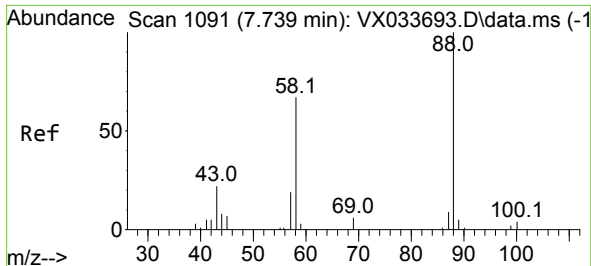
Tgt Ion: 43 Resp: 89052
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 13.5 10.6 15.8



#48
Methyl methacrylate
Concen: 43.049 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 41 Resp: 74892
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.7 43.2 64.8

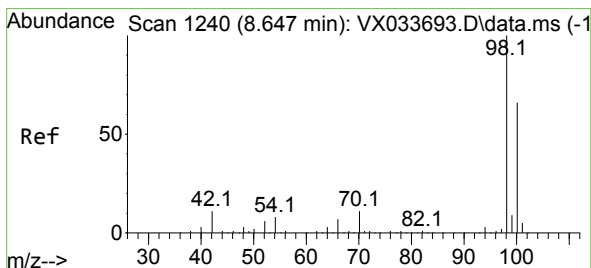
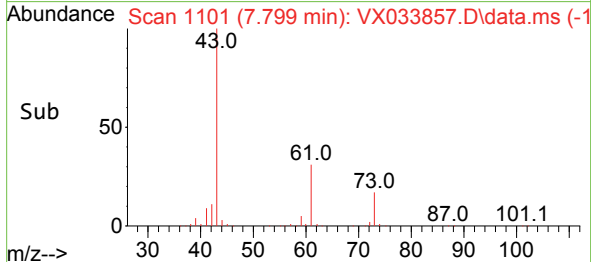
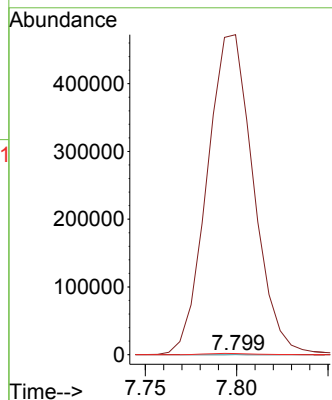
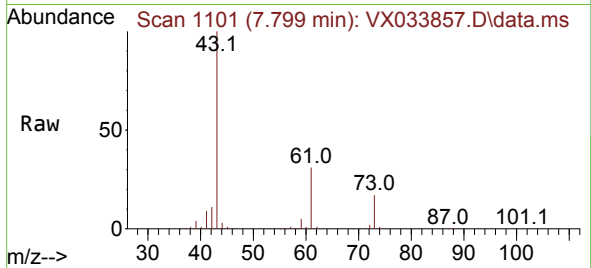




#49
1,4-Dioxane
Concen: 4.885 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

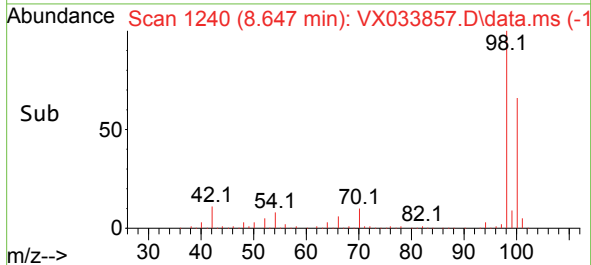
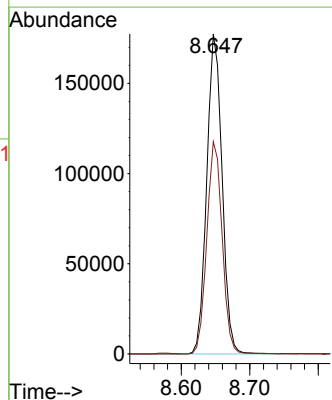
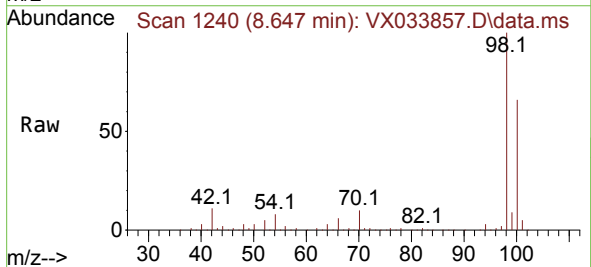
Instrument :
MSVOA_X
ClientSampleId :
MH-9

