

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034318.D
 Acq On : 03 Mar 2023 13:26
 Operator : JC/MD
 Sample : PB151167TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 22:11:13 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)

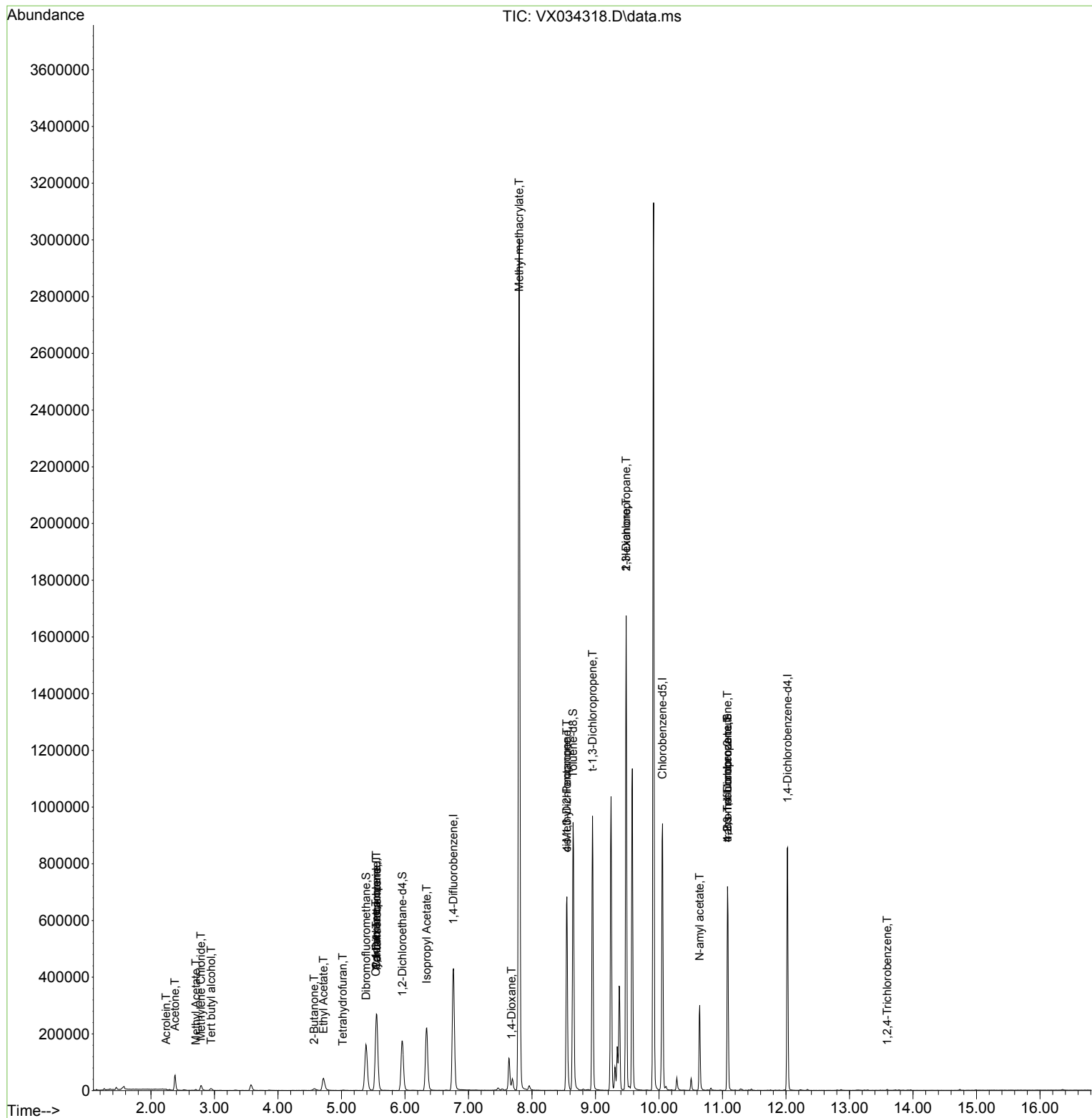
Internal Standards						
1) Pentafluorobenzene	5.556	168	271567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	456049	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	183731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165169	45.161	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.320%		
35) Dibromofluoromethane	5.385	113	140410	47.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.580%		
50) Toluene-d8	8.647	98	553552	51.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.840%		
62) 4-Bromofluorobenzene	11.079	95	190114	46.621	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.240%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	390	Below Cal	#	79
11) Tert butyl alcohol	2.947	59	4681	5.722	ug/l #	96
13) Acrolein	2.240	56	432	1.157	ug/l	97
16) Acetone	2.380	43	56275	29.828	ug/l	97
18) Methyl Acetate	2.709	43	3976	0.681	ug/l	99
20) Methylene Chloride	2.788	84	8536	2.511	ug/l	95
25) 2-Butanone	4.568	43	7432	2.723	ug/l #	86
29) Tetrahydrofuran	5.020	42	810	0.486	ug/l #	91
31) Cyclohexane	5.544	56	5181	0.949	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20332	4.630	ug/l #	48
37) Ethyl Acetate	4.715	43	77302	15.751	ug/l	99
38) Carbon Tetrachloride	5.550	117	25701	5.688	ug/l #	15
43) Isopropyl Acetate	6.342	43	317987	36.717	ug/l	100
48) Methyl methacrylate	7.800	41	249845	60.781	ug/l #	45
49) 1,4-Dioxane	7.678	88	110	1.342	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	239255	50.213	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	2300	0.427	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	112662	19.540	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	13566	2.450	ug/l #	43
59) 2-Hexanone	9.482	43	197169	54.297	ug/l #	50
74) N-amyl acetate	10.640	43	83245	11.833	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	98913	21.395	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	98913	54.962	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	822	0.207	ug/l	86

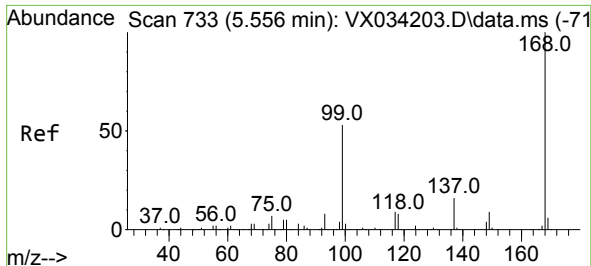
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

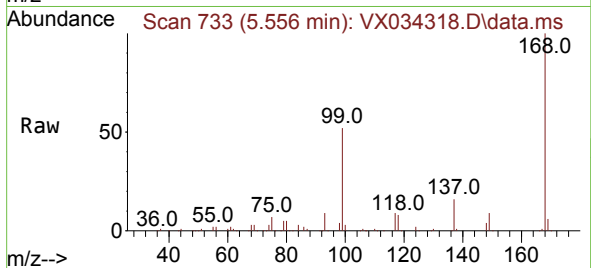
Quant Time: Mar 03 22:11:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
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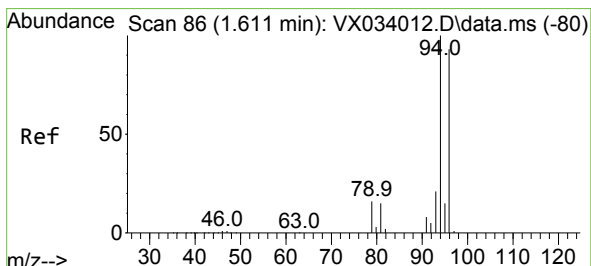
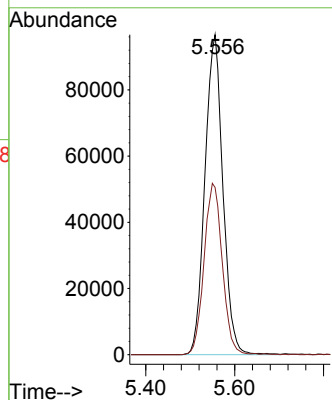
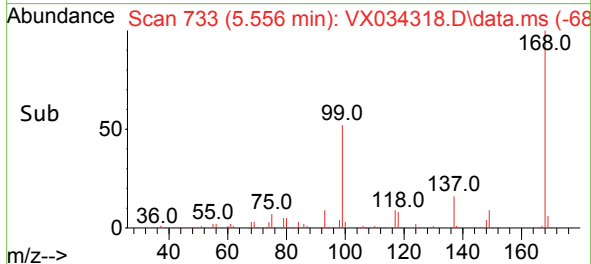


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Instrument :
MSVOA_X
ClientSampleId :

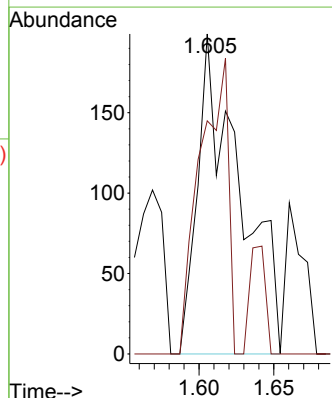
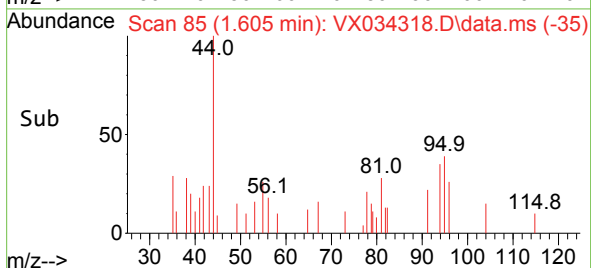
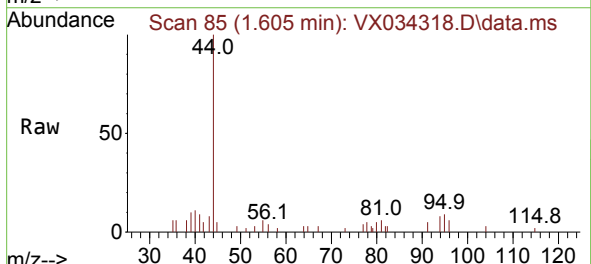


