

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030123\
 Data File : VX034286.D
 Acq On : 01 Mar 2023 12:33
 Operator : JC/MD
 Sample : PB151127TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 02 00:41:21 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

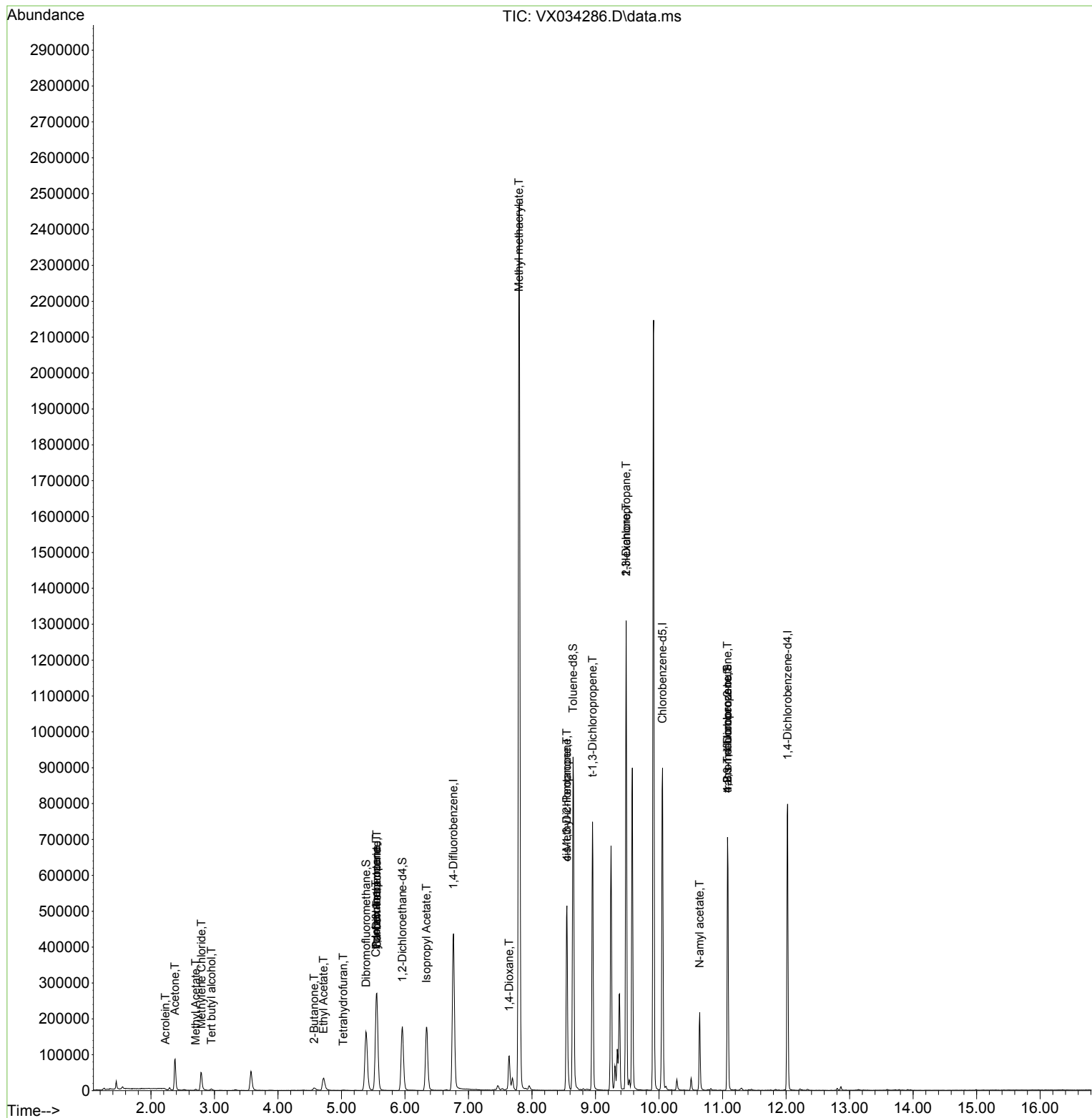
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	275407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	453133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	405883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163615	44.112	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.220%
35) Dibromofluoromethane	5.385	113	139742	47.365	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.720%
50) Toluene-d8	8.647	98	545486	51.496	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.000%
62) 4-Bromofluorobenzene	11.079	95	184598	45.560	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.120%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	265	Below Cal		87
11) Tert butyl alcohol	2.953	59	3619	4.362	ug/l #	92
13) Acrolein	2.227	56	441	1.165	ug/l #	35
16) Acetone	2.380	43	93919	49.087	ug/l	94
18) Methyl Acetate	2.703	43	3389	0.572	ug/l	97
20) Methylene Chloride	2.794	84	24484	7.102	ug/l	96
25) 2-Butanone	4.568	43	11456	4.138	ug/l	93
29) Tetrahydrofuran	5.026	42	809	0.479	ug/l #	60
31) Cyclohexane	5.544	56	6164	1.113	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	20612	4.724	ug/l #	48
37) Ethyl Acetate	4.715	43	63030	12.926	ug/l	100
38) Carbon Tetrachloride	5.556	117	25528	5.686	ug/l #	15
43) Isopropyl Acetate	6.336	43	258138	29.998	ug/l	99
48) Methyl methacrylate	7.793	41	206365	50.526	ug/l #	45
49) 1,4-Dioxane	7.641	88	91	1.117	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	184989	39.074	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	1679	0.314	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	83529	14.580	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	10904	1.982	ug/l #	43
59) 2-Hexanone	9.482	43	145338	40.281	ug/l #	51
74) N-amyl acetate	10.640	43	57201	8.574	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	92498	21.096	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	92498	54.194	ug/l #	8

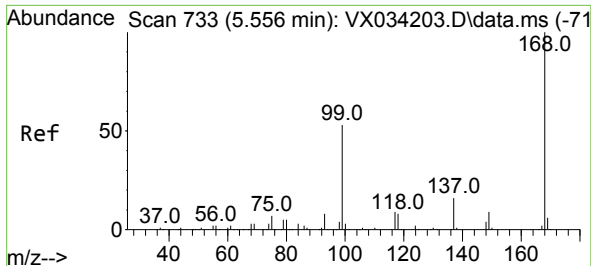
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 02 00:41:21 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

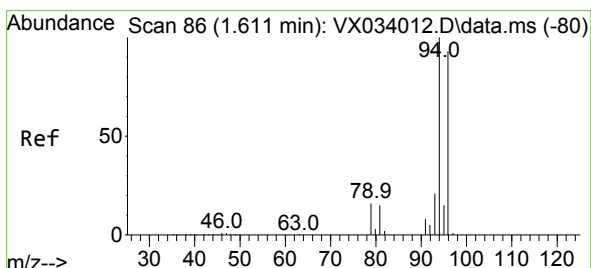
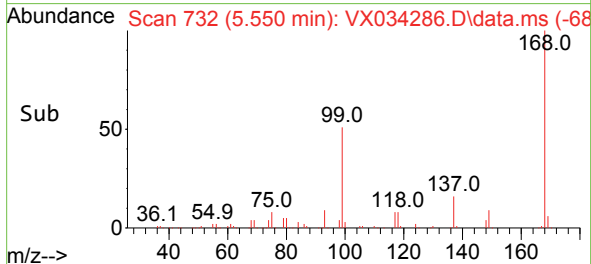
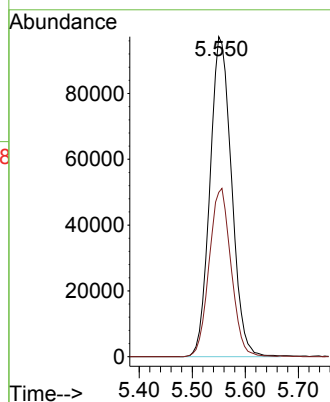
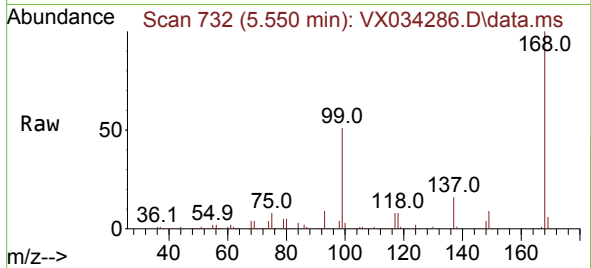




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

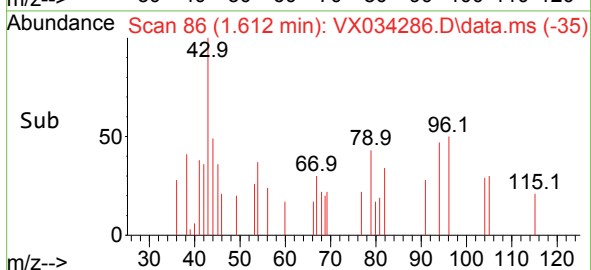
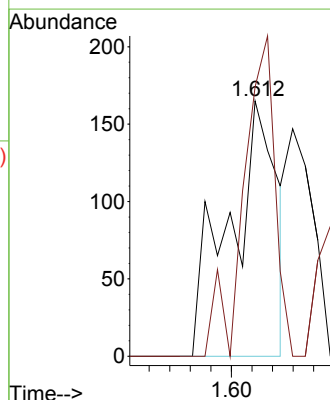
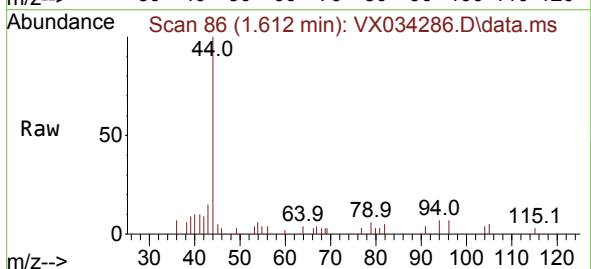
Instrument :
MSVOA_X
ClientSampleId :