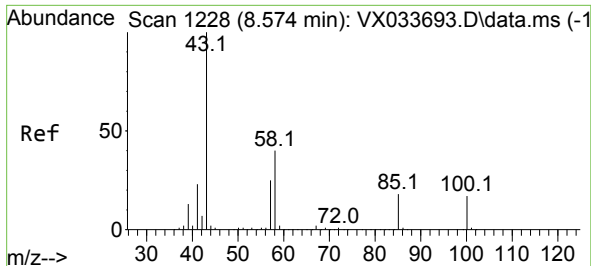
Tgt Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 446239.4 0.0 0.0#
58 1808.5 56.5 84.7#



#50
Toluene-d8
Concen: 50.661 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 98 Resp: 276683
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4

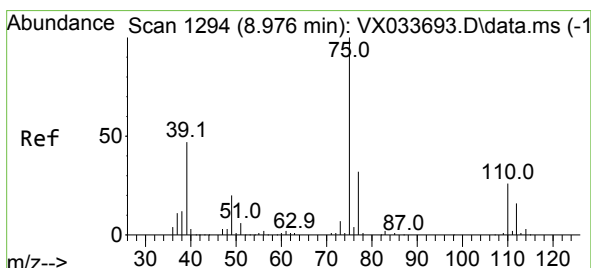
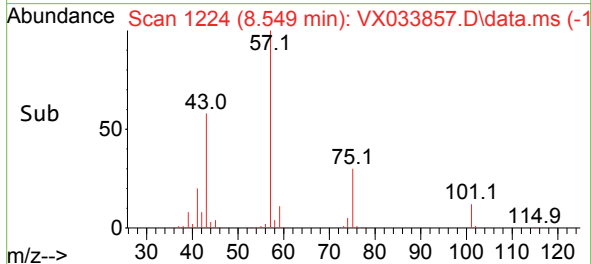
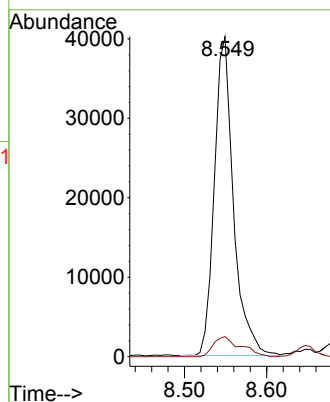
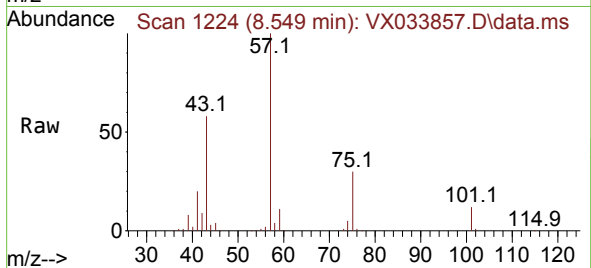




#51
4-Methyl-2-Pentanone
Concen: 30.618 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

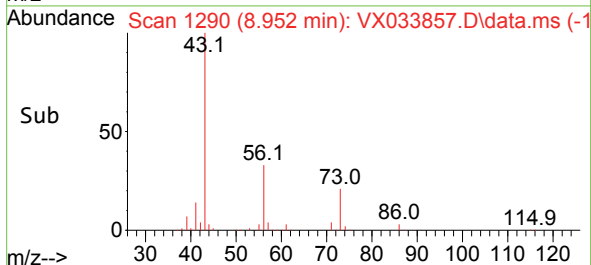
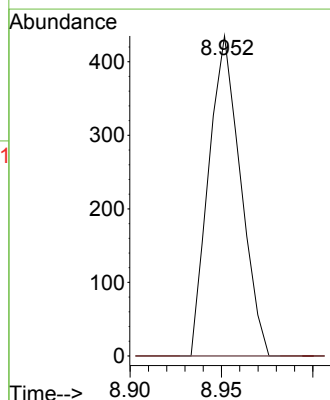
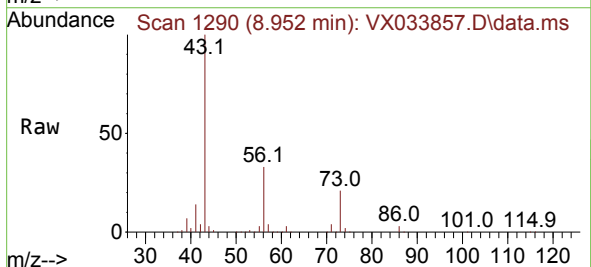
Instrument :
MSVOA_X
ClientSampleId :
MH-9

