

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030123\
 Data File : VX034289.D
 Acq On : 01 Mar 2023 13:44
 Operator : JC/MD
 Sample : 01739-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 02 00:42:30 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)

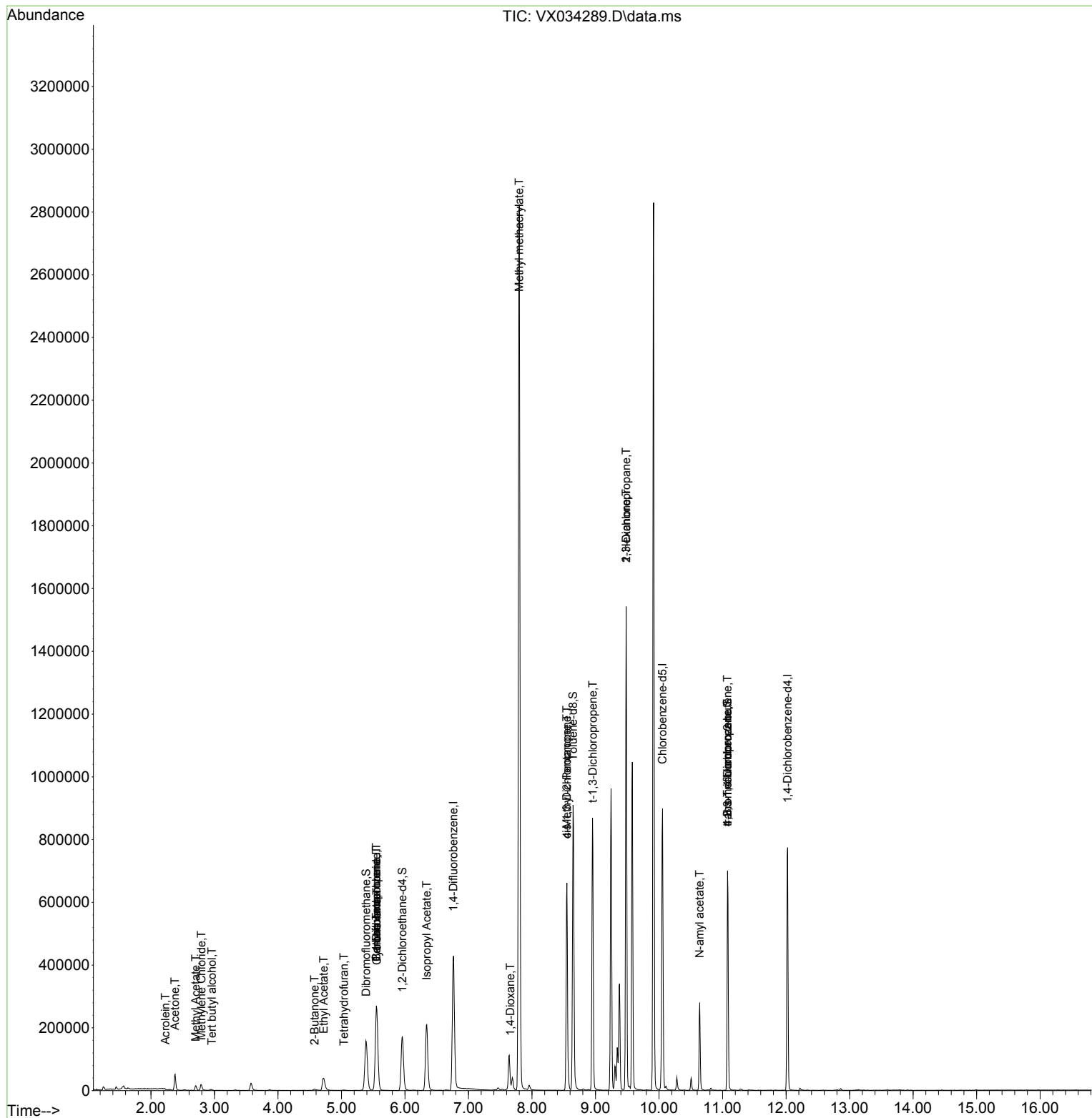
Internal Standards						
1) Pentafluorobenzene	5.550	168	267846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	440824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	396605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160706	44.551	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.100%		
35) Dibromofluoromethane	5.385	113	138928	48.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.800%		
50) Toluene-d8	8.647	98	529227	51.356	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.720%		
62) 4-Bromofluorobenzene	11.079	95	181484	46.042	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.080%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	288	Below Cal	#	57
11) Tert butyl alcohol	2.959	59	2200	2.727	ug/l	99
13) Acrolein	2.227	56	499	1.355	ug/l	87
16) Acetone	2.380	43	54218	29.137	ug/l	# 88
18) Methyl Acetate	2.703	43	19254	3.344	ug/l	98
20) Methylene Chloride	2.794	84	9457	2.821	ug/l	88
25) 2-Butanone	4.574	43	6019	2.236	ug/l	# 83
29) Tetrahydrofuran	5.038	42	996	0.606	ug/l	# 89
31) Cyclohexane	5.556	56	5541	1.029	ug/l	# 10
36) 1,1-Dichloropropene	5.550	75	19900	4.688	ug/l	# 47
37) Ethyl Acetate	4.721	43	73084	15.406	ug/l	99
38) Carbon Tetrachloride	5.550	117	25355	5.805	ug/l	# 14
43) Isopropyl Acetate	6.342	43	301968	36.071	ug/l	100
48) Methyl methacrylate	7.799	41	234780	59.089	ug/l	# 45
49) 1,4-Dioxane	7.659	88	77	0.972	ug/l	# 14
51) 4-Methyl-2-Pentanone	8.549	43	226334	49.142	ug/l	# 49
53) t-1,3-Dichloropropene	8.958	75	1833	0.352	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	104934	18.828	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	13147	2.456	ug/l	# 43
59) 2-Hexanone	9.482	43	178957	50.984	ug/l	# 51
74) N-amyl acetate	10.640	43	75402	11.564	ug/l	# 51
76) 1,2,3-Trichloropropane	11.079	75	91549	21.364	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	91549	54.883	ug/l	# 8