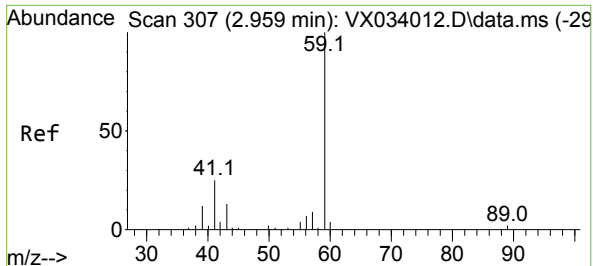
Tgt Ion:168 Resp: 271567
Ion Ratio Lower Upper
168 100
99 52.2 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 72.9 74.3 111.5#





#11

Tert butyl alcohol

Concen: 5.722 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX034318.D

Acq: 03 Mar 2023 13:26

Instrument :

MSVOA_X

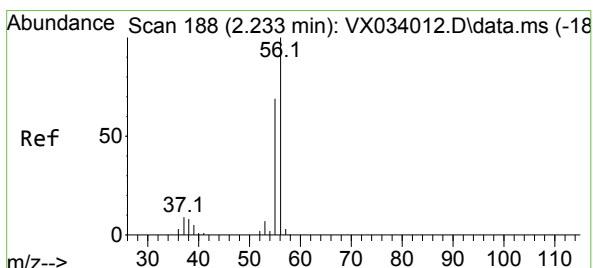
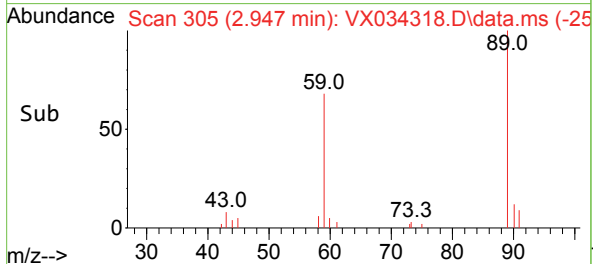
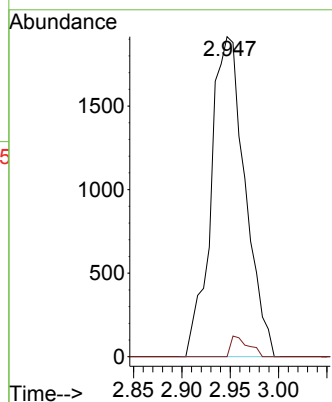
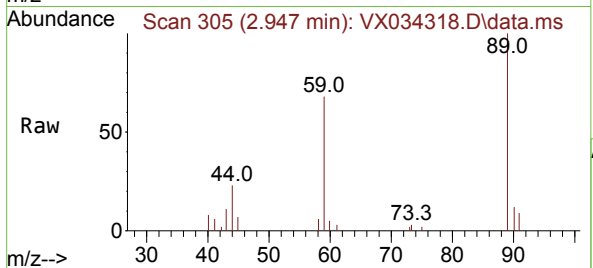
ClientSampleId :

Tgt Ion: 59 Resp: 4681

Ion Ratio Lower Upper

59 100

57 3.3 3.7 5.5#



#13

Acrolein

Concen: 1.157 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX034318.D

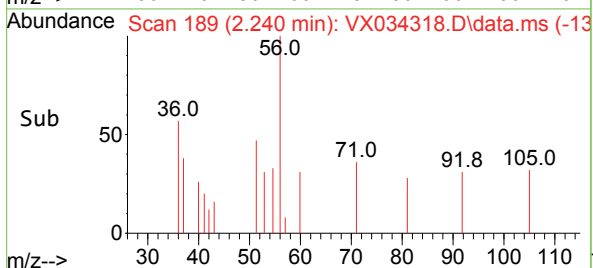
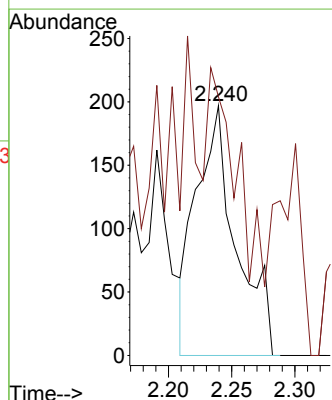
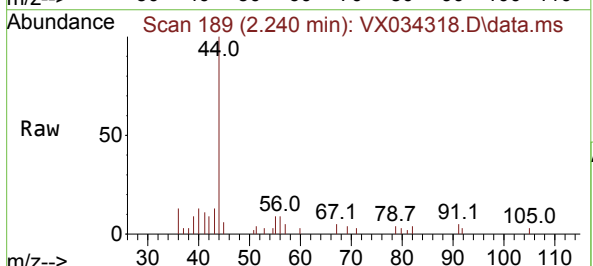
Acq: 03 Mar 2023 13:26

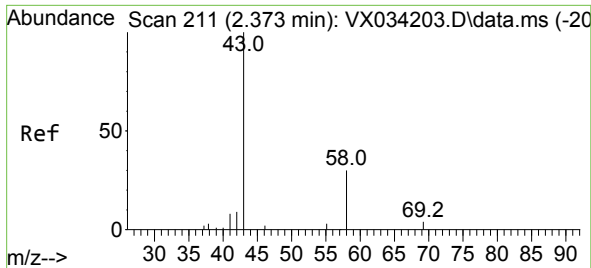
Tgt Ion: 56 Resp: 432

Ion Ratio Lower Upper

56 100

55 72.7 56.3 84.5

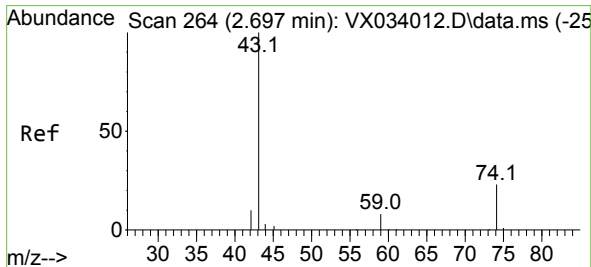
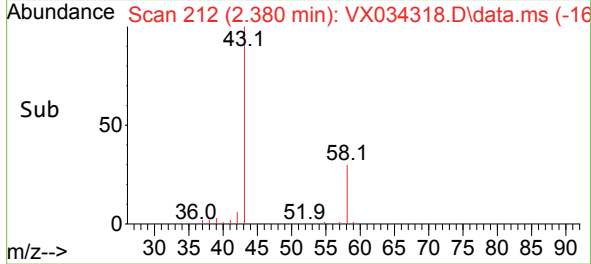
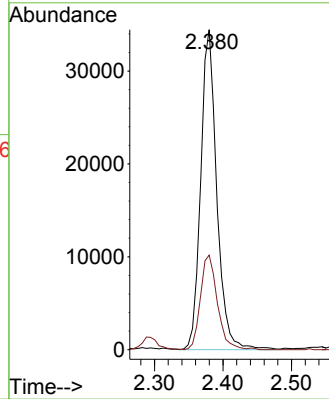
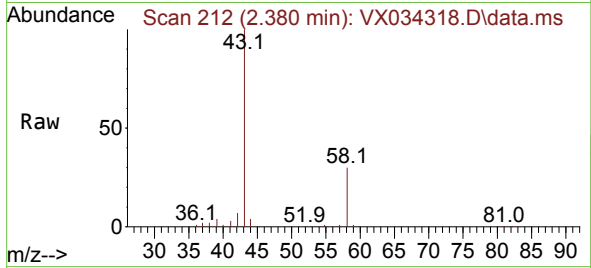




#16
Acetone
Concen: 29.828 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

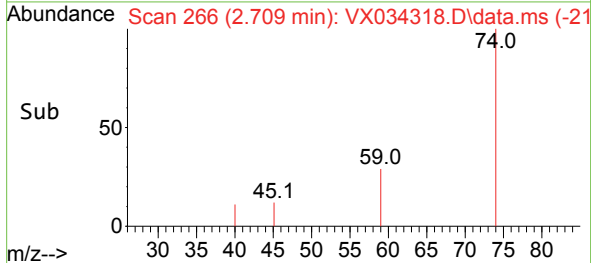
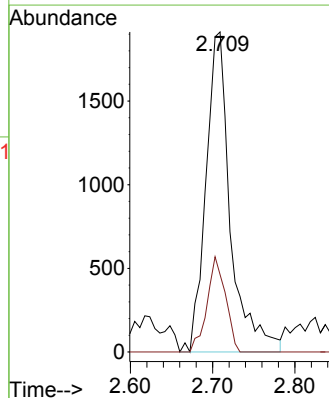
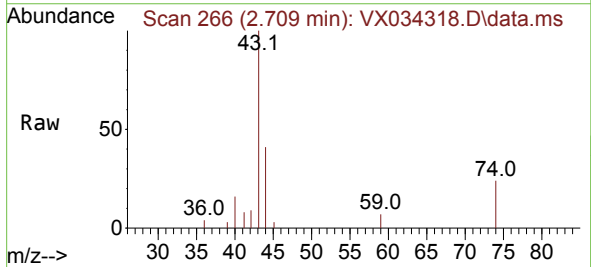
Instrument :
MSVOA_X
ClientSampleId :