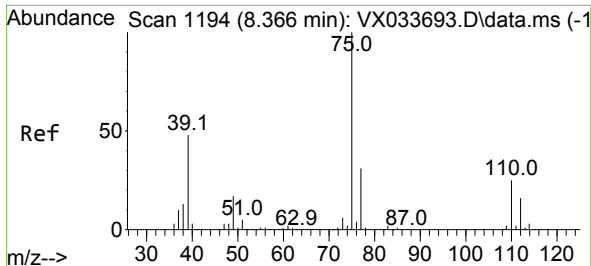
Tgt Ion: 43 Resp: 64940
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.245 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 75 Resp: 526
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

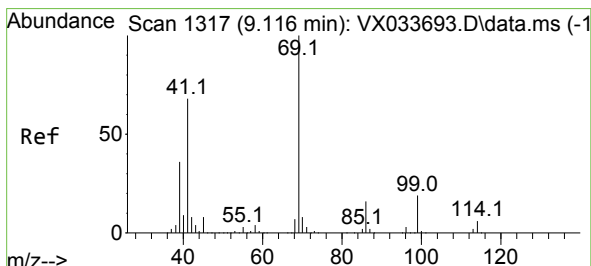
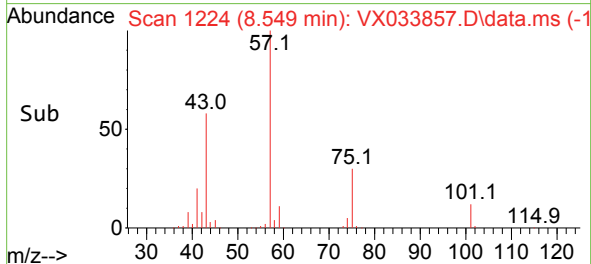
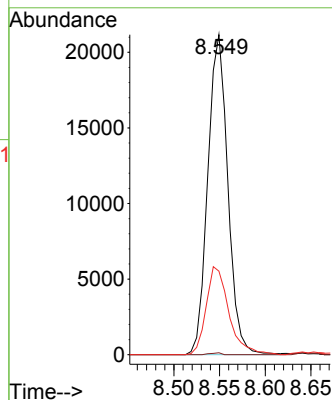
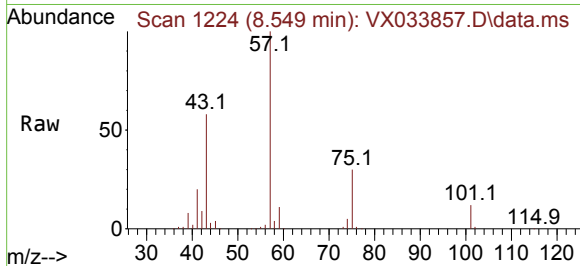




#54
 cis-1,3-Dichloropropene
 Concen: 13.370 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033857.D
 Acq: 23 Jan 2023 18:15

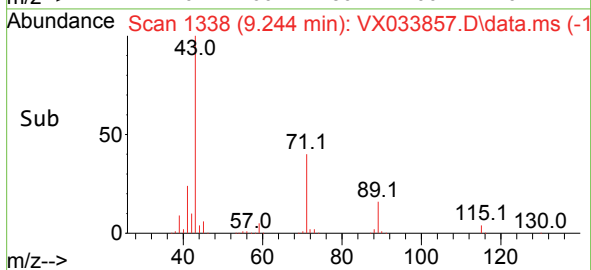
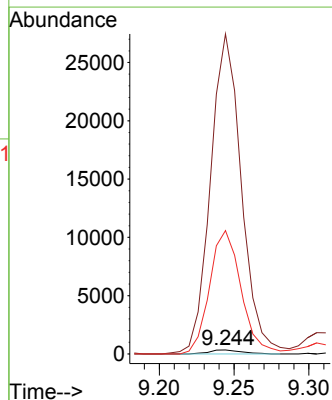
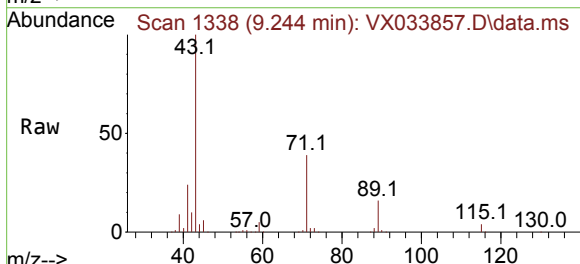
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-9