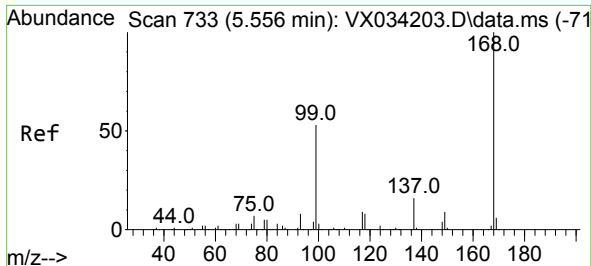
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

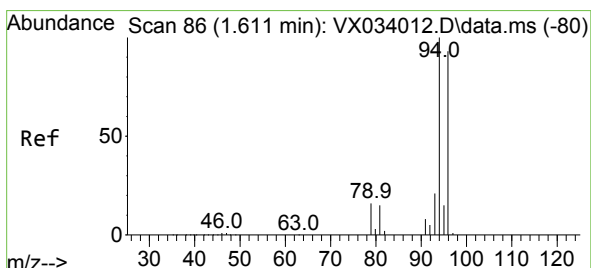
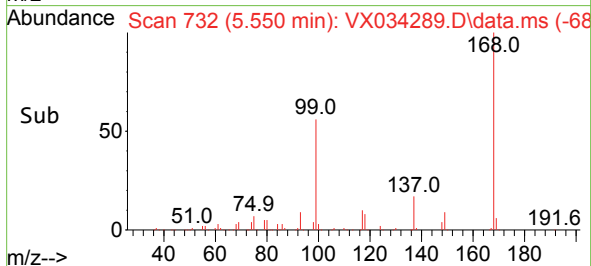
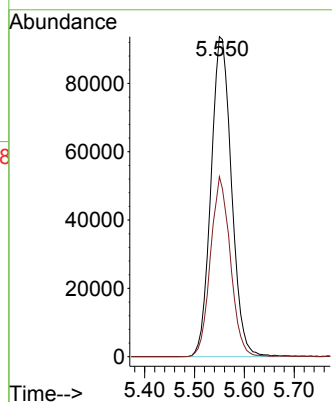
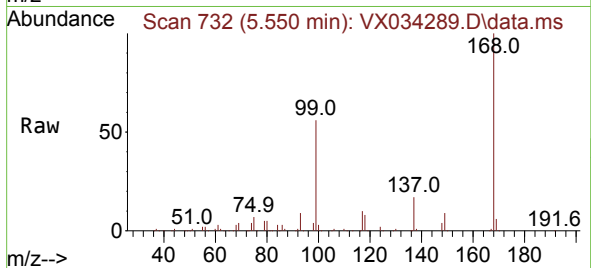




