

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030123\
 Data File : VX034288.D
 Acq On : 01 Mar 2023 13:20
 Operator : JC/MD
 Sample : 01739-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

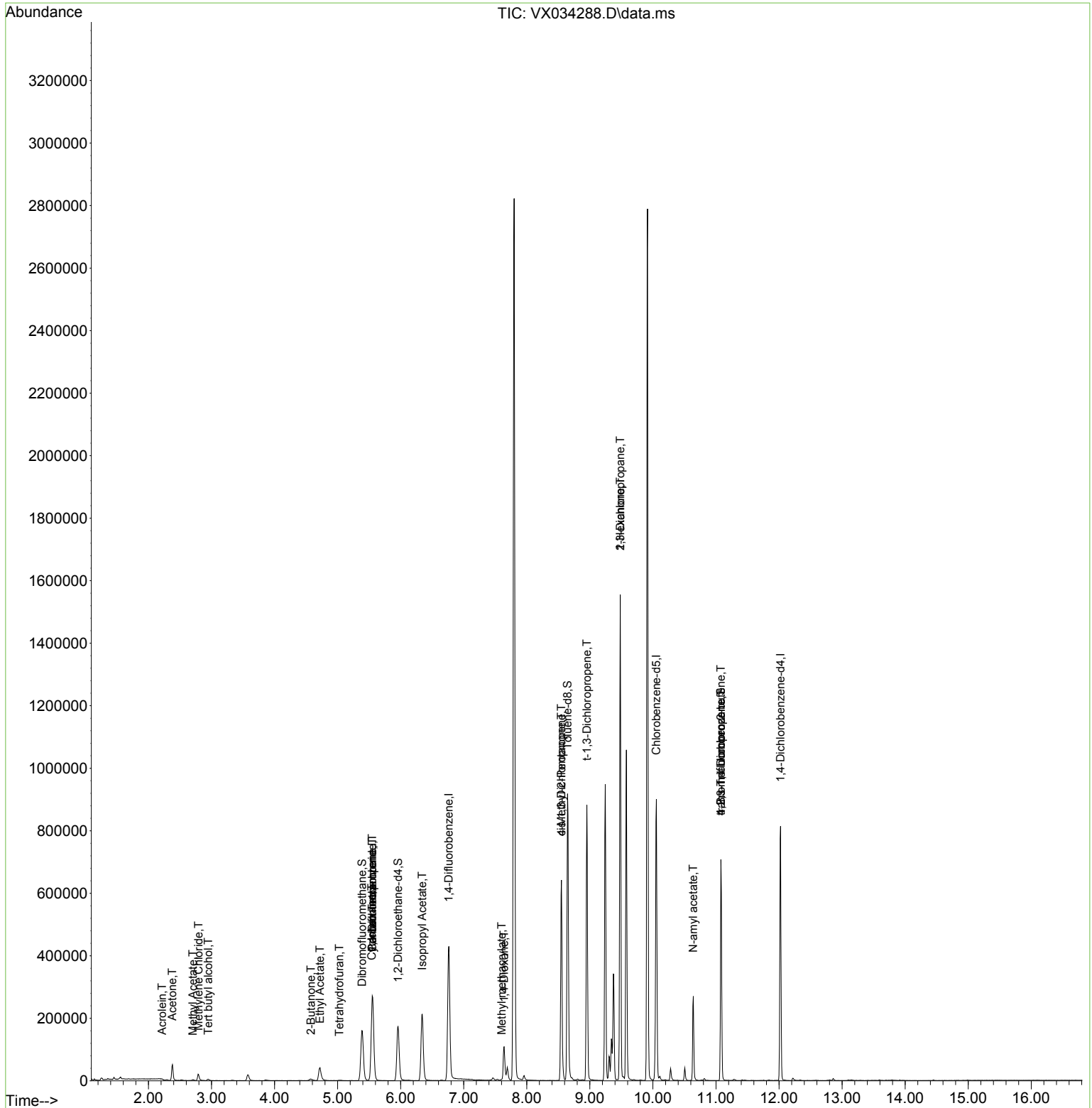
Quant Time: Mar 02 00:42:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

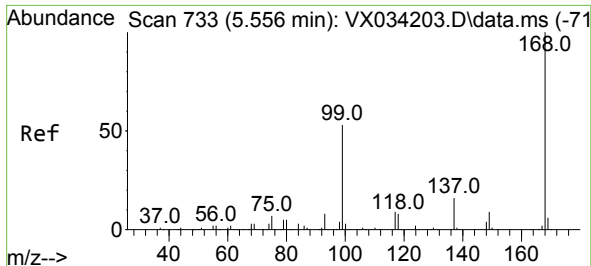
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	273601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	450988	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	402960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161842	43.922	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.840%		
35) Dibromofluoromethane	5.385	113	141198	48.086	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.180%		
50) Toluene-d8	8.647	98	542926	51.498	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.000%		
62) 4-Bromofluorobenzene	11.079	95	185279	45.945	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.900%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	143	Below Cal	#	71
11) Tert butyl alcohol	2.947	59	2935	3.561	ug/l #	97
13) Acrolein	2.215	56	114	0.303	ug/l #	1
16) Acetone	2.380	43	53243	28.011	ug/l	90
18) Methyl Acetate	2.703	43	3365	0.572	ug/l	100
20) Methylene Chloride	2.794	84	9802	2.862	ug/l	88
25) 2-Butanone	4.574	43	6207	2.257	ug/l	94
29) Tetrahydrofuran	5.025	42	869	0.518	ug/l	88
31) Cyclohexane	5.544	56	5437	0.988	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19985	4.602	ug/l #	49
37) Ethyl Acetate	4.721	43	73889	15.225	ug/l	99
38) Carbon Tetrachloride	5.550	117	25575	5.723	ug/l #	15
43) Isopropyl Acetate	6.342	43	304018	35.498	ug/l	99
48) Methyl methacrylate	7.604	41	7310	1.798	ug/l #	16
49) 1,4-Dioxane	7.641	88	85	1.048	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	225587	47.875	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1852	0.348	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	104705	18.364	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	12801	2.338	ug/l #	43
59) 2-Hexanone	9.482	43	177264	49.363	ug/l #	50
74) N-amyl acetate	10.640	43	74079	11.192	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	91874	21.120	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	91874	54.257	ug/l #	8

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

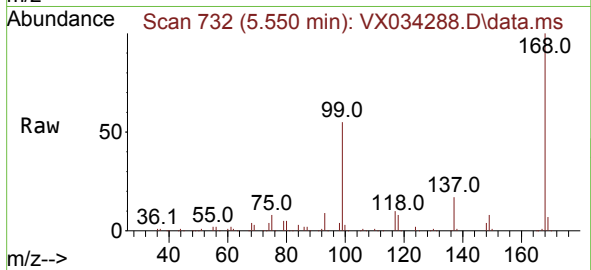
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration



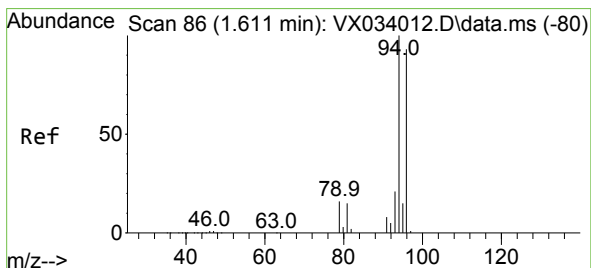
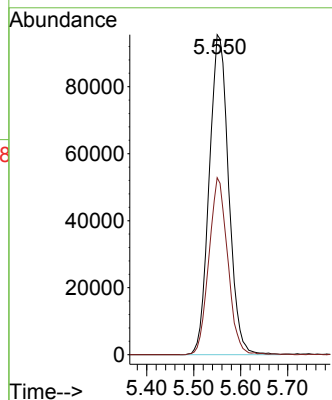
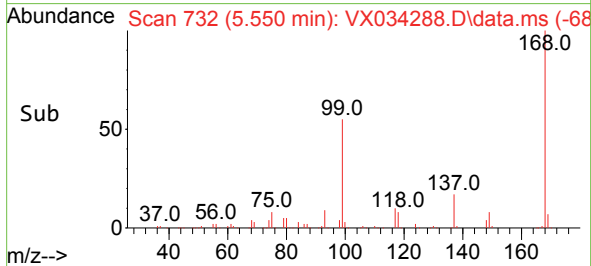


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

Instrument :
MSVOA_X
ClientSampleId :

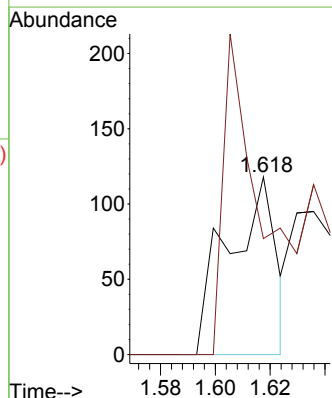
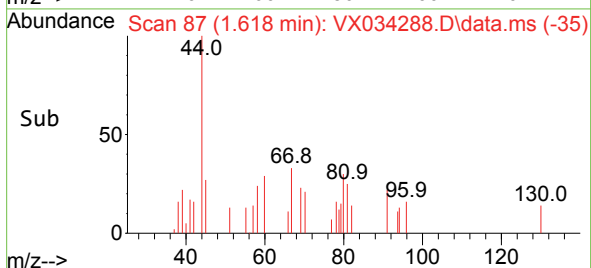
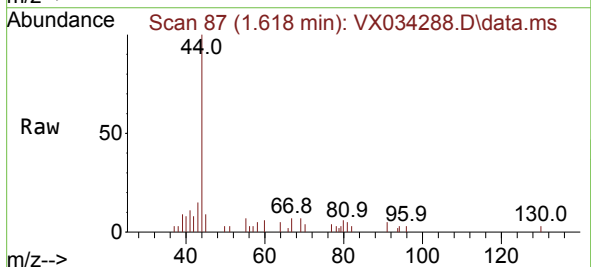