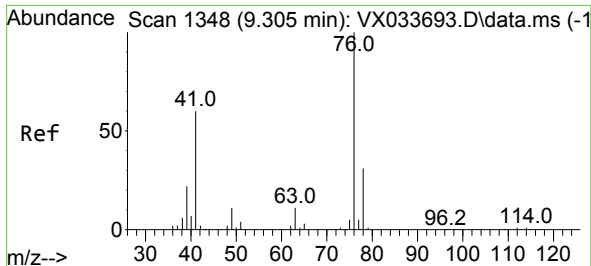
Tgt Ion: 75 Resp: 32215
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 26.1 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.229 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033857.D
 Acq: 23 Jan 2023 18:15

Tgt Ion: 69 Resp: 526
 Ion Ratio Lower Upper
 69 100
 41 7534.2 55.1 82.7#
 39 2944.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.631 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033857.D

Acq: 23 Jan 2023 18:15

Instrument :

MSVOA_X

ClientSampleId :

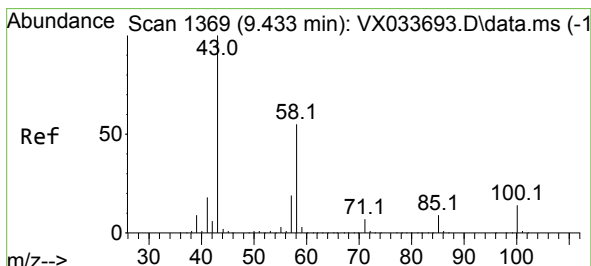
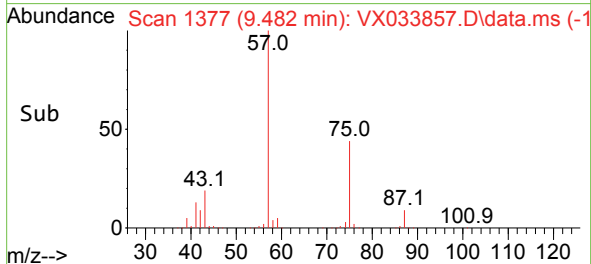
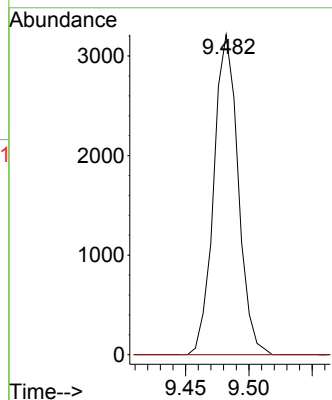
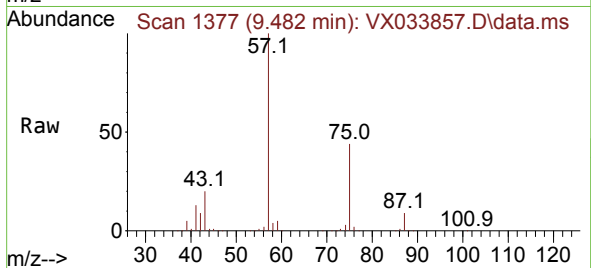
MH-9

Tgt Ion: 76 Resp: 4310

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.185 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033857.D

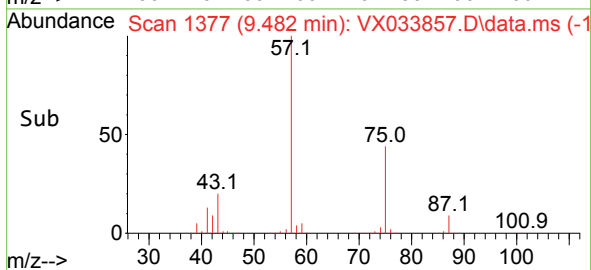
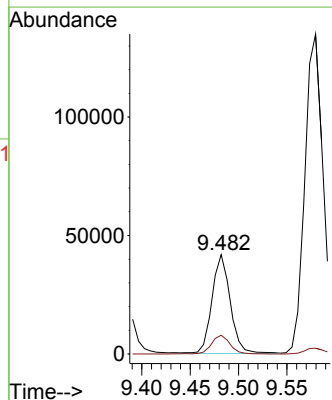
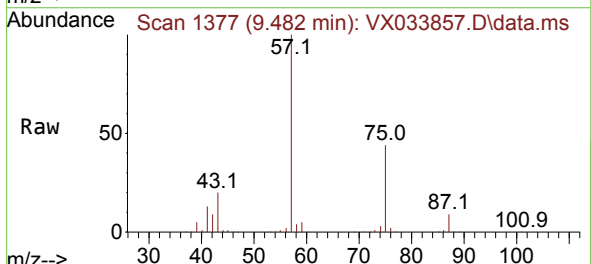
Acq: 23 Jan 2023 18:15