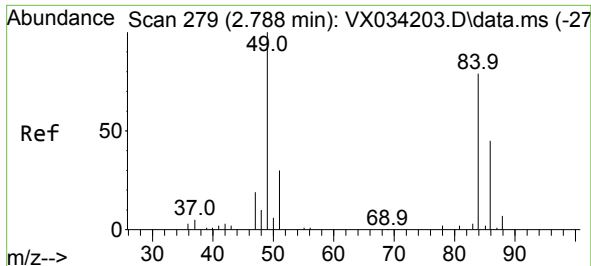
Tgt Ion: 43 Resp: 56275
Ion Ratio Lower Upper
43 100
58 29.6 22.6 33.8



#18
Methyl Acetate
Concen: 0.681 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion: 43 Resp: 3976
Ion Ratio Lower Upper
43 100
74 22.4 18.2 27.4



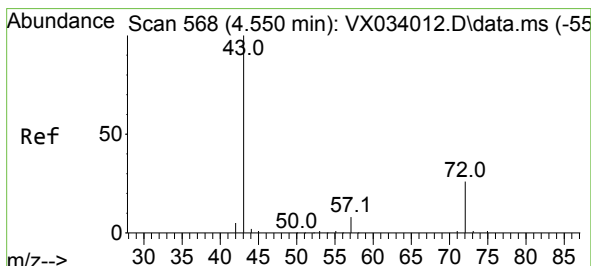
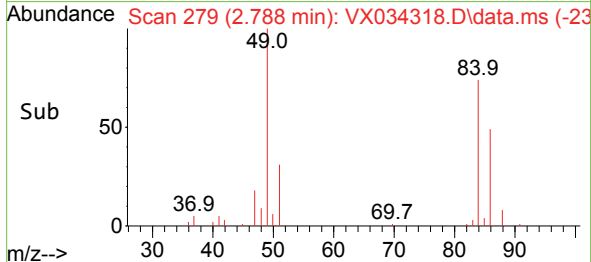
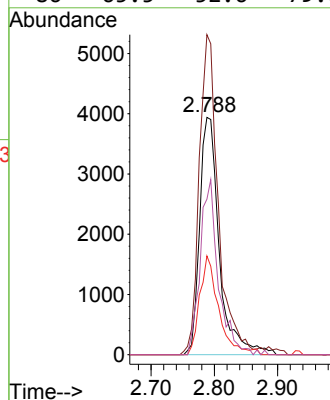
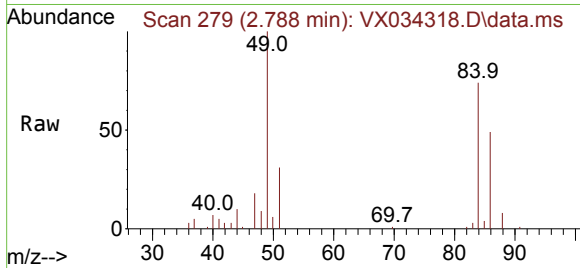


#20
Methylene Chloride
Concen: 2.511 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 8536

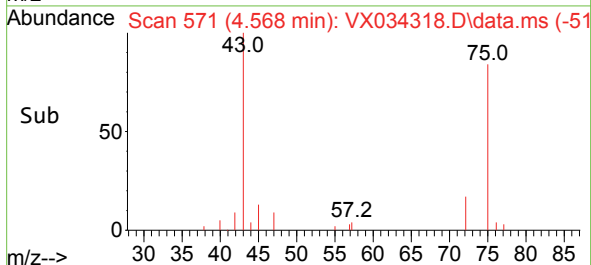
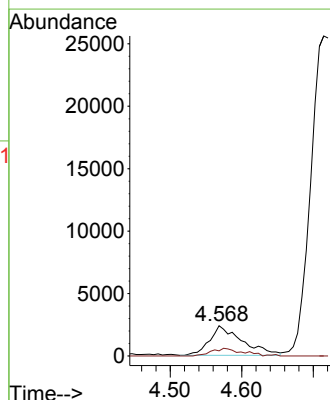
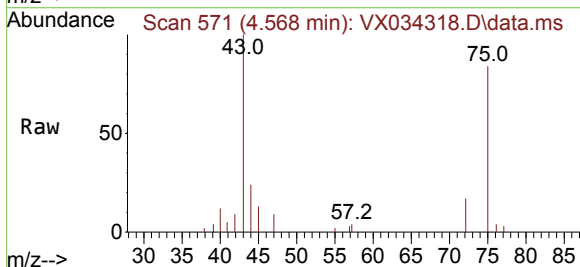
Ion	Ratio	Lower	Upper
84	100		
49	134.8	101.1	151.7
51	41.6	31.0	46.6
86	65.5	52.6	79.0

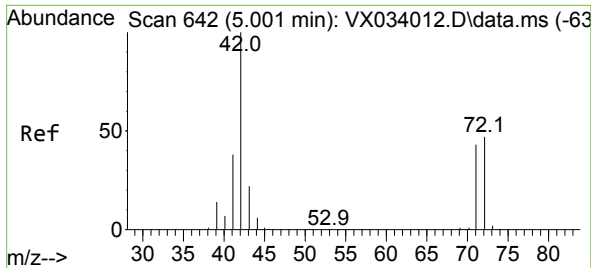


#25
2-Butanone
Concen: 2.723 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion: 43 Resp: 7432

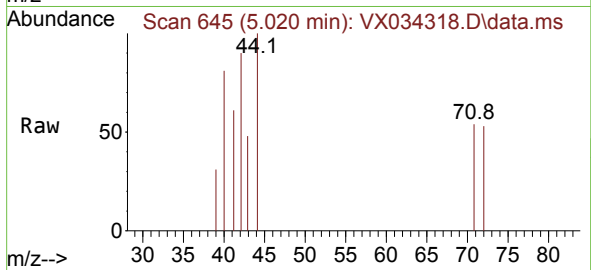
Ion	Ratio	Lower	Upper
43	100		
72	17.4	19.4	29.2#



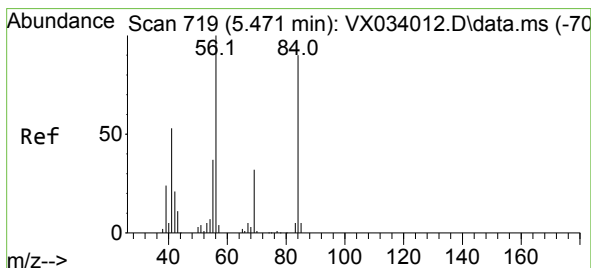
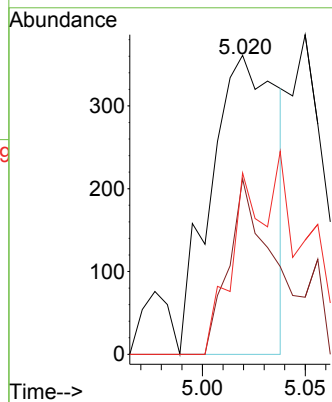
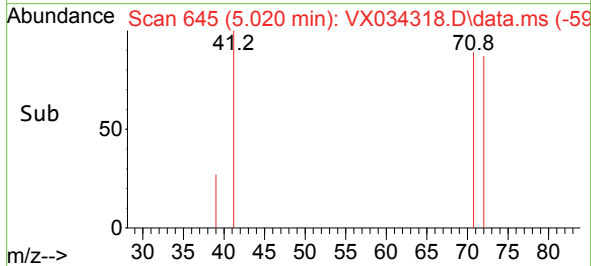


#29
Tetrahydrofuran
Concen: 0.486 ug/l
RT: 5.020 min Scan# 642
Delta R.T. 0.025 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

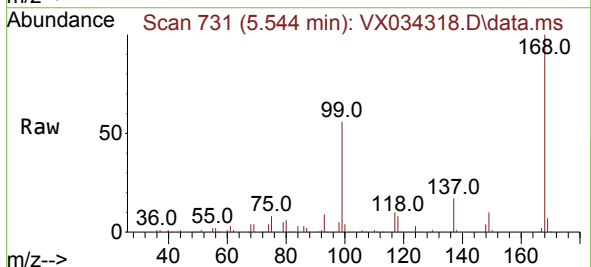
Instrument :
MSVOA_X
ClientSampleId :



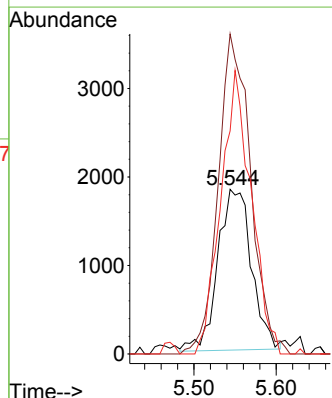
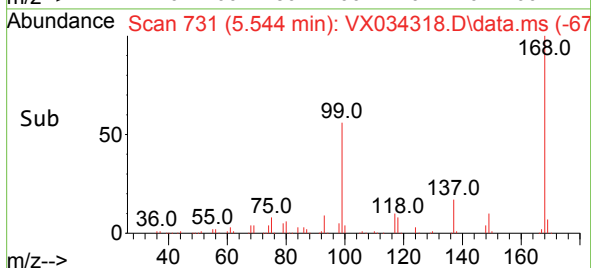
Tgt Ion: 42 Resp: 810
Ion Ratio Lower Upper
42 100
72 46.3 34.8 52.2
71 31.4 32.2 48.2#

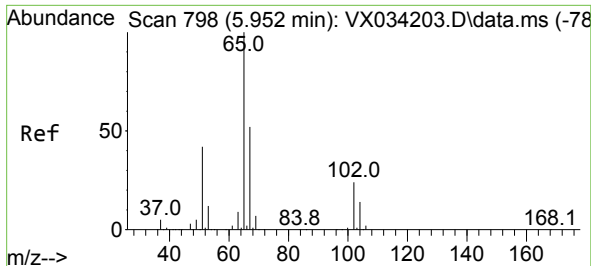


#31
Cyclohexane
Concen: 0.949 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26