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

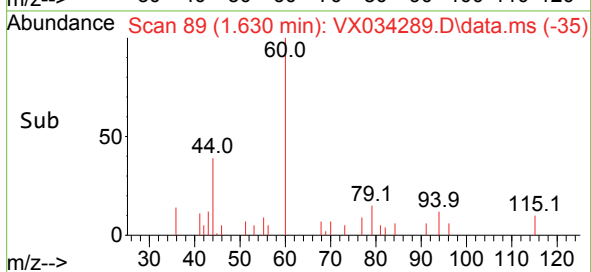
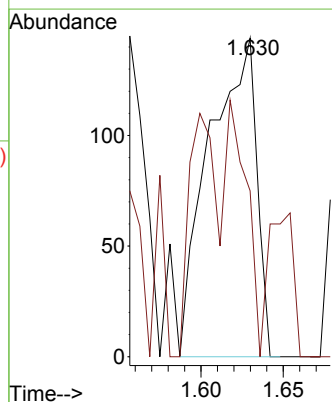
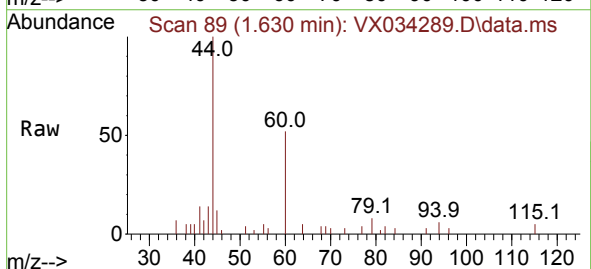
Instrument :
MSVOA_X
ClientSampleId :

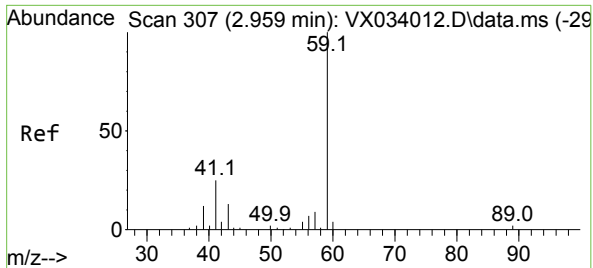
Tgt Ion:168 Resp: 267846
Ion Ratio Lower Upper
168 100
99 56.2 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 52.1 74.3 111.5#





#11

Tert butyl alcohol

Concen: 2.727 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.006 min

Lab File: VX034289.D

Acq: 01 Mar 2023 13:44

Instrument :

MSVOA_X

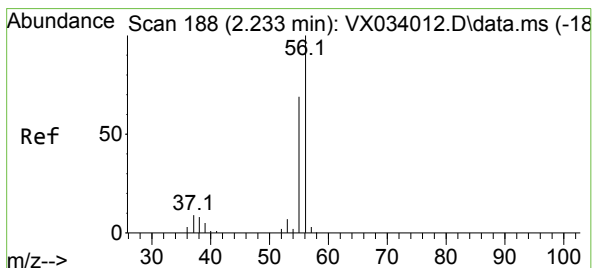
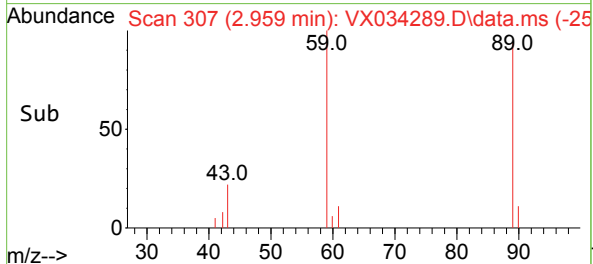
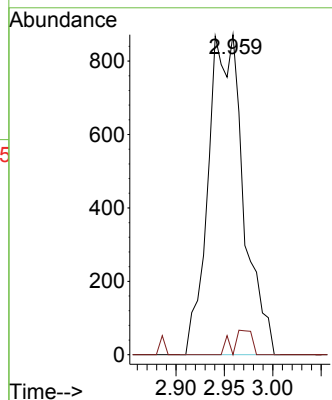
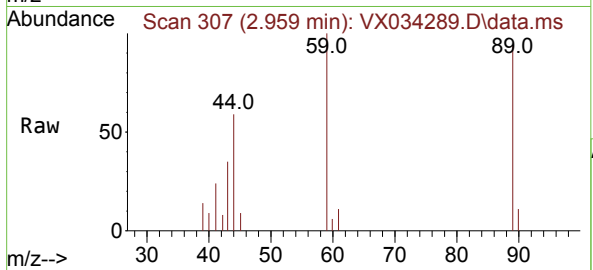
ClientSampleId :

