

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034333.D
 Acq On : 03 Mar 2023 19:20
 Operator : JC/MD
 Sample : 01770-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 22:17:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

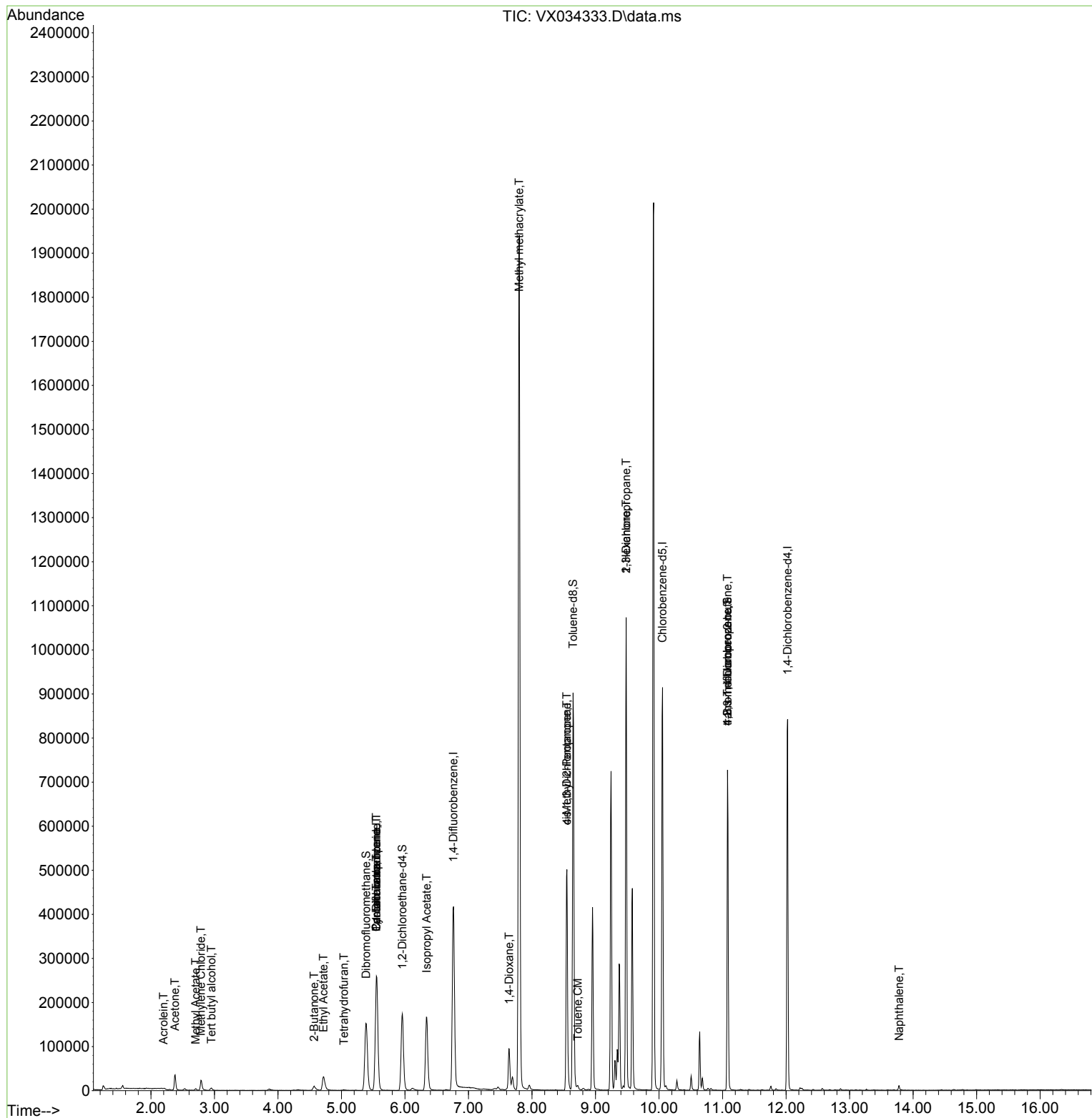
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	257645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161461	46.532	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.060%		
35) Dibromofluoromethane	5.385	113	136499	48.132	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.260%		
50) Toluene-d8	8.647	98	529626	52.016	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.040%		
62) 4-Bromofluorobenzene	11.079	95	187062	48.031	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.060%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	116	Below Cal	#	3
11) Tert butyl alcohol	2.953	59	4252	5.479	ug/l #	88
13) Acrolein	2.197	56	94	0.265	ug/l #	1
16) Acetone	2.380	43	36414	20.344	ug/l	93
18) Methyl Acetate	2.703	43	4433	0.800	ug/l	95
20) Methylene Chloride	2.788	84	10583	3.281	ug/l	97
25) 2-Butanone	4.568	43	14744	5.693	ug/l	93
29) Tetrahydrofuran	5.038	42	1059	0.670	ug/l #	73
31) Cyclohexane	5.550	56	5539	1.069	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	19491	4.647	ug/l #	48
37) Ethyl Acetate	4.715	43	54886	11.710	ug/l	100
38) Carbon Tetrachloride	5.550	117	25083	5.812	ug/l #	15
43) Isopropyl Acetate	6.342	43	236710	28.618	ug/l	99
48) Methyl methacrylate	7.799	41	166517	42.415	ug/l #	45
49) 1,4-Dioxane	7.641	88	20	0.255	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	183426	40.307	ug/l #	49
52) Toluene	8.720	92	2920	0.388	ug/l	99
54) cis-1,3-Dichloropropene	8.549	75	83943	15.244	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	8970	1.696	ug/l #	43
59) 2-Hexanone	9.482	43	123602	35.639	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	94287	20.656	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	94287	53.064	ug/l #	8
95) Naphthalene	13.780	128	7033	0.533	ug/l	99

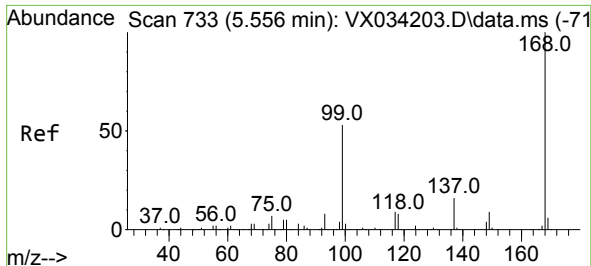
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
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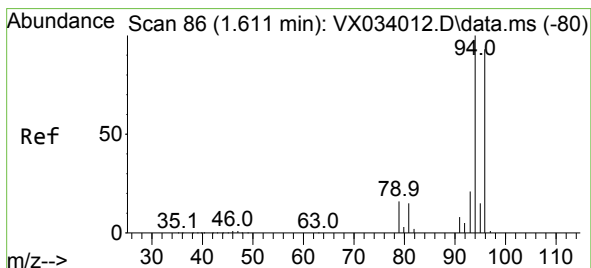
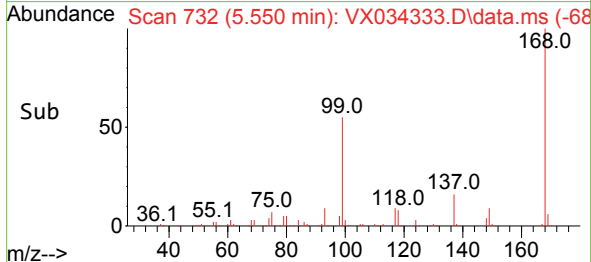
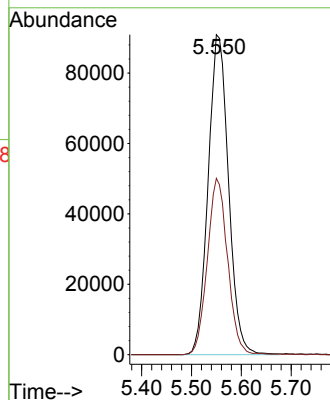
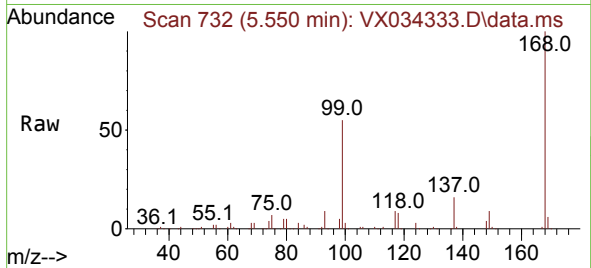




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

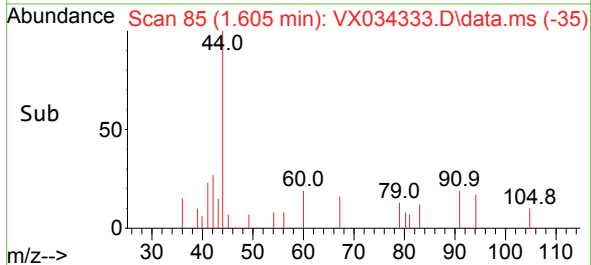
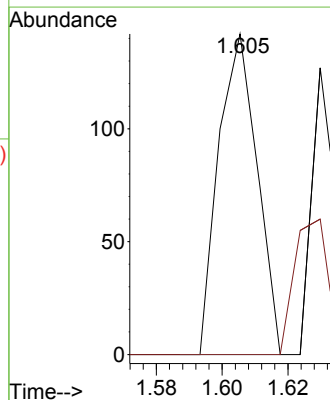
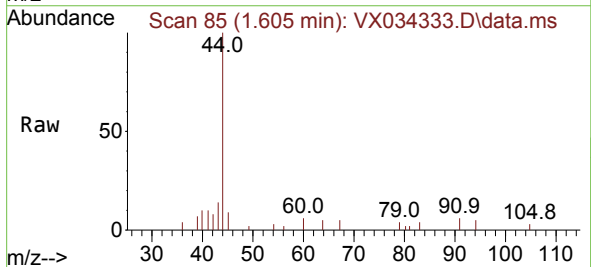
Instrument :
MSVOA_X
ClientSampleId :