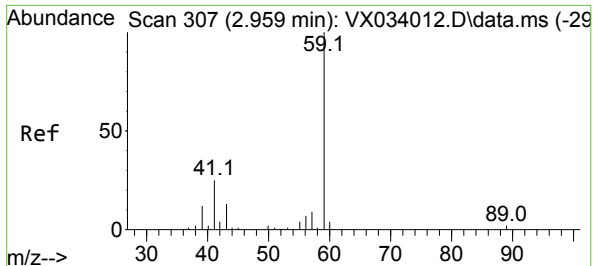
Tgt Ion:168 Resp: 273601
Ion Ratio Lower Upper
168 100
99 55.3 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 65.3 74.3 111.5#





#11

Tert butyl alcohol

Concen: 3.561 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.006 min

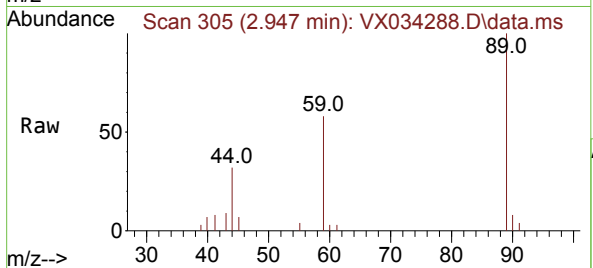
Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

Instrument :

MSVOA_X

ClientSampleId :

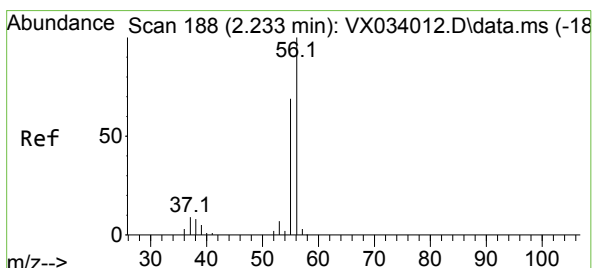
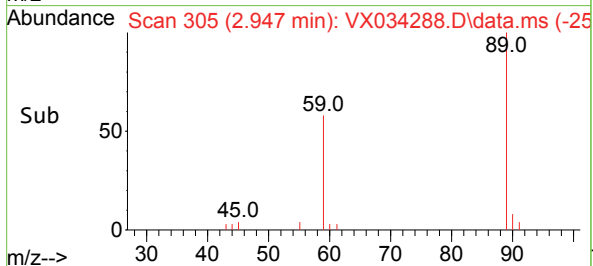
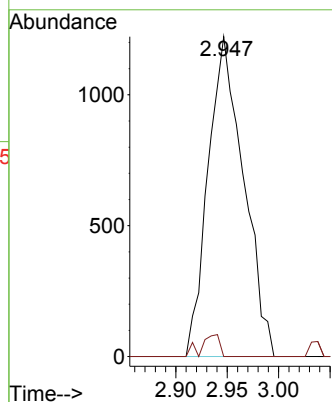


Tgt Ion: 59 Resp: 2935

Ion Ratio Lower Upper

59 100

57 3.5 3.7 5.5#



#13

Acrolein

Concen: 0.303 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.018 min

Lab File: VX034288.D

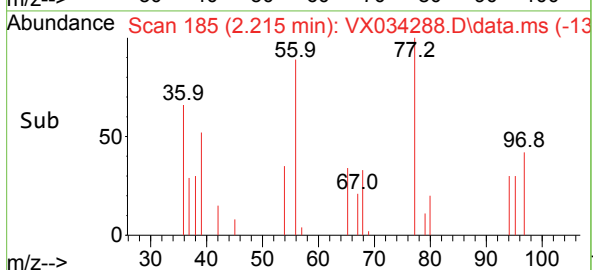
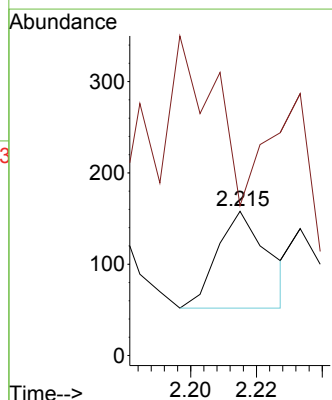
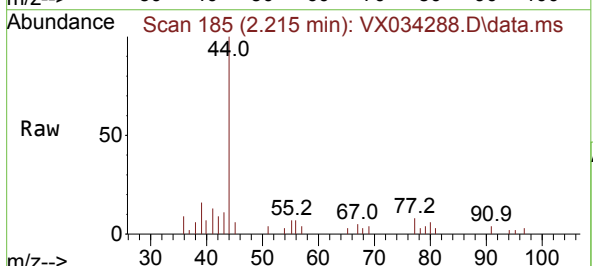
Acq: 01 Mar 2023 13:20

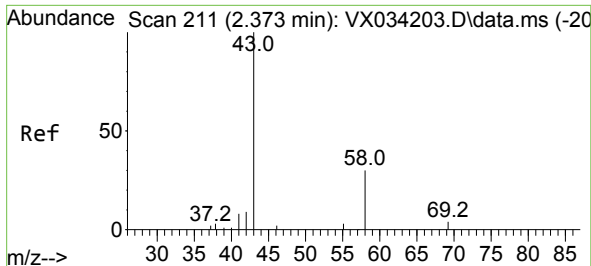
Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 214.0 56.3 84.5#

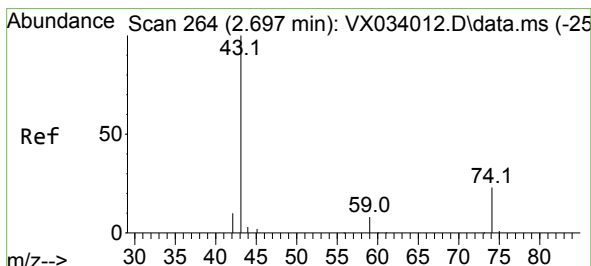
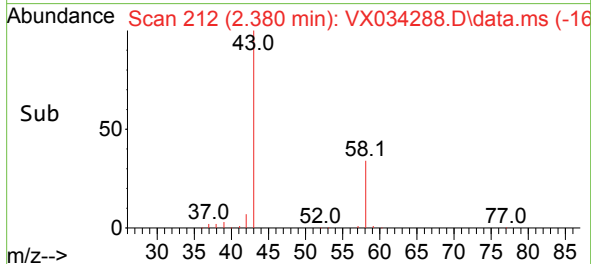
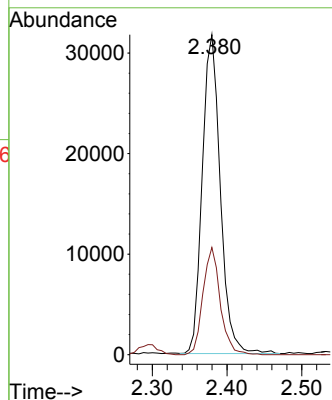
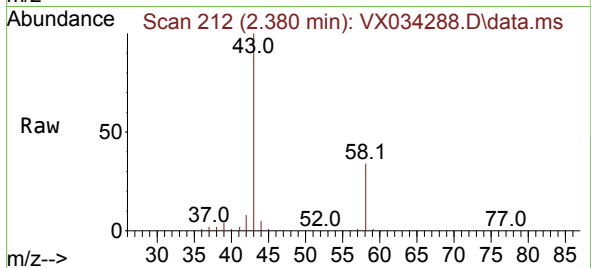




#16
Acetone
Concen: 28.011 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

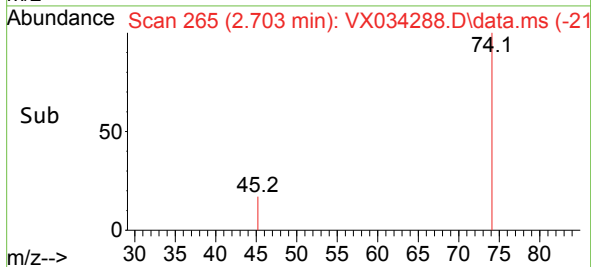
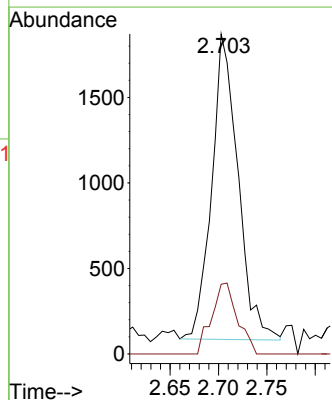
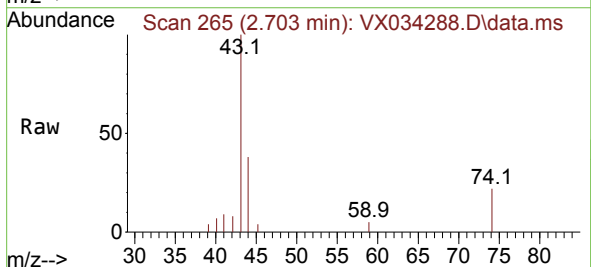
Instrument :
MSVOA_X
ClientSampleId :