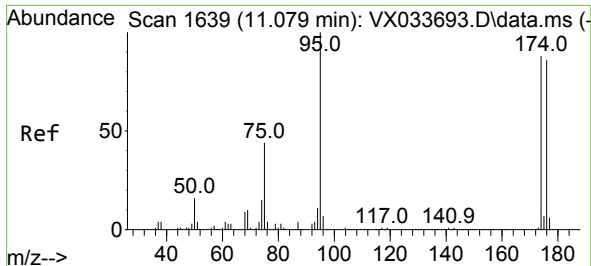
Tgt Ion: 43 Resp: 54894

Ion Ratio Lower Upper

43 100

58 19.2 27.4 82.0#

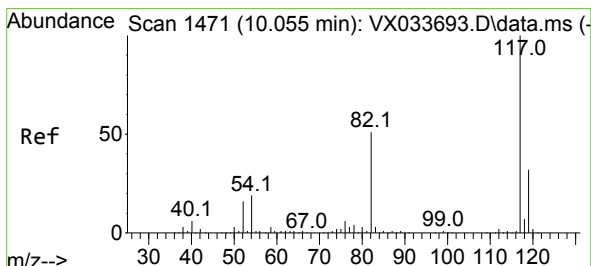
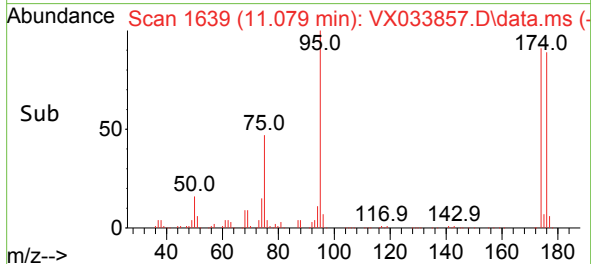
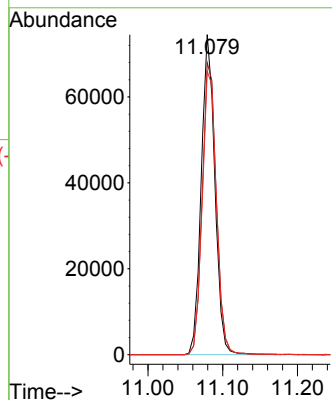
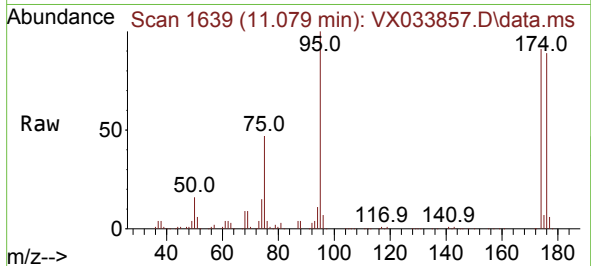




#62
4-Bromofluorobenzene
Concen: 46.319 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

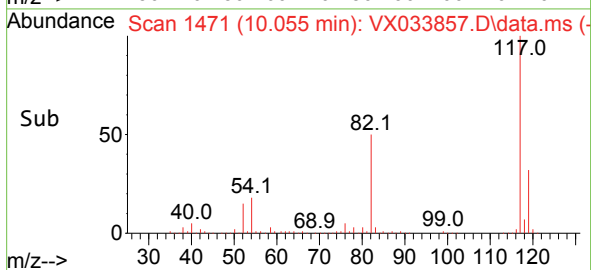
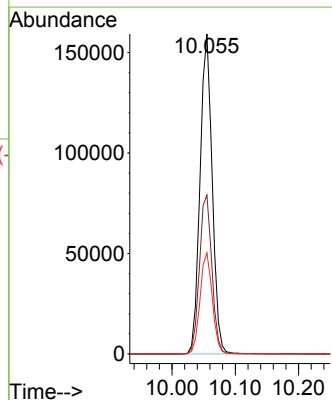
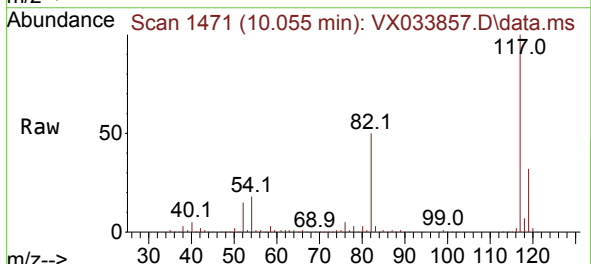
Instrument :
MSVOA_X
ClientSampleId :
MH-9