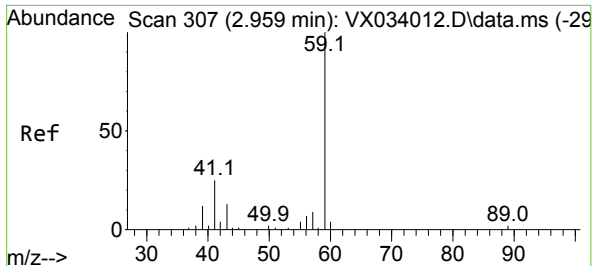
Tgt Ion:168 Resp: 275407
Ion Ratio Lower Upper
168 100
99 51.4 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

Tgt Ion: 94 Resp: 265
Ion Ratio Lower Upper
94 100
96 105.5 74.3 111.5

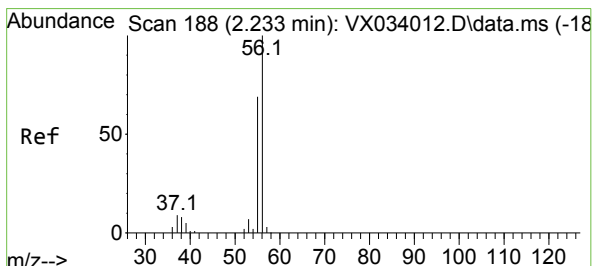
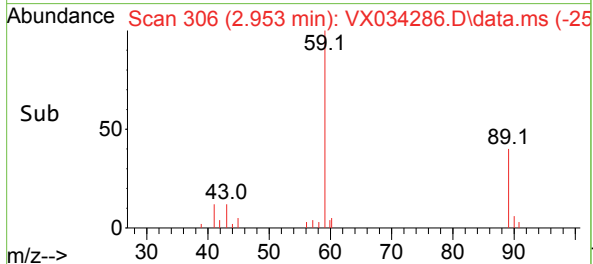
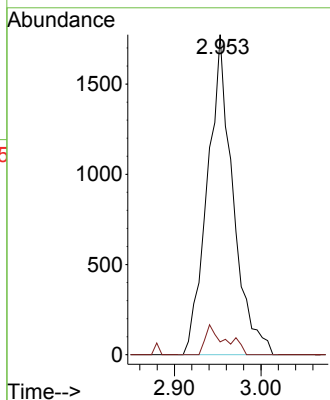
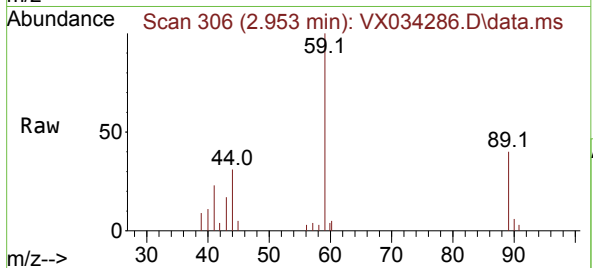




#11
Tert butyl alcohol
Concen: 4.362 ug/l
RT: 2.953 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

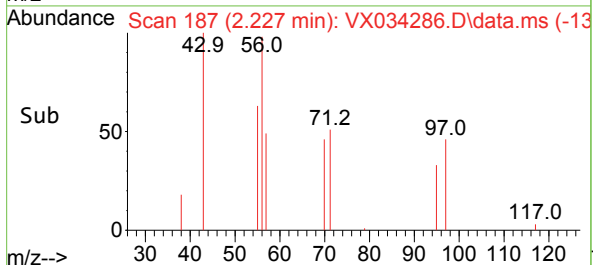
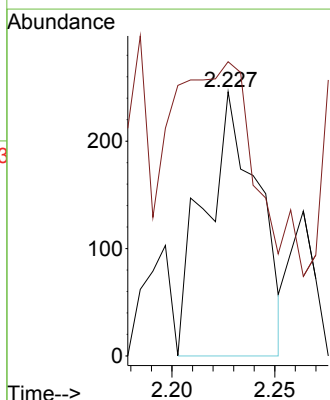
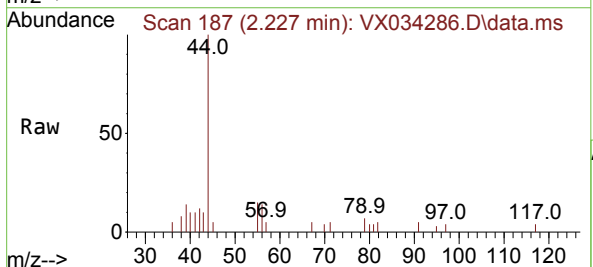
Instrument :
MSVOA_X
ClientSampleId :

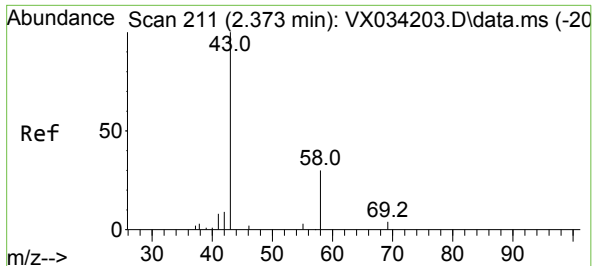
Tgt Ion: 59 Resp: 3619
Ion Ratio Lower Upper
59 100
57 7.3 3.7 5.5#



#13
Acrolein
Concen: 1.165 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 124.3 56.3 84.5#

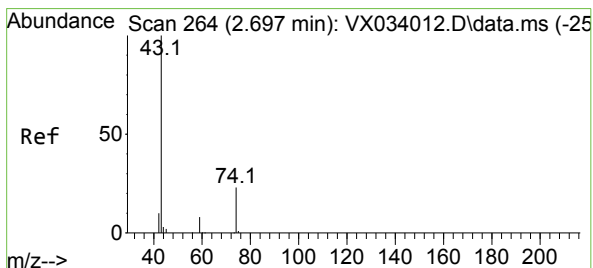
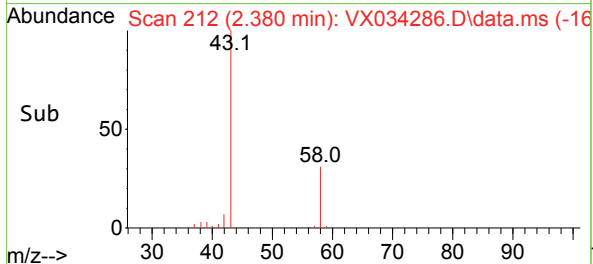
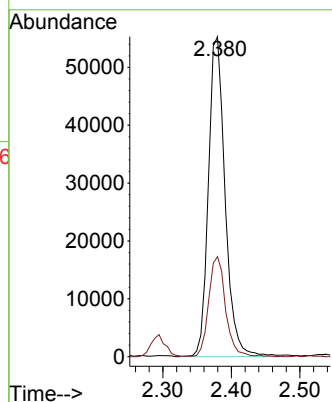
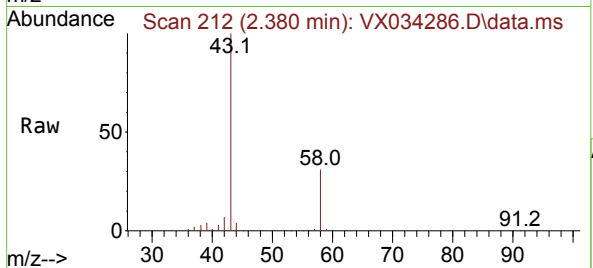




#16
Acetone
Concen: 49.087 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

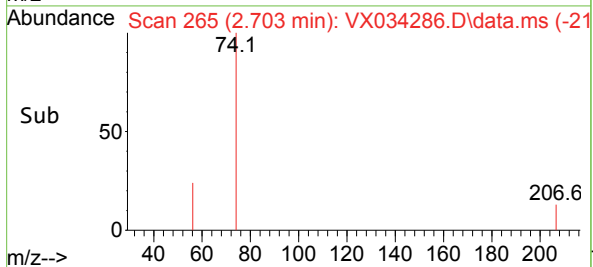
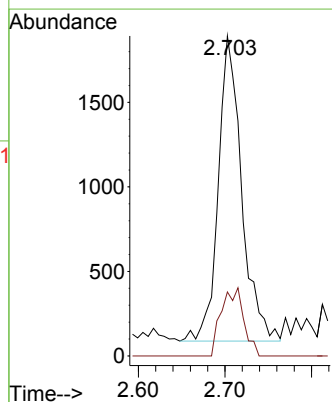
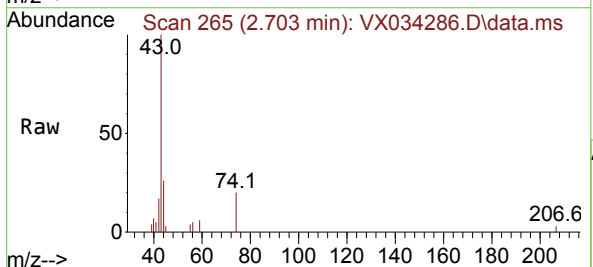
Instrument :
MSVOA_X
ClientSampleId :