Tgt Ion: 59 Resp: 2200

Ion Ratio Lower Upper

59 100

57 4.1 3.7 5.5



#13

Acrolein

Concen: 1.355 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX034289.D

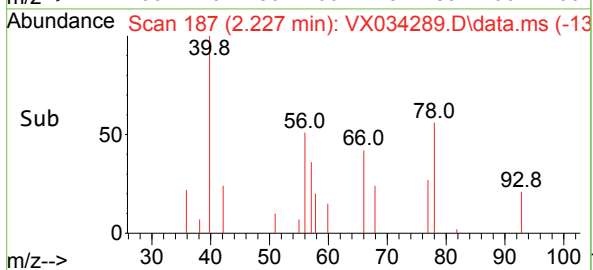
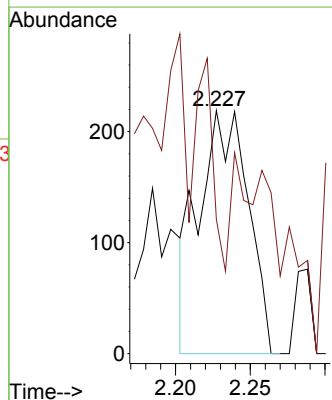
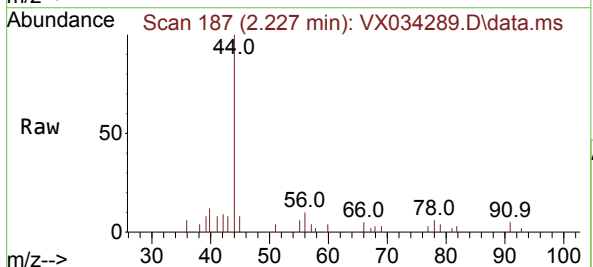
Acq: 01 Mar 2023 13:44

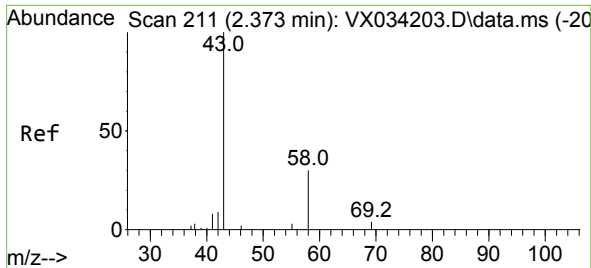
Tgt Ion: 56 Resp: 499

Ion Ratio Lower Upper

56 100

55 81.4 56.3 84.5

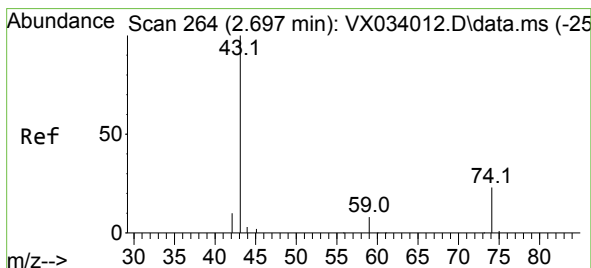
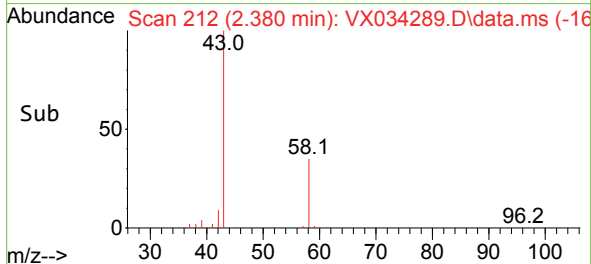
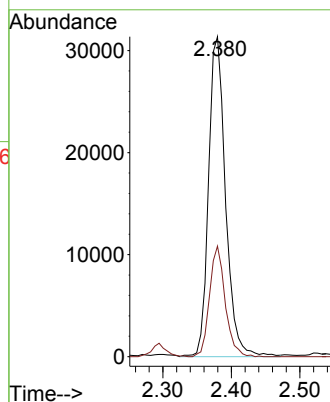
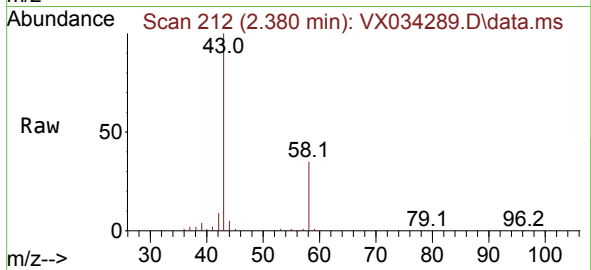