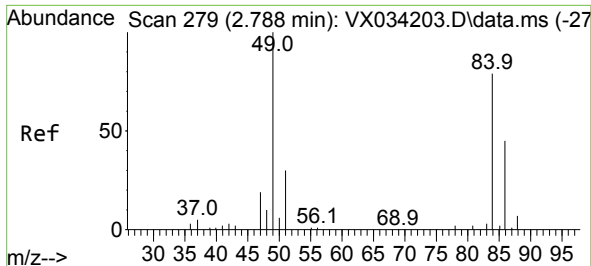
Tgt Ion: 43 Resp: 53243
Ion Ratio Lower Upper
43 100
58 33.6 22.6 33.8



#18
Methyl Acetate
Concen: 0.572 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

Tgt Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.4



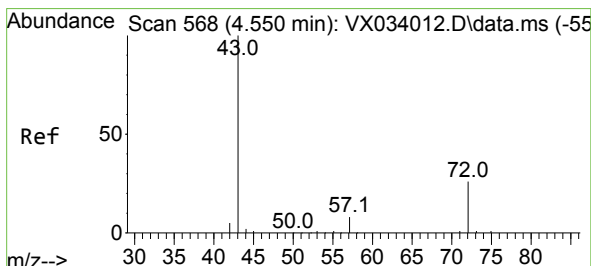
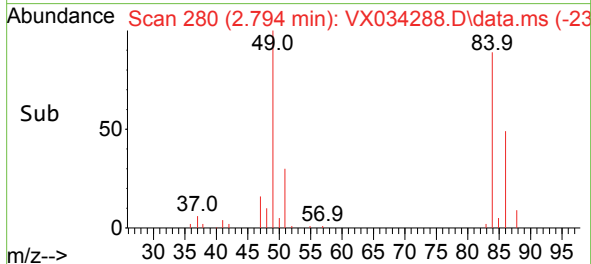
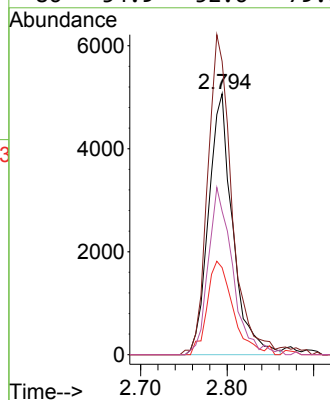
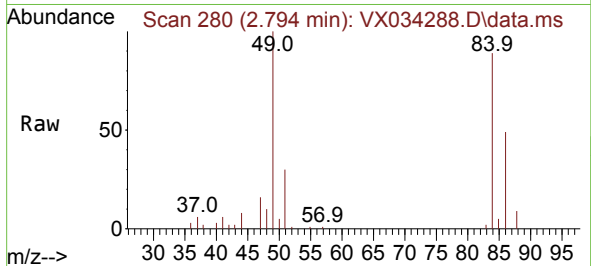


#20
Methylene Chloride
Concen: 2.862 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 9802

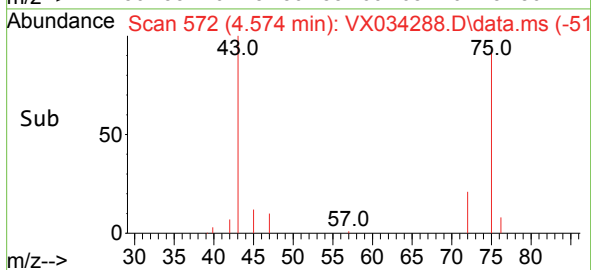
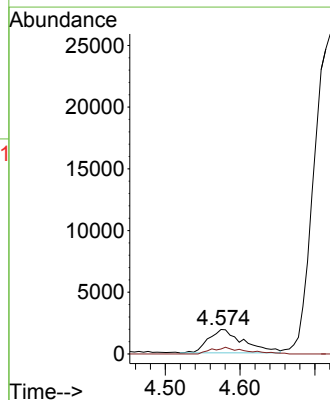
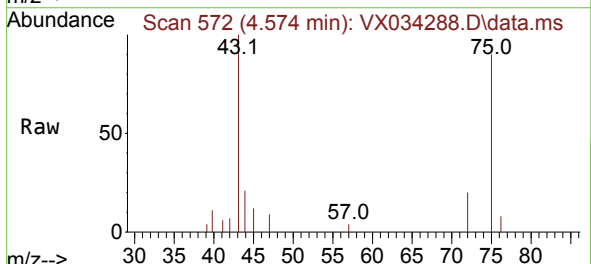
Ion	Ratio	Lower	Upper
84	100		
49	112.4	101.1	151.7
51	33.4	31.0	46.6
86	54.9	52.6	79.0

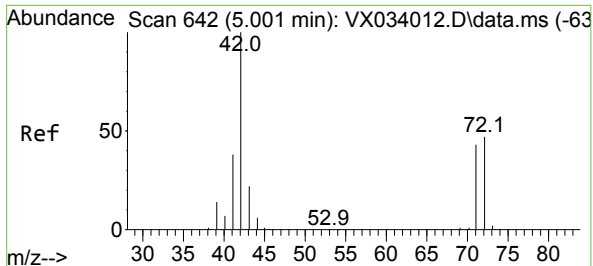


#25
2-Butanone
Concen: 2.257 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

Tgt Ion: 43 Resp: 6207

Ion	Ratio	Lower	Upper
43	100		
72	21.5	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.518 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.031 min

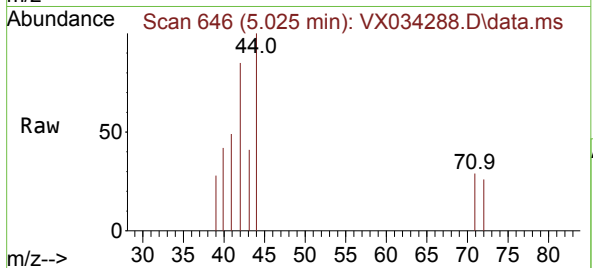
Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

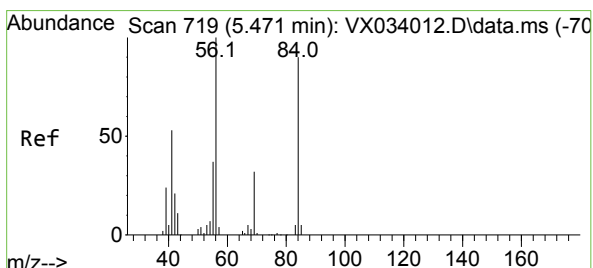
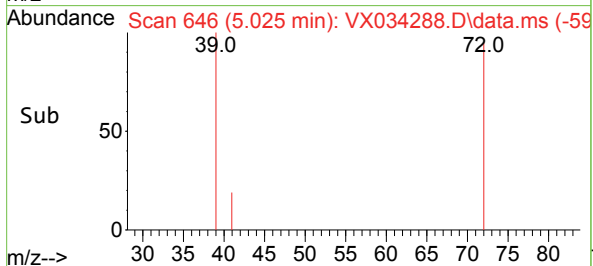
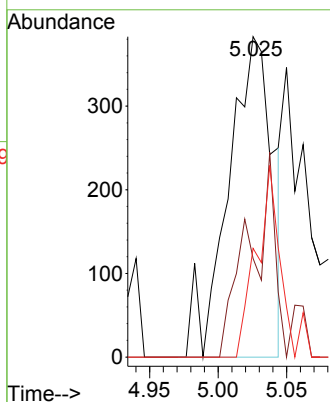
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	869
Ion Ratio	Lower	Upper	
42	100		
72	36.5	34.8	52.2
71	32.7	32.2	48.2



#31

Cyclohexane

Concen: 0.988 ug/l

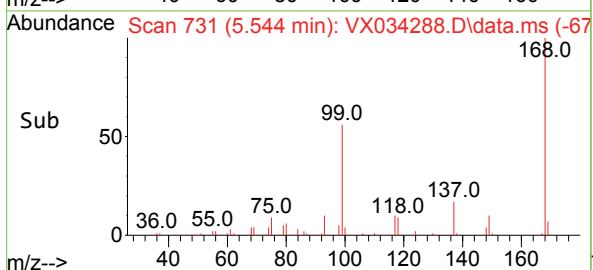
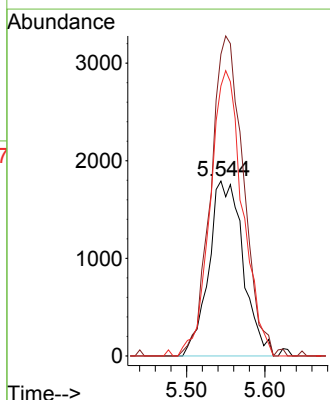
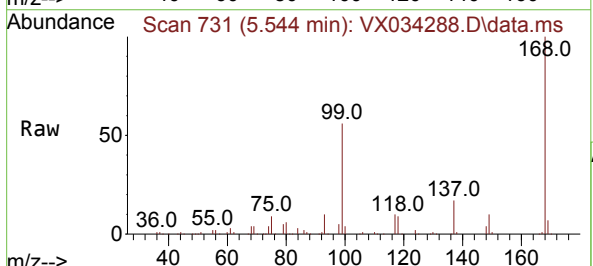
RT: 5.544 min Scan# 731