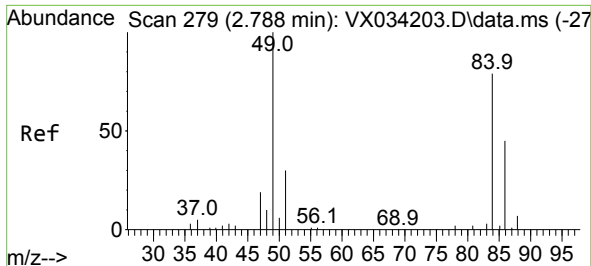
Tgt Ion: 43 Resp: 93919
Ion Ratio Lower Upper
43 100
58 31.2 22.6 33.8



#18
Methyl Acetate
Concen: 0.572 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

Tgt Ion: 43 Resp: 3389
Ion Ratio Lower Upper
43 100
74 21.4 18.2 27.4

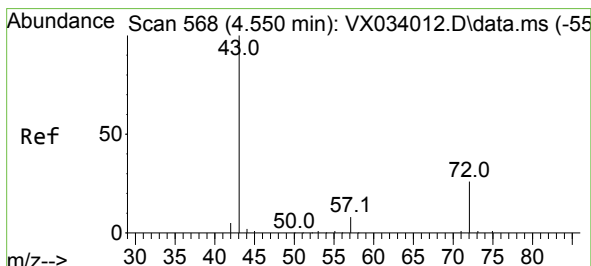
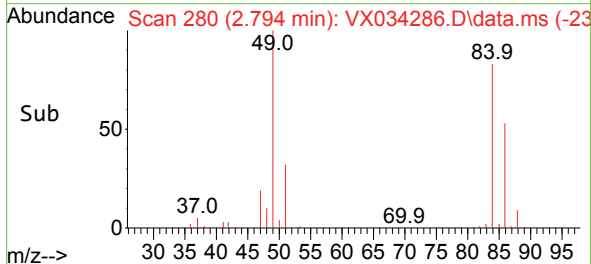
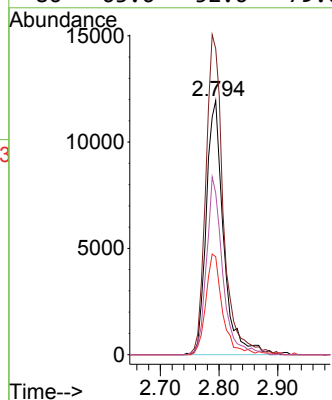
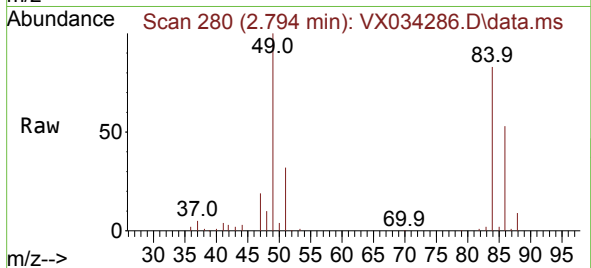




#20
Methylene Chloride
Concen: 7.102 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

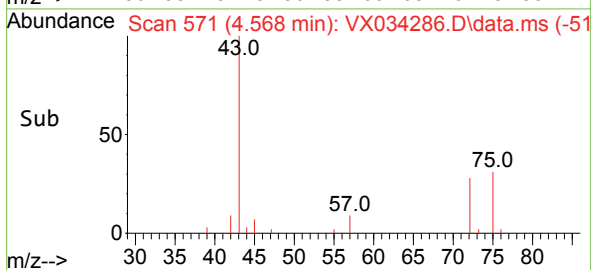
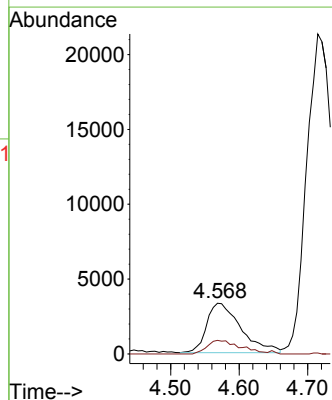
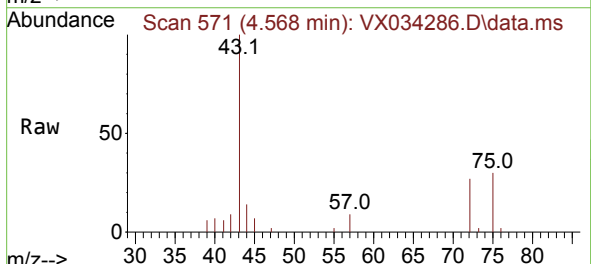
Instrument :
MSVOA_X
ClientSampleId :

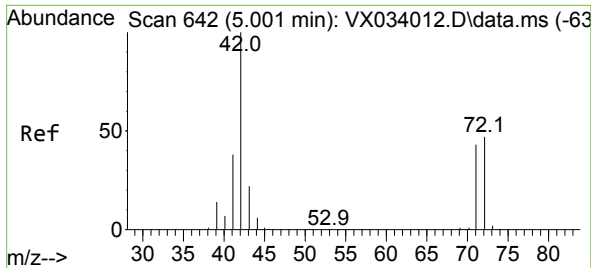
Tgt Ion: 84	Resp: 24484
Ion Ratio	Lower Upper
84 100	
49 120.4	101.1 151.7
51 38.5	31.0 46.6
86 63.6	52.6 79.0



#25
2-Butanone
Concen: 4.138 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

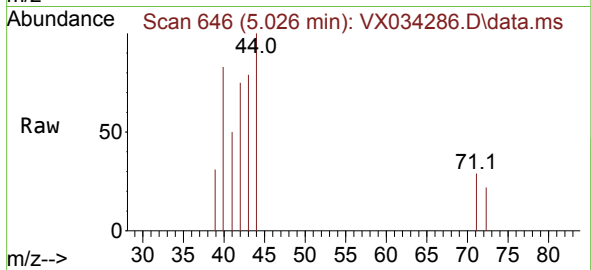
Tgt Ion: 43	Resp: 11456
Ion Ratio	Lower Upper
43 100	
72 27.6	19.4 29.2



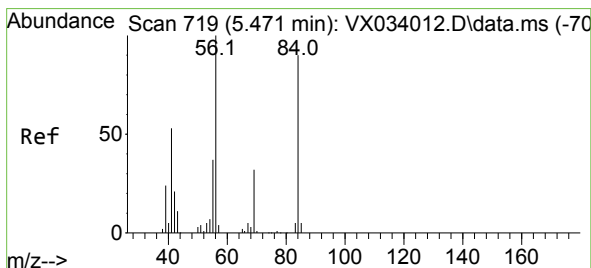
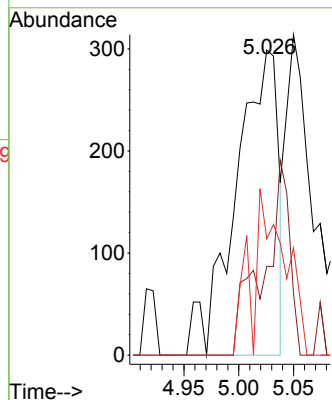
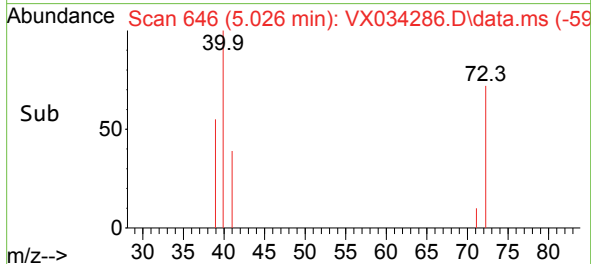


#29
Tetrahydrofuran
Concen: 0.479 ug/l
RT: 5.026 min Scan# 642
Delta R.T. 0.031 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

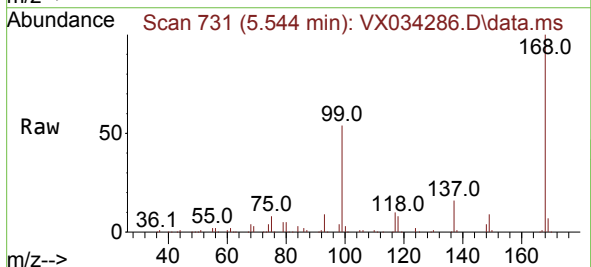
Instrument :
MSVOA_X
ClientSampleId :



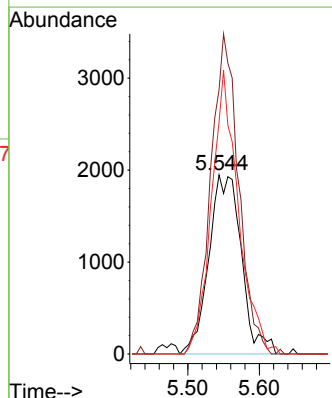
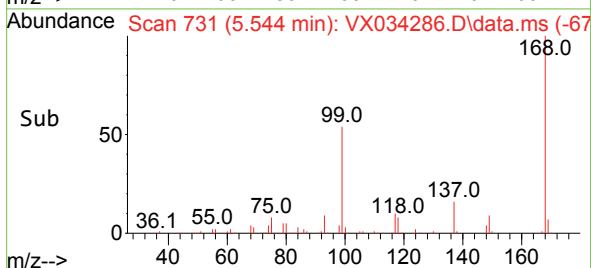
Tgt Ion: 42 Resp: 809
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 33.9 32.2 48.2