#16
Acetone
Concen: 29.137 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

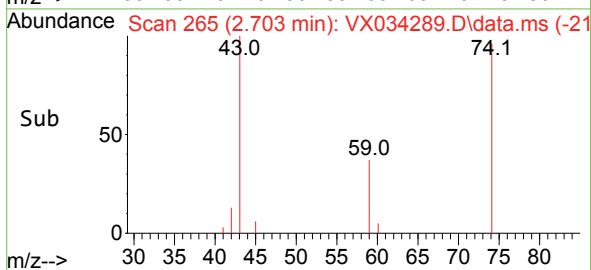
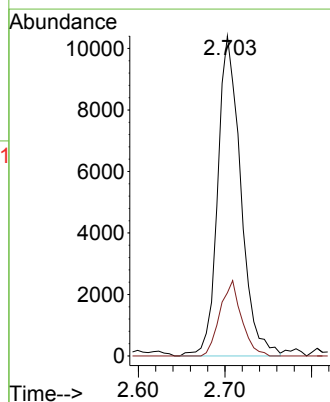
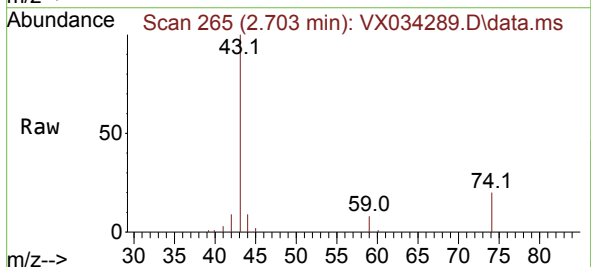
Instrument :
MSVOA_X
ClientSampleId :

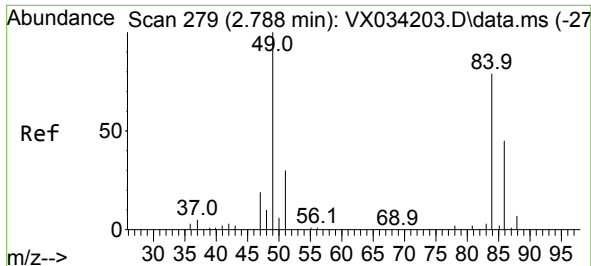
Tgt Ion: 43 Resp: 54218
Ion Ratio Lower Upper
43 100
58 34.6 22.6 33.8#



#18
Methyl Acetate
Concen: 3.344 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

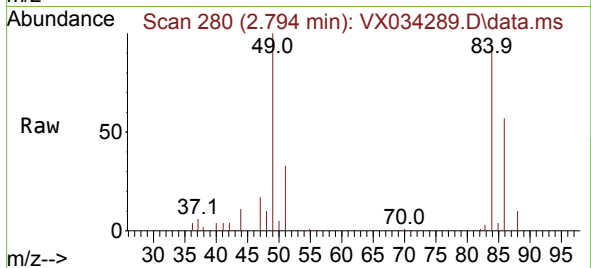
Tgt Ion: 43 Resp: 19254
Ion Ratio Lower Upper
43 100
74 22.0 18.2 27.4





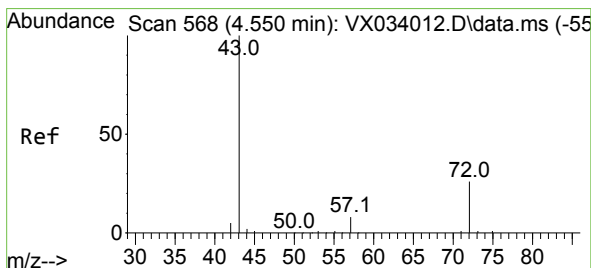
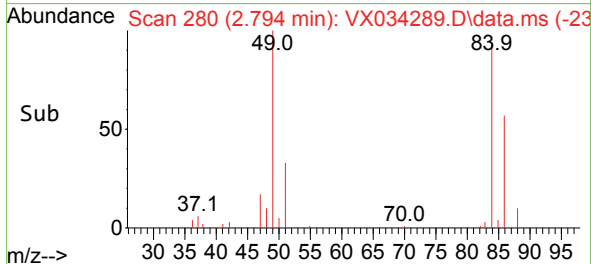
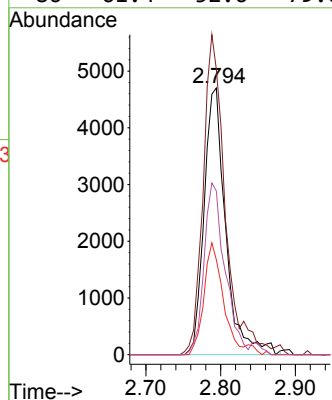
#20
Methylene Chloride
Concen: 2.821 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 9457