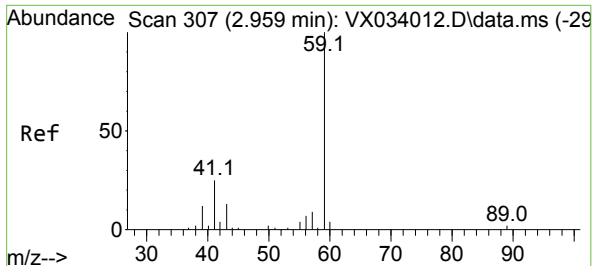
Tgt Ion:168 Resp: 257645
Ion Ratio Lower Upper
168 100
99 55.1 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#

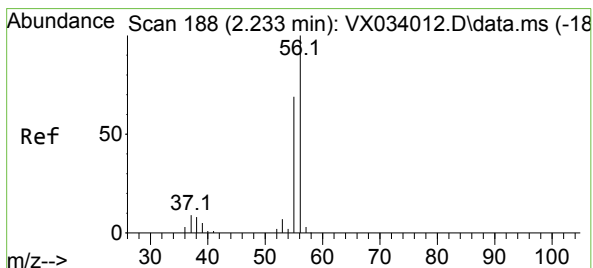
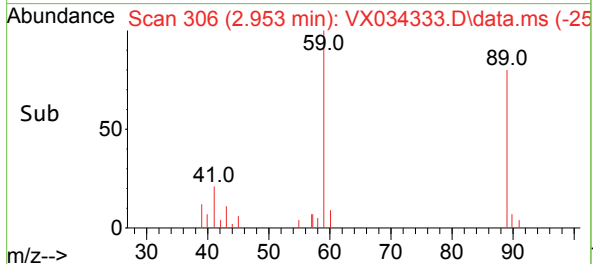
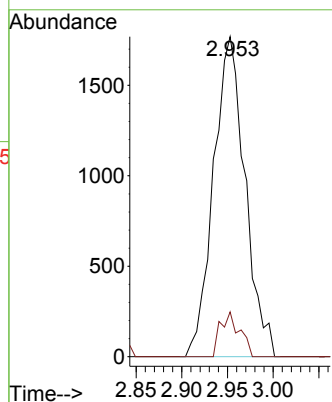
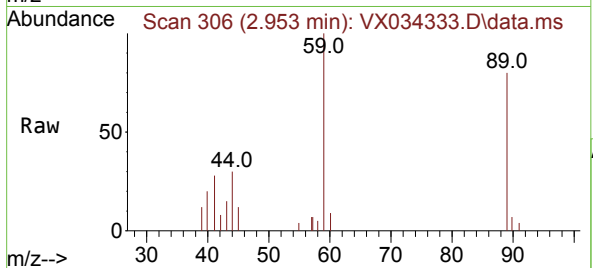




#11
Tert butyl alcohol
Concen: 5.479 ug/l
RT: 2.953 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

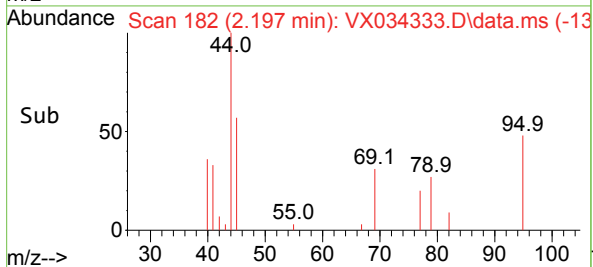
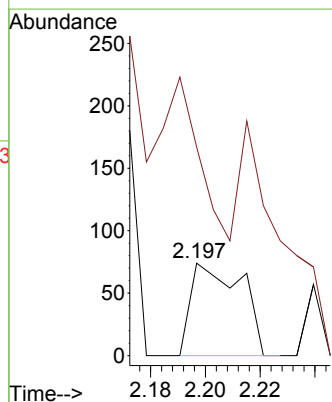
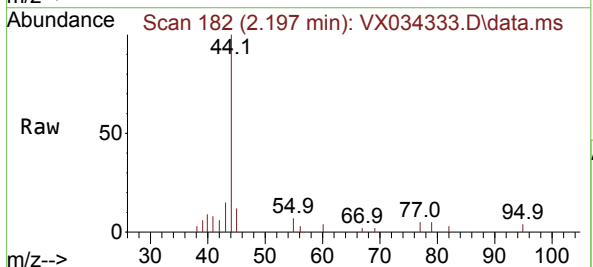
Instrument :
MSVOA_X
ClientSampleId :

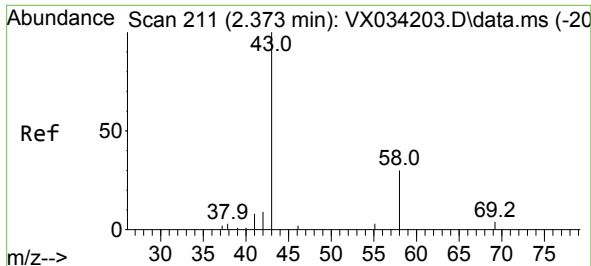
Tgt Ion: 59 Resp: 4252
Ion Ratio Lower Upper
59 100
57 8.5 3.7 5.5#



#13
Acrolein
Concen: 0.265 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.036 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 214.9 56.3 84.5#

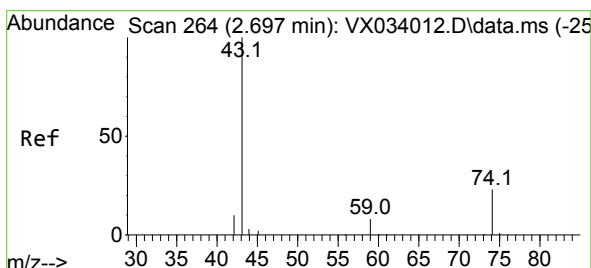
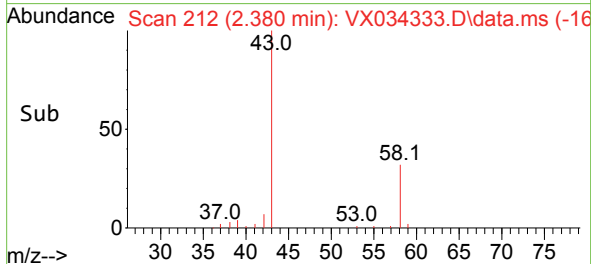
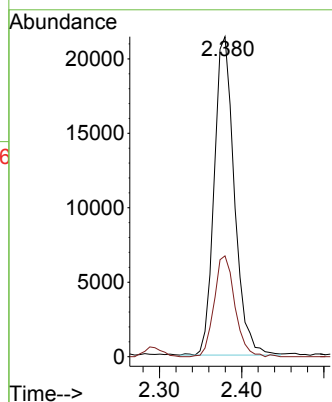
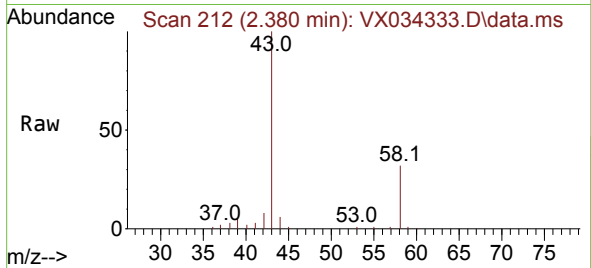




#16
Acetone
Concen: 20.344 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

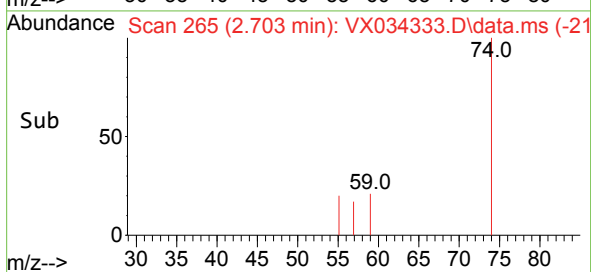
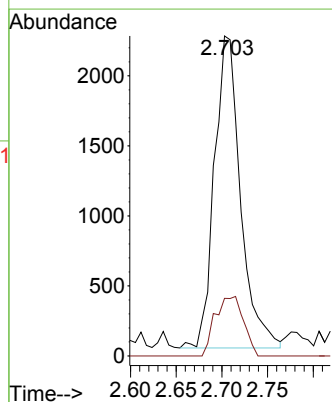
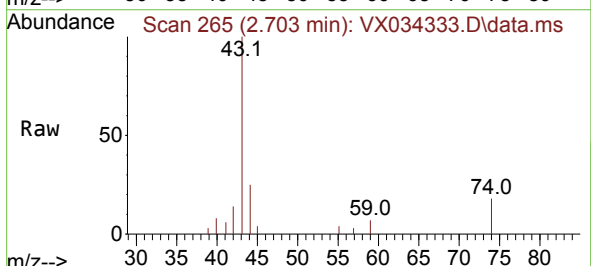
Instrument :
MSVOA_X
ClientSampleId :