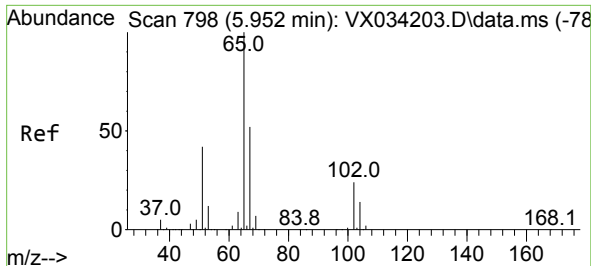


#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33



Tgt Ion: 56 Resp: 6164
Ion Ratio Lower Upper
56 100
69 147.7 24.6 37.0#
84 129.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.112 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034286.D

Acq: 01 Mar 2023 12:33

Instrument :

MSVOA_X

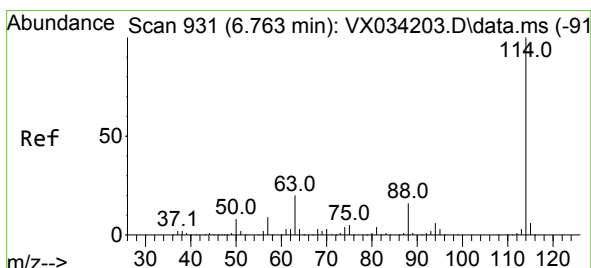
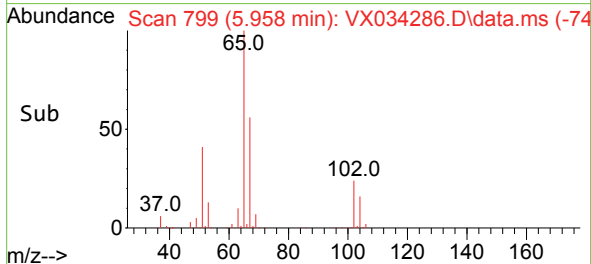
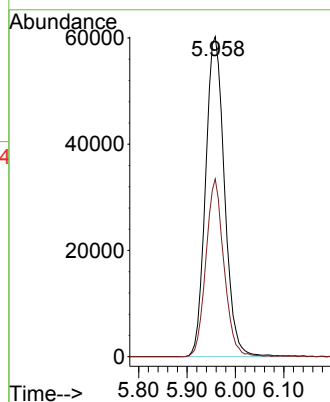
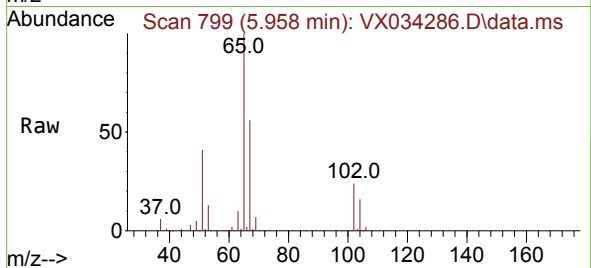
ClientSampleId :

Tgt Ion: 65 Resp: 163615

Ion Ratio Lower Upper

65 100

67 52.9 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: VX034286.D

Acq: 01 Mar 2023 12:33

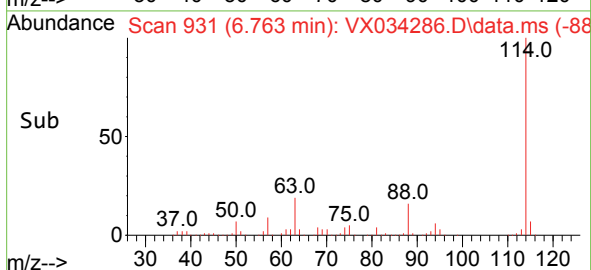
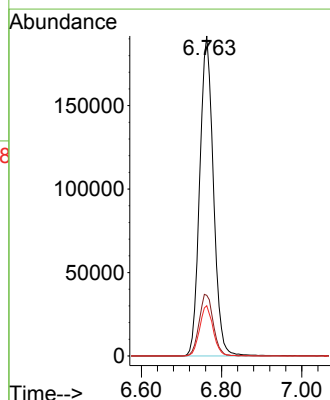
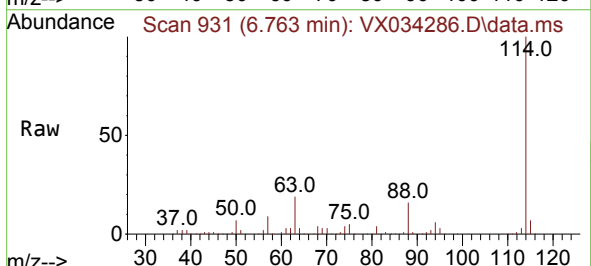
Tgt Ion: 114 Resp: 453133

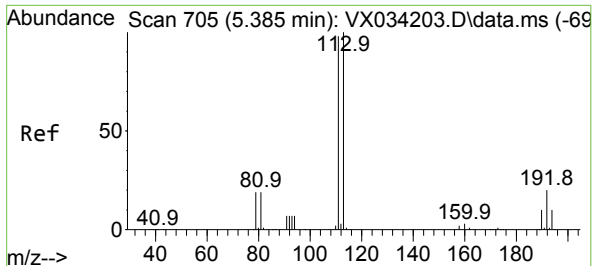
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

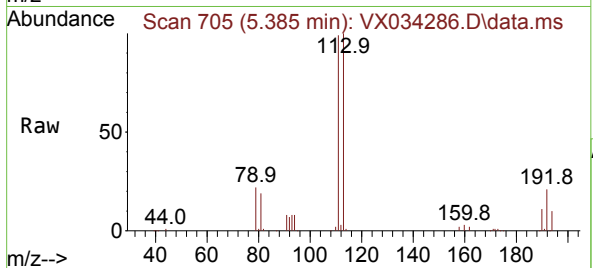
88 15.7 0.0 30.6



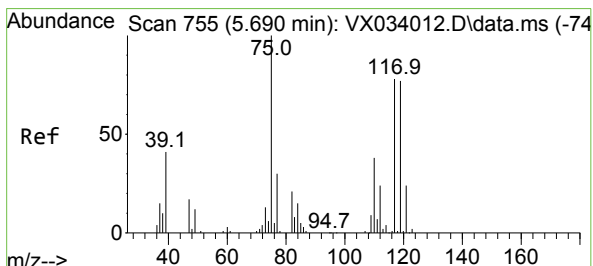
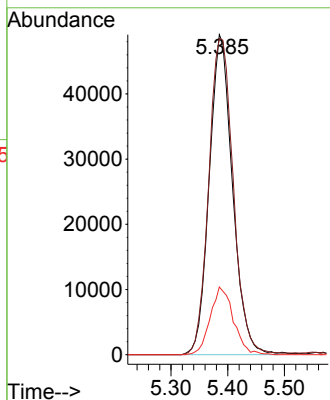
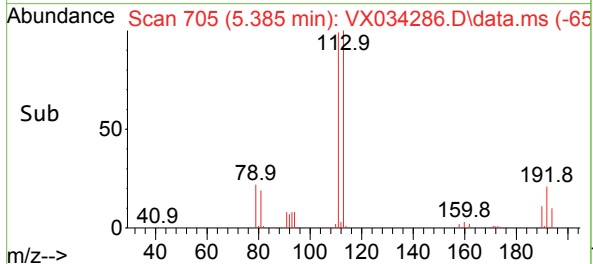


#35
Dibromofluoromethane
Concen: 47.365 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

Instrument :
MSVOA_X
ClientSampleId :

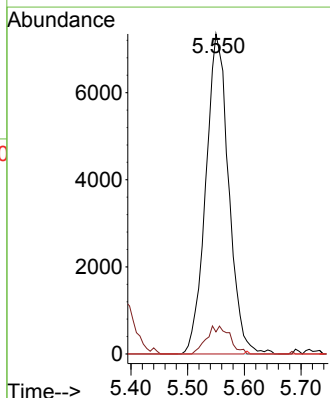
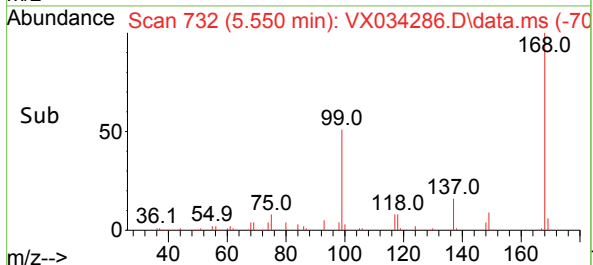
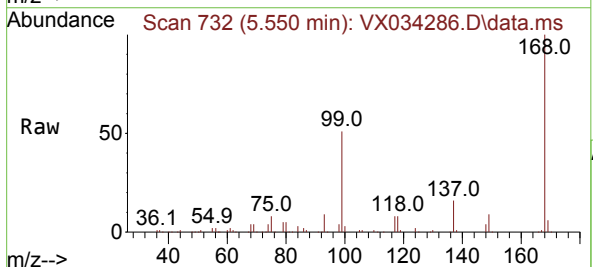