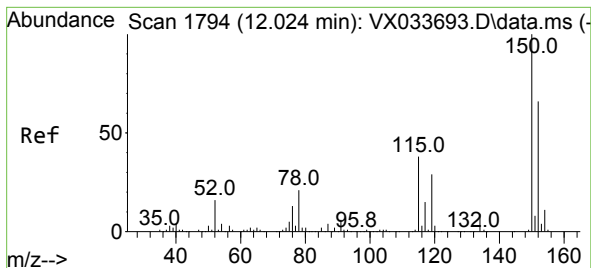
Tgt Ion: 95 Resp: 93922
Ion Ratio Lower Upper
95 100
174 94.9 0.0 184.4
176 93.0 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 117 Resp: 213547
Ion Ratio Lower Upper
117 100
82 49.7 40.6 60.8
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX033857.D

Acq: 23 Jan 2023 18:15

Instrument :

MSVOA_X

ClientSampleId :

MH-9

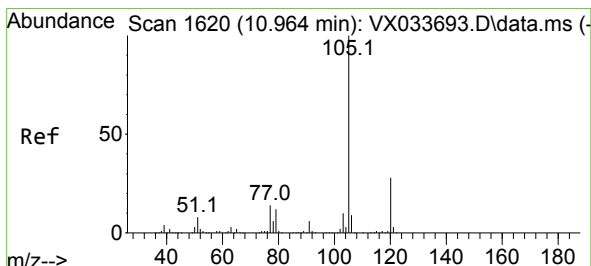
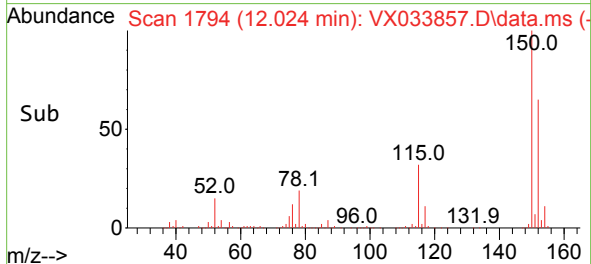
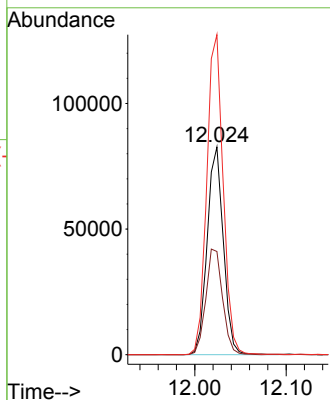
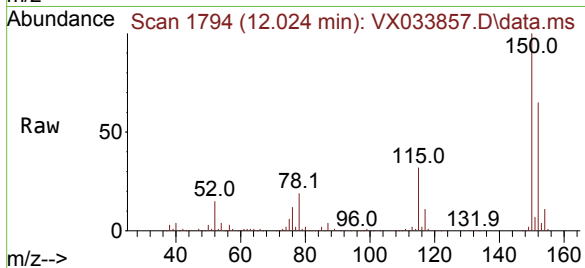
Tgt Ion:152 Resp: 101511