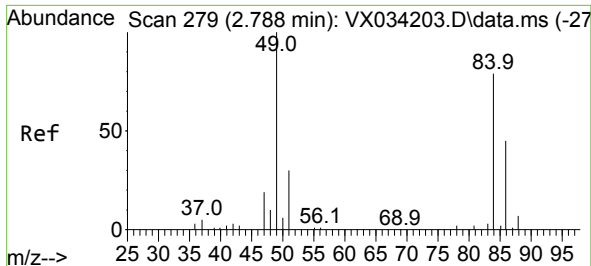
Tgt Ion: 43 Resp: 36414
Ion Ratio Lower Upper
43 100
58 31.7 22.6 33.8



#18
Methyl Acetate
Concen: 0.800 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion: 43 Resp: 4433
Ion Ratio Lower Upper
43 100
74 20.6 18.2 27.4

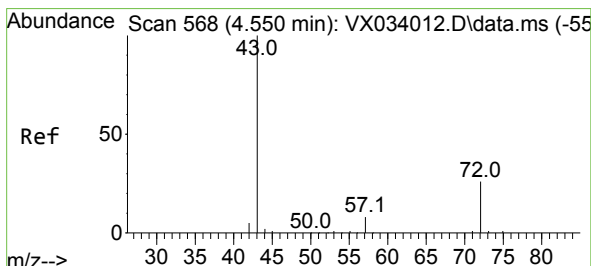
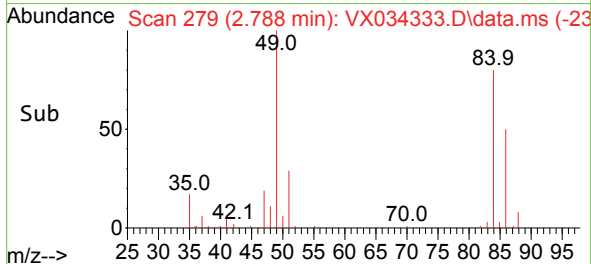
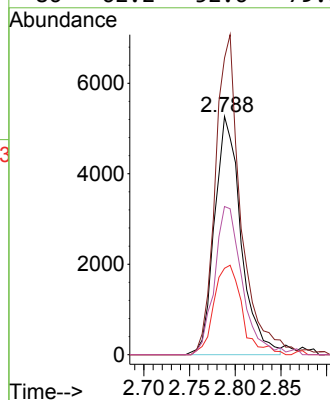
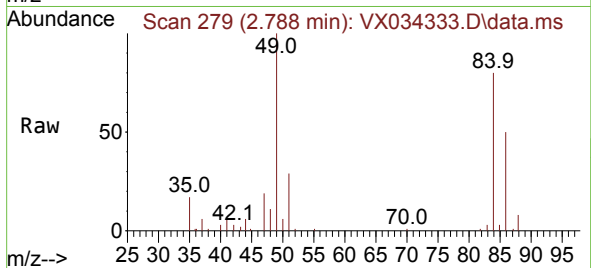




#20
Methylene Chloride
Concen: 3.281 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

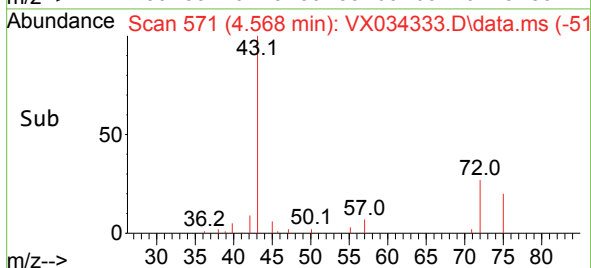
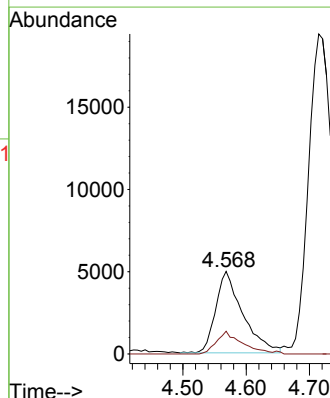
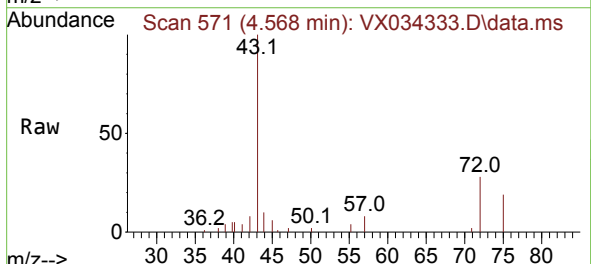
Instrument :
MSVOA_X
ClientSampleId :

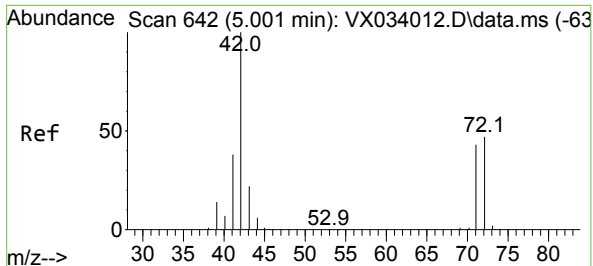
Tgt Ion:	84	Resp:	10583
Ion	Ratio	Lower	Upper
84	100		
49	124.5	101.1	151.7
51	36.3	31.0	46.6
86	62.2	52.6	79.0



#25
2-Butanone
Concen: 5.693 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion:	43	Resp:	14744
Ion	Ratio	Lower	Upper
43	100		
72	27.9	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.670 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

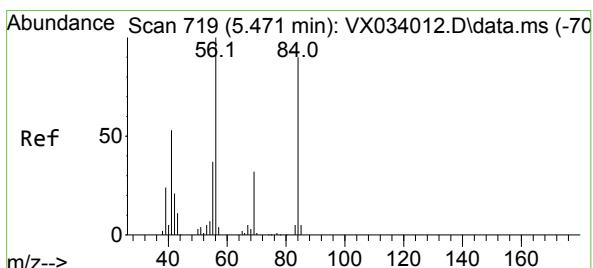
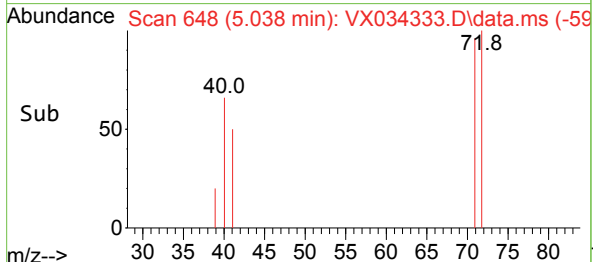
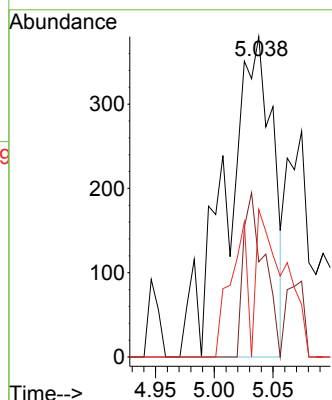
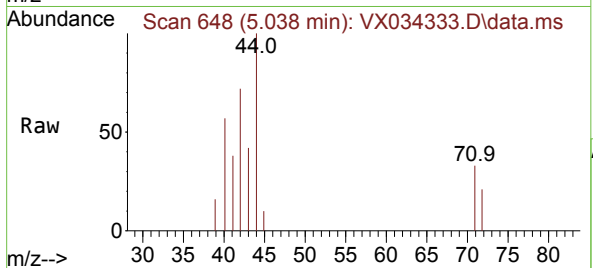
Tgt Ion: 42 Resp: 1059

Ion Ratio Lower Upper

42 100

72 22.7 34.8 52.2#

71 27.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

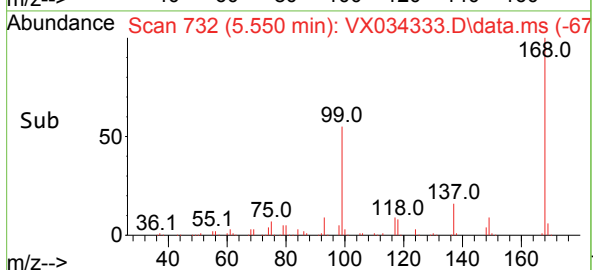
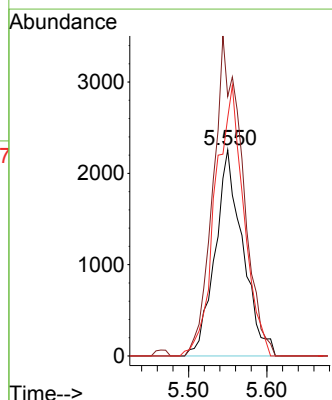
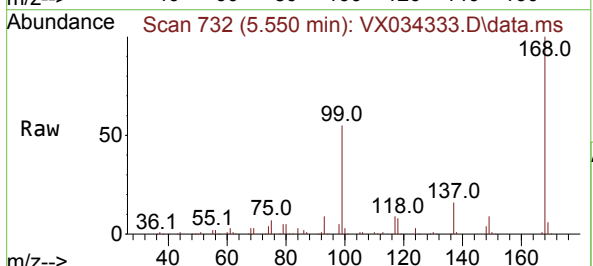
Tgt Ion: 56 Resp: 5539