Tgt Ion: 56 Resp: 5181
Ion Ratio Lower Upper
56 100
69 200.6 24.6 37.0#
84 139.8 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.161 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034318.D

Acq: 03 Mar 2023 13:26

Instrument :

MSVOA_X

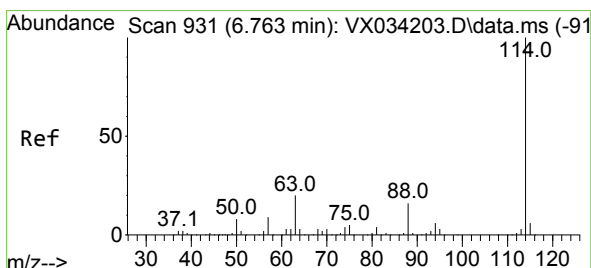
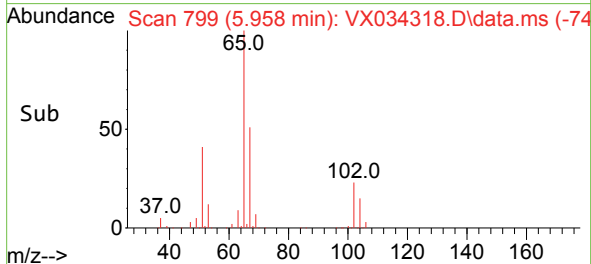
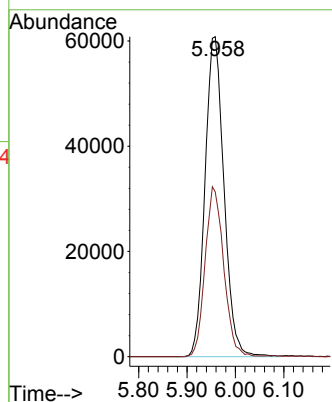
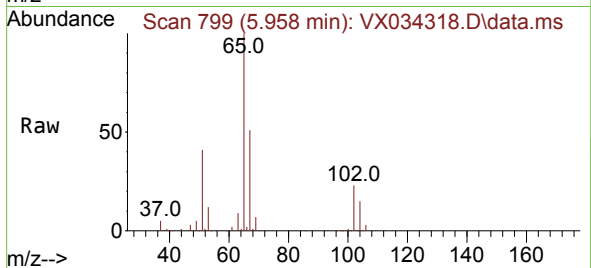
ClientSampleId :

Tgt Ion: 65 Resp: 165169

Ion Ratio Lower Upper

65 100

67 52.3 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: VX034318.D

Acq: 03 Mar 2023 13:26

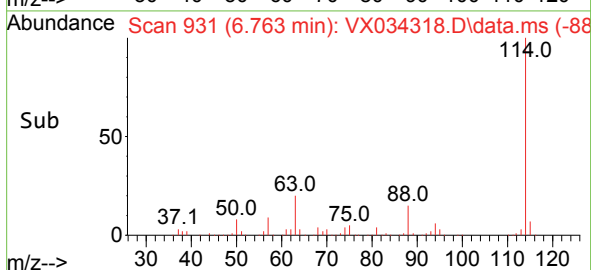
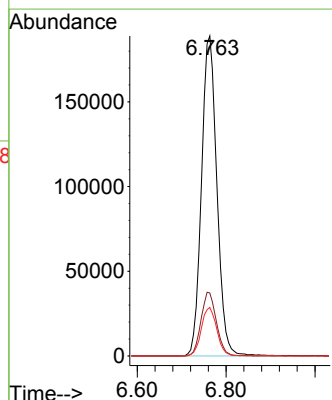
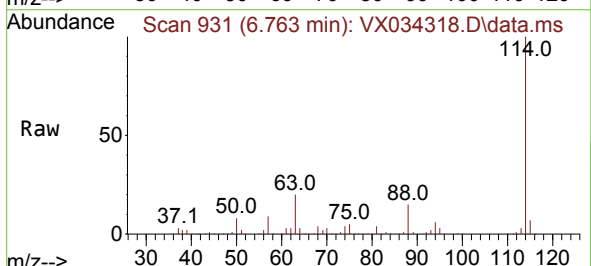
Tgt Ion: 114 Resp: 456049

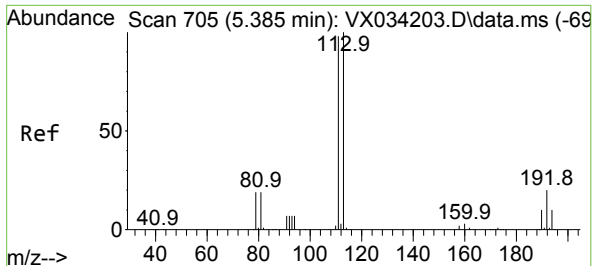
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

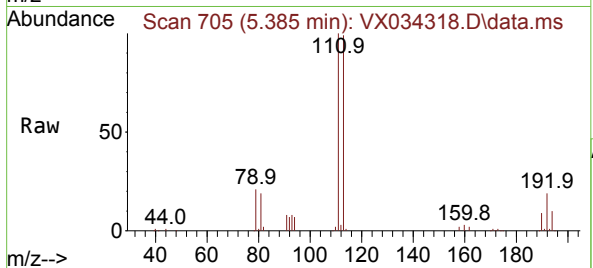
88 15.1 0.0 30.6



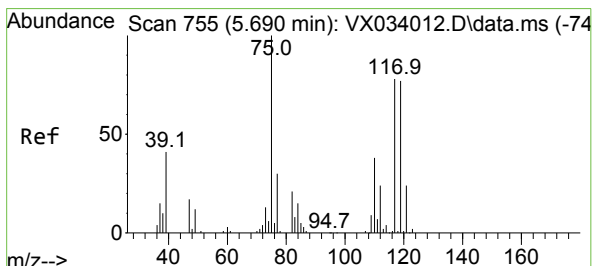
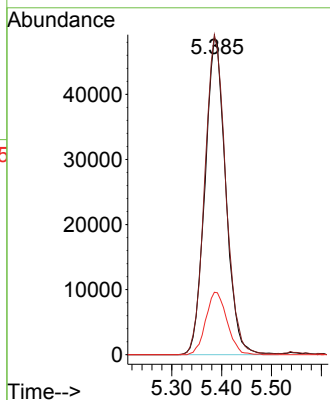
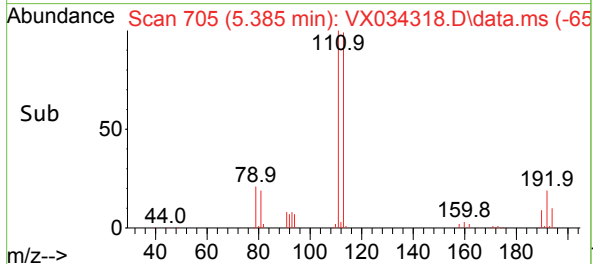


#35
Dibromofluoromethane
Concen: 47.287 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Instrument :
MSVOA_X
ClientSampleId :

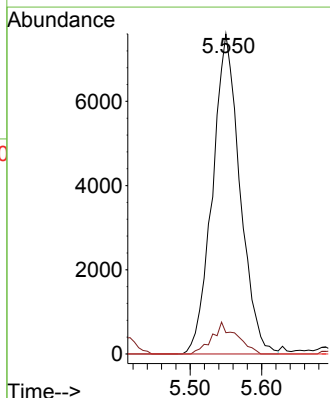
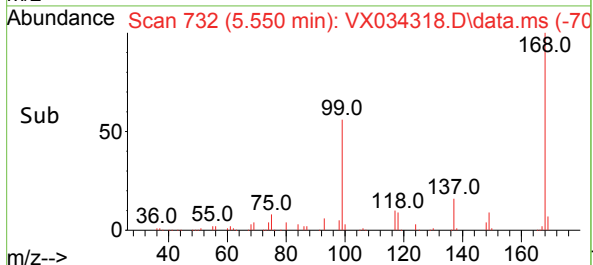
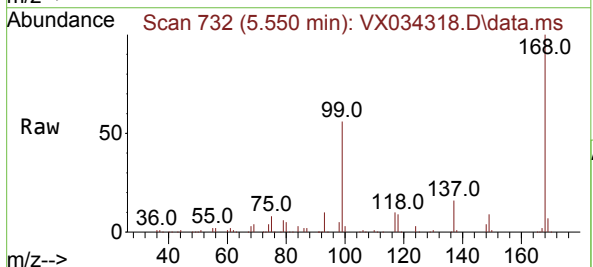


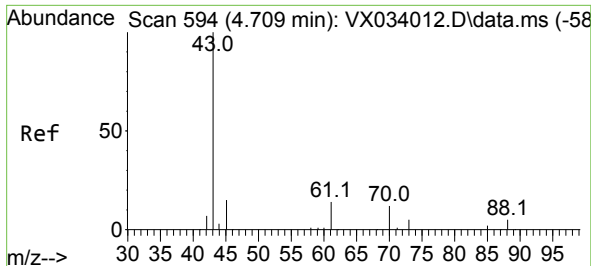
Tgt Ion:113 Resp: 140410
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.6
192 20.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.630 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion: 75 Resp: 20332
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 15.751 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

