

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030123\
 Data File : VX034290.D
 Acq On : 01 Mar 2023 14:07
 Operator : JC/MD
 Sample : 01740-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 02 00:42:56 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)

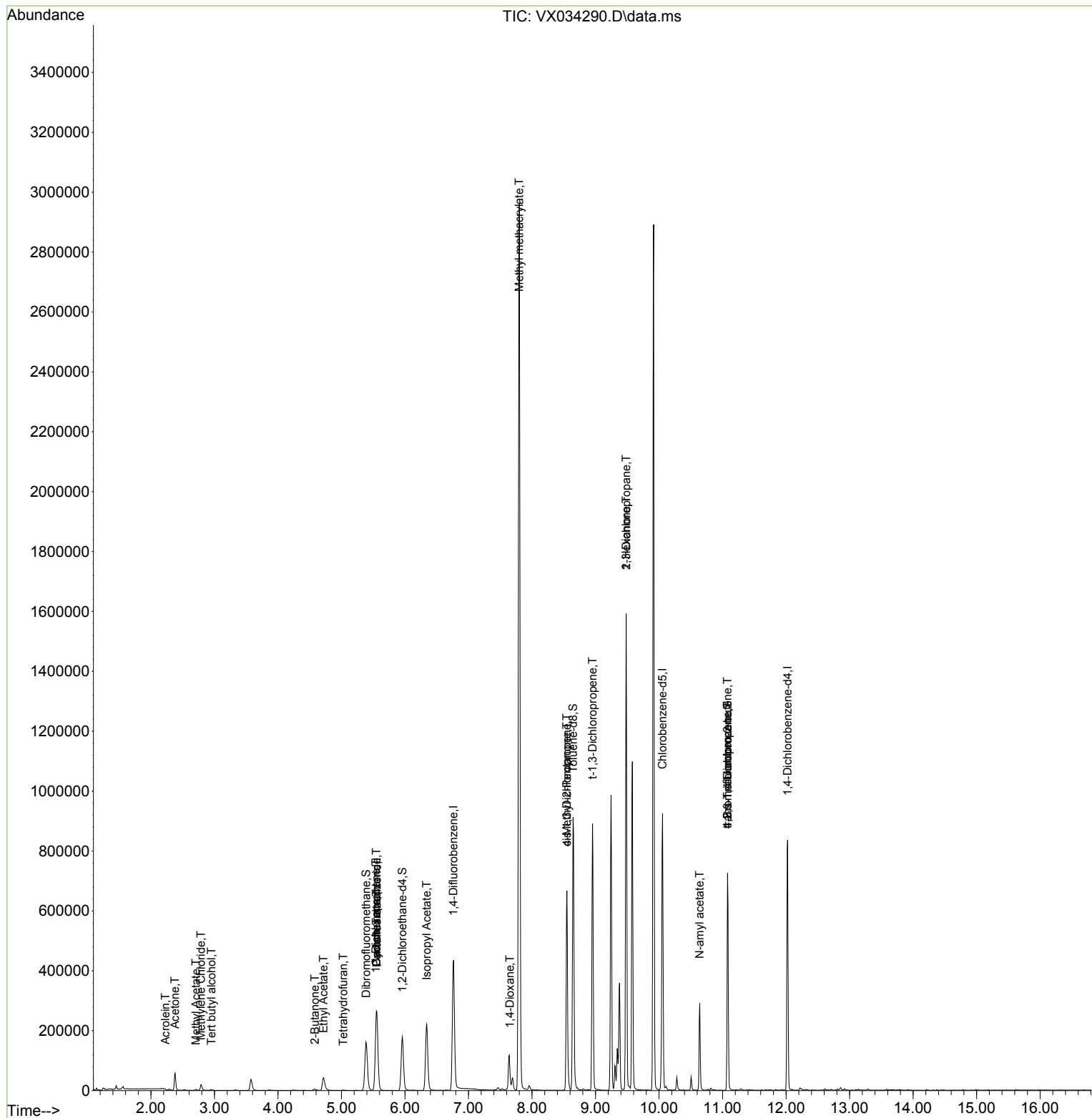
Internal Standards						
1) Pentafluorobenzene	5.556	168	269647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	447462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	405688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161910	44.585	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.160%
35) Dibromofluoromethane	5.385	113	139039	47.724	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.440%
50) Toluene-d8	8.647	98	535141	51.160	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.320%
62) 4-Bromofluorobenzene	11.079	95	188643	47.148	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	206	Below Cal		92
11) Tert butyl alcohol	2.953	59	2086	2.568	ug/l #	95
13) Acrolein	2.227	56	461	1.243	ug/l #	68
16) Acetone	2.380	43	59315	31.663	ug/l	92
18) Methyl Acetate	2.709	43	4071	0.702	ug/l	99
20) Methylene Chloride	2.788	84	9178	2.719	ug/l	94
25) 2-Butanone	4.580	43	6917	2.552	ug/l	91
29) Tetrahydrofuran	5.025	42	1422	0.860	ug/l #	76
31) Cyclohexane	5.550	56	5773	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	19721	4.577	ug/l #	49
37) Ethyl Acetate	4.714	43	76616	15.911	ug/l	99
38) Carbon Tetrachloride	5.550	117	25604	5.775	ug/l #	14
43) Isopropyl Acetate	6.342	43	311822	36.696	ug/l	99
48) Methyl methacrylate	7.799	41	242247	60.064	ug/l #	45
49) 1,4-Dioxane	7.653	88	52	0.646	ug/l #	14
51) 4-Methyl-2-Pentanone	8.549	43	229983	49.193	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	2022	0.383	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	108159	19.119	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	12792	2.354	ug/l #	43
59) 2-Hexanone	9.482	43	185042	51.935	ug/l #	50
74) N-amyl acetate	10.640	43	76468	11.037	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	94026	20.651	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	94026	53.051	ug/l #	8

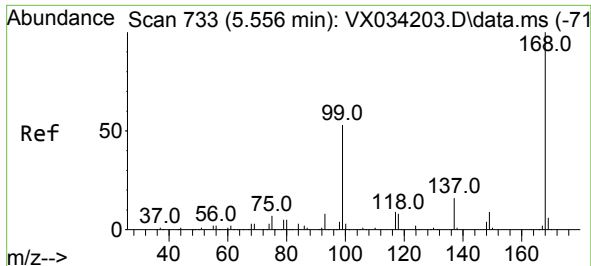
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 02 00:42:56 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

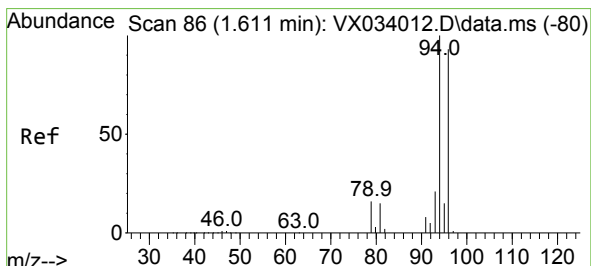
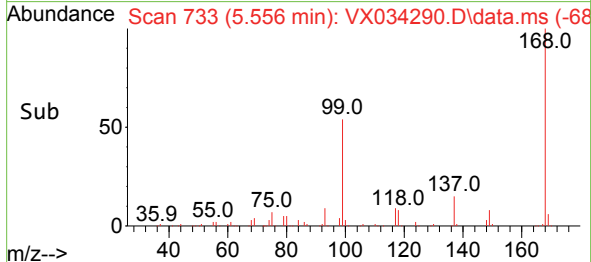
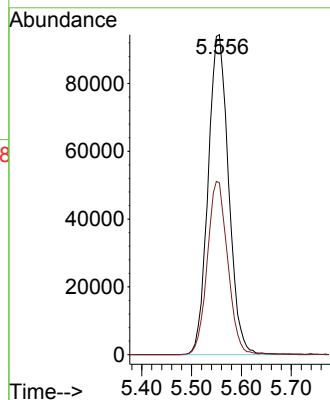
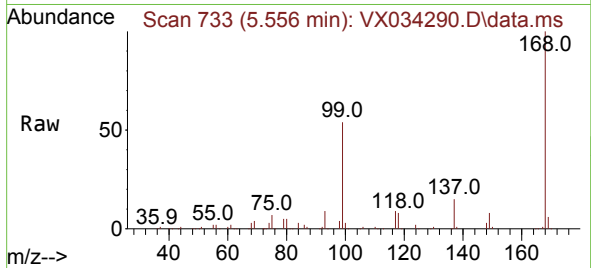




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

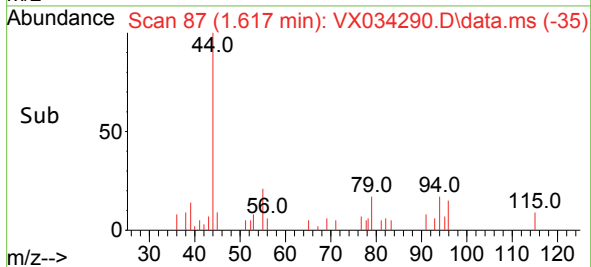
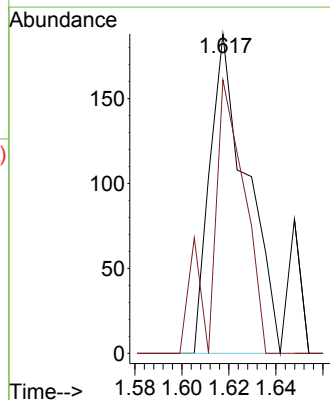
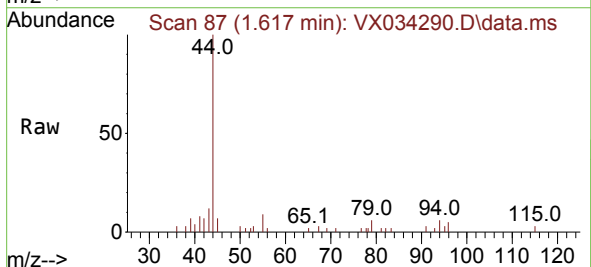
Instrument :
MSVOA_X
ClientSampleId :