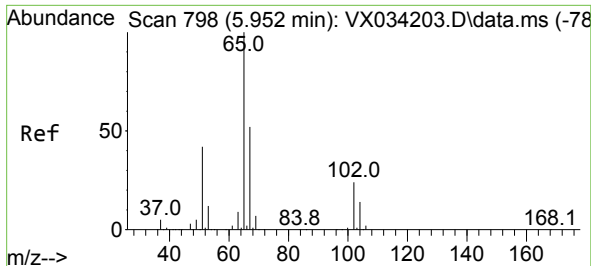
Ion Ratio Lower Upper

56 100

69 125.9 24.6 37.0#

84 115.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.532 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

Instrument :

MSVOA_X

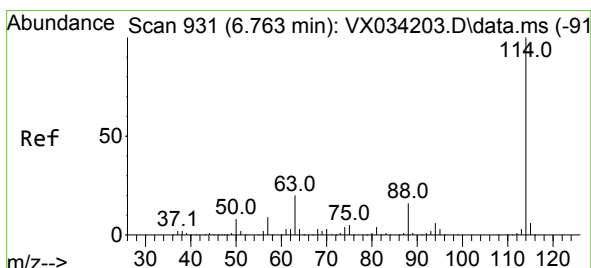
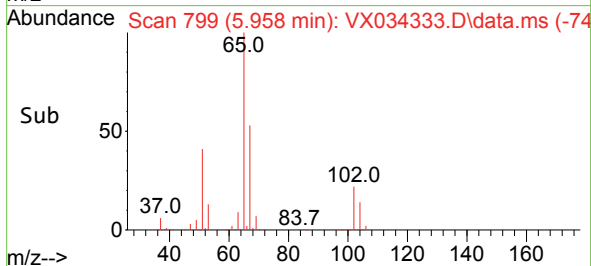
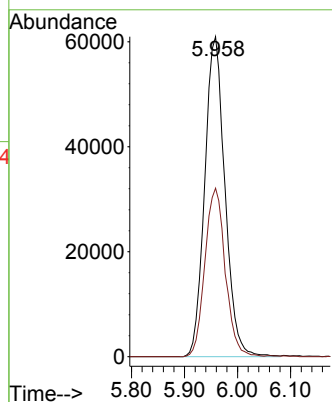
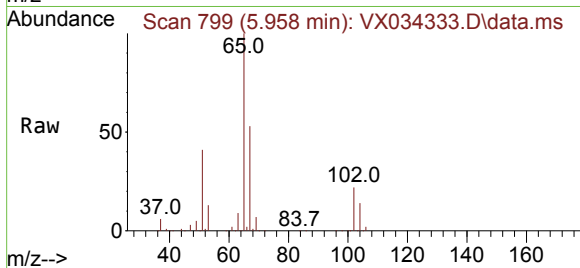
ClientSampleId :

Tgt Ion: 65 Resp: 161461

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

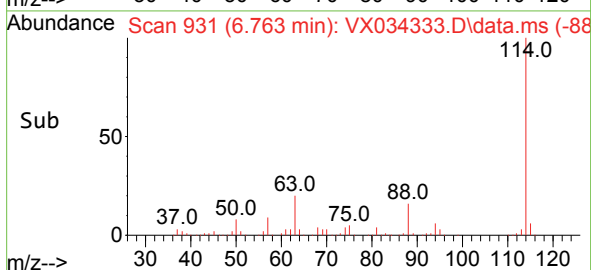
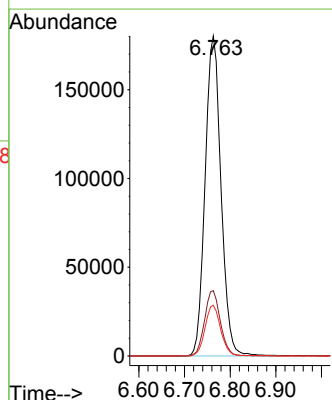
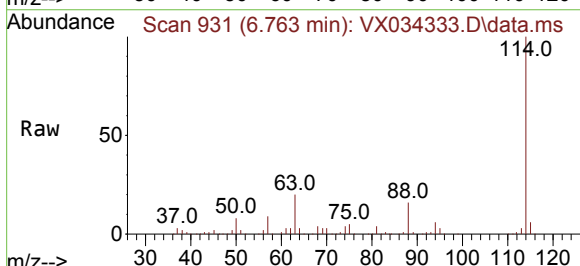
Tgt Ion: 114 Resp: 435560

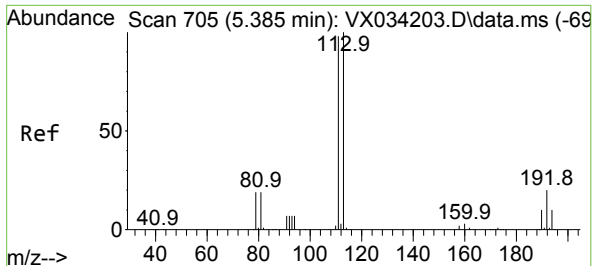
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.8 0.0 30.6

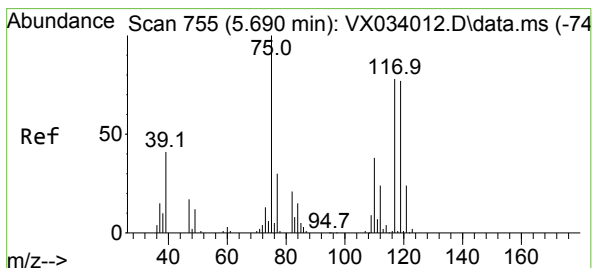
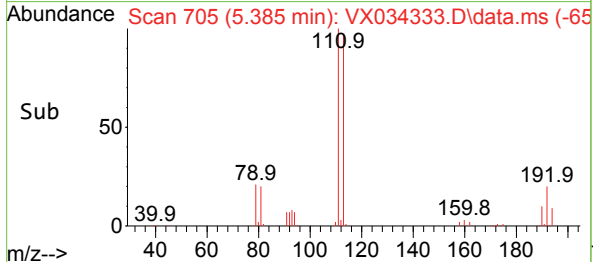
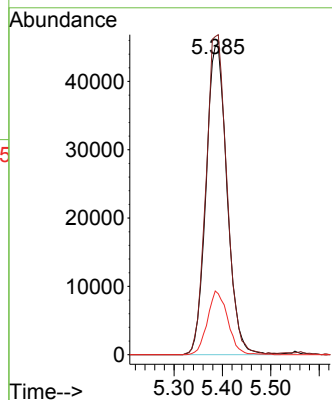
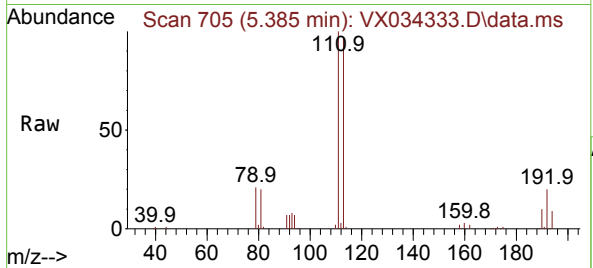




#35
 Dibromofluoromethane
 Concen: 48.132 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX034333.D
 Acq: 03 Mar 2023 19:20

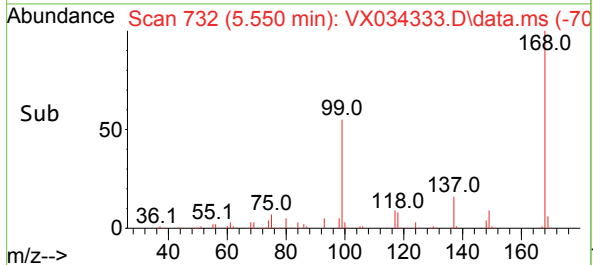
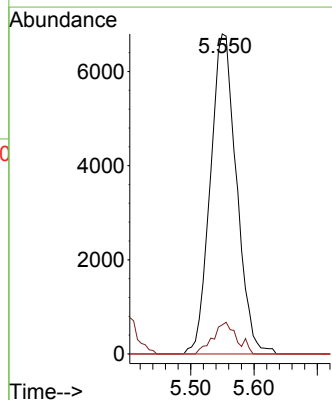
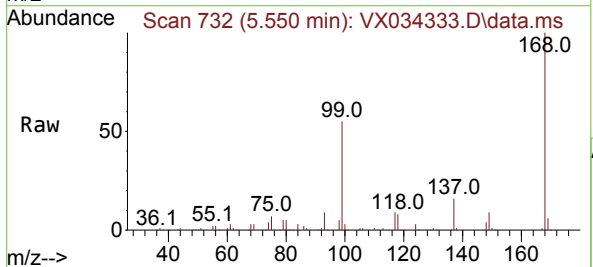
Instrument :
 MSVOA_X
 ClientSampleId :