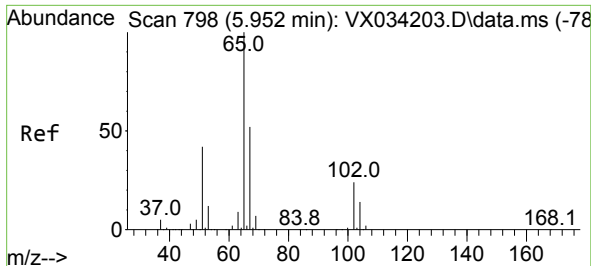
Delta R.T. 0.073 min

Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

Tgt Ion:	56	Resp:	5437
Ion Ratio	Lower	Upper	
56	100		
69	172.5	24.6	37.0#
84	154.5	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 43.922 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

Instrument :

MSVOA_X

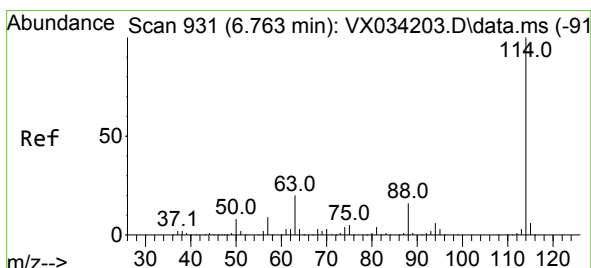
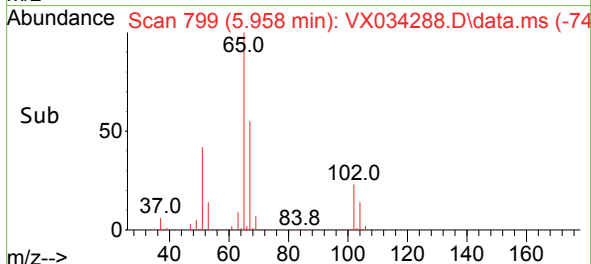
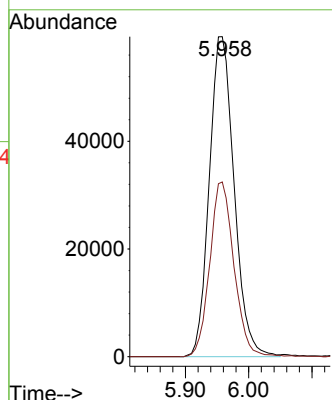
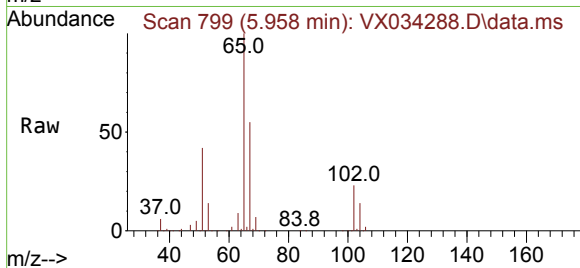
ClientSampleId :

Tgt Ion: 65 Resp: 161842

Ion Ratio Lower Upper

65 100

67 53.4 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: VX034288.D

Acq: 01 Mar 2023 13:20

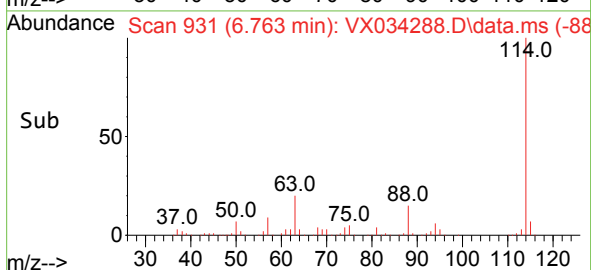
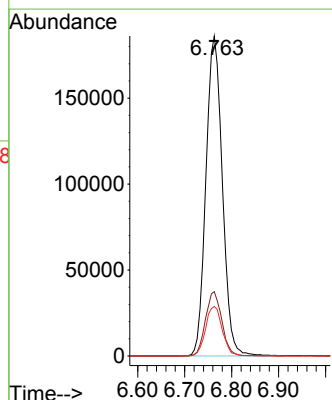
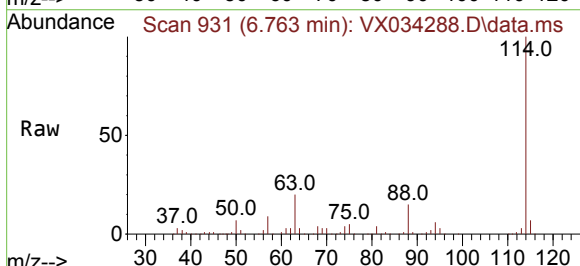
Tgt Ion: 114 Resp: 450988

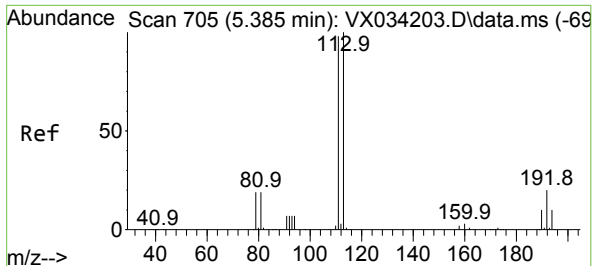
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.086 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

Instrument :

MSVOA_X

ClientSampleId :

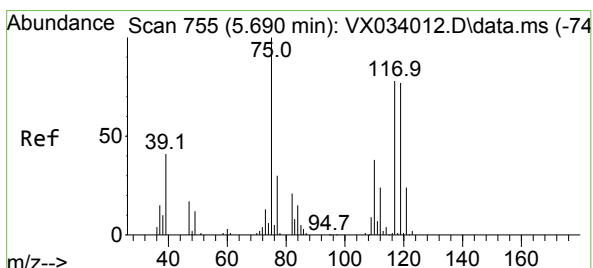
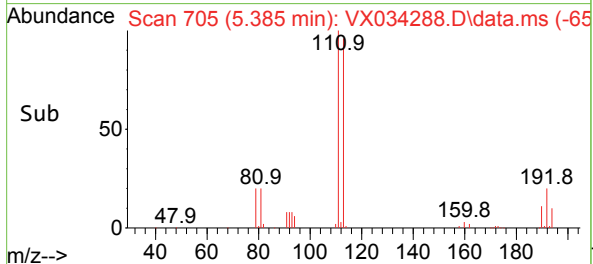
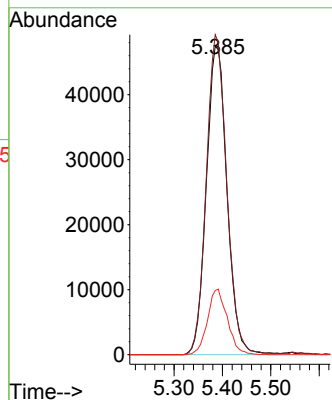
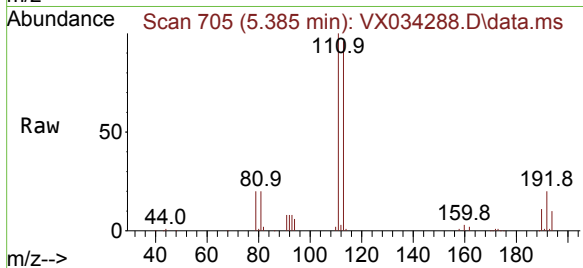
Tgt Ion:113 Resp: 141198

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.6

192 20.4 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

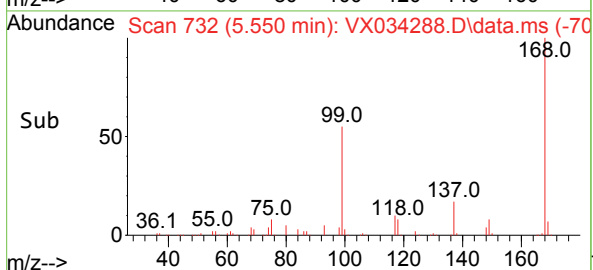
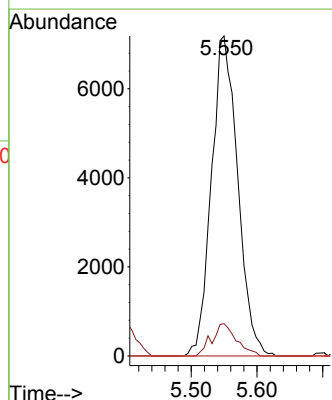
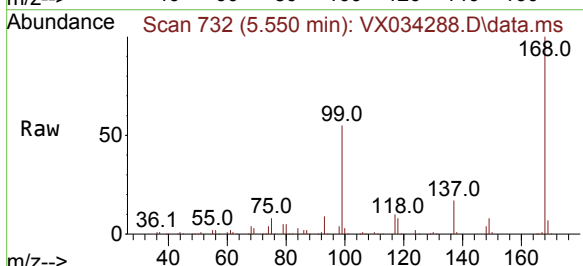
Tgt Ion: 75 Resp: 19985

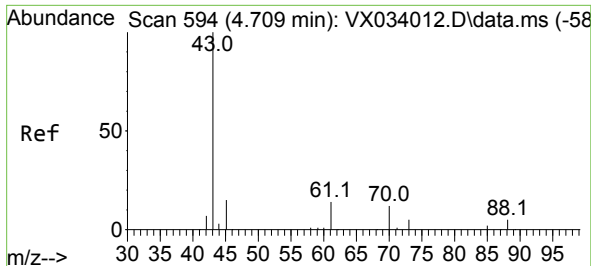
Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 15.225 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