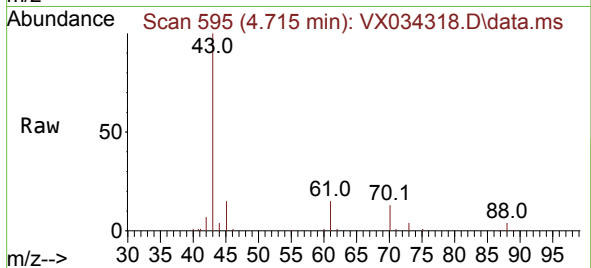
Lab File: VX034318.D

Acq: 03 Mar 2023 13:26

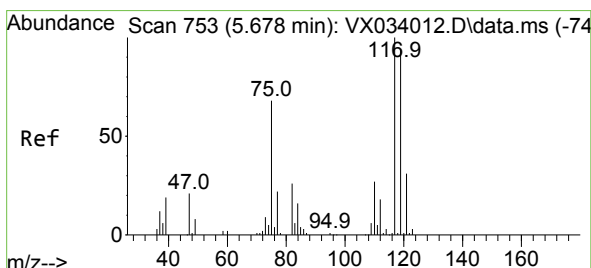
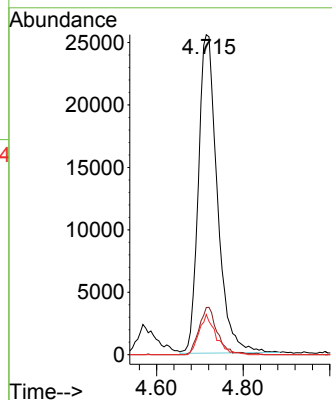
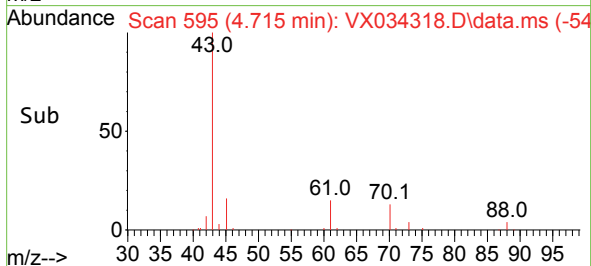
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	77302
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	11.3	8.5	12.7



#38

Carbon Tetrachloride

Concen: 5.688 ug/l

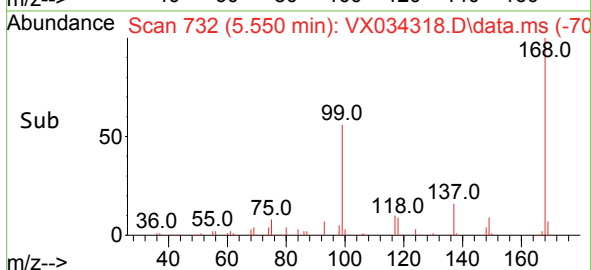
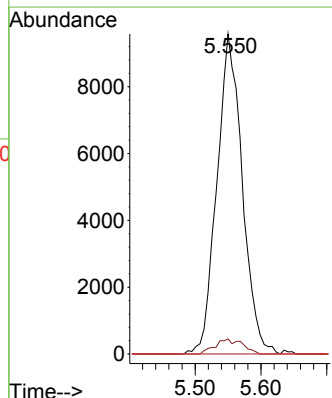
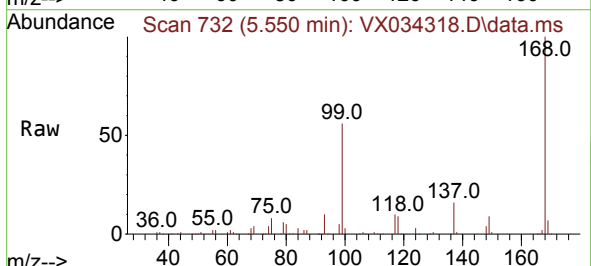
RT: 5.550 min Scan# 732

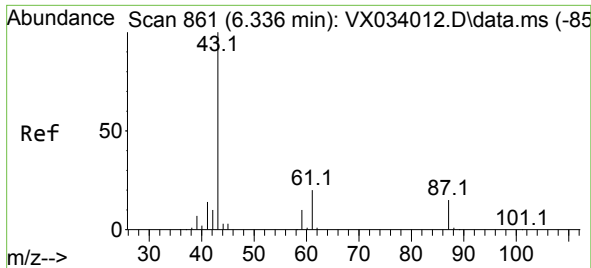
Delta R.T. -0.122 min

Lab File: VX034318.D

Acq: 03 Mar 2023 13:26

Tgt Ion:	117	Resp:	25701
Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.0	117.0#
121	0.0	24.4	36.6#

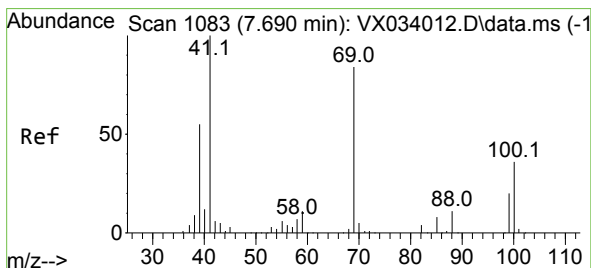
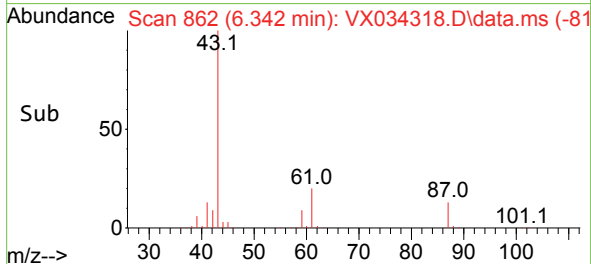
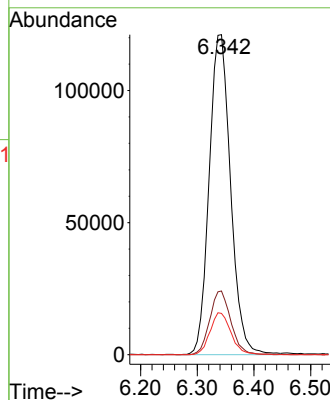
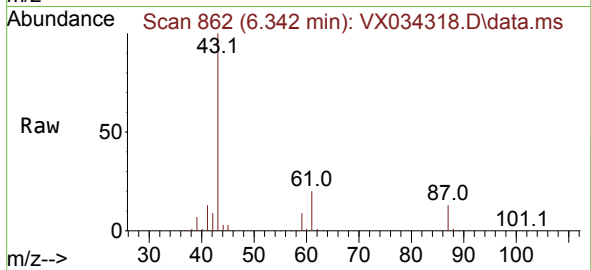




#43
Isopropyl Acetate
Concen: 36.717 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

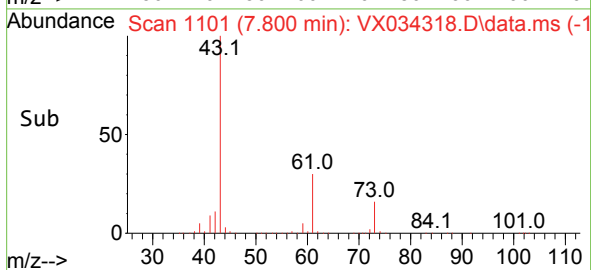
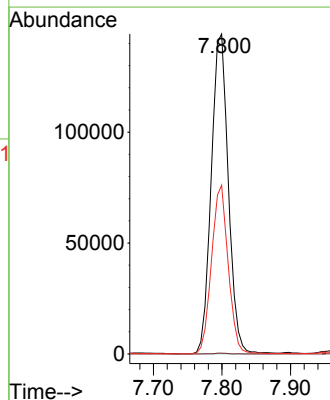
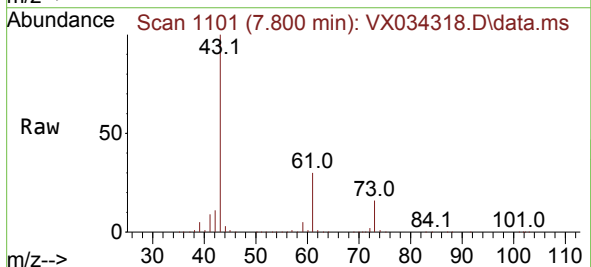
Instrument :
MSVOA_X
ClientSampleId :

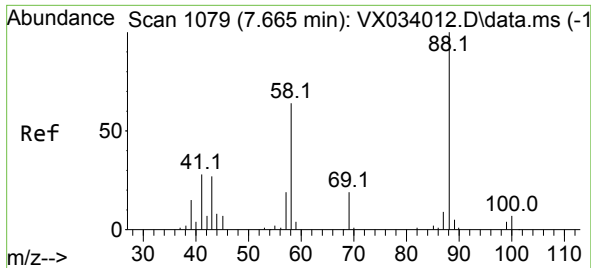
Tgt Ion: 43 Resp: 317987
Ion Ratio Lower Upper
43 100
61 19.6 15.7 23.5
87 12.8 10.6 15.8



#48
Methyl methacrylate
Concen: 60.781 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

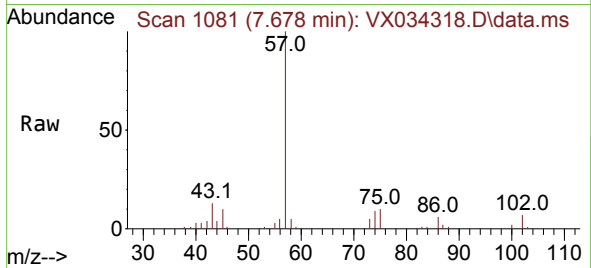
Tgt Ion: 41 Resp: 249845
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.4 43.2 64.8