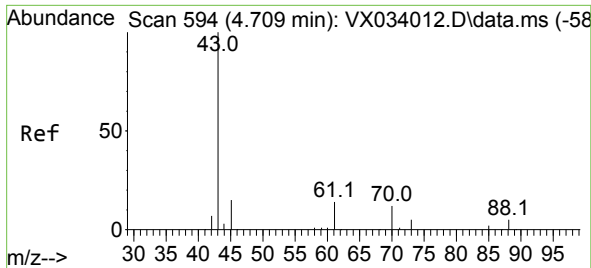
Tgt Ion:113 Resp: 136499
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.6
 192 20.0 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX034333.D
 Acq: 03 Mar 2023 19:20

Tgt Ion: 75 Resp: 19491
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.8 56.4#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 11.710 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.006 min

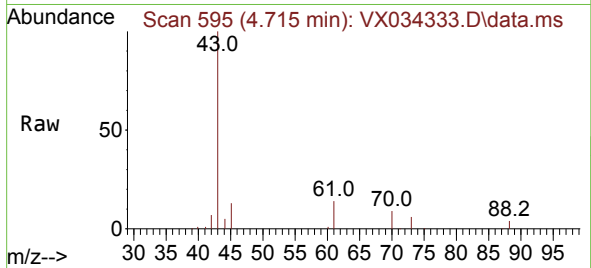
Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :



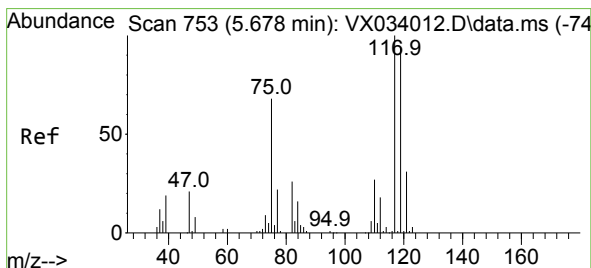
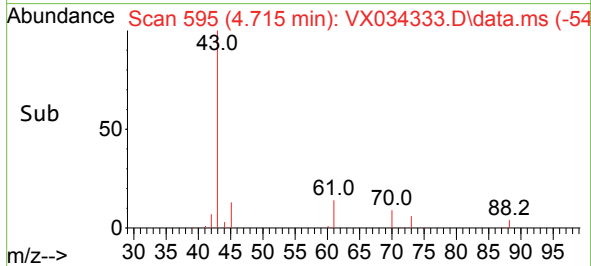
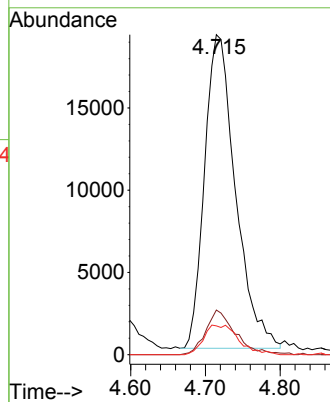
Tgt Ion: 43 Resp: 54886

Ion Ratio Lower Upper

43 100

61 13.7 11.1 16.7

70 10.6 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

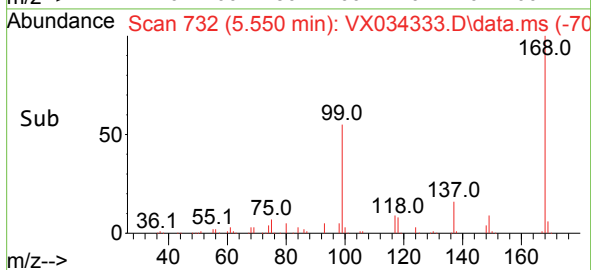
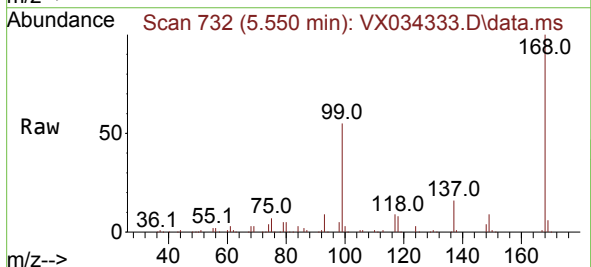
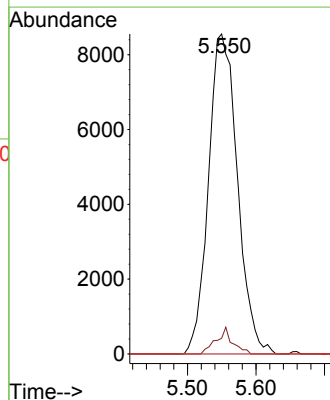
Tgt Ion: 117 Resp: 25083

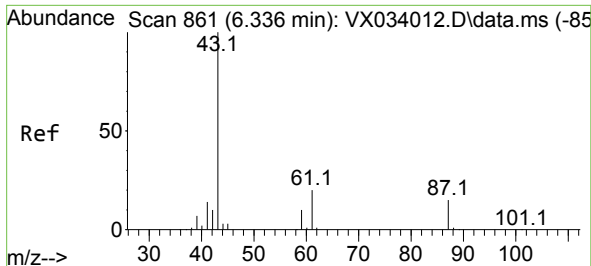
Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.4 36.6#

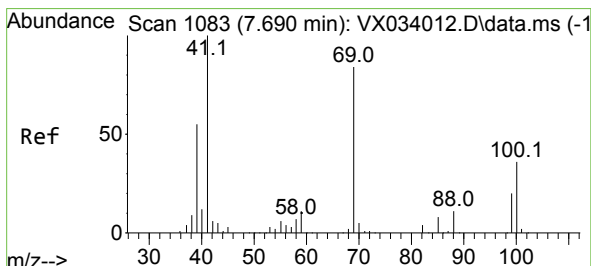
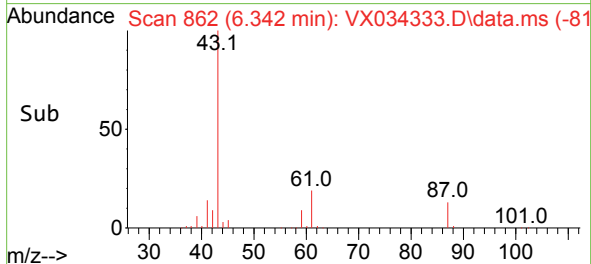
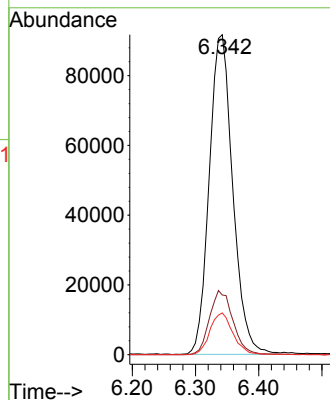
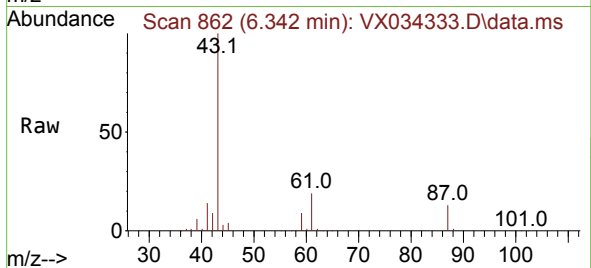




#43
Isopropyl Acetate
Concen: 28.618 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

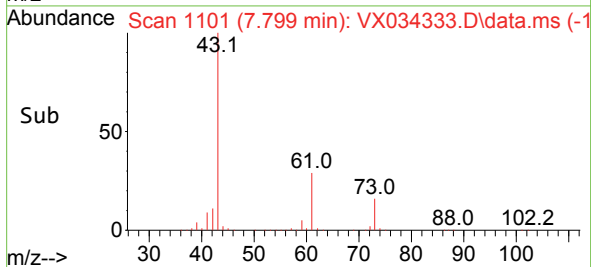
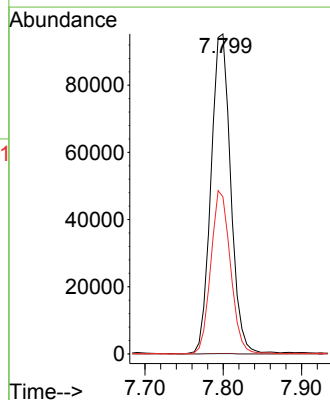
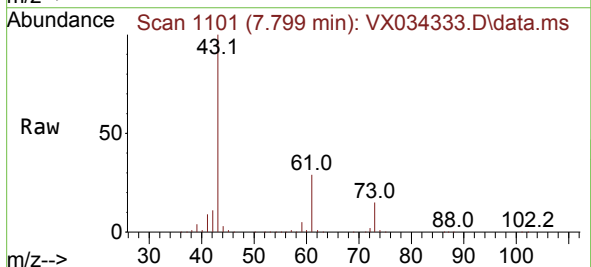
Instrument :
MSVOA_X
ClientSampleId :

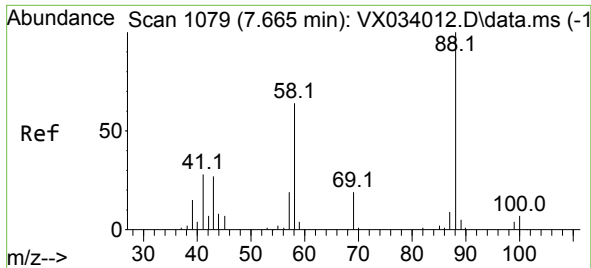
Tgt Ion: 43 Resp: 236710
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 12.8 10.6 15.8