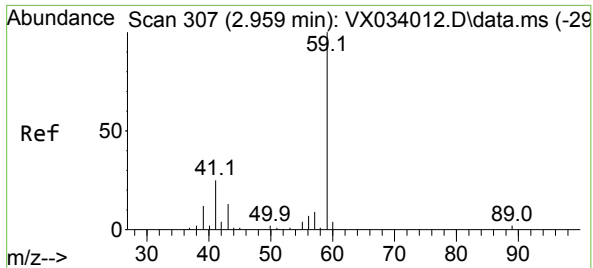
Tgt Ion:168 Resp: 269647
Ion Ratio Lower Upper
168 100
99 53.7 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Tgt Ion: 94 Resp: 206
Ion Ratio Lower Upper
94 100
96 85.6 74.3 111.5

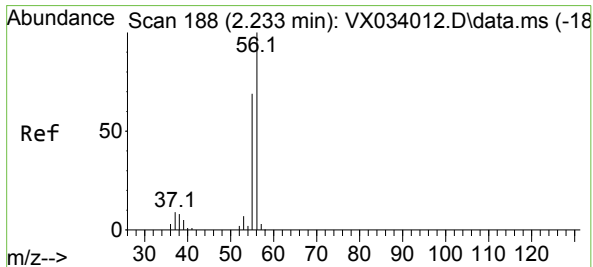
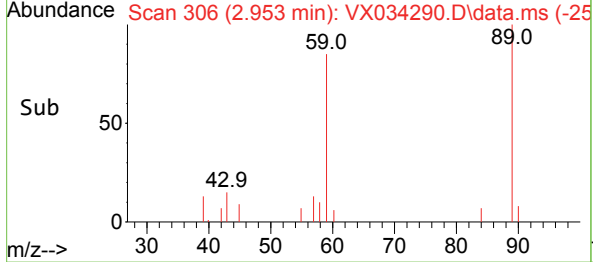
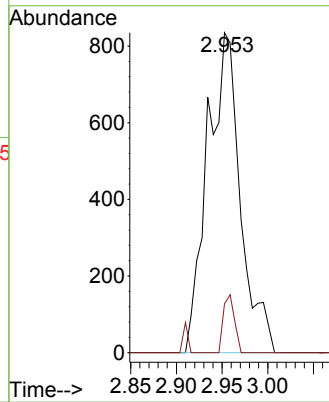
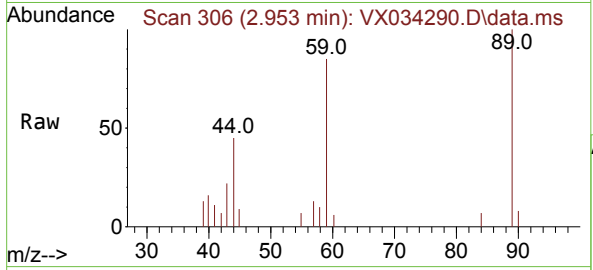




#11
Tert butyl alcohol
Concen: 2.568 ug/l
RT: 2.953 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

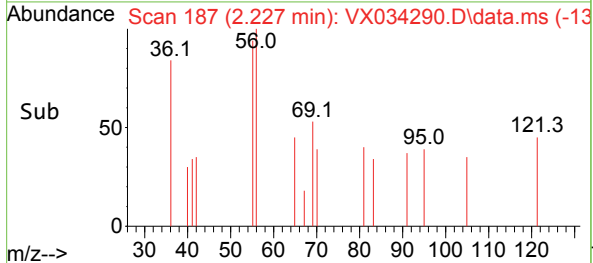
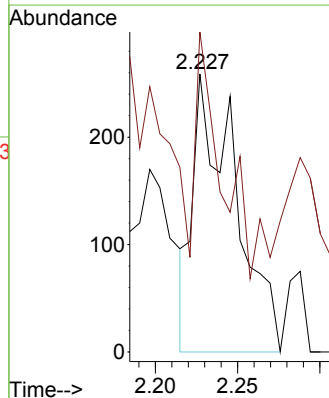
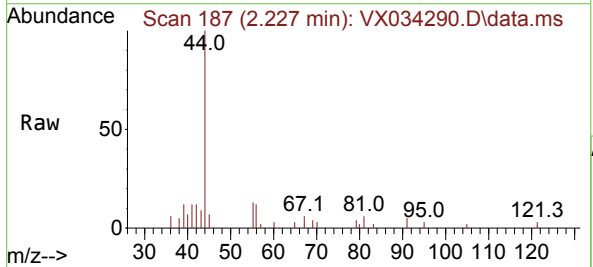
Instrument :
MSVOA_X
ClientSampleId :

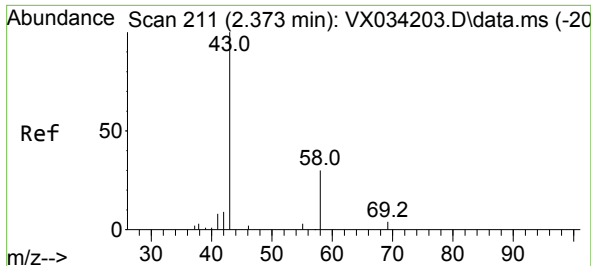
Tgt Ion: 59 Resp: 2086
Ion Ratio Lower Upper
59 100
57 6.1 3.7 5.5#



#13
Acrolein
Concen: 1.243 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Tgt Ion: 56 Resp: 461
Ion Ratio Lower Upper
56 100
55 44.5 56.3 84.5#

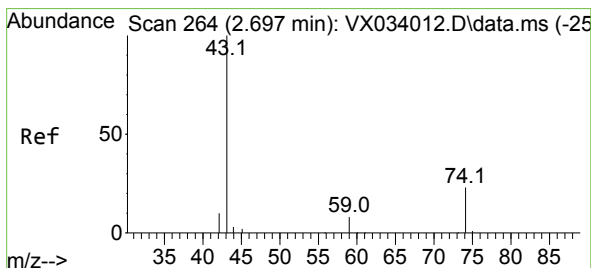
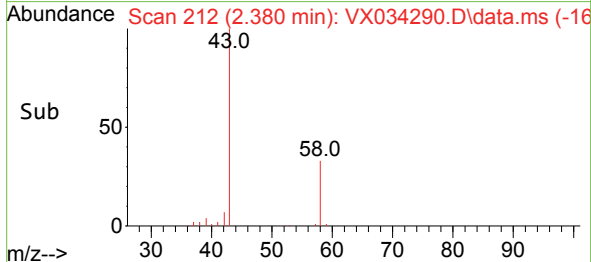
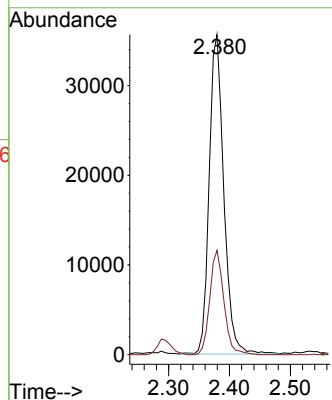
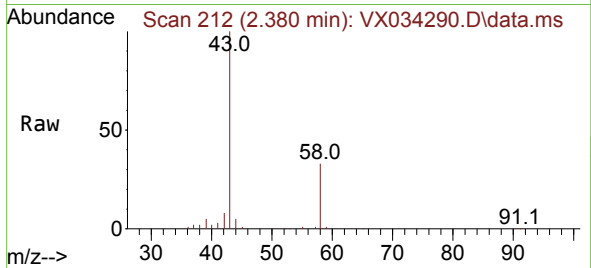




#16
Acetone
Concen: 31.663 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

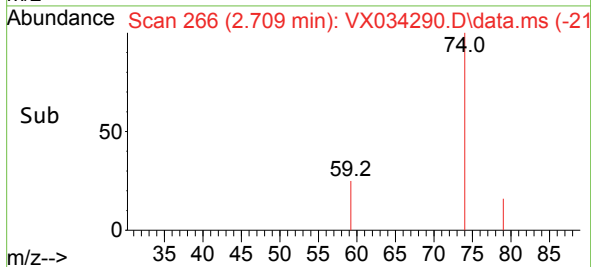
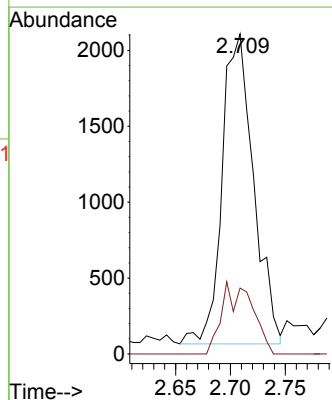
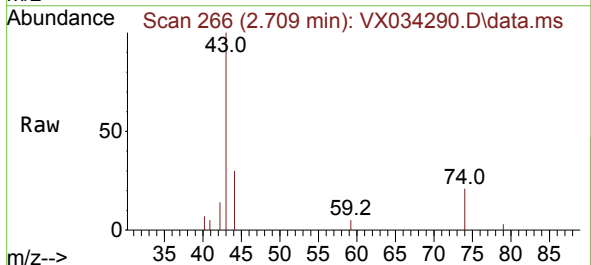
Instrument :
MSVOA_X
ClientSampleId :