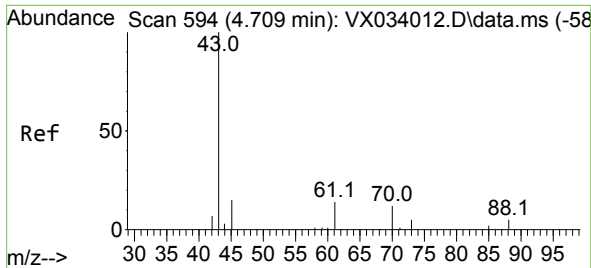
Tgt Ion:113 Resp: 139742
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.6
192 21.1 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.724 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

Tgt Ion: 75 Resp: 20612
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 12.926 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

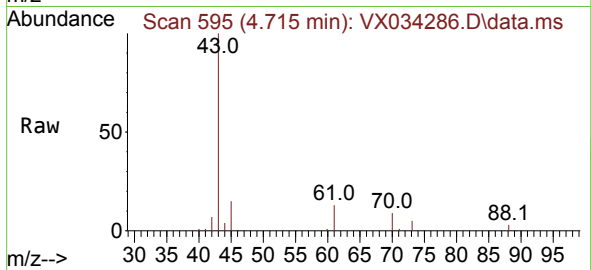
Lab File: VX034286.D

Acq: 01 Mar 2023 12:33

Instrument :

MSVOA_X

ClientSampleId :



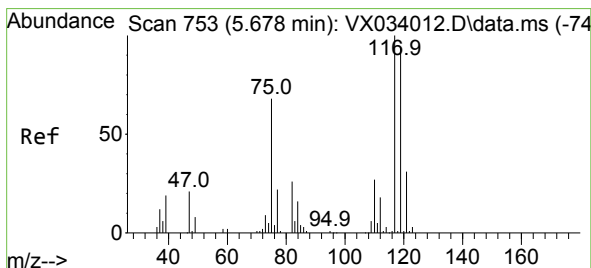
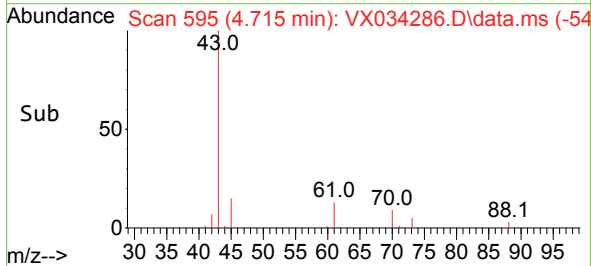
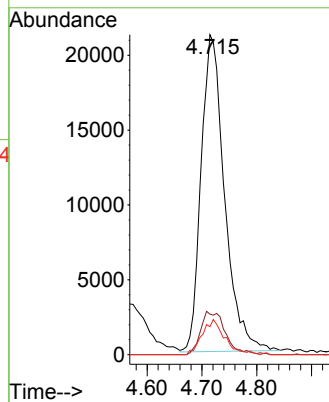
Tgt Ion: 43 Resp: 63030

Ion Ratio Lower Upper

43 100

61 14.2 11.1 16.7

70 10.7 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.686 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034286.D

Acq: 01 Mar 2023 12:33

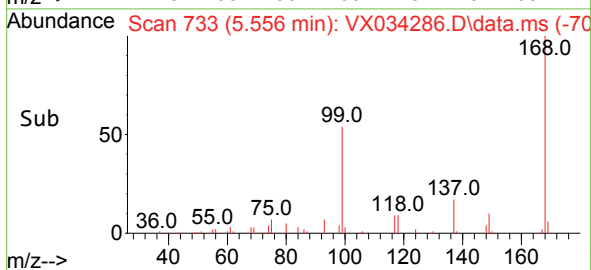
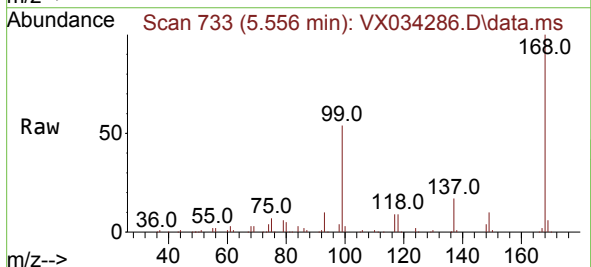
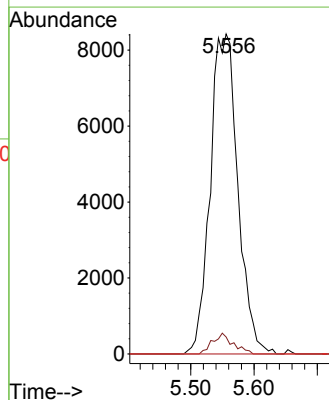
Tgt Ion: 117 Resp: 25528

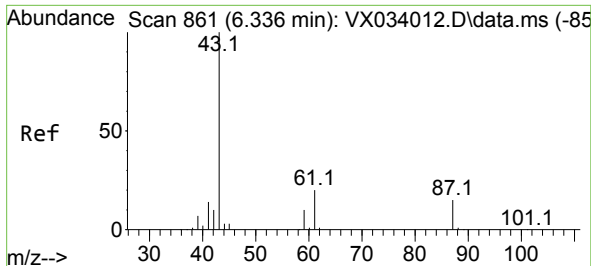
Ion Ratio Lower Upper

117 100

119 5.3 78.0 117.0#

121 0.0 24.4 36.6#

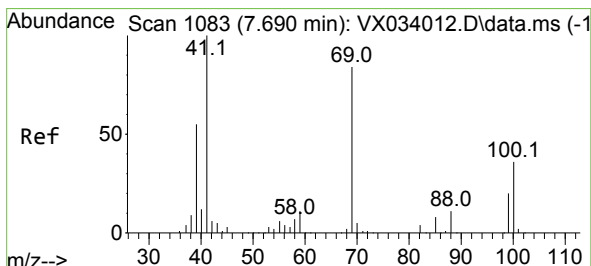
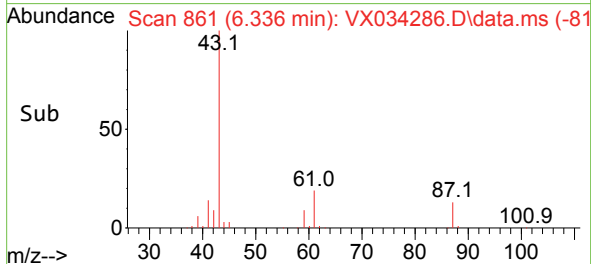
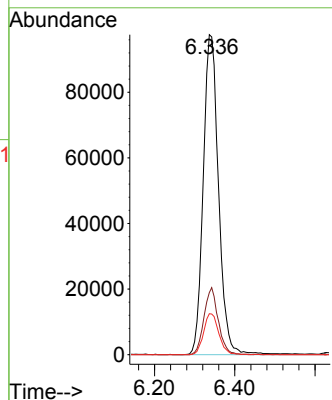
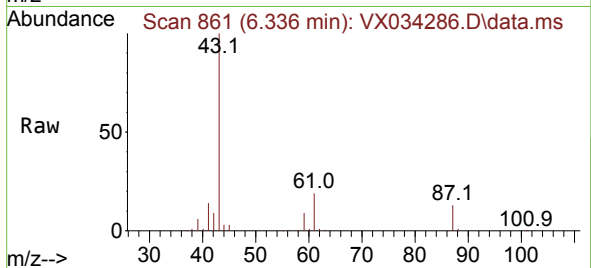




#43
Isopropyl Acetate
Concen: 29.998 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

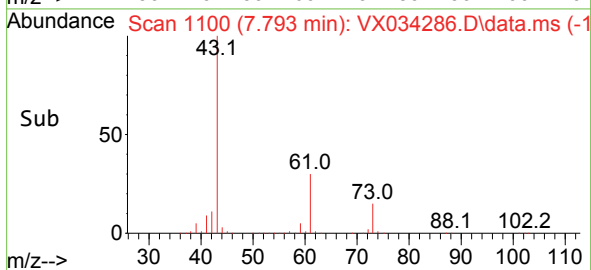
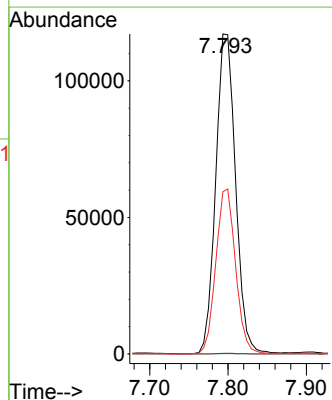
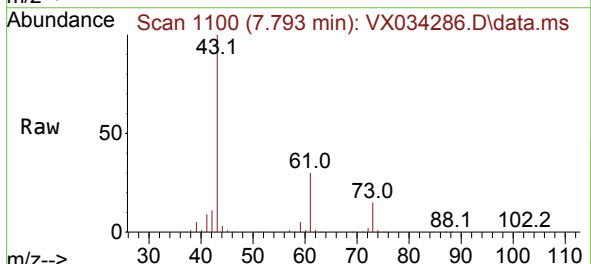
Instrument :
MSVOA_X
ClientSampleId :

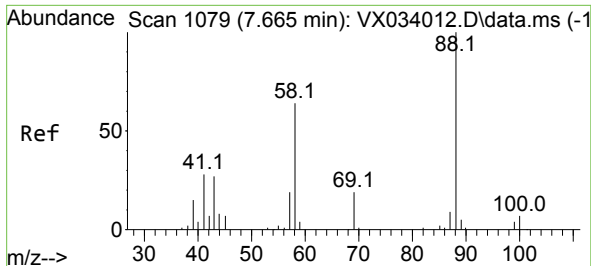
Tgt Ion: 43 Resp: 258138
Ion Ratio Lower Upper
43 100
61 19.5 15.7 23.5
87 12.7 10.6 15.8