#48
Methyl methacrylate
Concen: 42.415 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion: 41 Resp: 166517
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.1 43.2 64.8

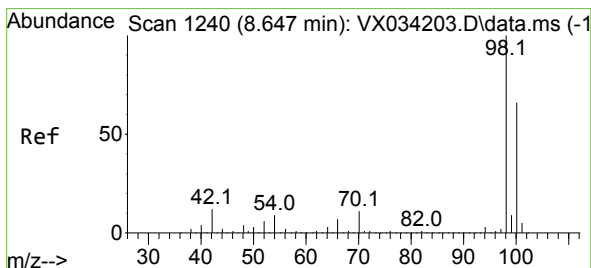
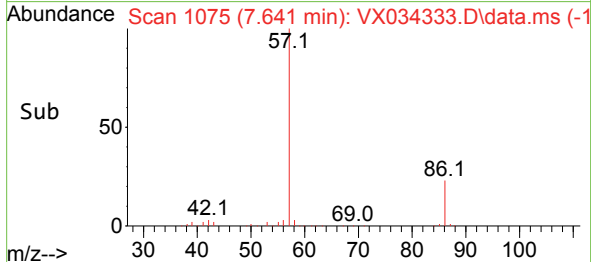
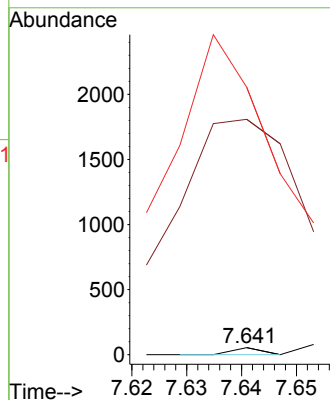
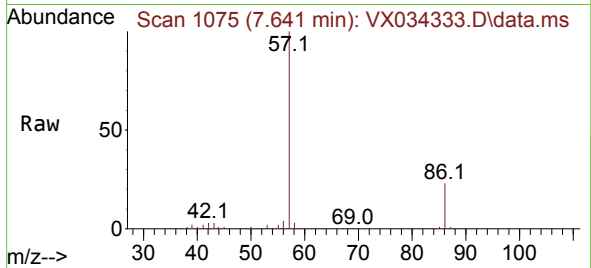




#49
1,4-Dioxane
Concen: 0.255 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

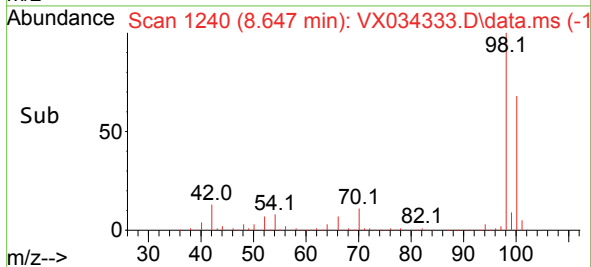
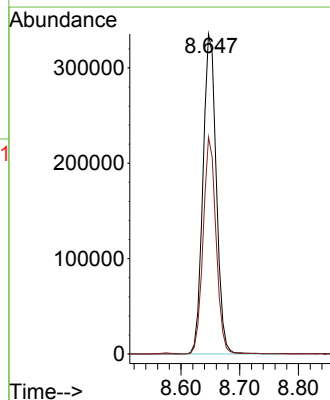
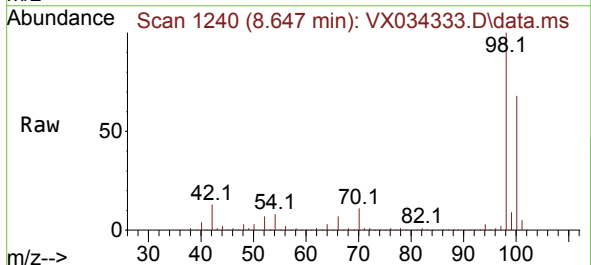
Instrument :
MSVOA_X
ClientSampleId :

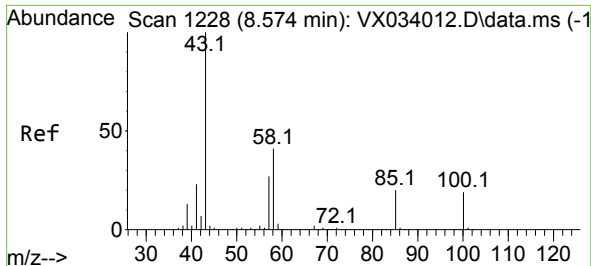
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 20645.0 56.5 84.7#



#50
Toluene-d8
Concen: 52.016 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion: 98 Resp: 529626
Ion Ratio Lower Upper
98 100
100 65.4 53.6 80.4

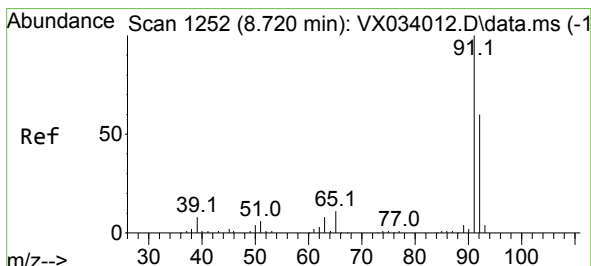
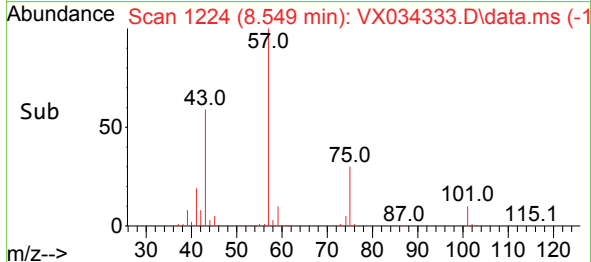
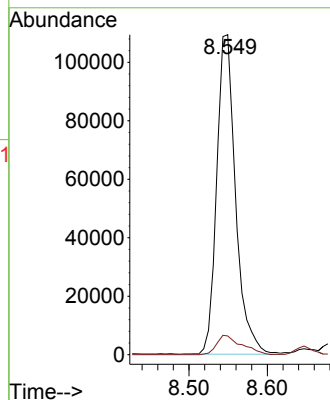
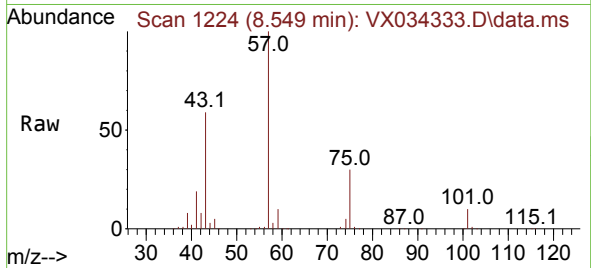




#51
4-Methyl-2-Pentanone
Concen: 40.307 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

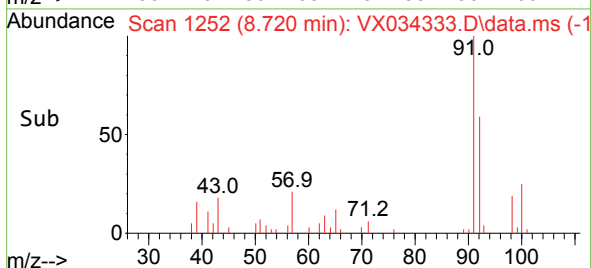
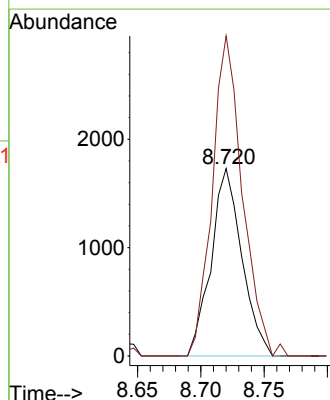
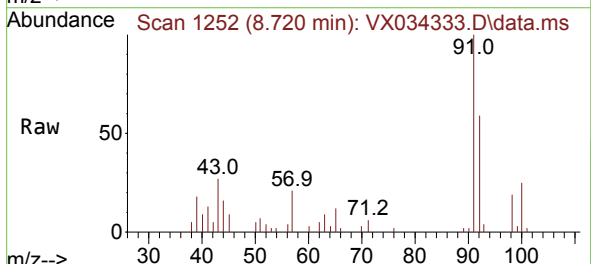
Instrument :
MSVOA_X
ClientSampleId :

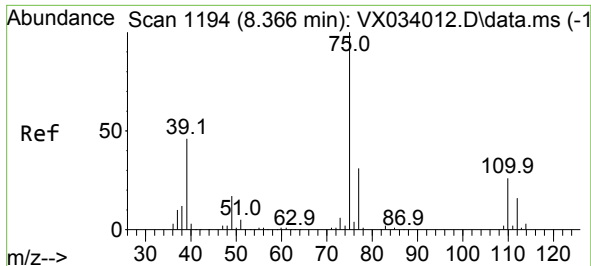
Tgt Ion: 43 Resp: 183426
Ion Ratio Lower Upper
43 100
58 8.0 31.2 46.8#



#52
Toluene
Concen: 0.388 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion: 92 Resp: 2920
Ion Ratio Lower Upper
92 100
91 168.1 135.5 203.3