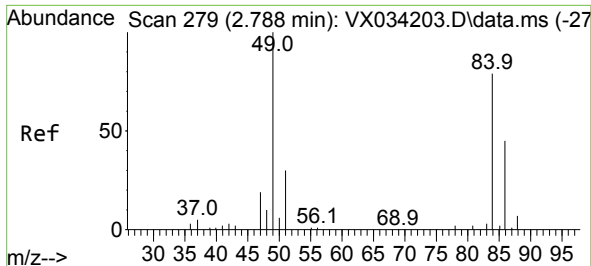
Tgt Ion: 43 Resp: 59315
Ion Ratio Lower Upper
43 100
58 32.7 22.6 33.8



#18
Methyl Acetate
Concen: 0.702 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

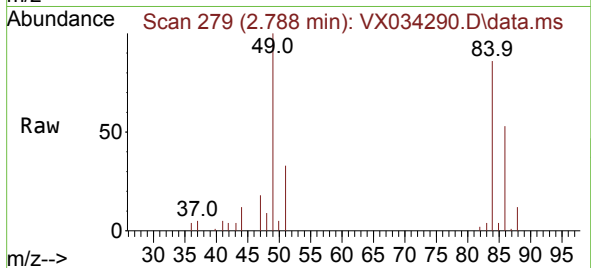
Tgt Ion: 43 Resp: 4071
Ion Ratio Lower Upper
43 100
74 22.4 18.2 27.4



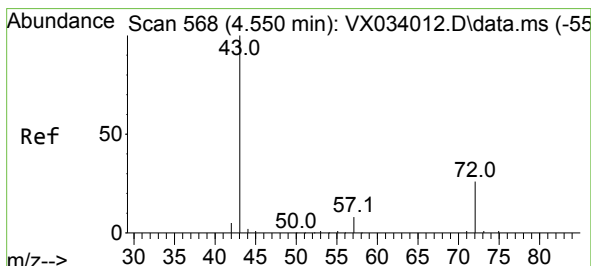
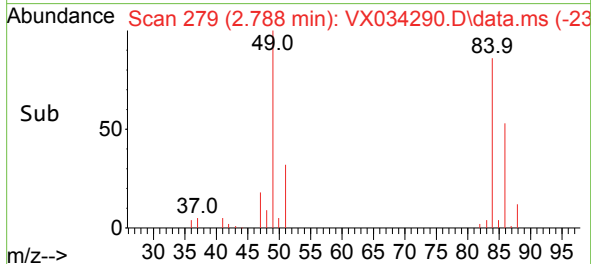
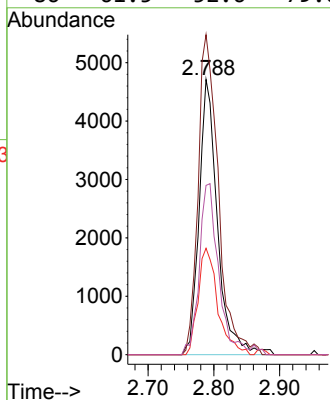


#20
Methylene Chloride
Concen: 2.719 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

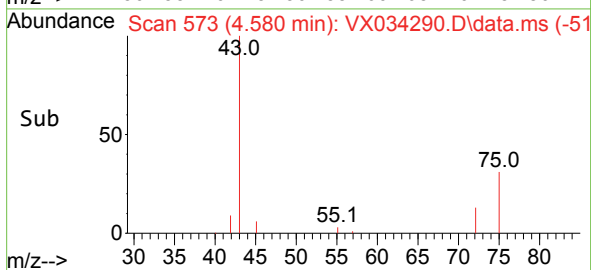
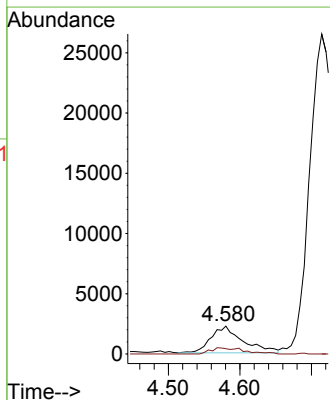
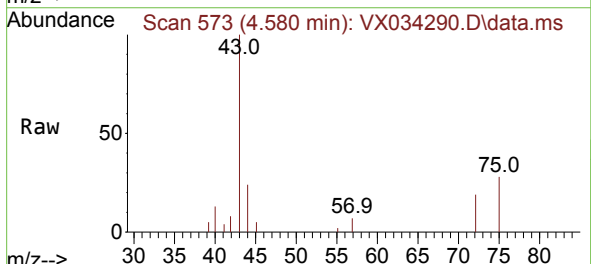


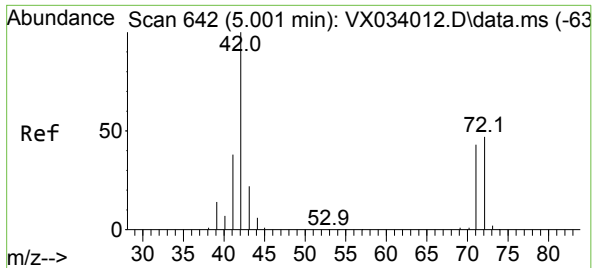
Tgt Ion: 84	Resp: 9178
Ion Ratio	Lower Upper
84 100	
49 116.3	101.1 151.7
51 38.7	31.0 46.6
86 61.5	52.6 79.0



#25
2-Butanone
Concen: 2.552 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.037 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Tgt Ion: 43	Resp: 6917		
Ion Ratio	Lower	Upper	
43 100			
72 19.6	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.860 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX034290.D

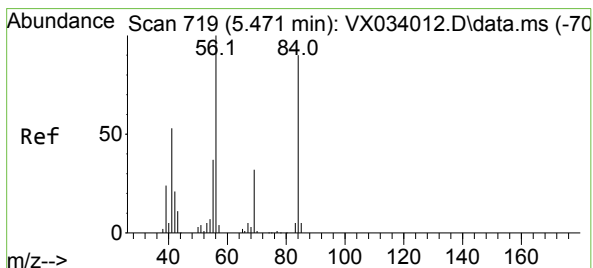
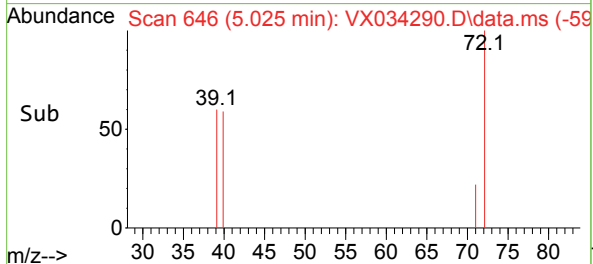
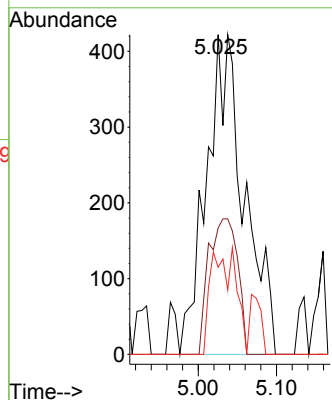
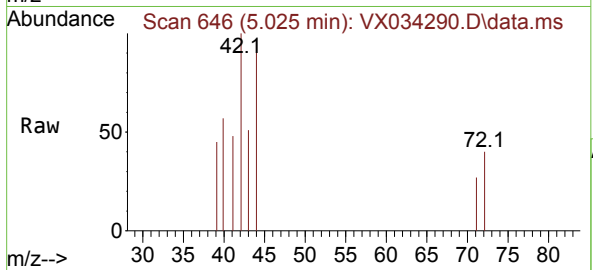
Acq: 01 Mar 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 1422
Ion Ratio	Lower Upper
42	100
72	32.3 34.8 52.2#
71	21.4 32.2 48.2#



#31

Cyclohexane

Concen: 1.065 ug/l

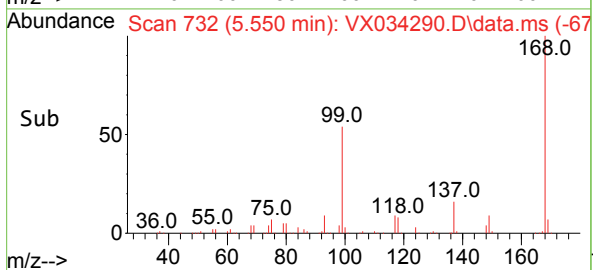
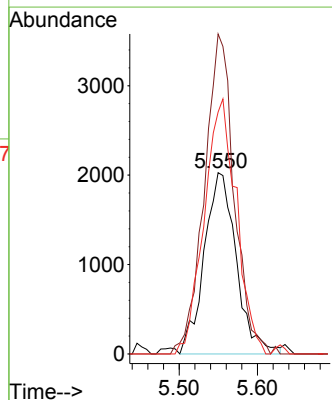
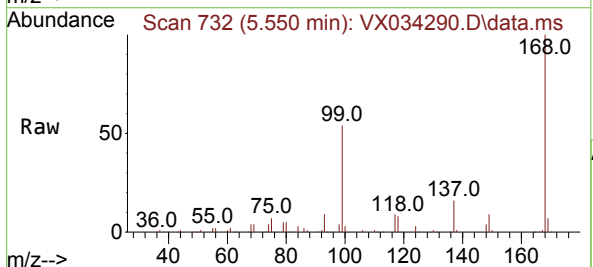
RT: 5.550 min Scan# 732