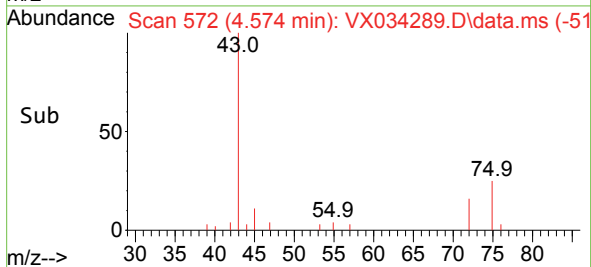
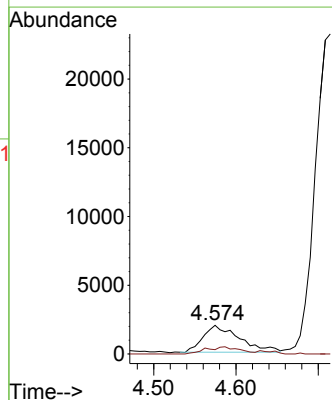
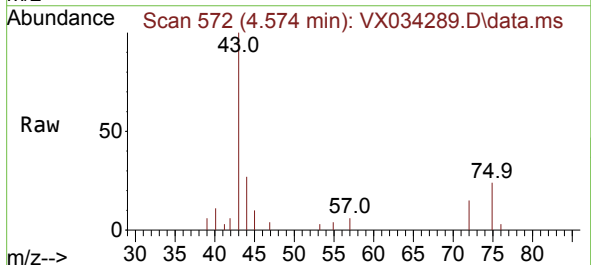
Ion	Ratio	Lower	Upper
84	100		
49	106.9	101.1	151.7
51	35.6	31.0	46.6
86	61.4	52.6	79.0

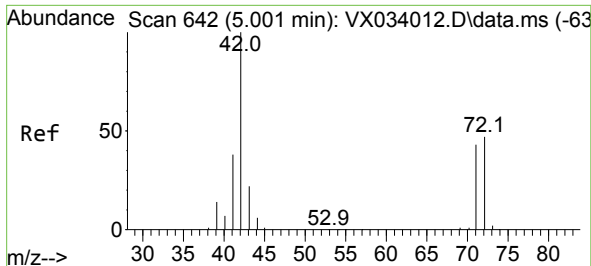


#25
2-Butanone
Concen: 2.236 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Tgt Ion: 43 Resp: 6019

Ion	Ratio	Lower	Upper
43	100		
72	15.9	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.606 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.043 min

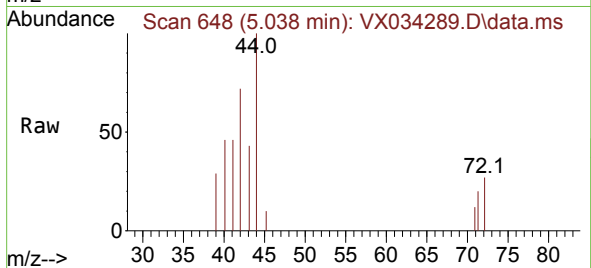
Lab File: VX034289.D

Acq: 01 Mar 2023 13:44

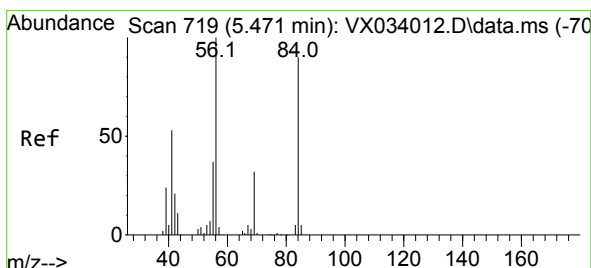
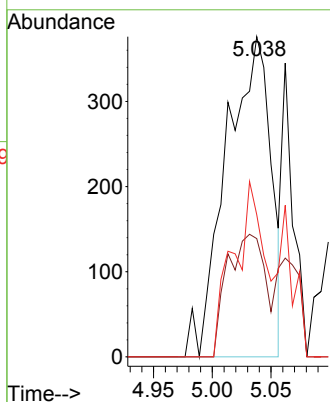
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	996
Ion Ratio	Lower	Upper	
42	100		
72	32.2	34.8	52.2#
71	37.4	32.2	48.2