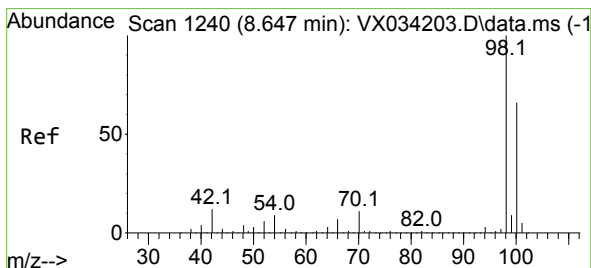
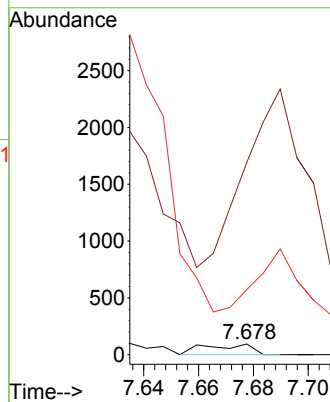
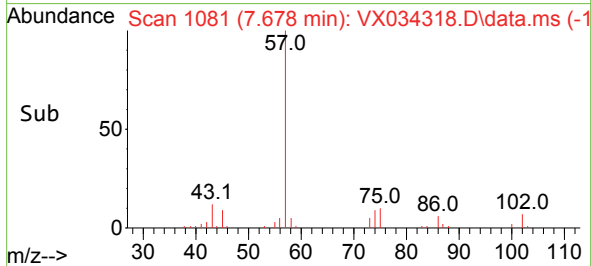


#49
1,4-Dioxane
Concen: 1.342 ug/l
RT: 7.678 min Scan# 1079
Delta R.T. 0.025 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Instrument :
MSVOA_X
ClientSampleId :

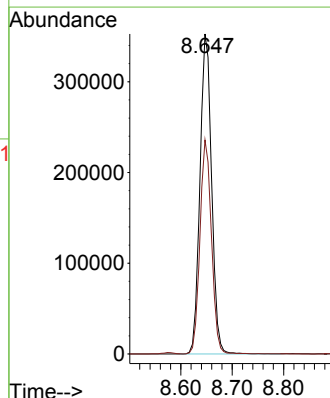
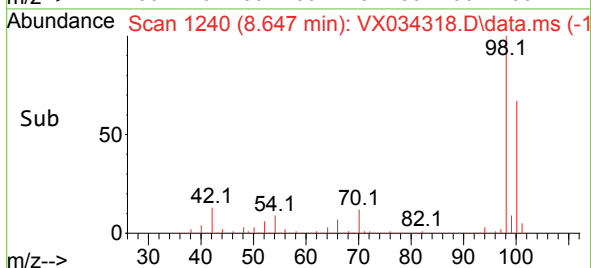
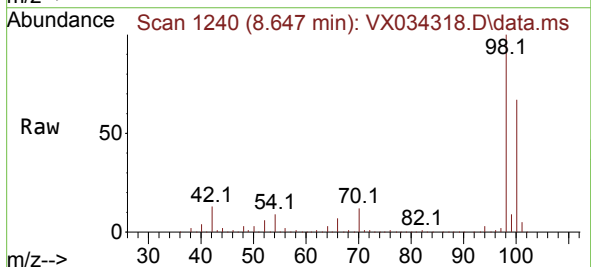


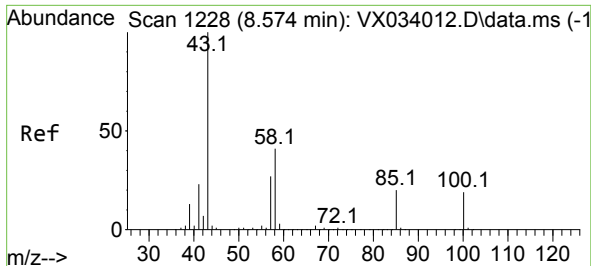
Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1338.2 56.5 84.7#



#50
Toluene-d8
Concen: 51.924 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion: 98 Resp: 553552
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4

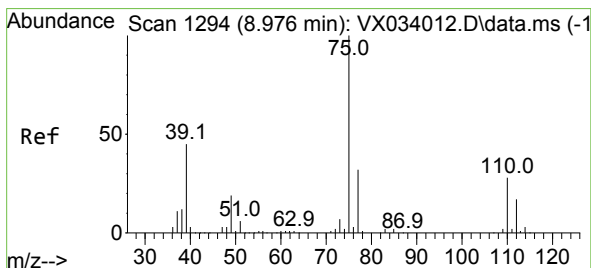
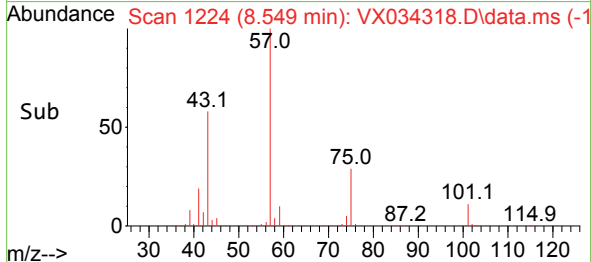
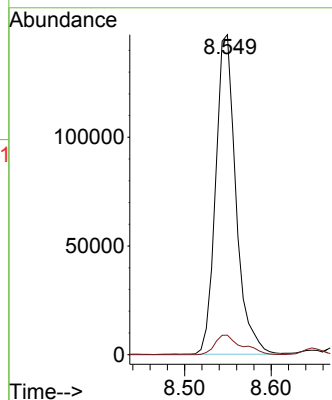
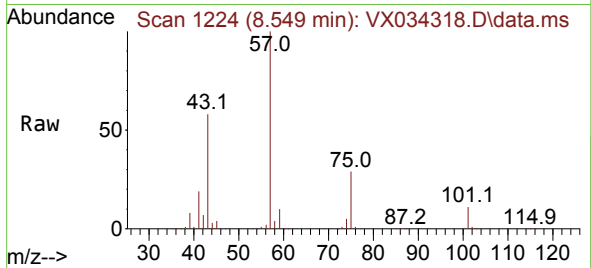




#51
4-Methyl-2-Pentanone
Concen: 50.213 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

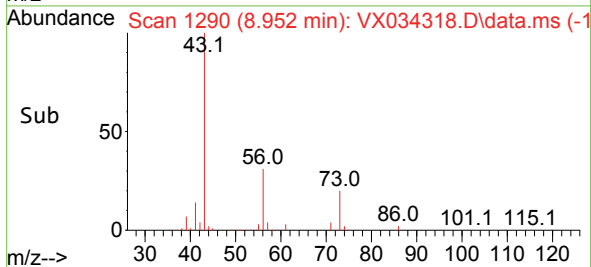
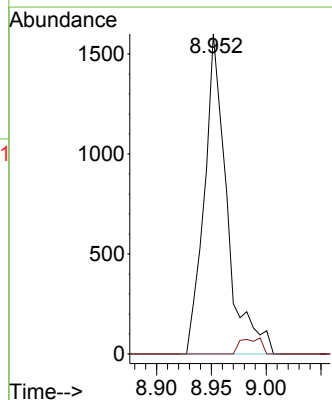
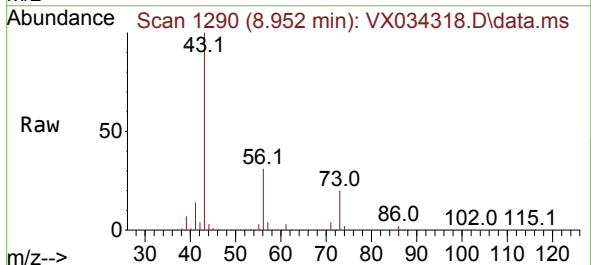
Instrument :
MSVOA_X
ClientSampleId :

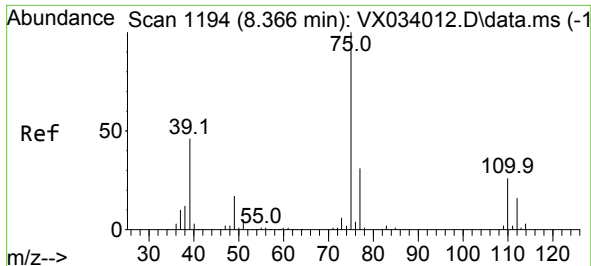
Tgt Ion: 43 Resp: 239255
Ion Ratio Lower Upper
43 100
58 8.1 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.427 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion: 75 Resp: 2300
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

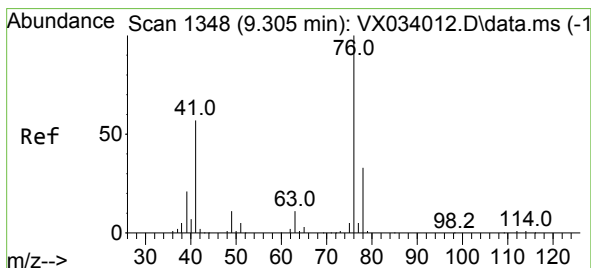
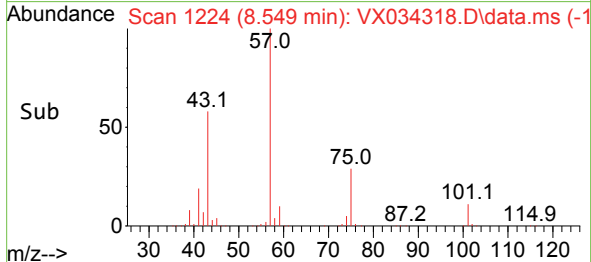
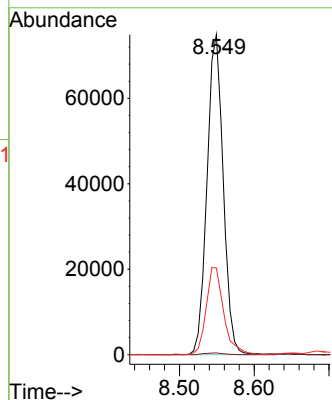
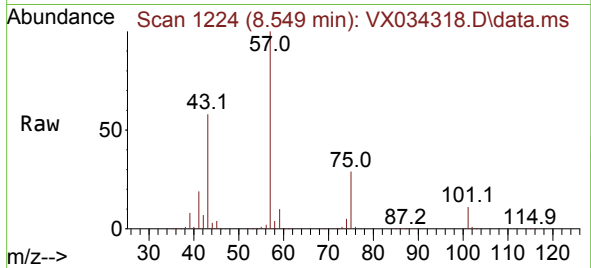