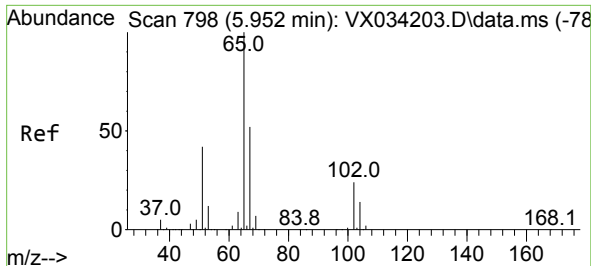
Delta R.T. 0.079 min

Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

Tgt Ion: 56	Resp: 5773
Ion Ratio	Lower Upper
56	100
69	176.6 24.6 37.0#
84	128.4 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.585 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

Instrument :

MSVOA_X

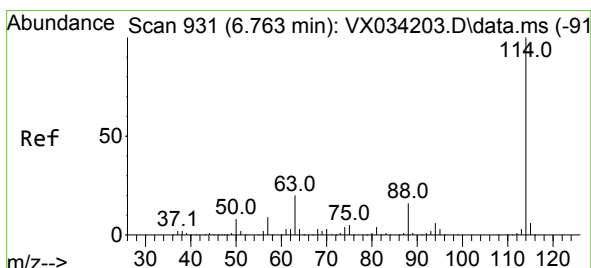
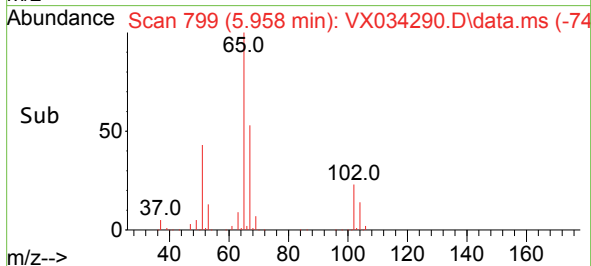
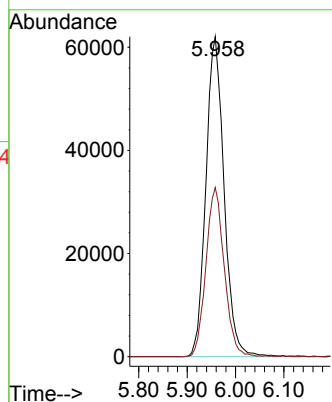
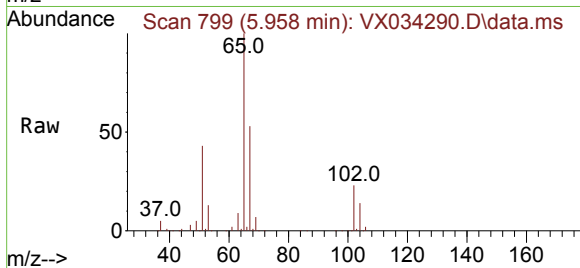
ClientSampleId :

Tgt Ion: 65 Resp: 161910

Ion Ratio Lower Upper

65 100

67 53.2 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: VX034290.D

Acq: 01 Mar 2023 14:07

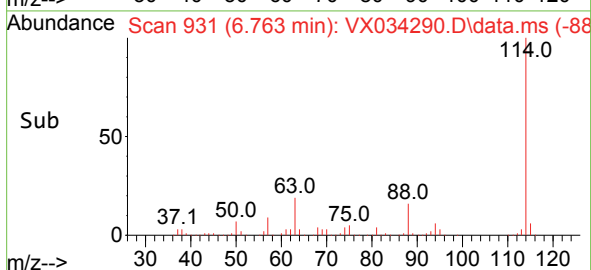
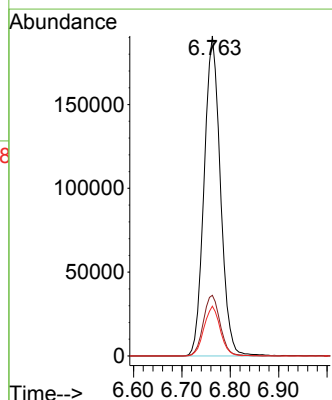
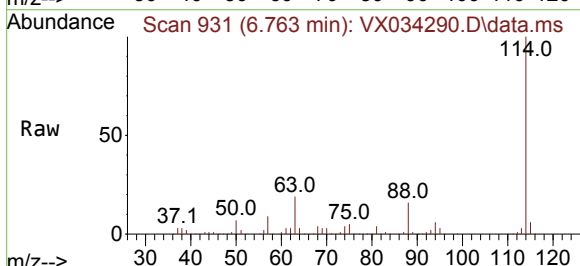
Tgt Ion: 114 Resp: 447462

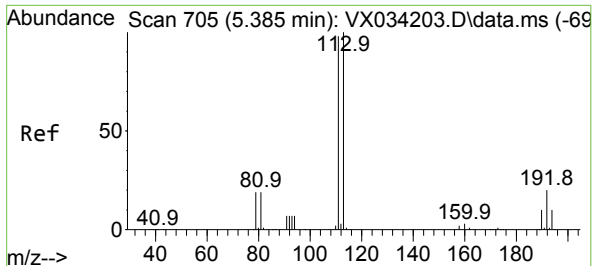
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

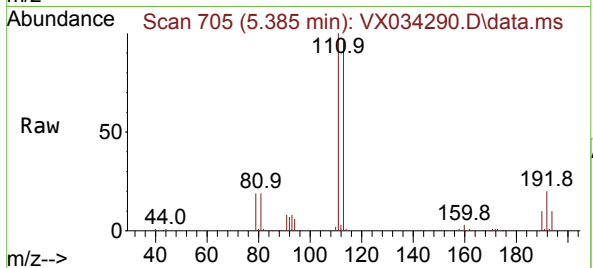
88 15.5 0.0 30.6



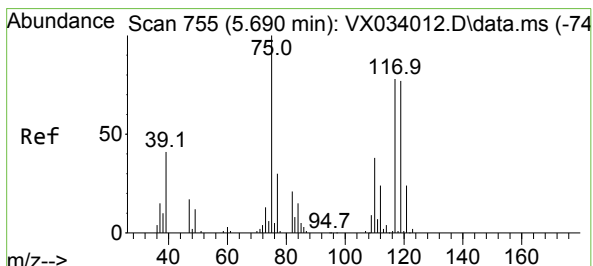
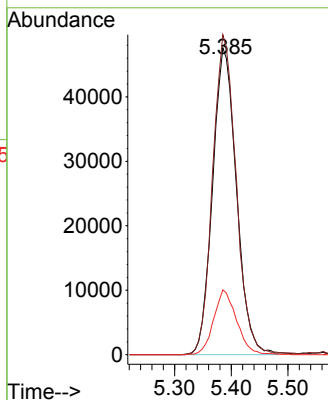
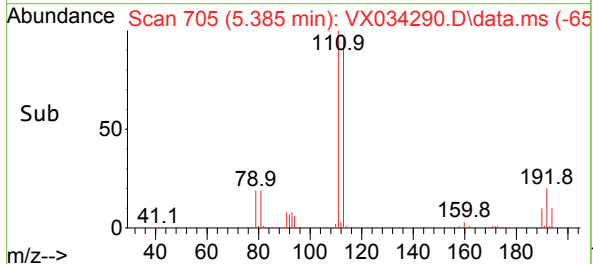


#35
Dibromofluoromethane
Concen: 47.724 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

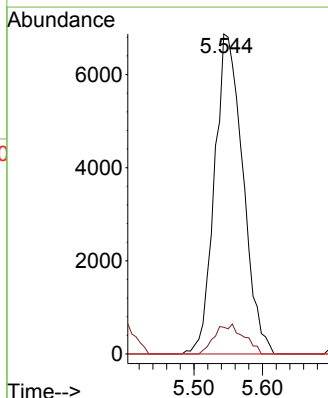
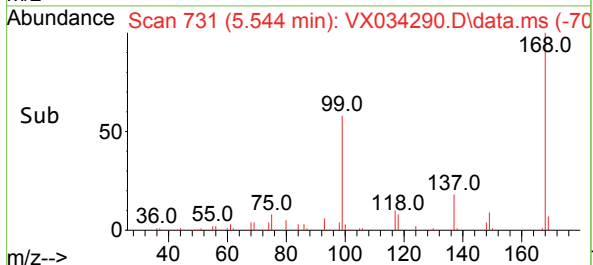
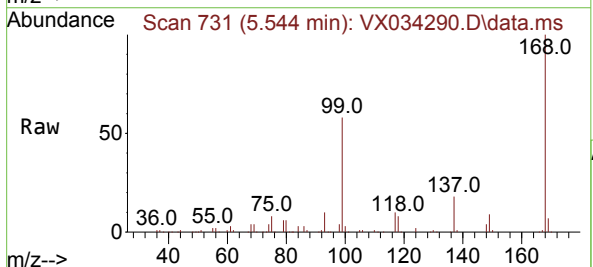