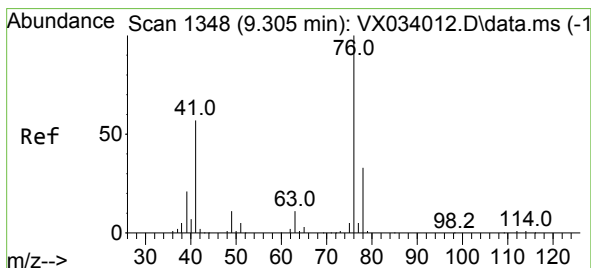
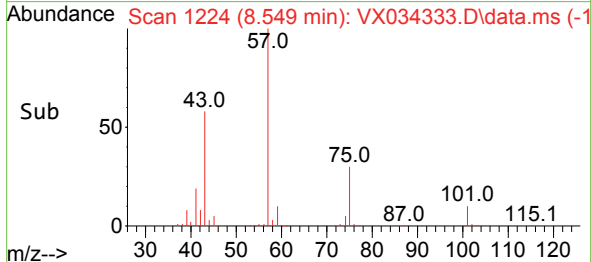
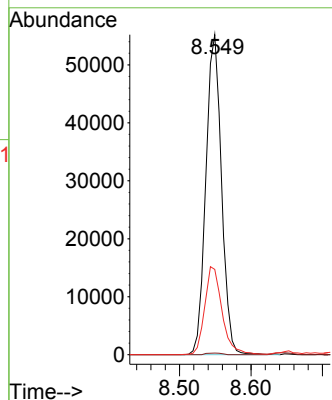
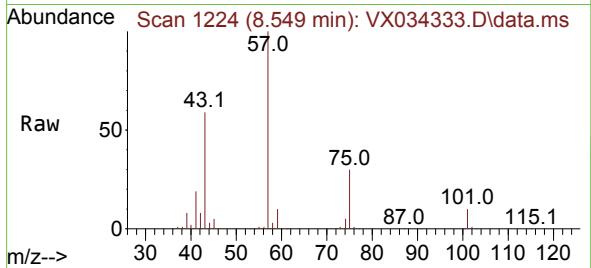




#54
 cis-1,3-Dichloropropene
 Concen: 15.244 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034333.D
 Acq: 03 Mar 2023 19:20

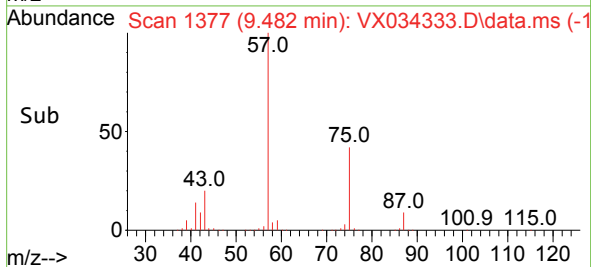
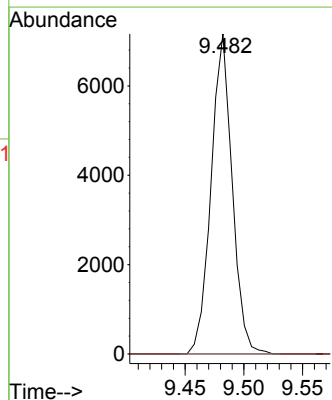
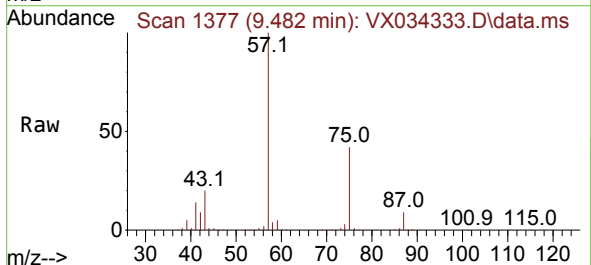
Instrument :
 MSVOA_X
 ClientSampleId :

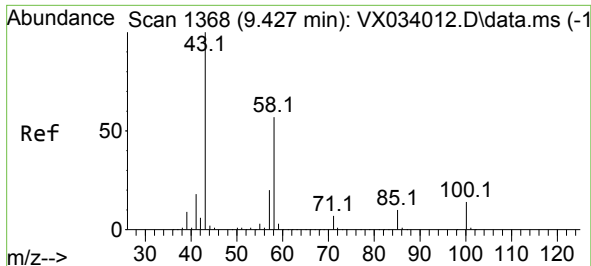
Tgt Ion: 75 Resp: 83943
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 26.6 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 1.696 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034333.D
 Acq: 03 Mar 2023 19:20

Tgt Ion: 76 Resp: 8970
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 35.639 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

Instrument :

MSVOA_X

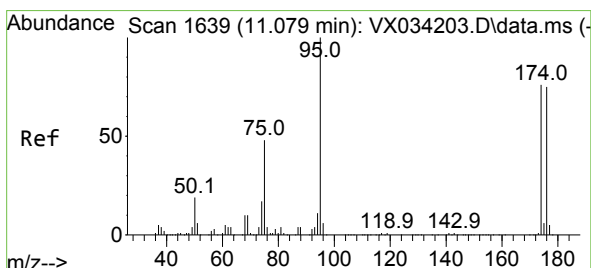
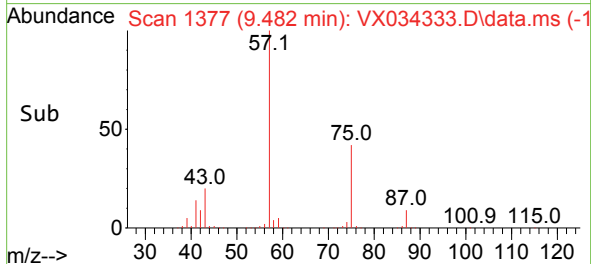
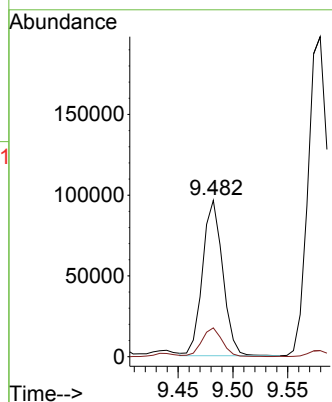
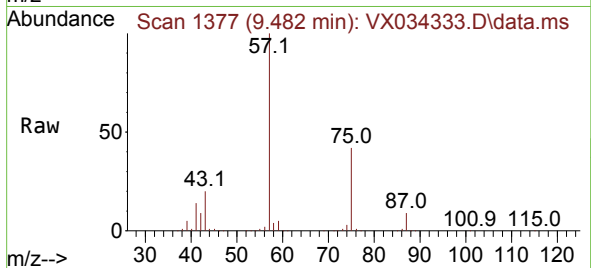
ClientSampleId :

Tgt Ion: 43 Resp: 123602

Ion Ratio Lower Upper

43 100

58 19.1 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 48.031 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

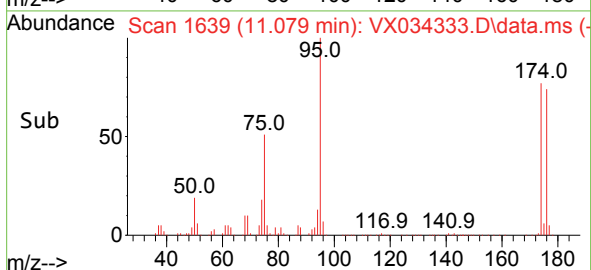
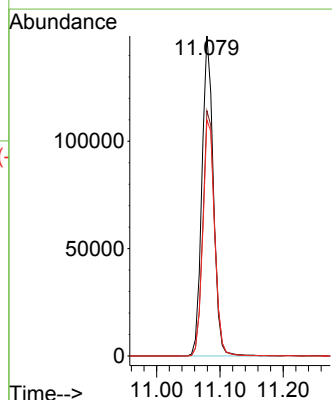
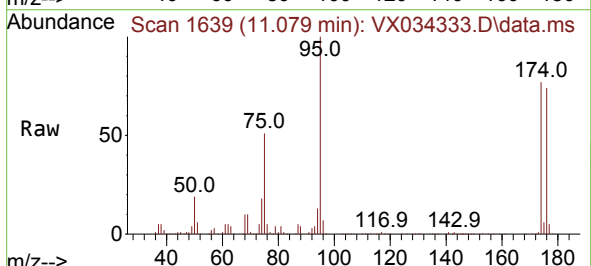
Tgt Ion: 95 Resp: 187062