Ion Ratio Lower Upper

152 100

115 52.7 38.7 116.1

150 155.9 0.0 348.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1639

Delta R.T. 0.115 min

Lab File: VX033857.D

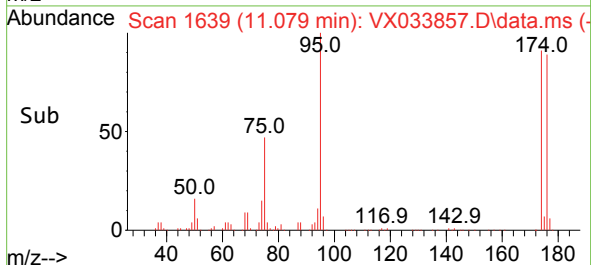
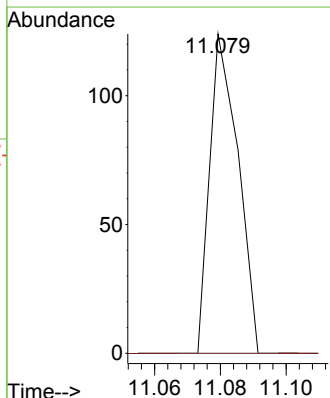
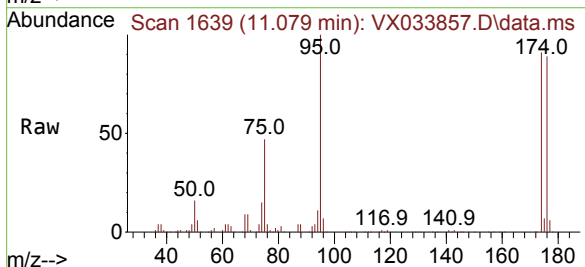
Acq: 23 Jan 2023 18:15

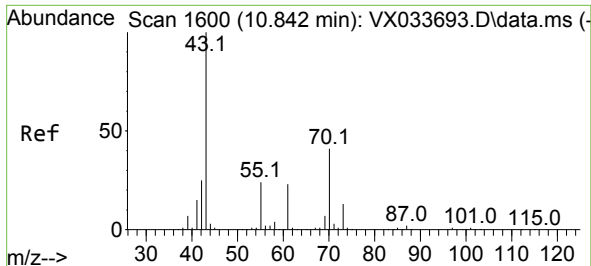
Tgt Ion:105 Resp: 74

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#

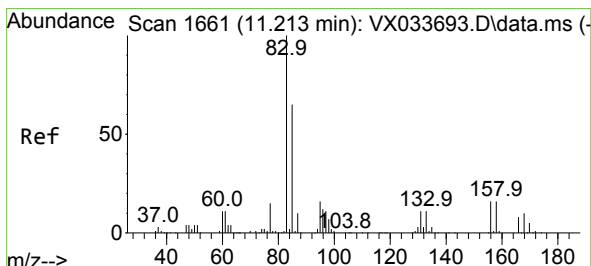
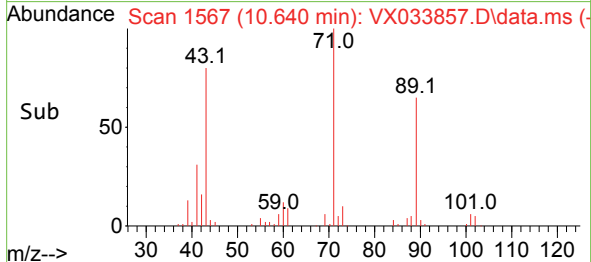
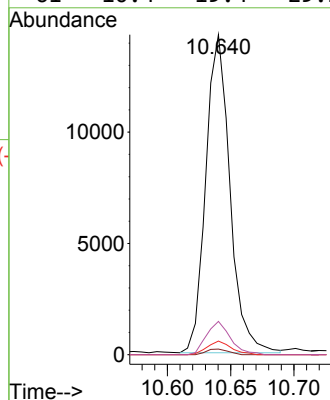
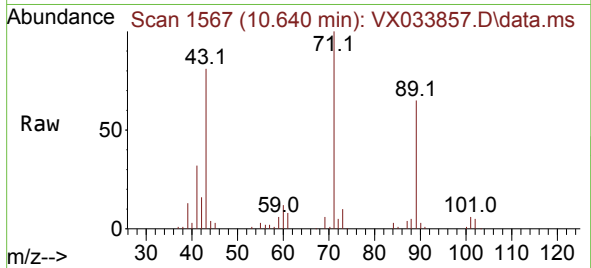




#74
N-amy1 acetate
Concen: 7.134 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.201 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