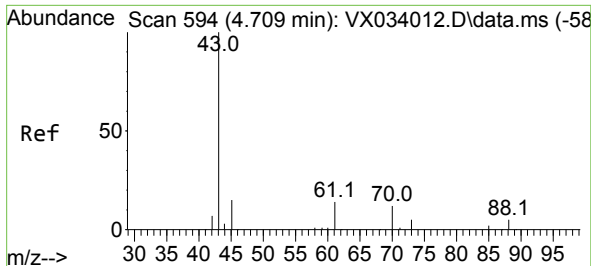
Tgt Ion:113 Resp: 139039
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 20.3 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.577 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Tgt Ion: 75 Resp: 19721
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 15.911 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

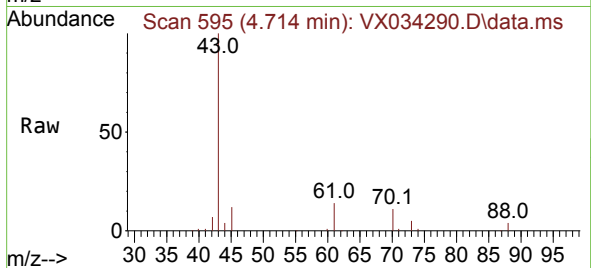
Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

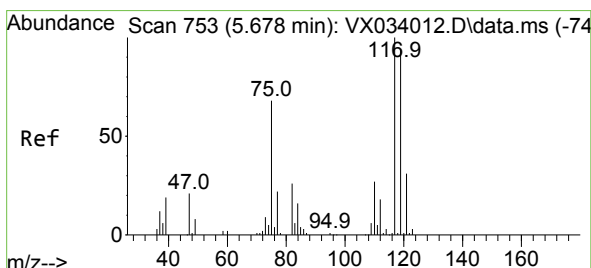
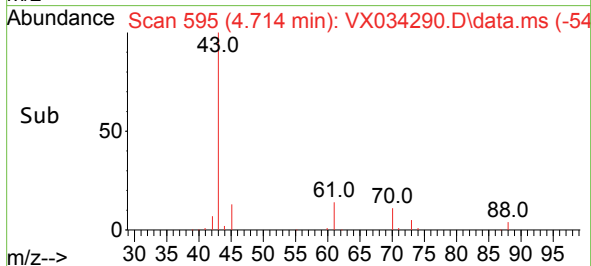
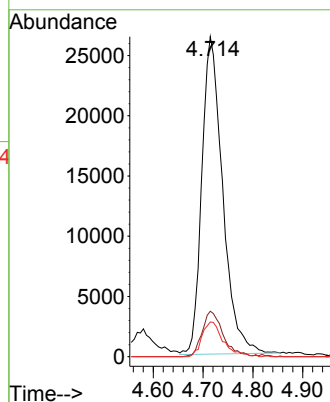
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	76616
Ion Ratio	Lower	Upper	
43	100		
61	14.3	11.1	16.7
70	11.2	8.5	12.7



#38

Carbon Tetrachloride

Concen: 5.775 ug/l

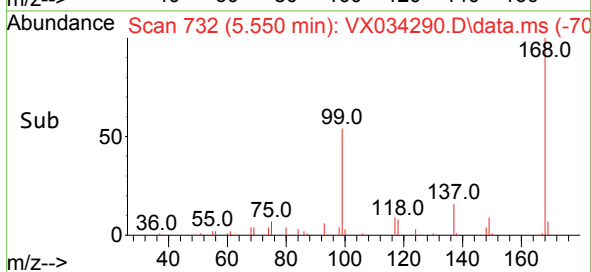
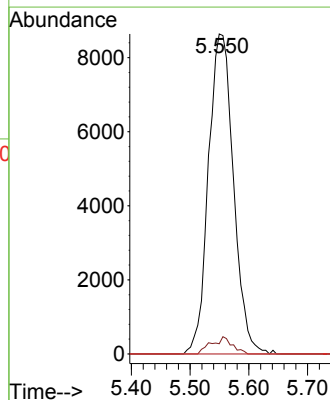
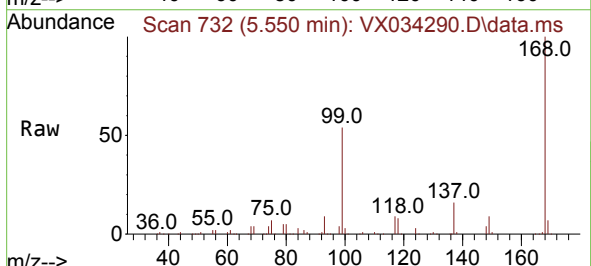
RT: 5.550 min Scan# 732

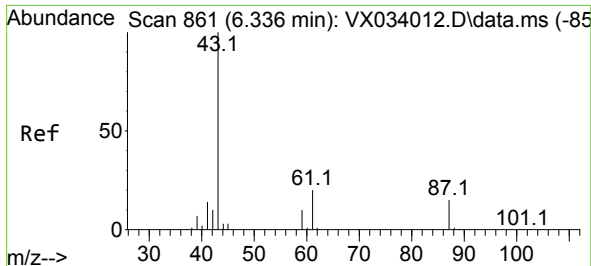
Delta R.T. -0.122 min

Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

Tgt Ion:	117	Resp:	25604
Ion Ratio	Lower	Upper	
117	100		
119	3.2	78.0	117.0#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 36.696 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

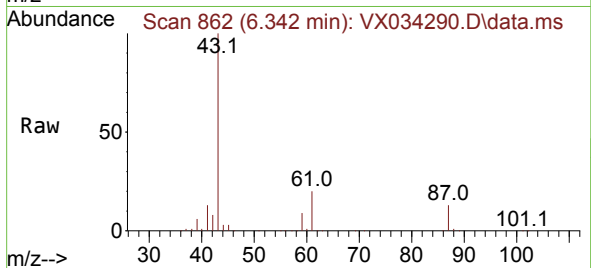
Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :



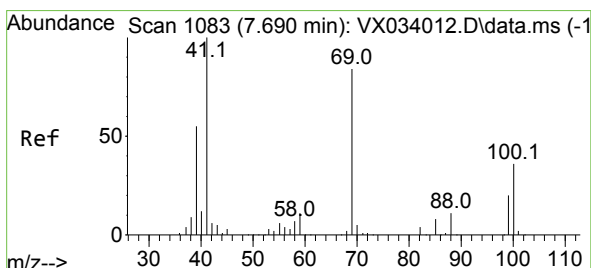
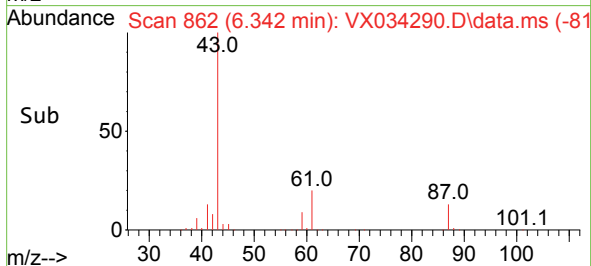
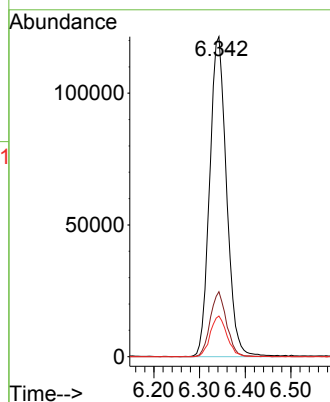
Tgt Ion: 43 Resp: 311822

Ion Ratio Lower Upper

43 100

61 19.6 15.7 23.5

87 12.5 10.6 15.8



#48

Methyl methacrylate

Concen: 60.064 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

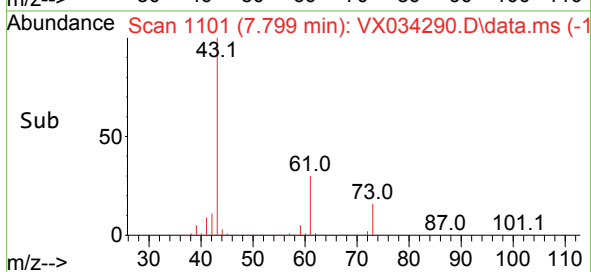
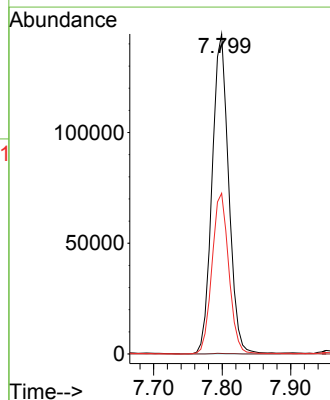
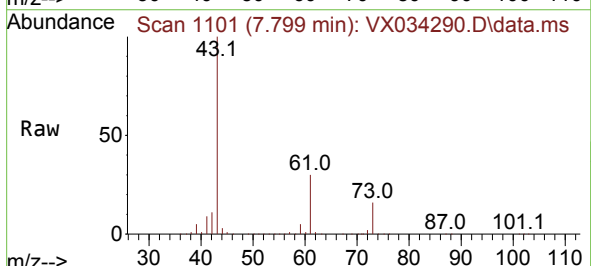
Tgt Ion: 41 Resp: 242247