#48
Methyl methacrylate
Concen: 50.526 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

Tgt Ion: 41 Resp: 206365
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.5 43.2 64.8





#49

1,4-Dioxane

Concen: 1.117 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.012 min

Lab File: VX034286.D

Acq: 01 Mar 2023 12:33

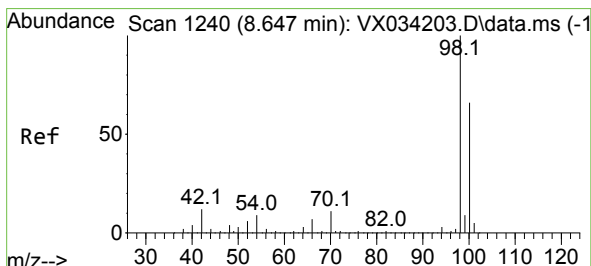
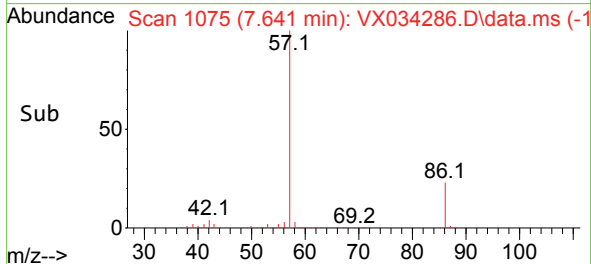
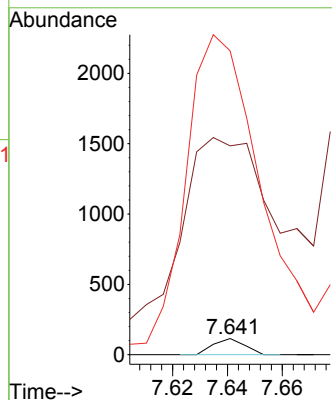
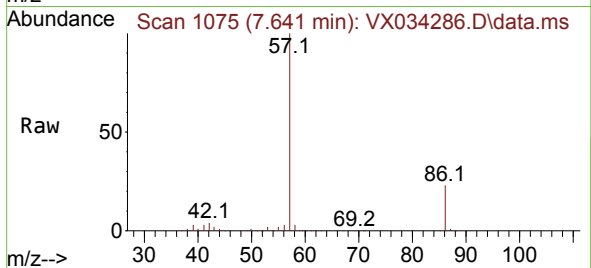
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 91

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	4853.8	56.5	84.7#



#50

Toluene-d8

Concen: 51.496 ug/l

RT: 8.647 min Scan# 1240

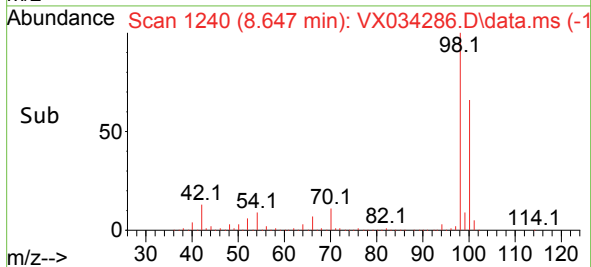
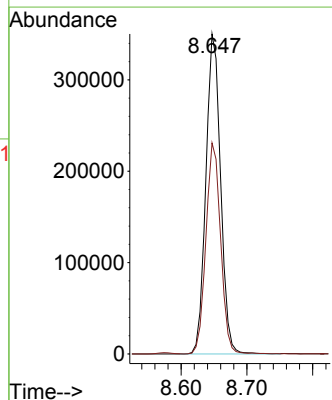
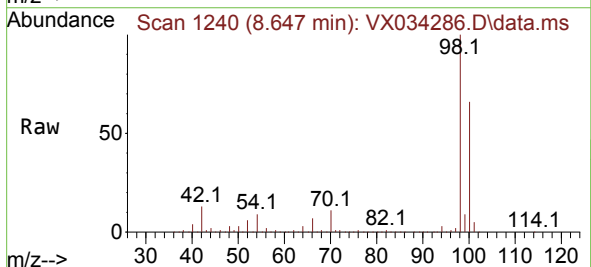
Delta R.T. 0.000 min

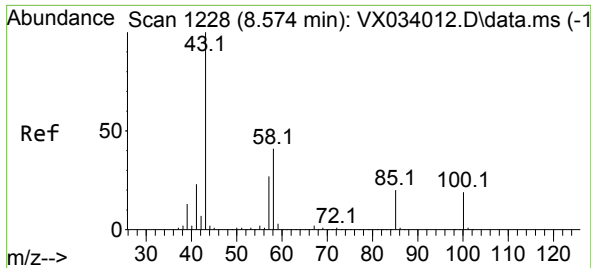
Lab File: VX034286.D

Acq: 01 Mar 2023 12:33

Tgt Ion: 98 Resp: 545486

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.6	80.4

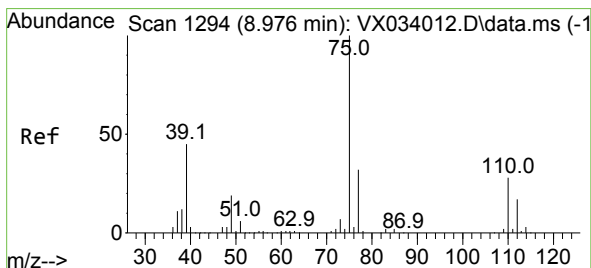
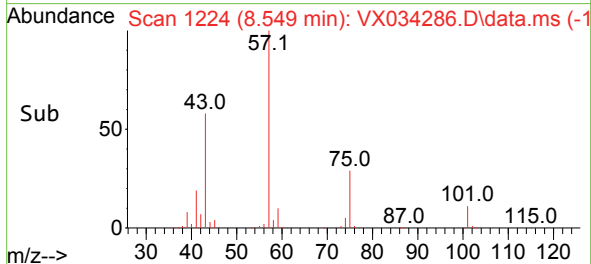
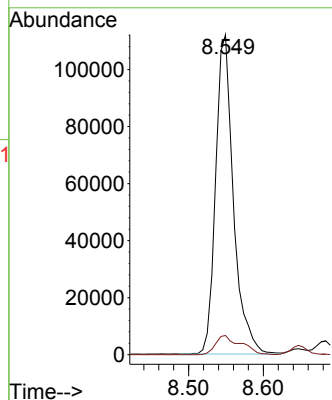
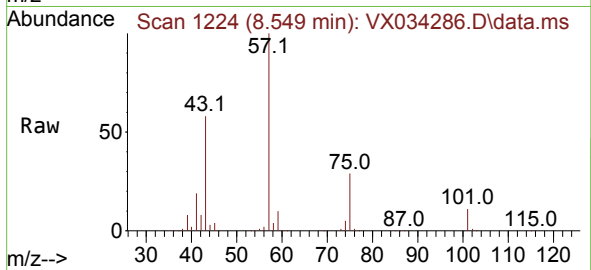




#51
4-Methyl-2-Pentanone
Concen: 39.074 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

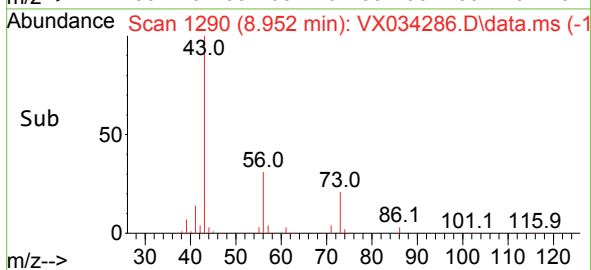
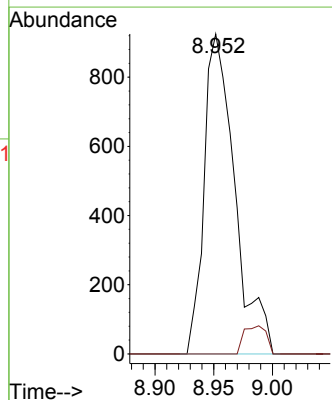
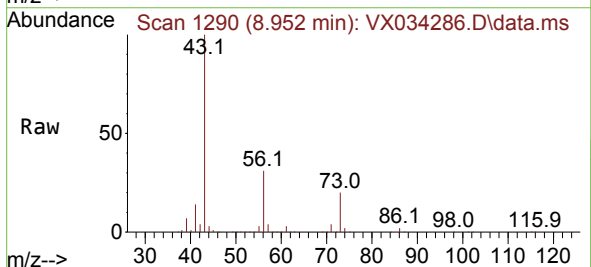
Instrument :
MSVOA_X
ClientSampleId :

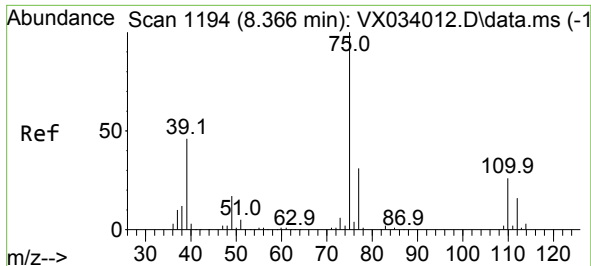
Tgt Ion: 43 Resp: 184989
Ion Ratio Lower Upper
43 100
58 8.6 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.314 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