#54
 cis-1,3-Dichloropropene
 Concen: 19.540 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034318.D
 Acq: 03 Mar 2023 13:26

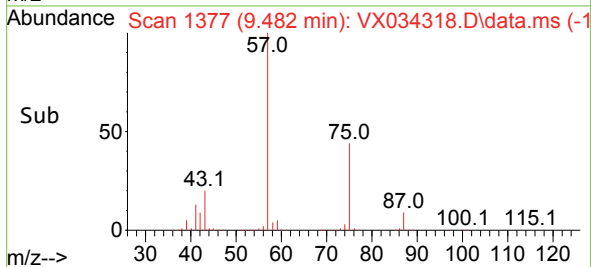
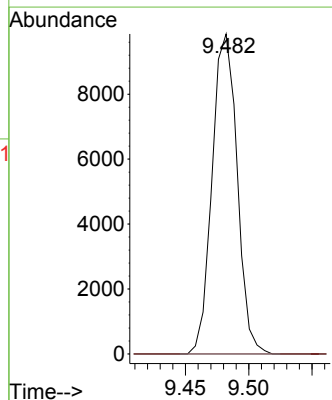
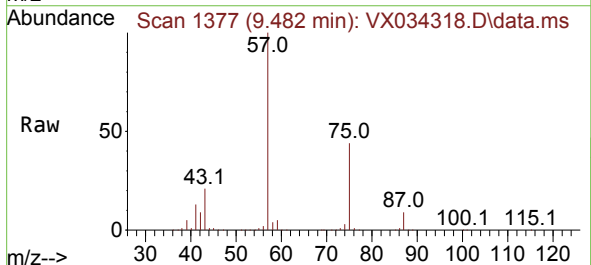
Instrument :
 MSVOA_X
 ClientSampleId :

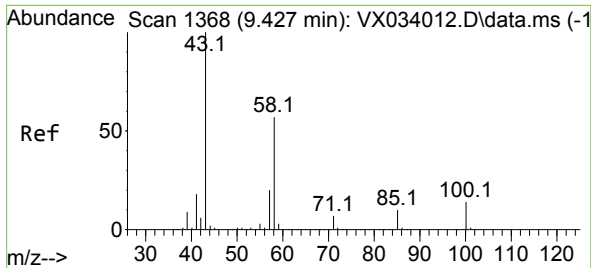
Tgt Ion: 75 Resp: 112662
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 27.0 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.450 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034318.D
 Acq: 03 Mar 2023 13:26

Tgt Ion: 76 Resp: 13566
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

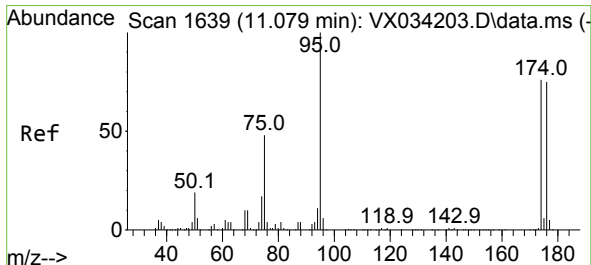
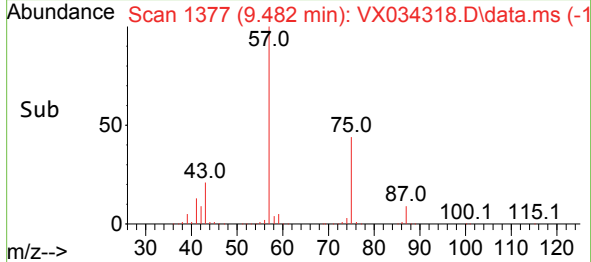
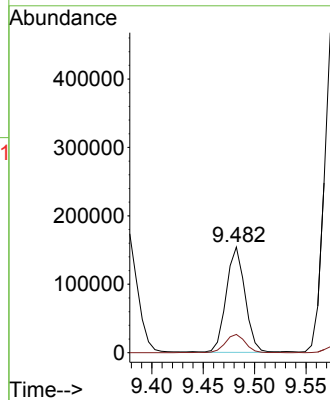
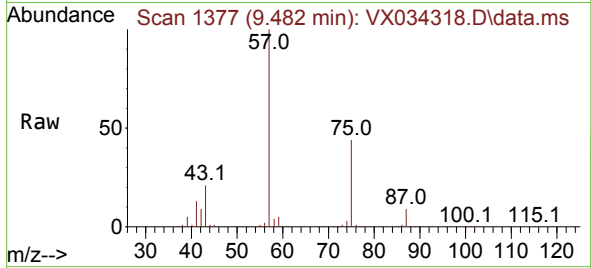




#59
2-Hexanone
Concen: 54.297 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

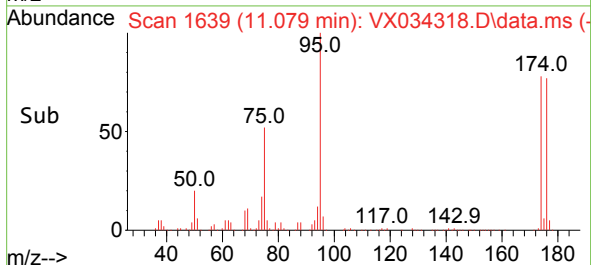
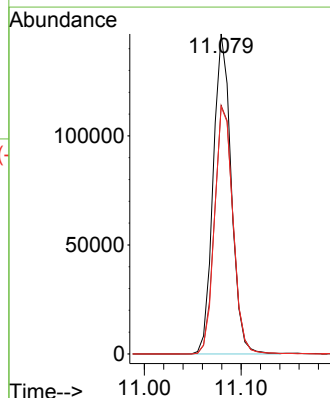
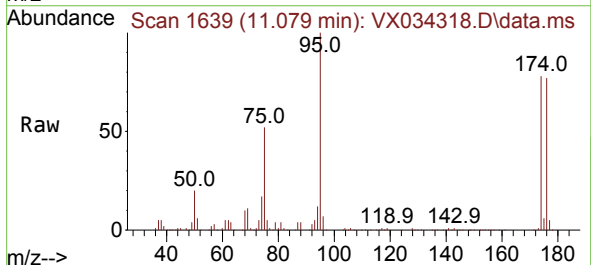
Instrument :
MSVOA_X
ClientSampleId :

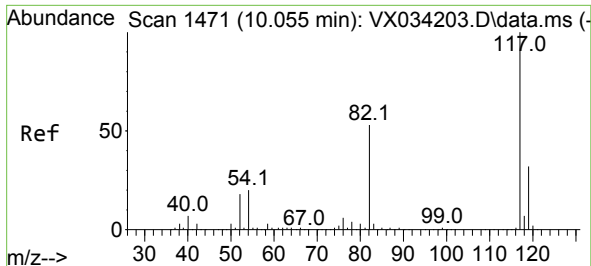
Tgt Ion: 43 Resp: 197169
Ion Ratio Lower Upper
43 100
58 18.7 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.621 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

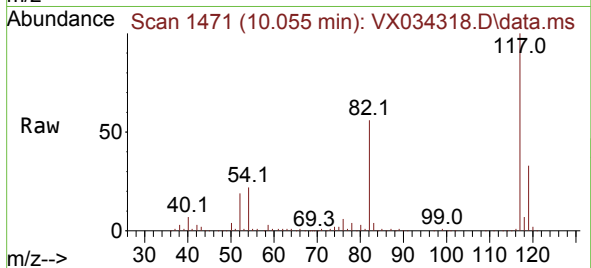
Tgt Ion: 95 Resp: 190114
Ion Ratio Lower Upper
95 100
174 79.3 0.0 184.4
176 79.0 0.0 178.8



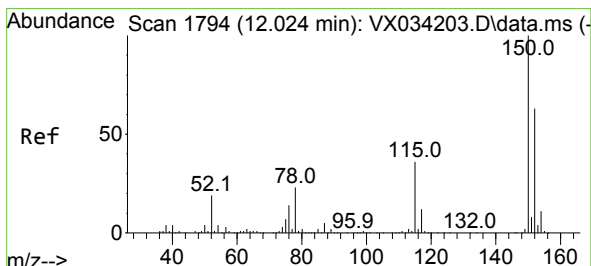
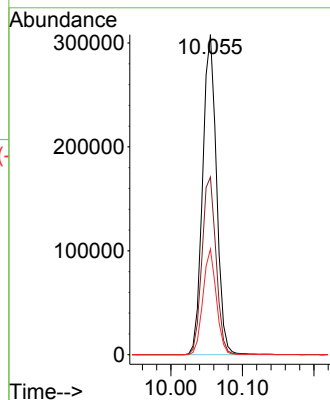
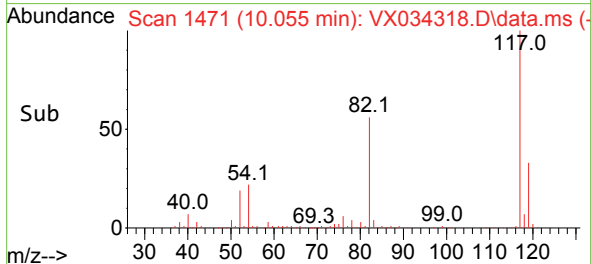