#31

Cyclohexane

Concen: 1.029 ug/l

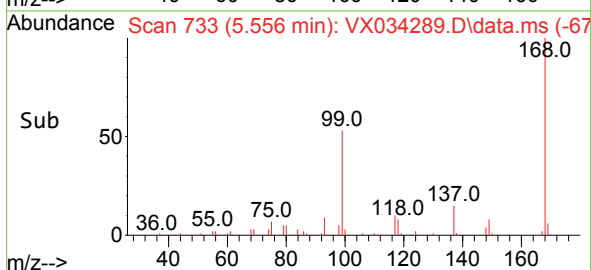
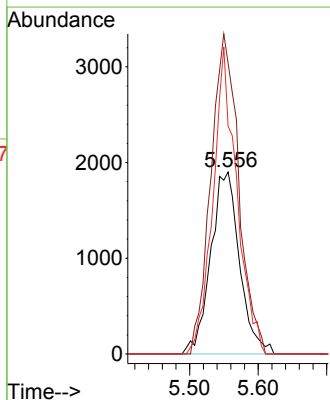
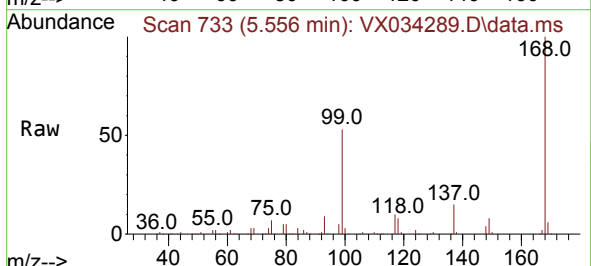
RT: 5.556 min Scan# 733

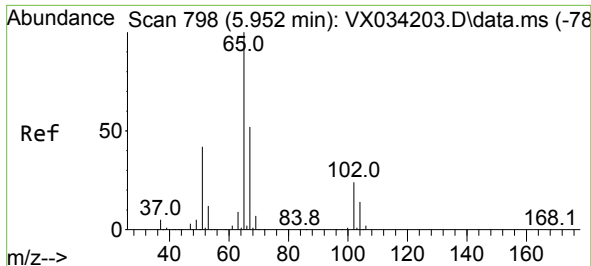
Delta R.T. 0.086 min

Lab File: VX034289.D

Acq: 01 Mar 2023 13:44

Tgt Ion:	56	Resp:	5541
Ion Ratio	Lower	Upper	
56	100		
69	159.8	24.6	37.0#
84	125.2	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.551 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034289.D

Acq: 01 Mar 2023 13:44

Instrument :

MSVOA_X

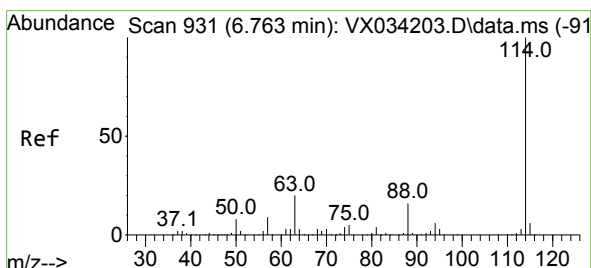
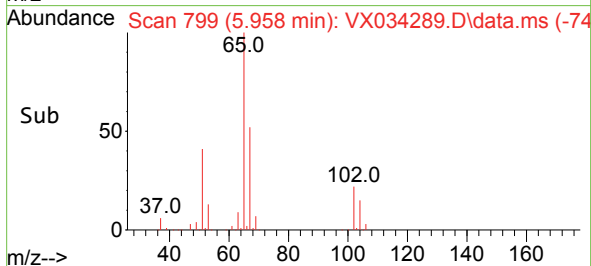
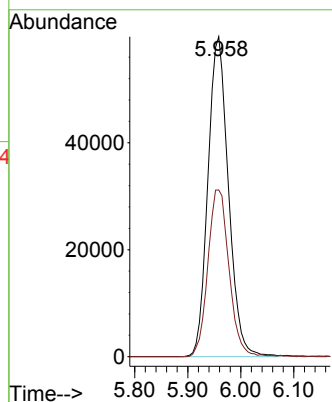
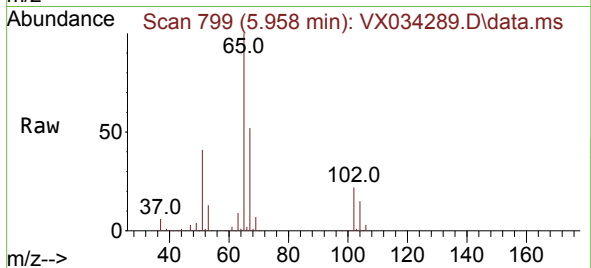
ClientSampleId :