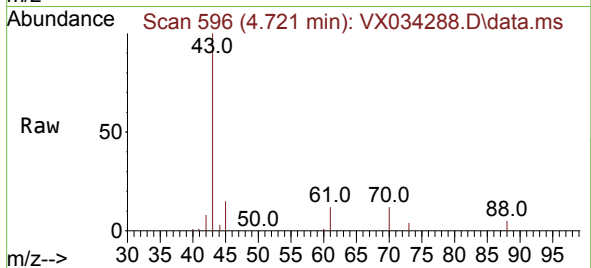
Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

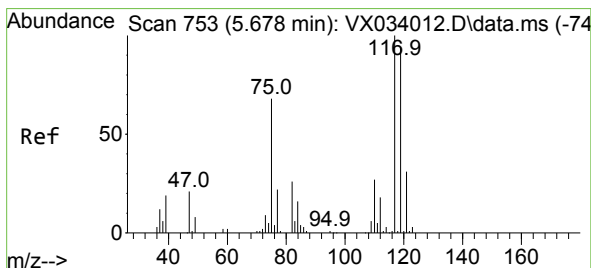
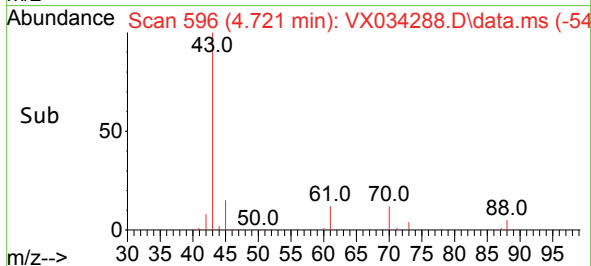
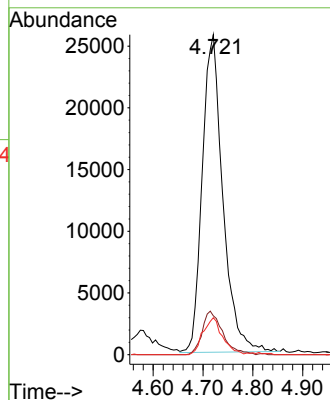
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	73889
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	11.0	8.5	12.7



#38

Carbon Tetrachloride

Concen: 5.723 ug/l

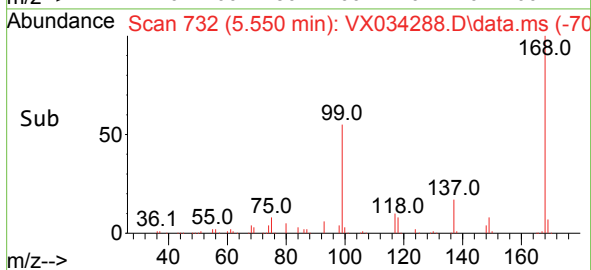
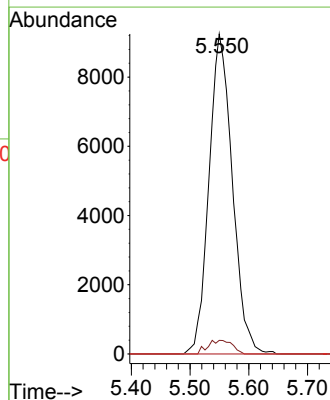
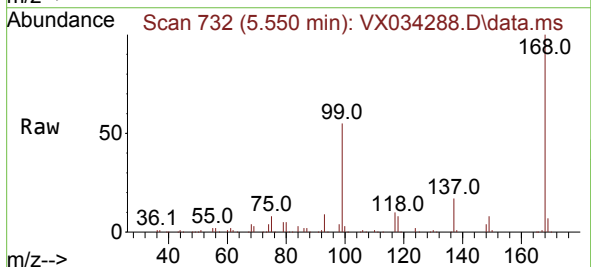
RT: 5.550 min Scan# 732

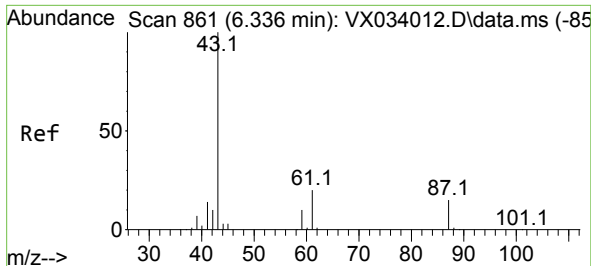
Delta R.T. -0.122 min

Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

Tgt Ion:	117	Resp:	25575
Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.0	117.0#
121	0.0	24.4	36.6#

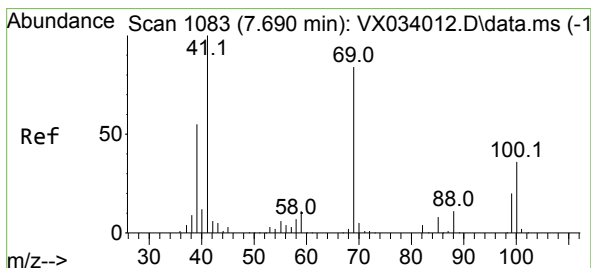
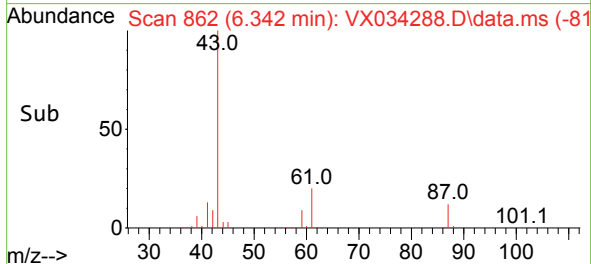
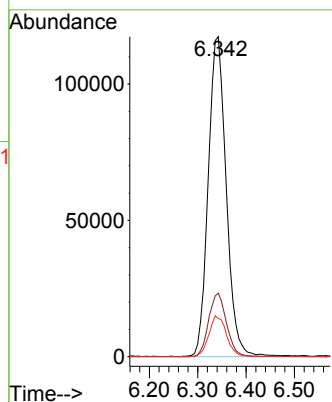
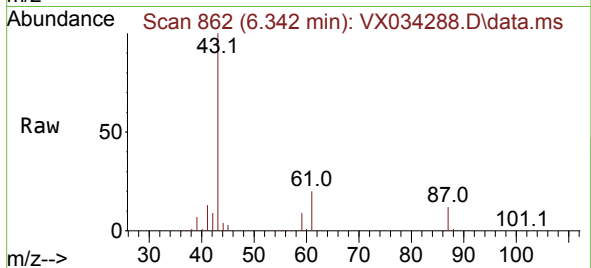




#43
Isopropyl Acetate
Concen: 35.498 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

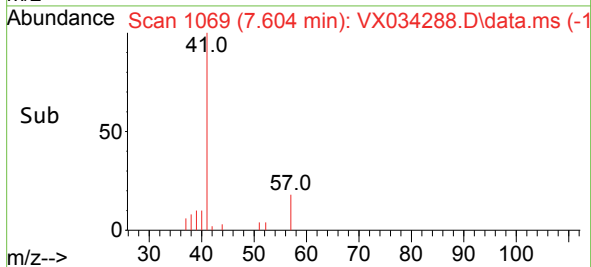
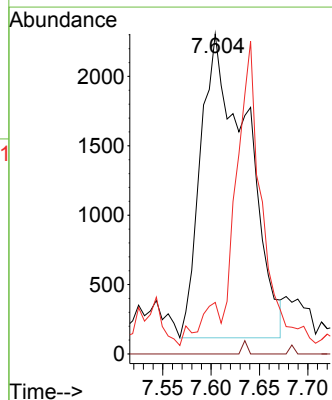
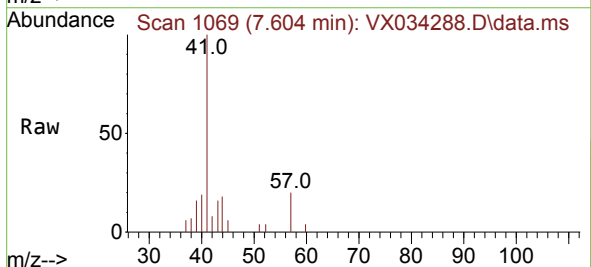
Instrument :
MSVOA_X
ClientSampleId :

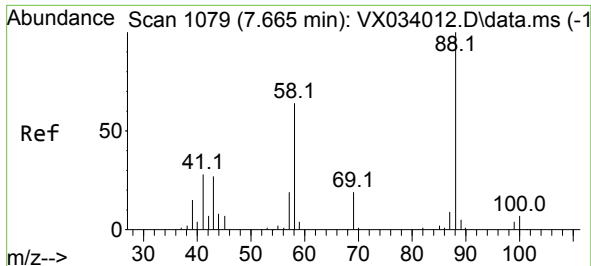
Tgt Ion: 43 Resp: 304018
Ion Ratio Lower Upper
43 100
61 19.6 15.7 23.5
87 12.5 10.6 15.8



#48
Methyl methacrylate
Concen: 1.798 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

Tgt Ion: 41 Resp: 7310
Ion Ratio Lower Upper
41 100
69 0.0 63.1 94.7#
39 0.0 43.2 64.8#