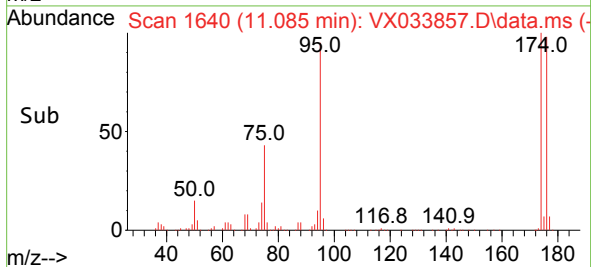
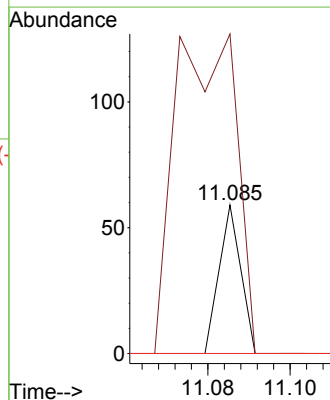
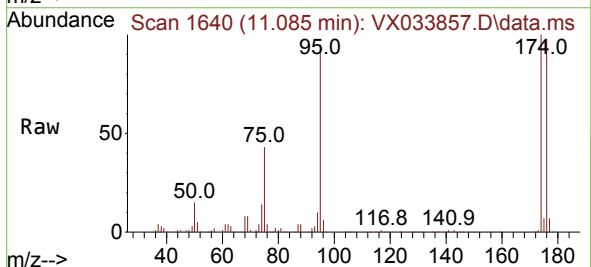
Instrument :
MSVOA_X
ClientSampleId :
MH-9

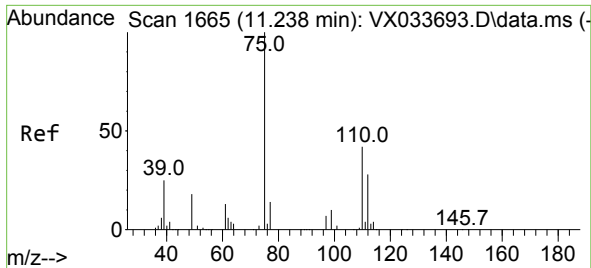
Tgt Ion: 43	Resp:	19017
Ion	Ratio	Lower Upper
43	100	
70	1.6	34.8 52.2#
55	4.3	19.4 29.0#
61	10.4	19.4 29.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. -0.128 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 83	Resp:	22
Ion	Ratio	Lower Upper
83	100	
131	595.5	5.5 16.7#
85	0.0	32.3 96.9#

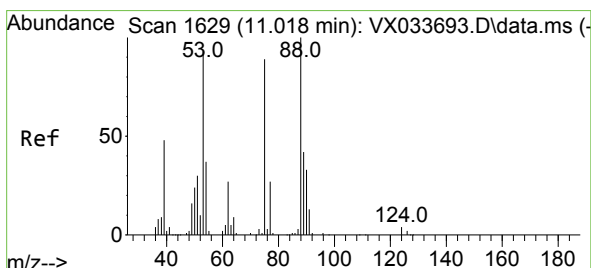
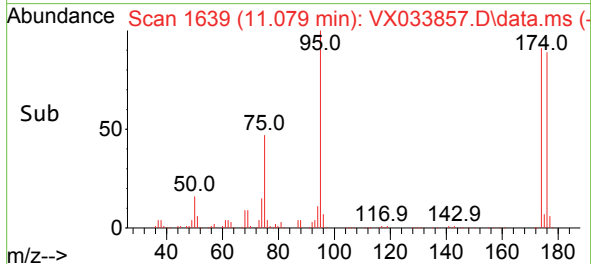
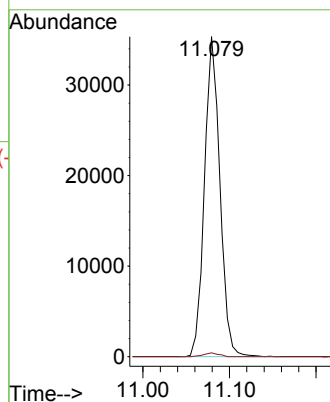
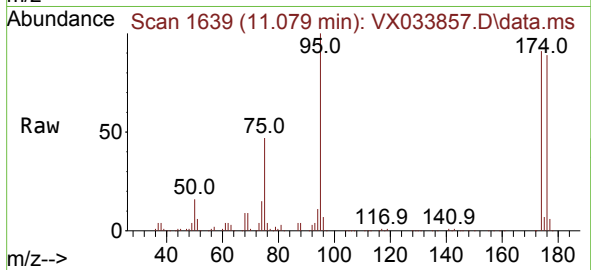




#76
1,2,3-Trichloropropane
Concen: 23.441 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Instrument :
MSVOA_X
ClientSampleId :
MH-9

Tgt Ion: 75 Resp: 43721
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033857.D
Acq: 23 Jan 2023 18:15

Tgt Ion: 75 Resp: 43721
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