Tgt Ion: 75 Resp: 1679
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

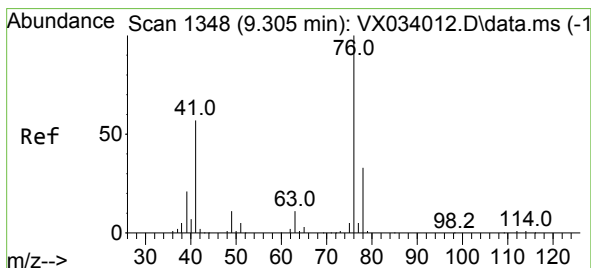
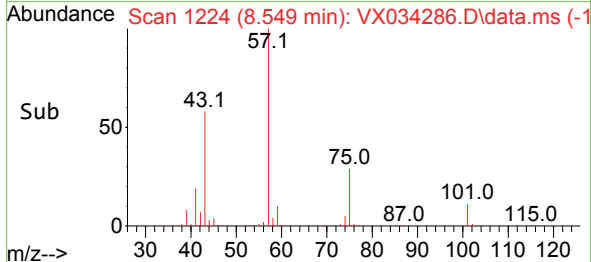
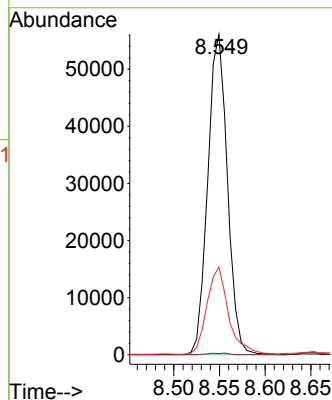
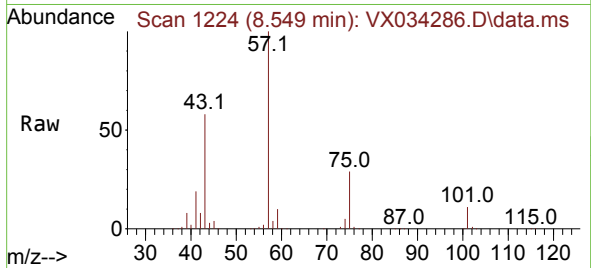




#54
cis-1,3-Dichloropropene
Concen: 14.580 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

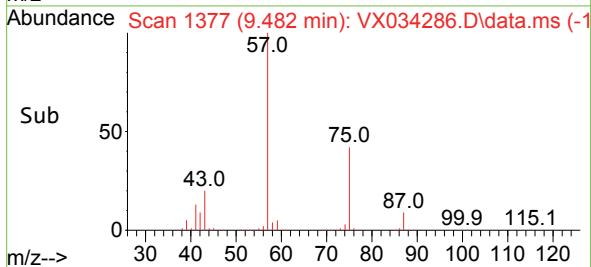
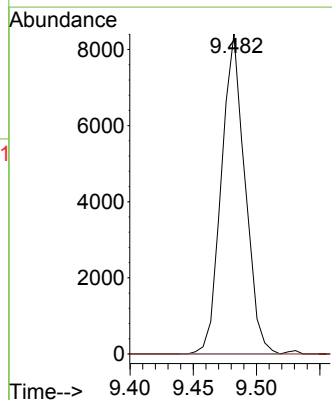
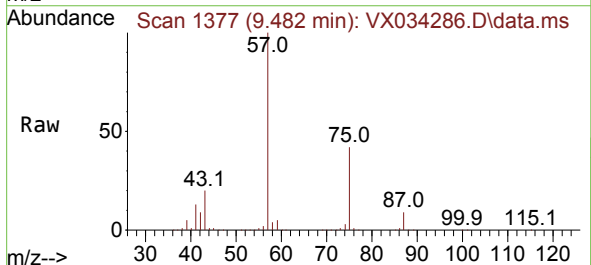
Instrument :
MSVOA_X
ClientSampleId :

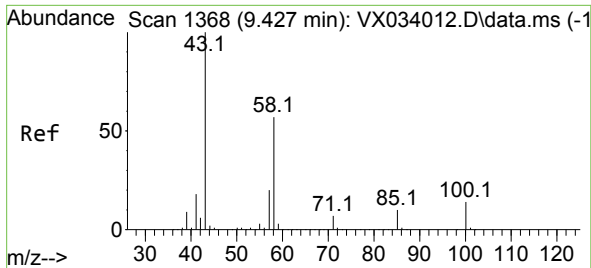
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.0	37.6#
39	27.3	38.6	58.0#



#57
1,3-Dichloropropane
Concen: 1.982 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

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

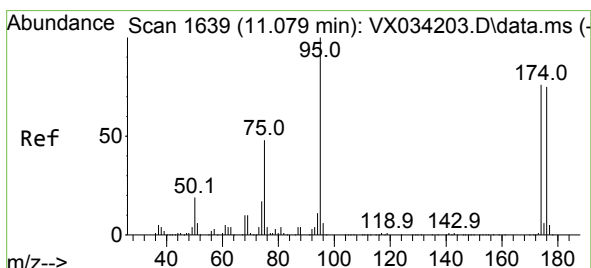
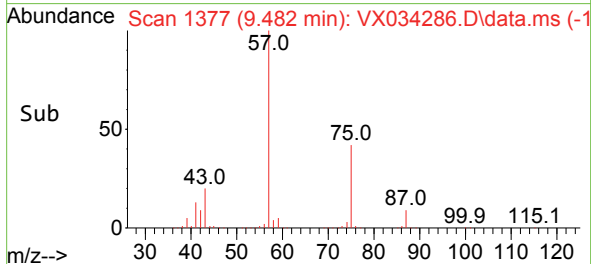
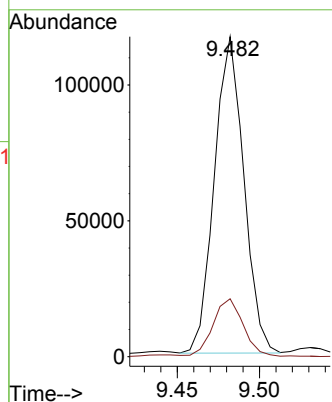
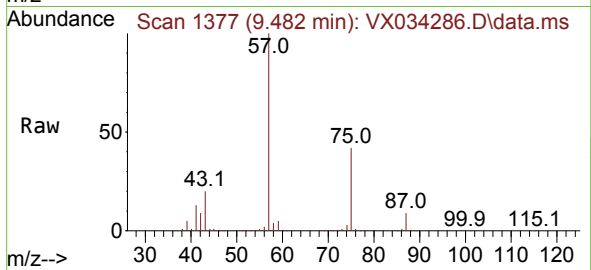




#59
2-Hexanone
Concen: 40.281 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

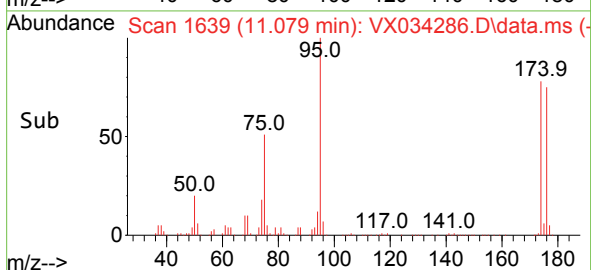
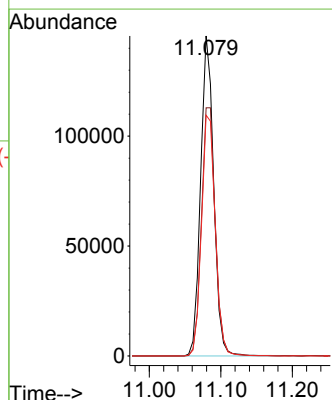
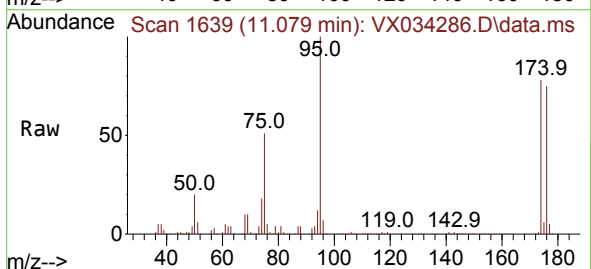
Instrument :
MSVOA_X
ClientSampleId :

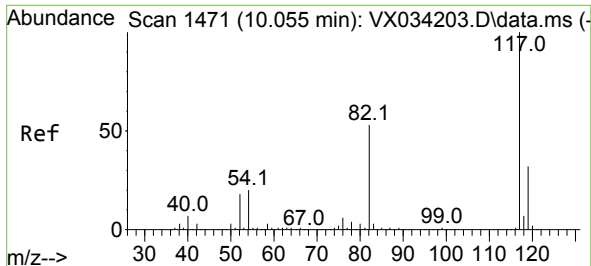
Tgt Ion: 43 Resp: 145338
Ion Ratio Lower Upper
43 100
58 19.1 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 45.560 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

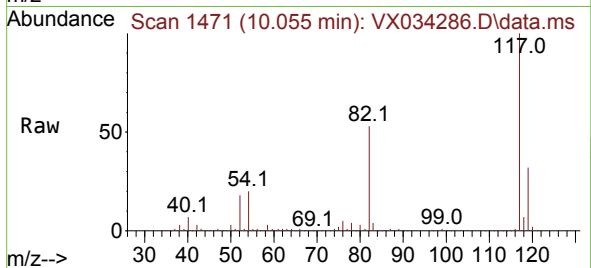
Tgt Ion: 95 Resp: 184598
Ion Ratio Lower Upper
95 100
174 82.5 0.0 184.4
176 79.5 0.0 178.8