#49

1,4-Dioxane

Concen: 1.048 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.012 min

Lab File: VX034288.D

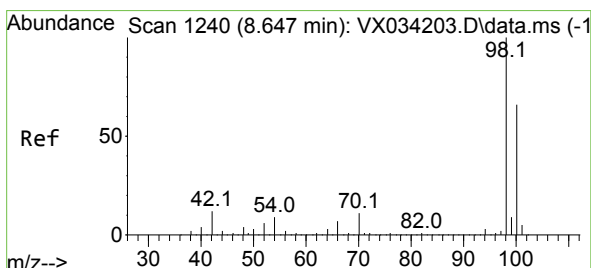
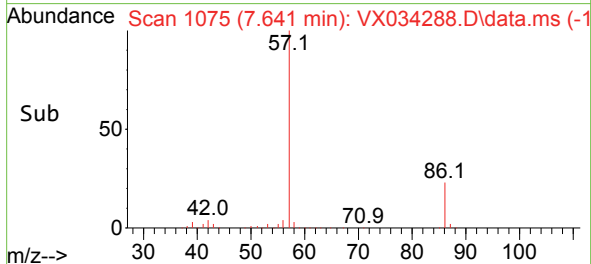
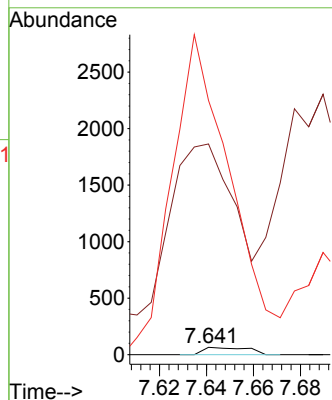
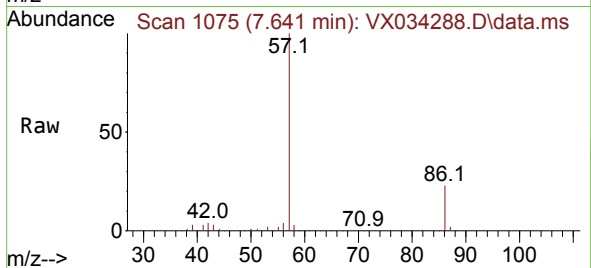
Acq: 01 Mar 2023 13:20

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	85
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	5848.2	56.5	84.7#



#50

Toluene-d8

Concen: 51.498 ug/l

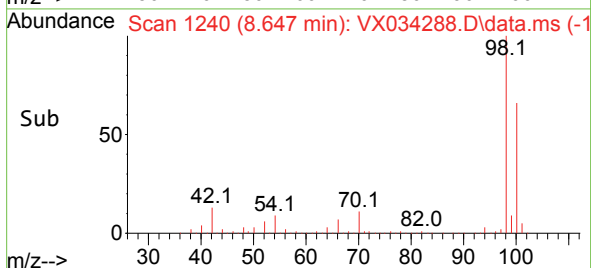
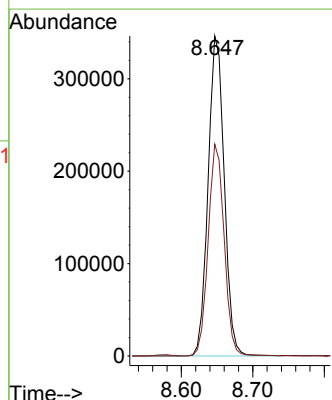
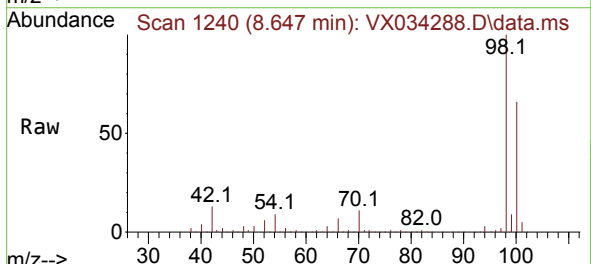
RT: 8.647 min Scan# 1240

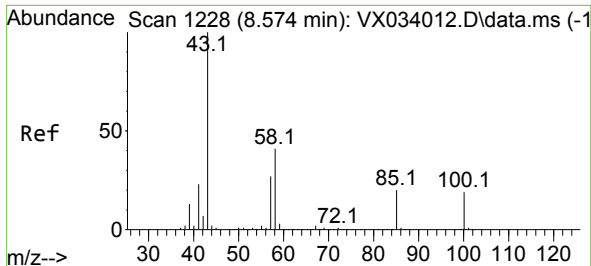
Delta R.T. 0.000 min

Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

Tgt Ion:	98	Resp:	542926
Ion Ratio	Lower	Upper	
98	100		
100	65.5	53.6	80.4

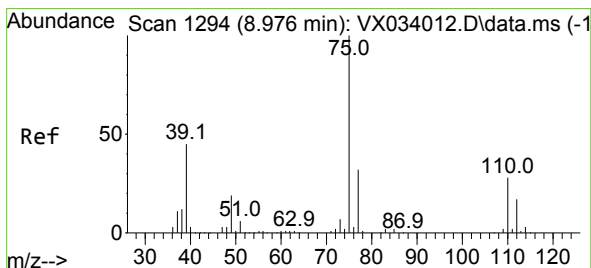
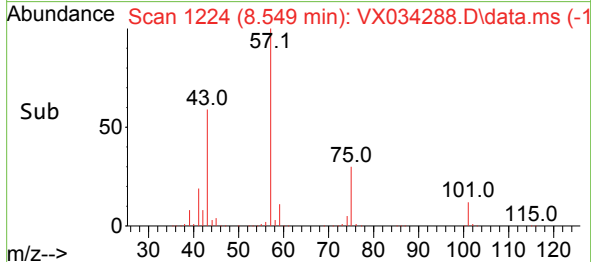
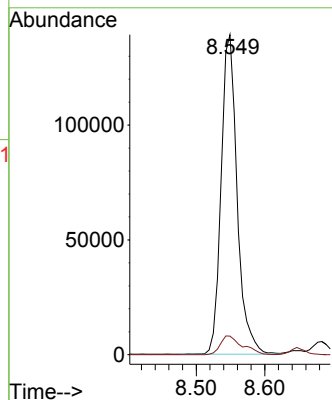
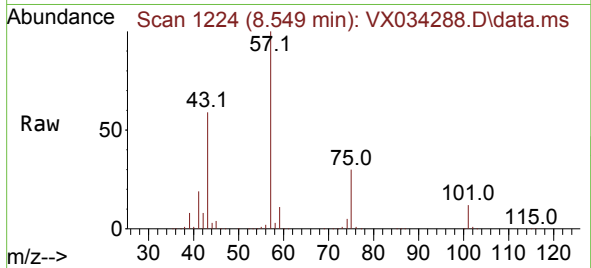




#51
4-Methyl-2-Pentanone
Concen: 47.875 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

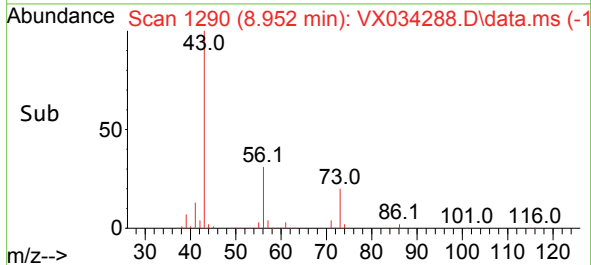
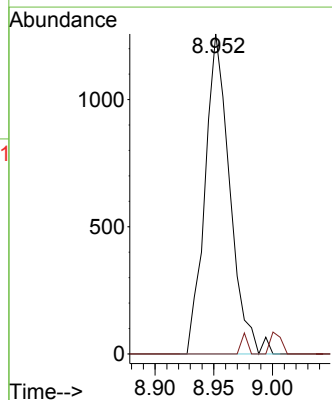
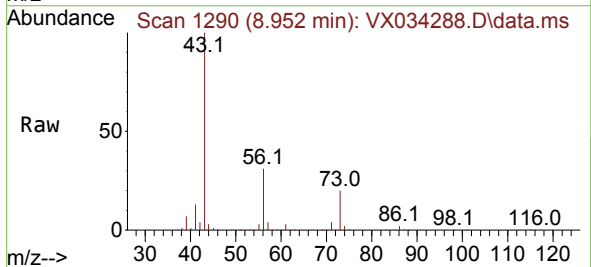
Instrument :
MSVOA_X
ClientSampleId :

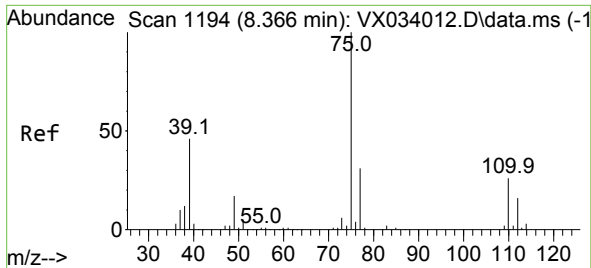
Tgt Ion: 43 Resp: 225587
Ion Ratio Lower Upper
43 100
58 8.1 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.348 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