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Instrument :
MSVOA_X
ClientSampleId :

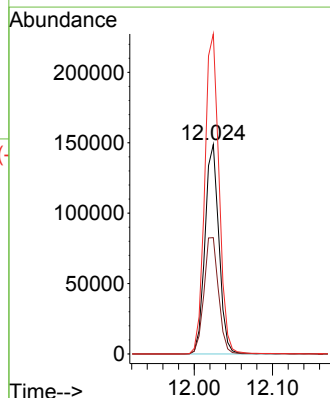
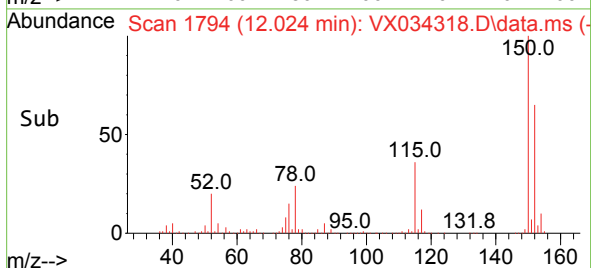
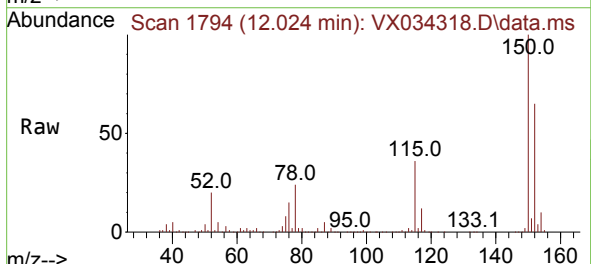


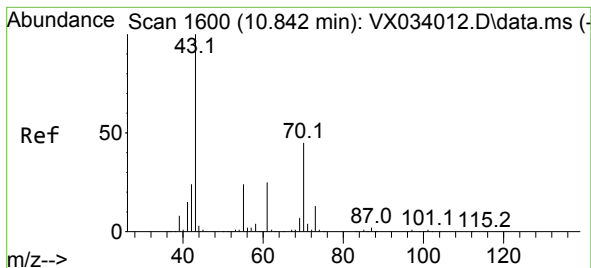
Tgt Ion:117 Resp: 415632
Ion Ratio Lower Upper
117 100
82 55.5 40.6 60.8
119 33.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion:152 Resp: 183731
Ion Ratio Lower Upper
152 100
115 58.1 38.7 116.1
150 156.7 0.0 348.2





#74

N-amy1 acetate

Concen: 11.833 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

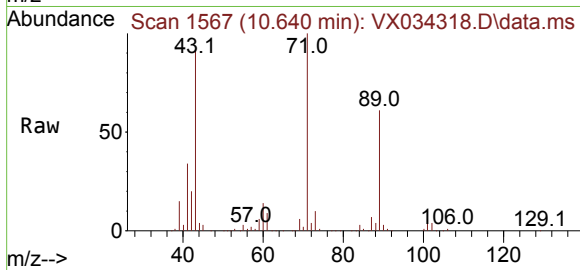
Lab File: VX034318.D

Acq: 03 Mar 2023 13:26

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 83245

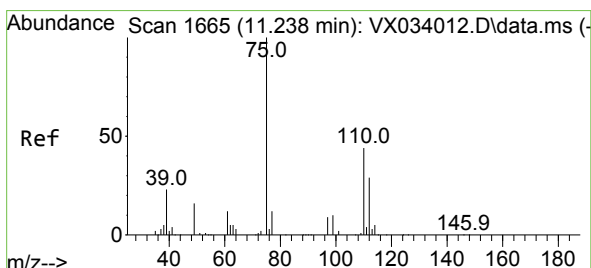
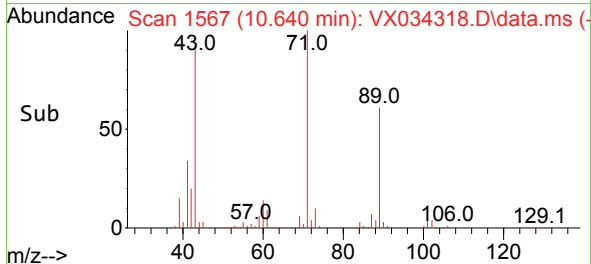
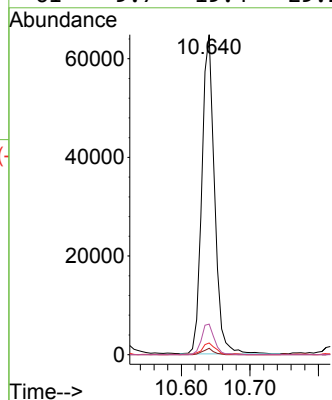
Ion Ratio Lower Upper

43 100

70 1.7 34.8 52.2#

55 3.9 19.4 29.0#

61 9.7 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 21.395 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034318.D

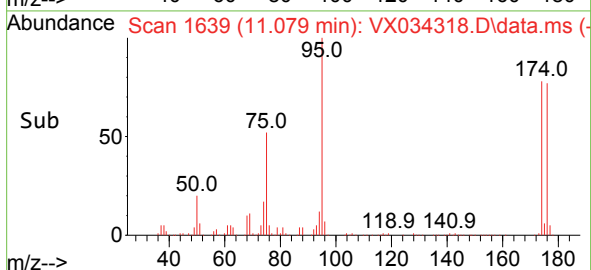
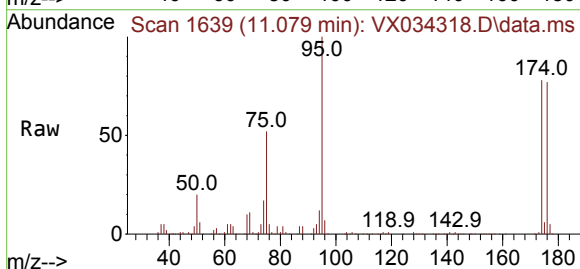
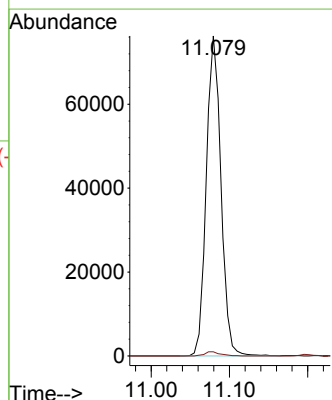
Acq: 03 Mar 2023 13:26

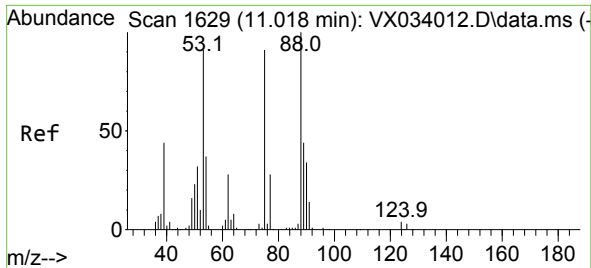
Tgt Ion: 75 Resp: 98913

Ion Ratio Lower Upper

75 100

77 1.4 21.8 65.4#

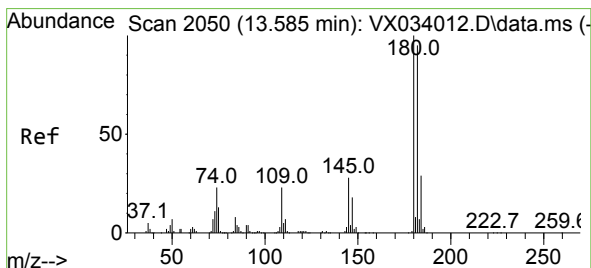
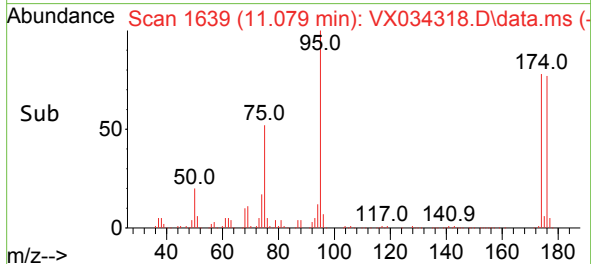
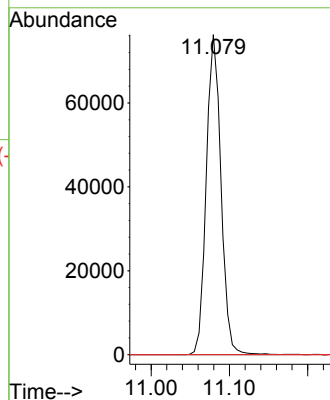
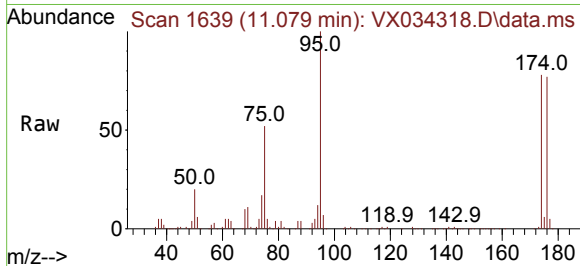




#81
trans-1,4-Dichloro-2-butene
Concen: 54.962 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 98913
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.207 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX034318.D
Acq: 03 Mar 2023 13:26

Tgt Ion: 180 Resp: 822
Ion Ratio Lower Upper
180 100
182 80.8 47.9 143.6
145 32.8 14.1 42.2