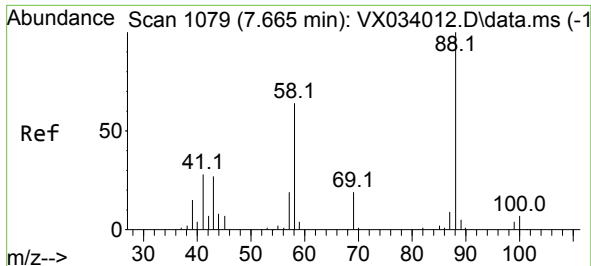
Ion Ratio Lower Upper

41 100

69 0.2 63.1 94.7#

39 51.1 43.2 64.8





#49

1,4-Dioxane

Concen: 0.646 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

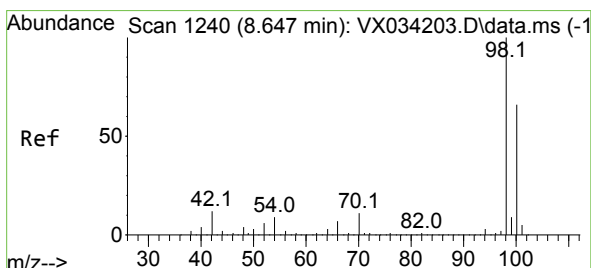
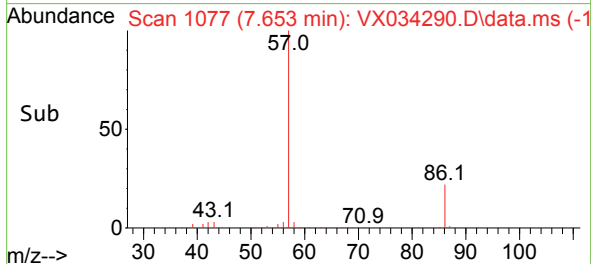
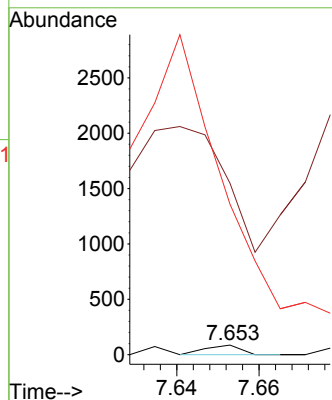
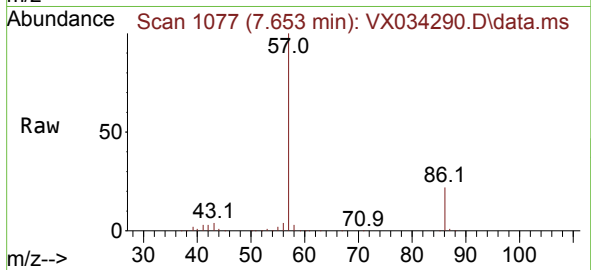
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 52

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	56.5	84.7#



#50

Toluene-d8

Concen: 51.160 ug/l

RT: 8.647 min Scan# 1240

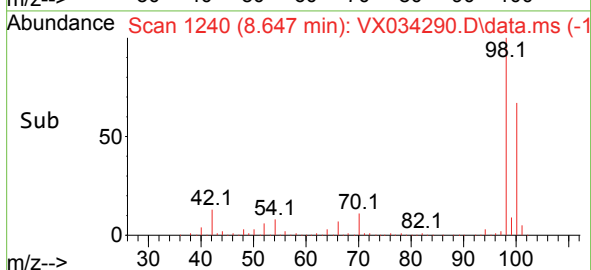
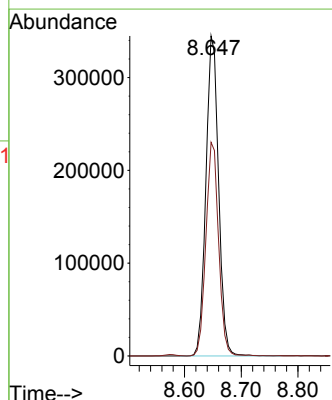
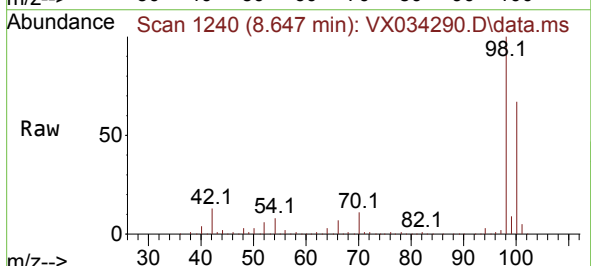
Delta R.T. 0.000 min

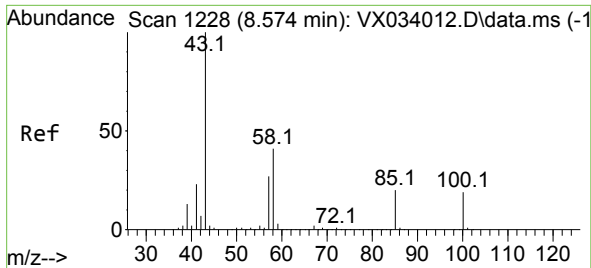
Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

Tgt Ion: 98 Resp: 535141

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.6	80.4

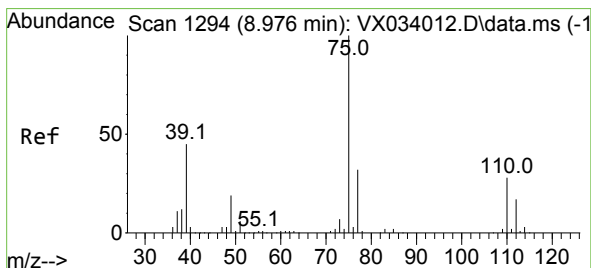
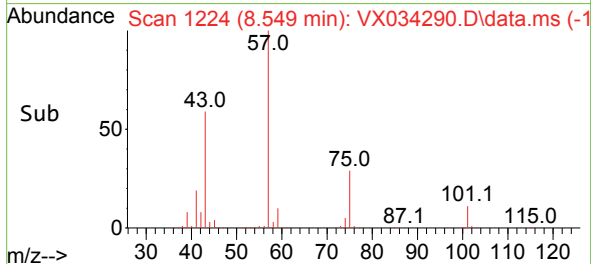
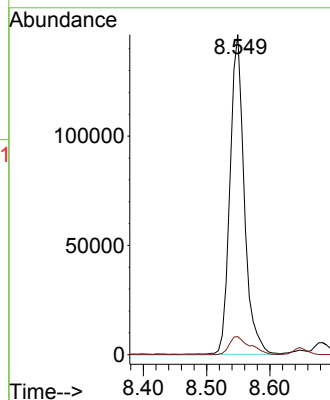
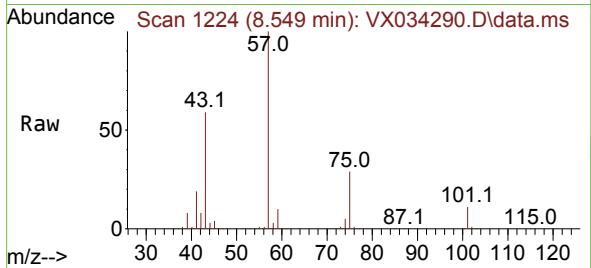




#51
4-Methyl-2-Pentanone
Concen: 49.193 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

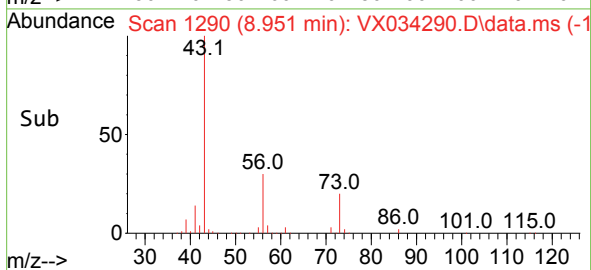
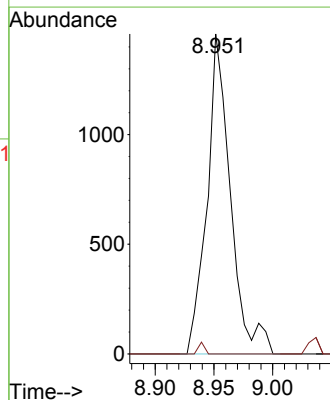
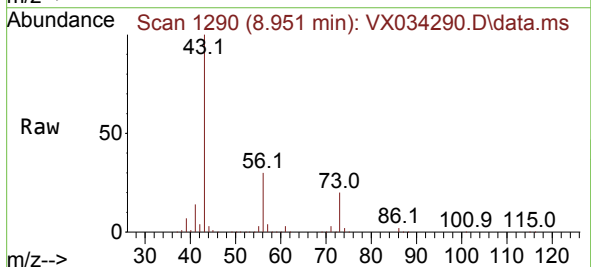
Instrument :
MSVOA_X
ClientSampleId :

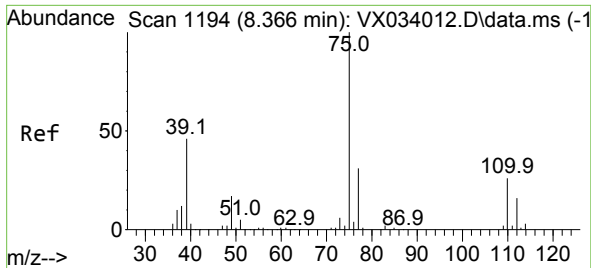
Tgt Ion: 43 Resp: 229983
Ion Ratio Lower Upper
43 100
58 8.2 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.383 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Tgt Ion: 75 Resp: 2022
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