Tgt Ion: 75 Resp: 1852
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

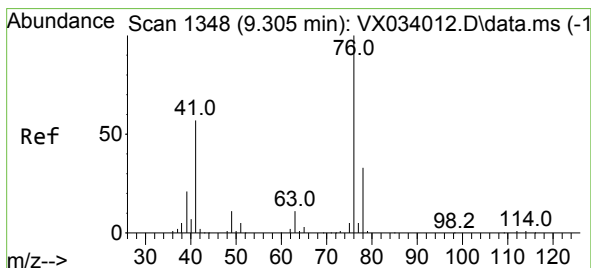
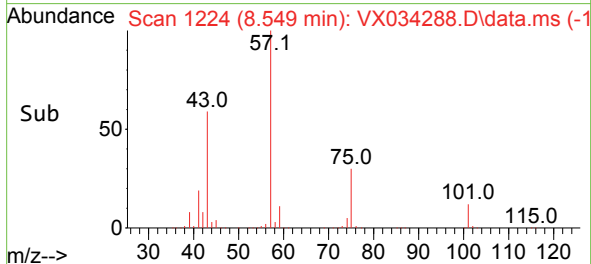
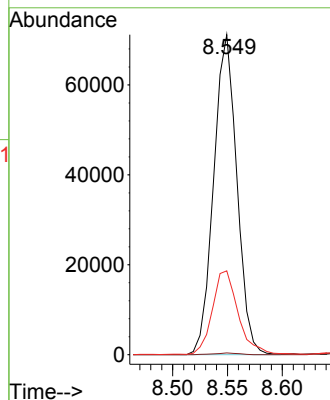
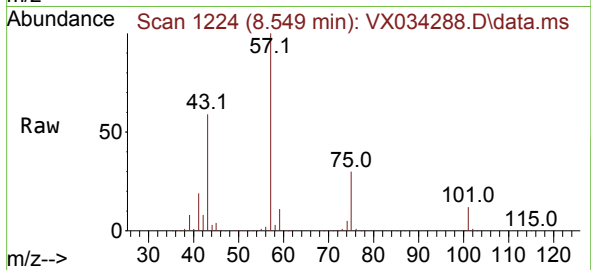




#54
 cis-1,3-Dichloropropene
 Concen: 18.364 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034288.D
 Acq: 01 Mar 2023 13:20

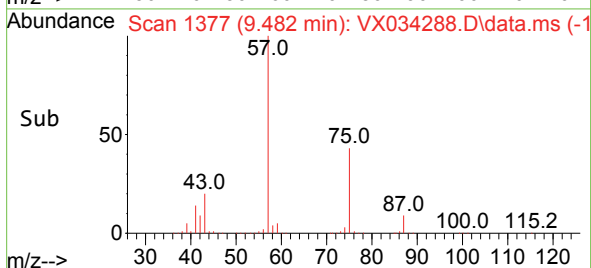
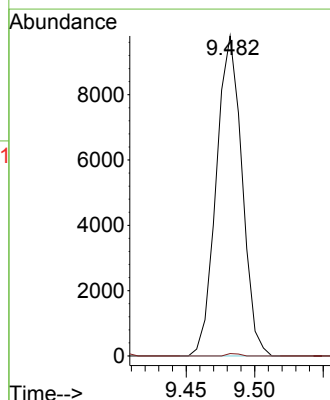
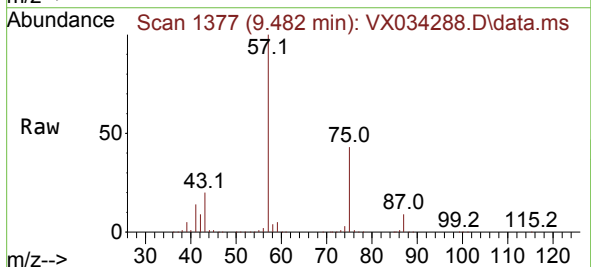
Instrument :
 MSVOA_X
 ClientSampleId :

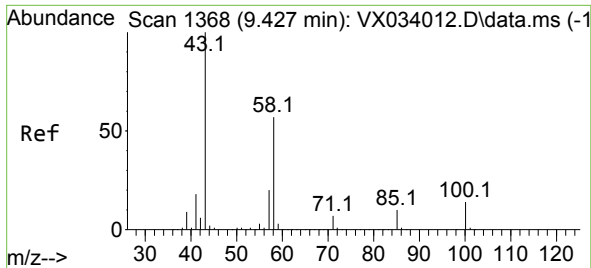
Tgt Ion: 75 Resp: 104705
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 26.1 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.338 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034288.D
 Acq: 01 Mar 2023 13:20

Tgt Ion: 76 Resp: 12801
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.6 38.4#

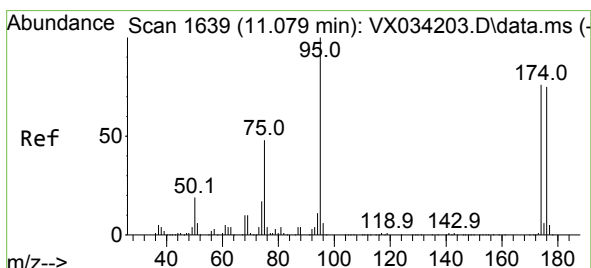
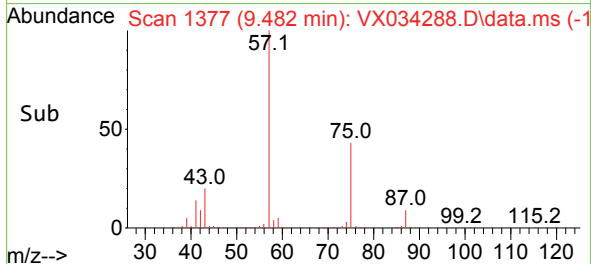
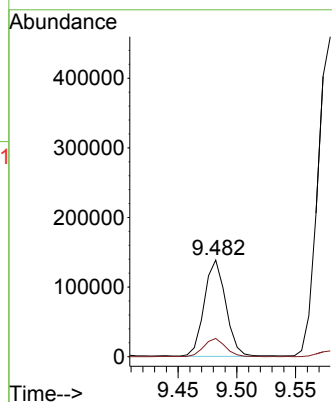
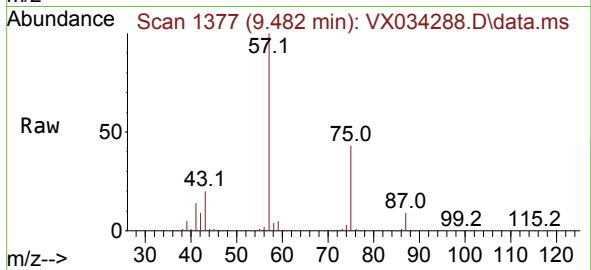




#59
2-Hexanone
Concen: 49.363 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

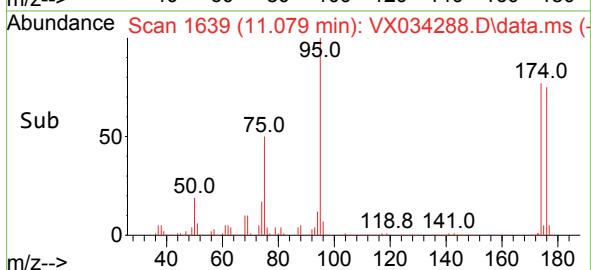
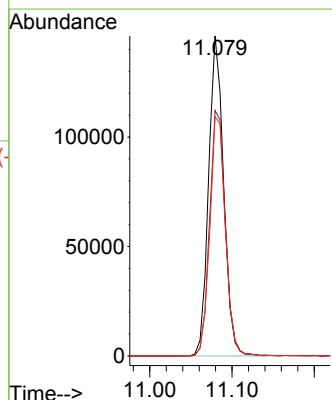
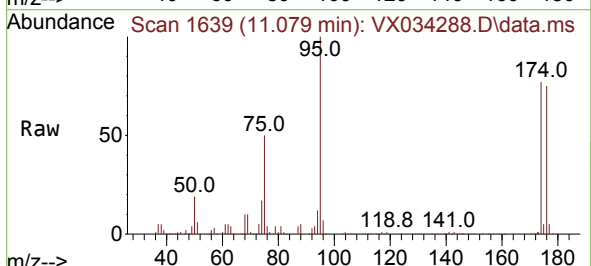
Instrument :
MSVOA_X
ClientSampleId :

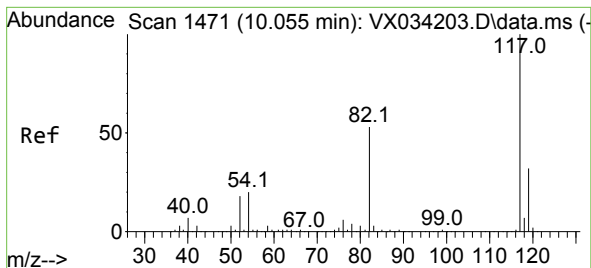
Tgt Ion: 43 Resp: 177264
Ion Ratio Lower Upper
43 100
58 18.9 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 45.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

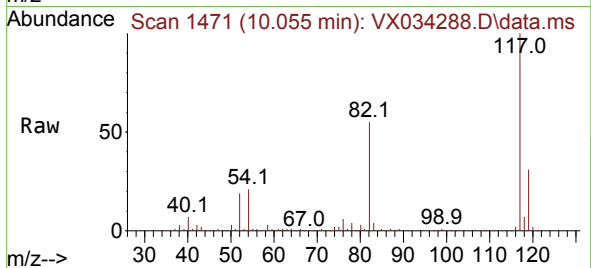
Tgt Ion: 95 Resp: 185279
Ion Ratio Lower Upper
95 100
174 80.7 0.0 184.4
176 77.9 0.0 178.8