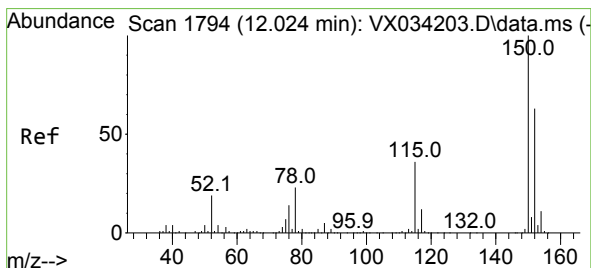
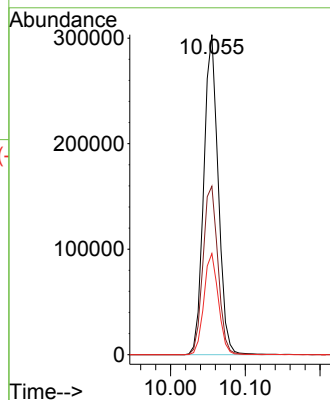
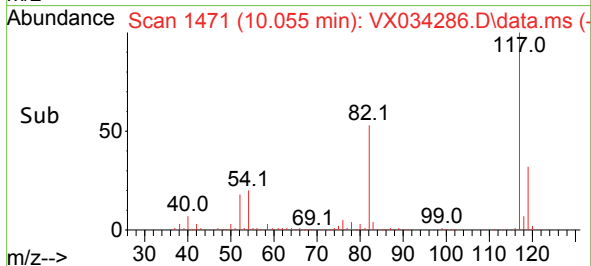


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33

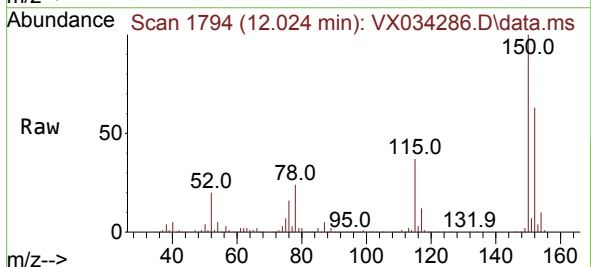
Instrument :
MSVOA_X
ClientSampleId :



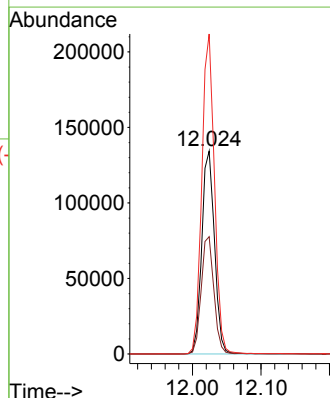
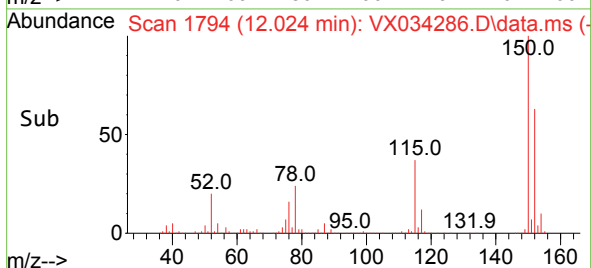
Tgt Ion:117 Resp: 405883
Ion Ratio Lower Upper
117 100
82 52.7 40.6 60.8
119 31.6 25.6 38.4

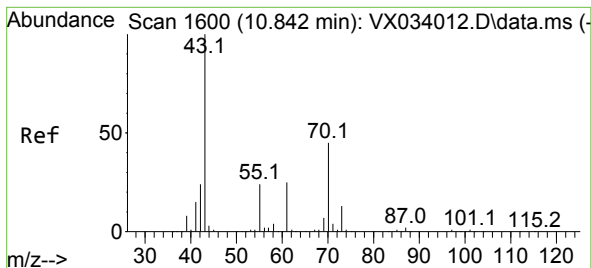


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034286.D
Acq: 01 Mar 2023 12:33



Tgt Ion:152 Resp: 174248
Ion Ratio Lower Upper
152 100
115 57.7 38.7 116.1
150 156.0 0.0 348.2





#74

N-amy1 acetate

Concen: 8.574 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

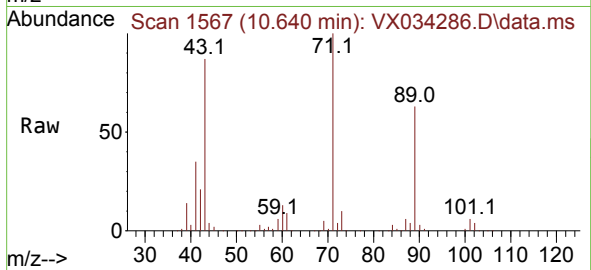
Lab File: VX034286.D

Acq: 01 Mar 2023 12:33

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 57201

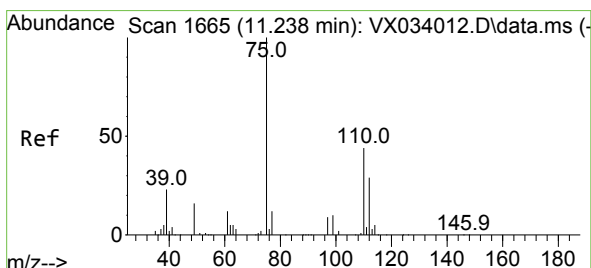
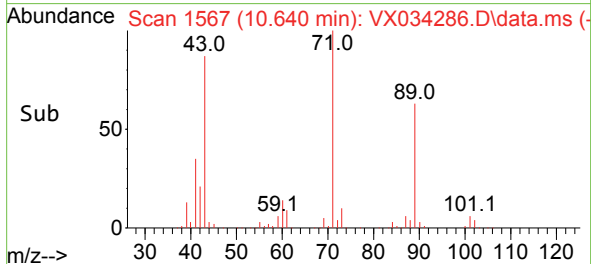
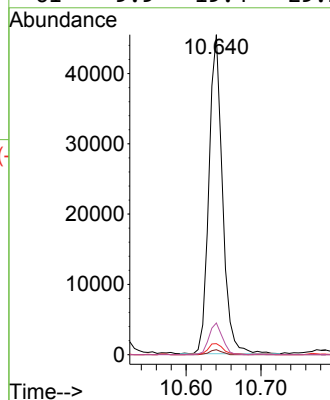
Ion Ratio Lower Upper

43 100

70 1.4 34.8 52.2#

55 4.1 19.4 29.0#

61 9.9 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 21.096 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034286.D

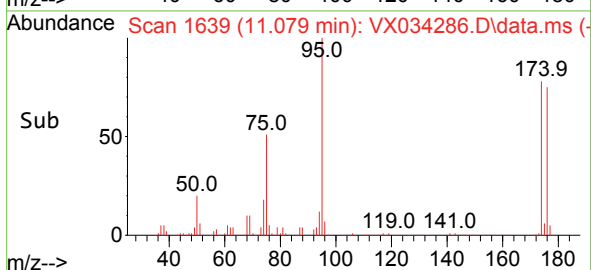
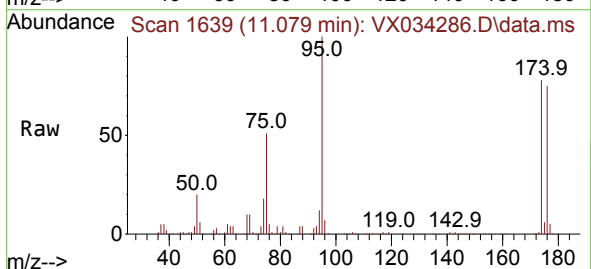
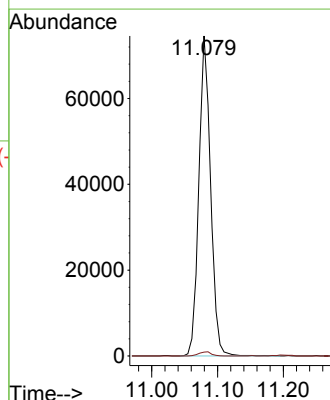
Acq: 01 Mar 2023 12:33

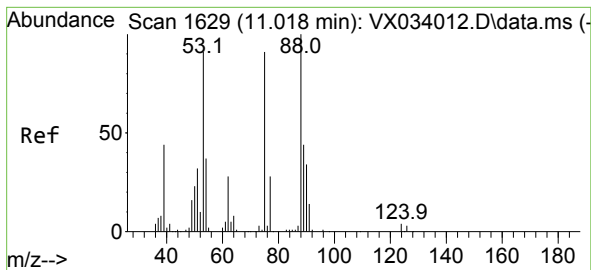
Tgt Ion: 75 Resp: 92498

Ion Ratio Lower Upper

75 100

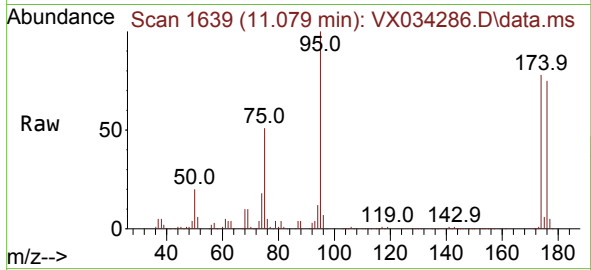
77 1.4 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.194 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034286.D
 Acq: 01 Mar 2023 12:33

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 92498
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