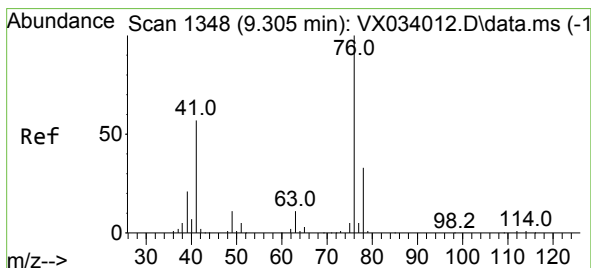
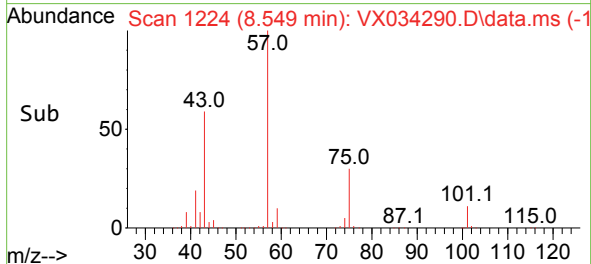
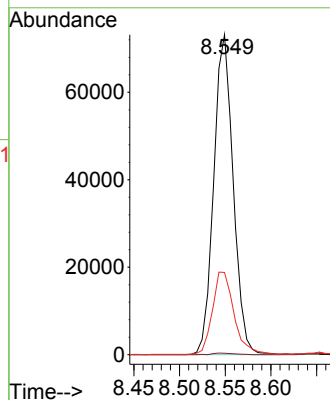
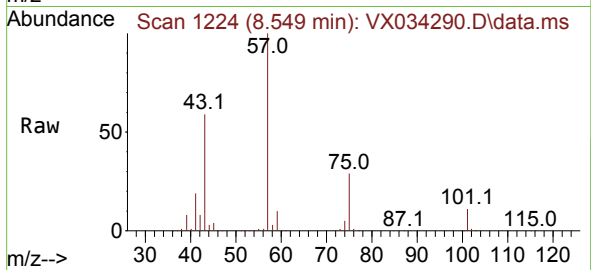




#54
 cis-1,3-Dichloropropene
 Concen: 19.119 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034290.D
 Acq: 01 Mar 2023 14:07

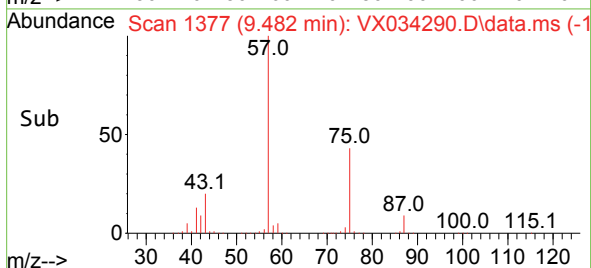
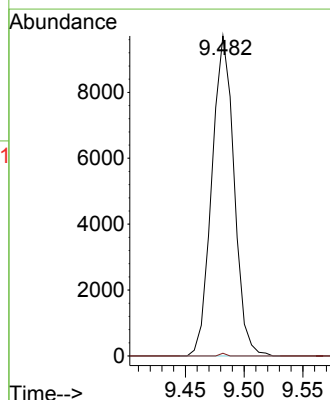
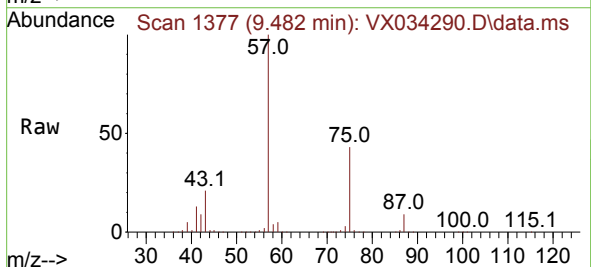
Instrument :
 MSVOA_X
 ClientSampleId :

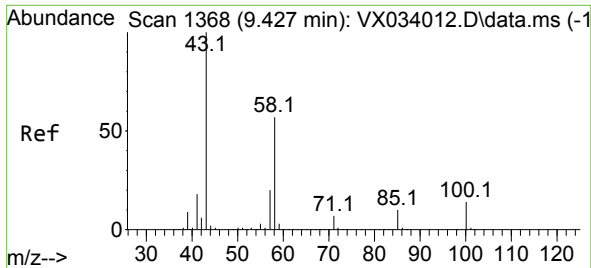
Tgt Ion: 75 Resp: 108159
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 25.6 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.354 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034290.D
 Acq: 01 Mar 2023 14:07

Tgt Ion: 76 Resp: 12792
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.6 38.4#

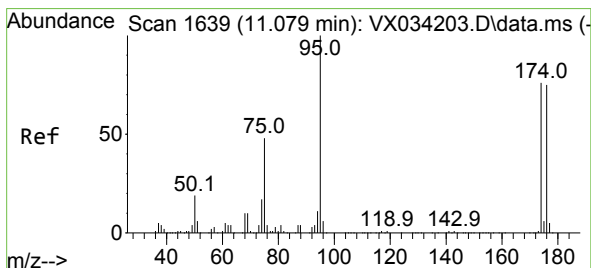
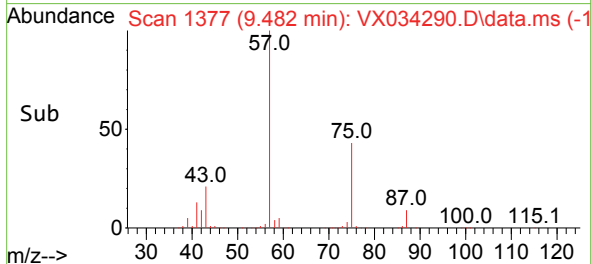
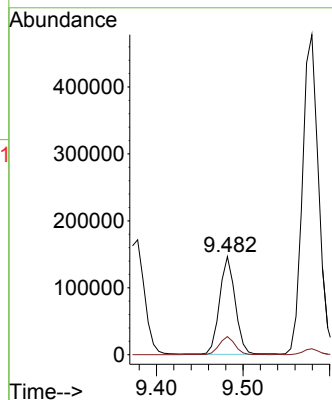
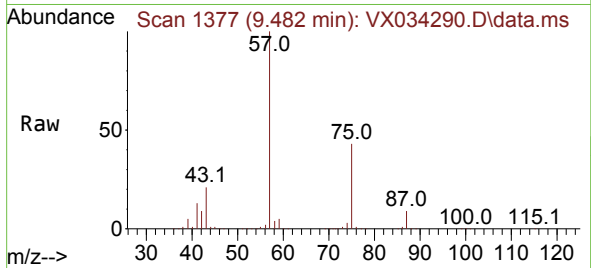




#59
2-Hexanone
Concen: 51.935 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

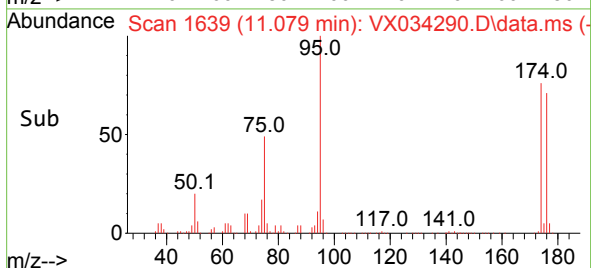
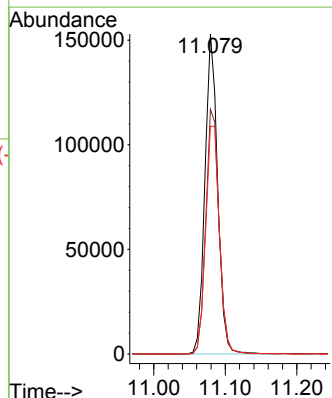
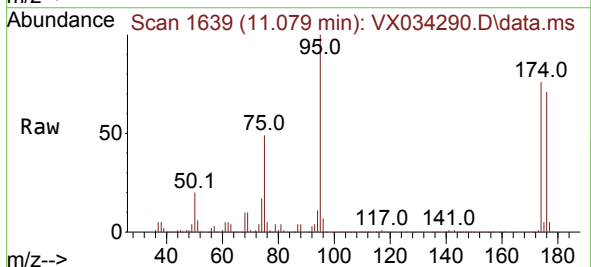
Instrument :
MSVOA_X
ClientSampleId :

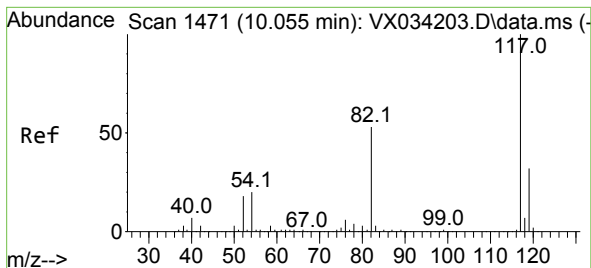
Tgt Ion: 43 Resp: 185042
Ion Ratio Lower Upper
43 100
58 18.8 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 47.148 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Tgt Ion: 95 Resp: 188643
Ion Ratio Lower Upper
95 100
174 80.5 0.0 184.4
176 77.6 0.0 178.8