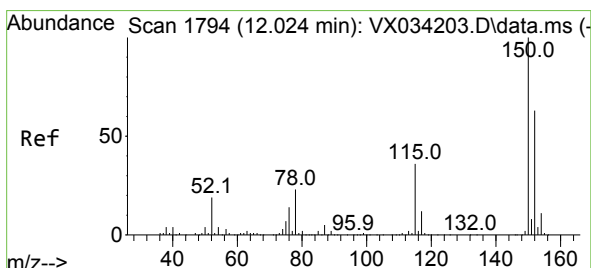
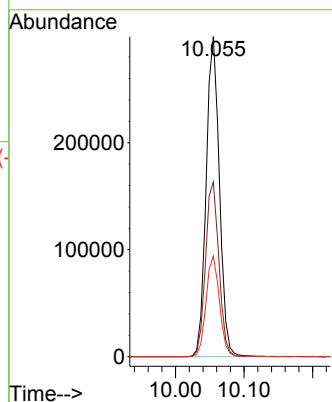
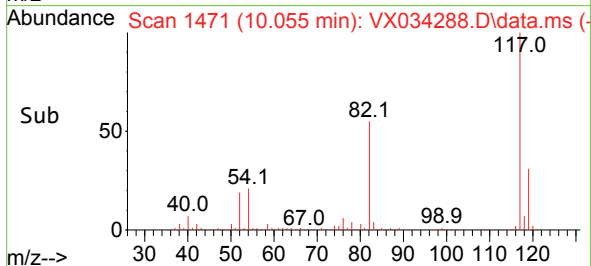


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20

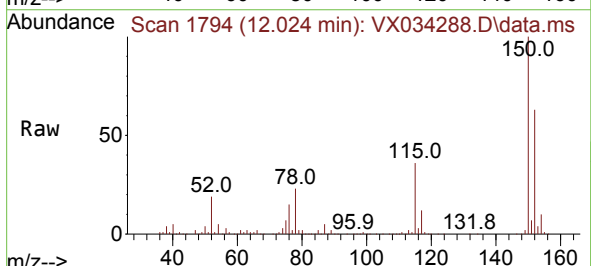
Instrument :
MSVOA_X
ClientSampleId :



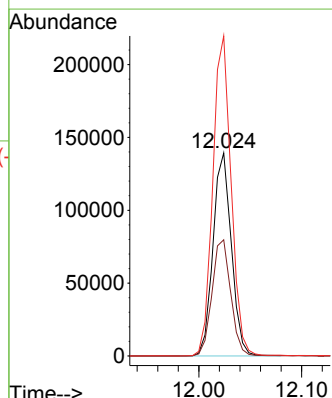
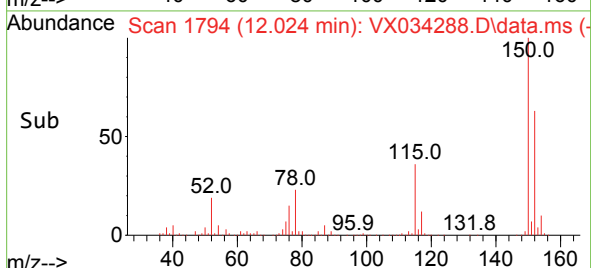
Tgt Ion:117 Resp: 402960
Ion Ratio Lower Upper
117 100
82 54.6 40.6 60.8
119 31.5 25.6 38.4

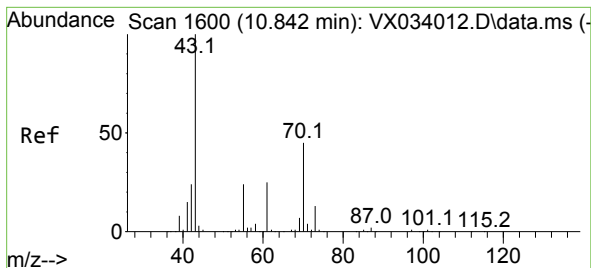


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034288.D
Acq: 01 Mar 2023 13:20



Tgt Ion:152 Resp: 172874
Ion Ratio Lower Upper
152 100
115 58.6 38.7 116.1
150 157.6 0.0 348.2





#74

N-amy1 acetate

Concen: 11.192 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

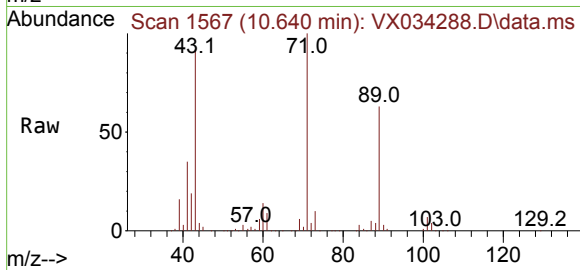
Lab File: VX034288.D

Acq: 01 Mar 2023 13:20

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 74079

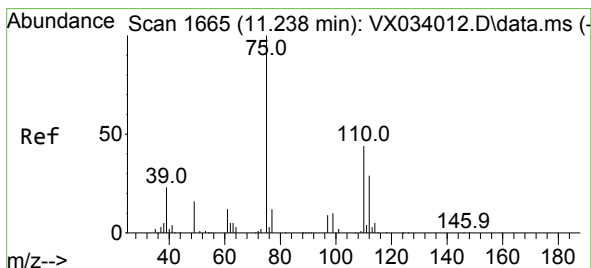
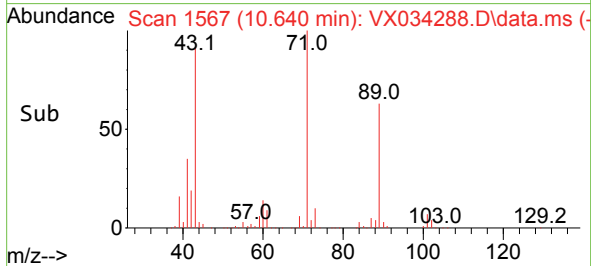
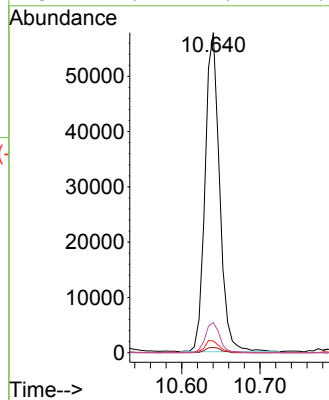
Ion Ratio Lower Upper

43 100

70 1.9 34.8 52.2#

55 4.0 19.4 29.0#

61 9.4 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 21.120 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034288.D

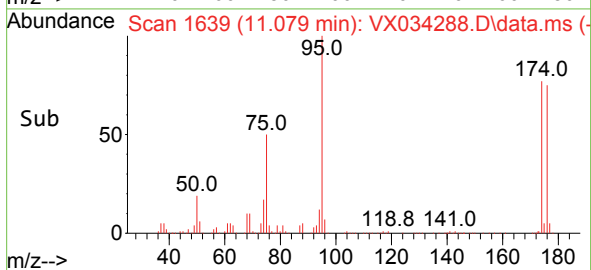
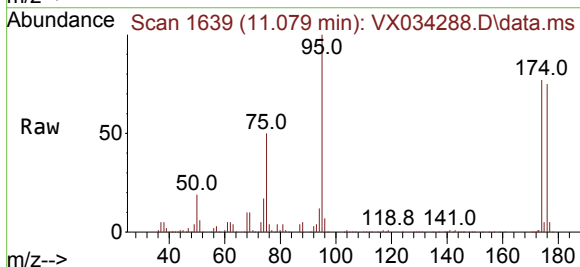
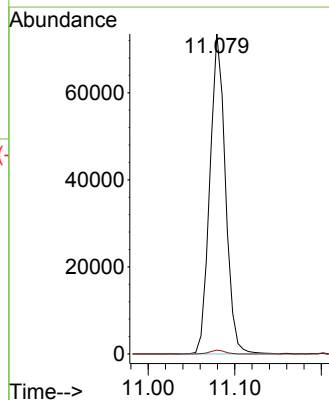
Acq: 01 Mar 2023 13:20

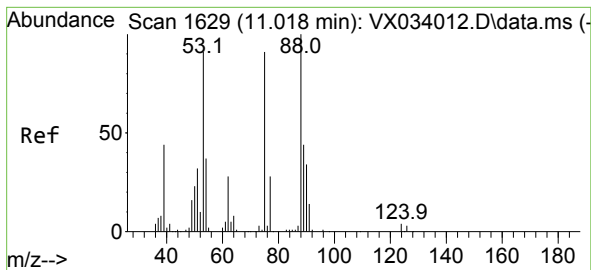
Tgt Ion: 75 Resp: 91874

Ion Ratio Lower Upper

75 100

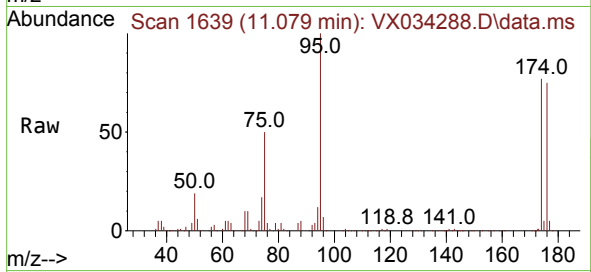
77 1.1 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.257 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034288.D
 Acq: 01 Mar 2023 13:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 91874
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