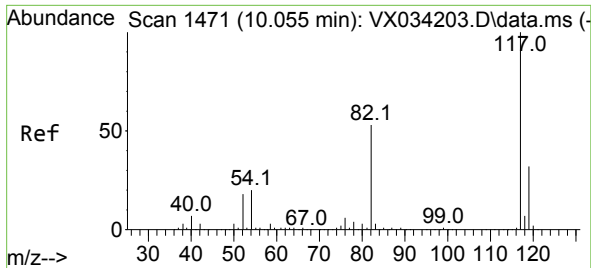
Ion Ratio Lower Upper

95 100

174 78.6 0.0 184.4

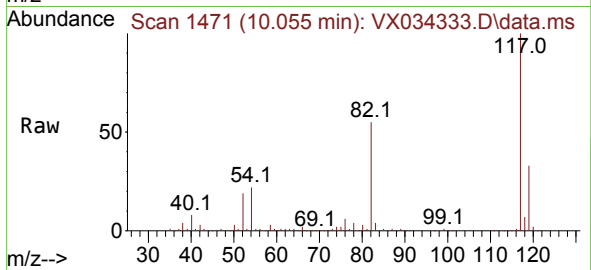
176 76.5 0.0 178.8



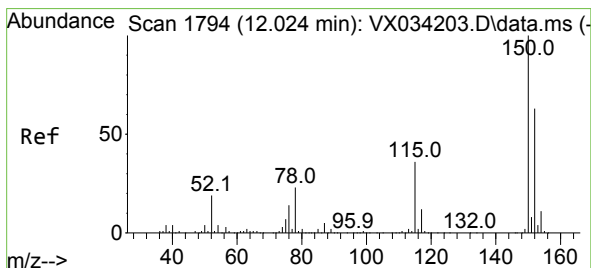
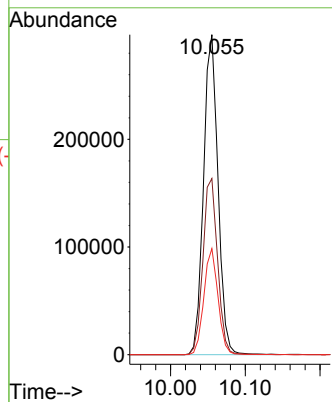
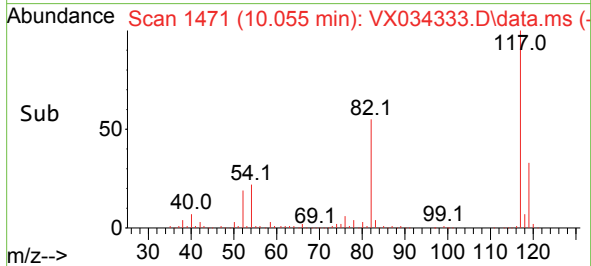


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :

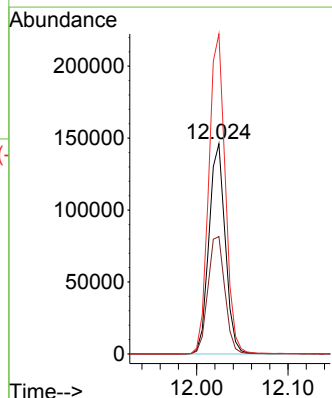
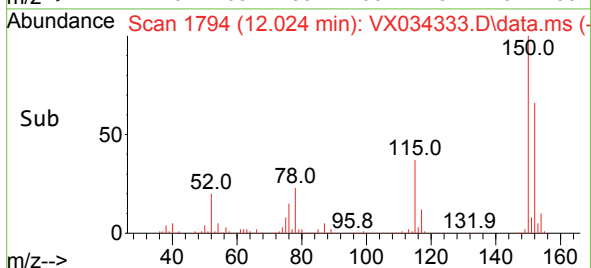
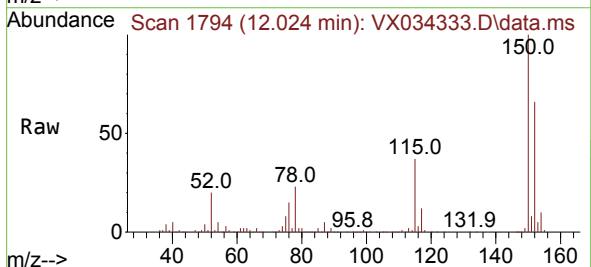


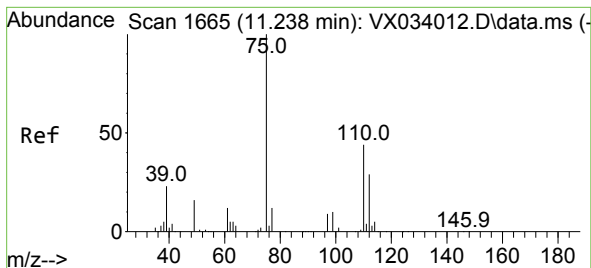
Tgt Ion:117 Resp: 399262
Ion Ratio Lower Upper
117 100
82 55.0 40.6 60.8
119 33.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Tgt Ion:152 Resp: 181403
Ion Ratio Lower Upper
152 100
115 58.3 38.7 116.1
150 154.4 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 20.656 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

Instrument :

MSVOA_X

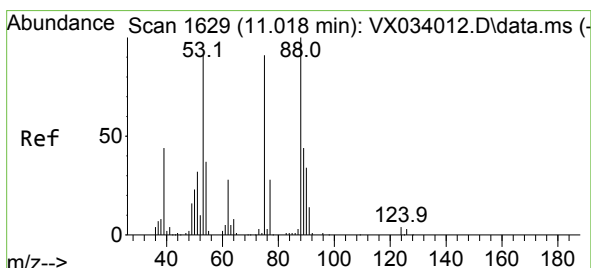
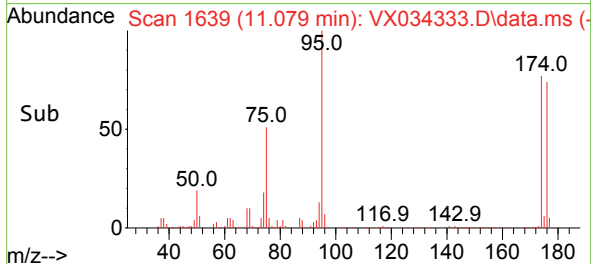
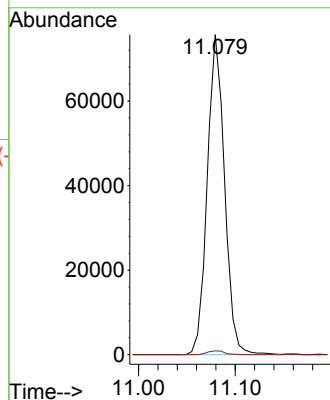
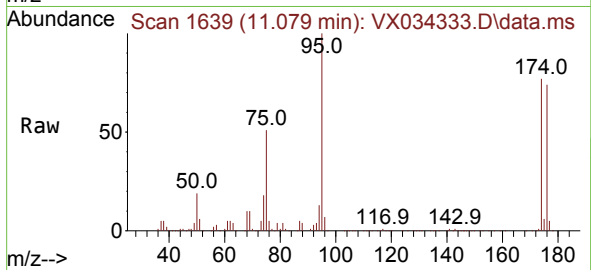
ClientSampleId :

Tgt Ion: 75 Resp: 94287

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.064 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034333.D

Acq: 03 Mar 2023 19:20

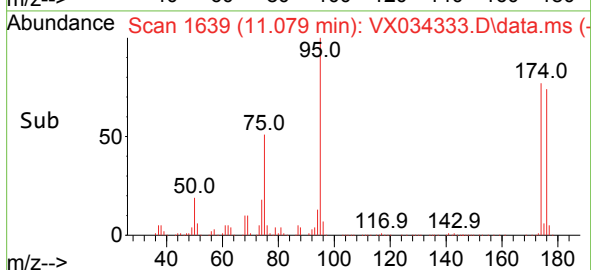
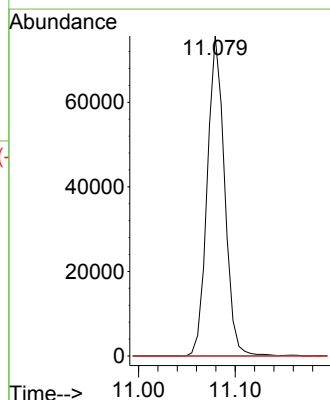
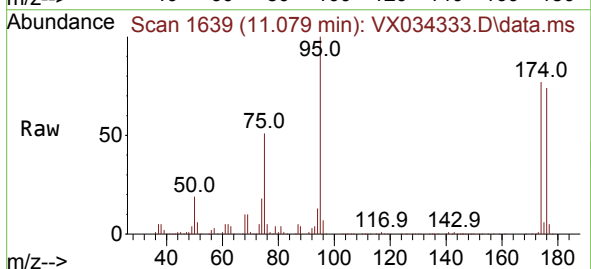
Tgt Ion: 75 Resp: 94287

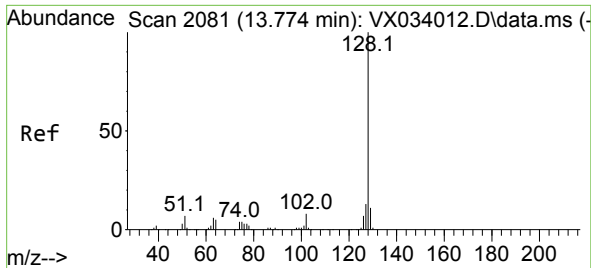
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

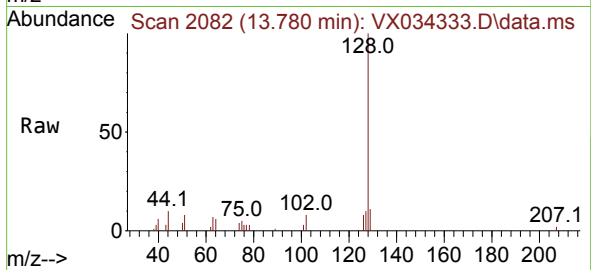
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.533 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034333.D
Acq: 03 Mar 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	7033
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.6	8.7	13.1