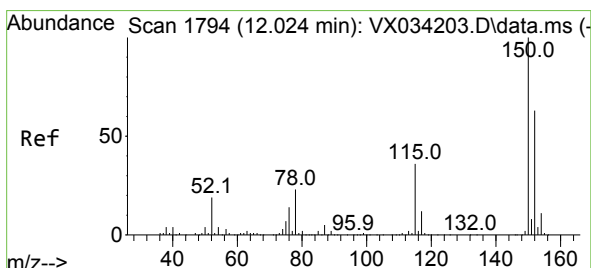
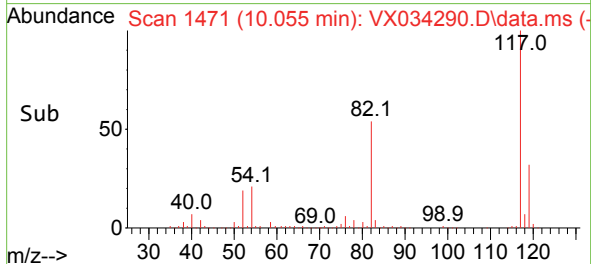
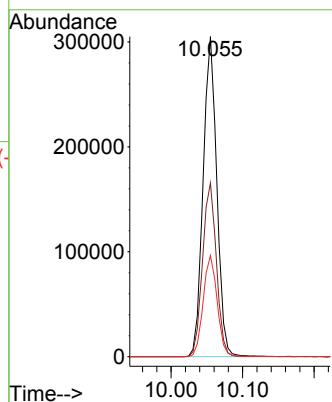
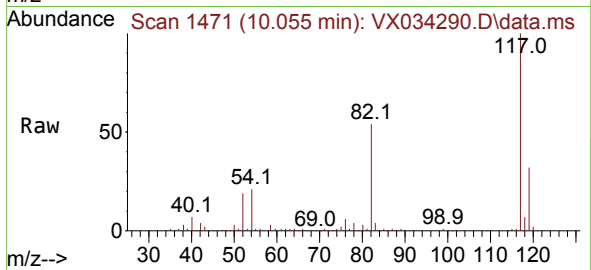




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

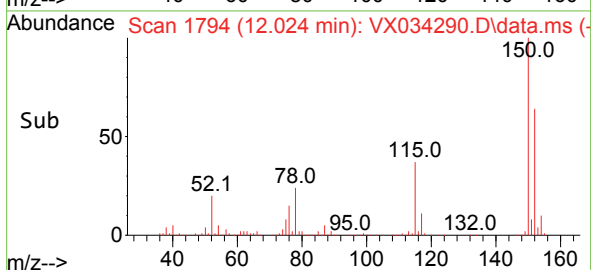
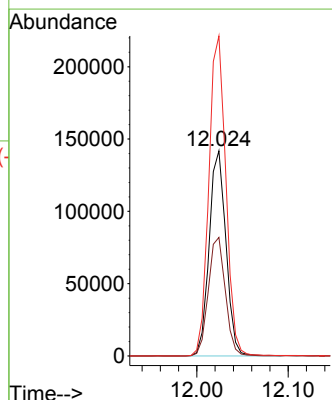
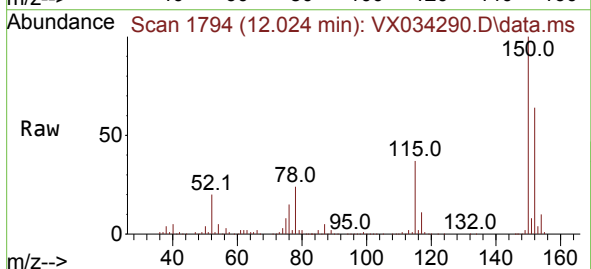
Instrument :
MSVOA_X
ClientSampleId :

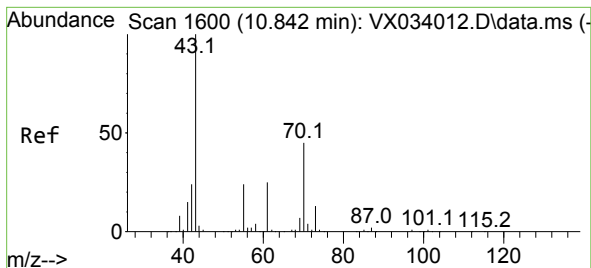
Tgt Ion:117 Resp: 405688
Ion Ratio Lower Upper
117 100
82 54.3 40.6 60.8
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034290.D
Acq: 01 Mar 2023 14:07

Tgt Ion:152 Resp: 180945
Ion Ratio Lower Upper
152 100
115 58.7 38.7 116.1
150 158.2 0.0 348.2





#74

N-amy1 acetate

Concen: 11.037 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

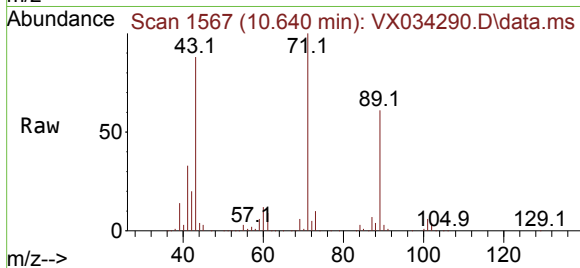
Lab File: VX034290.D

Acq: 01 Mar 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 76468

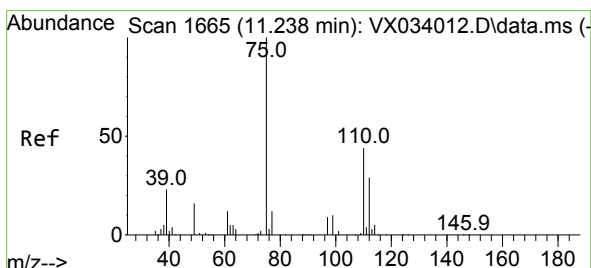
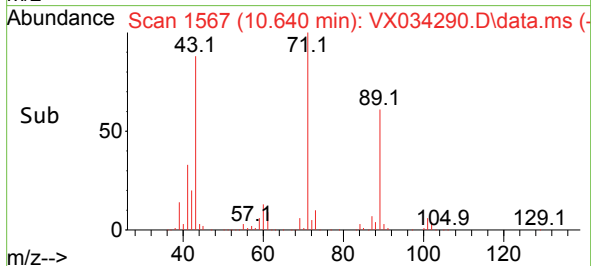
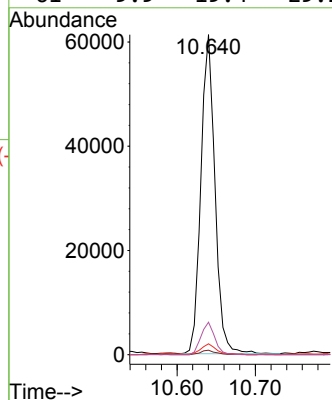
Ion Ratio Lower Upper

43 100

70 1.6 34.8 52.2#

55 3.9 19.4 29.0#

61 9.9 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 20.651 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034290.D

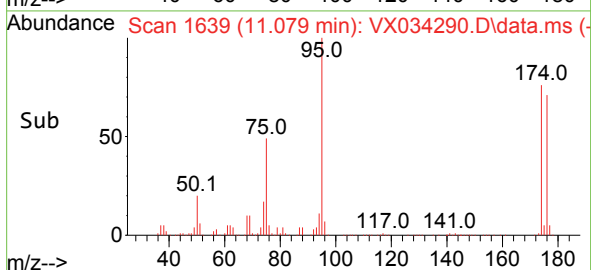
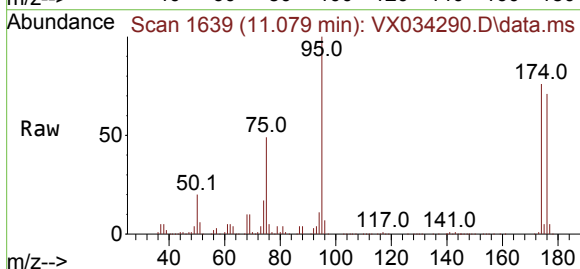
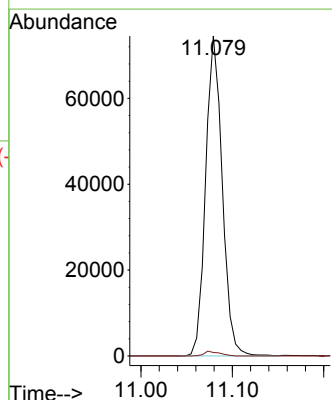
Acq: 01 Mar 2023 14:07

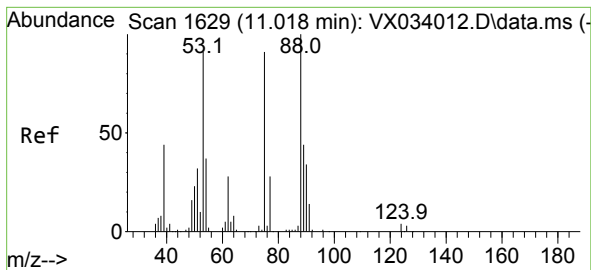
Tgt Ion: 75 Resp: 94026

Ion Ratio Lower Upper

75 100

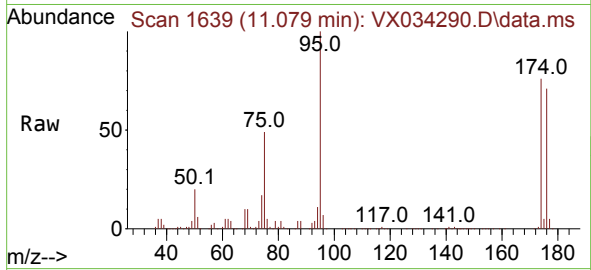
77 1.4 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.051 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034290.D
 Acq: 01 Mar 2023 14:07

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 94026
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