Tgt Ion: 65 Resp: 160706

Ion Ratio Lower Upper

65 100

67 53.8 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: VX034289.D

Acq: 01 Mar 2023 13:44

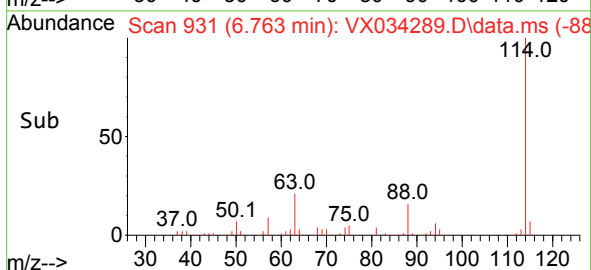
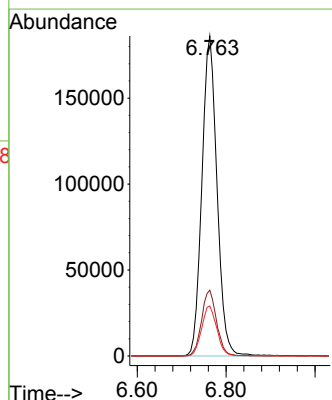
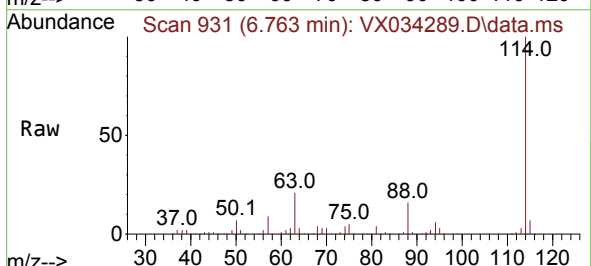
Tgt Ion: 114 Resp: 440824

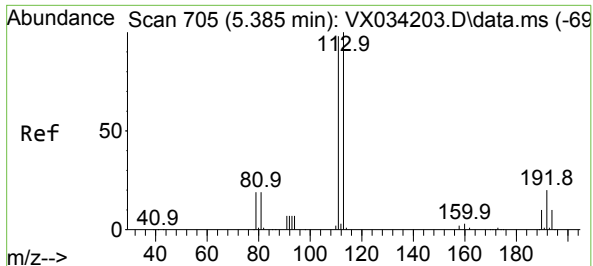
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.6 0.0 30.6

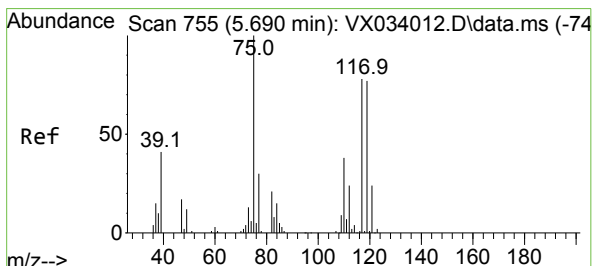
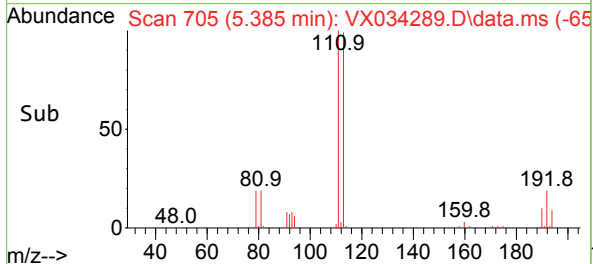
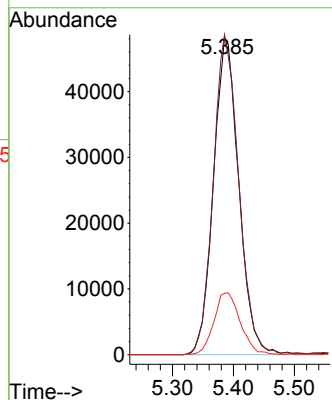
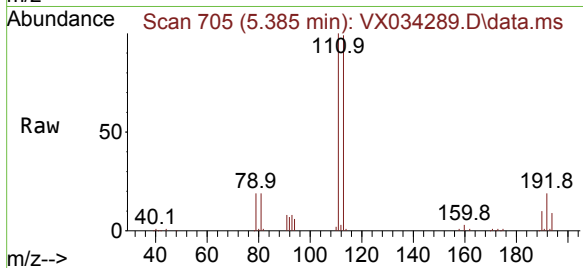




#35
Dibromofluoromethane
Concen: 48.404 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

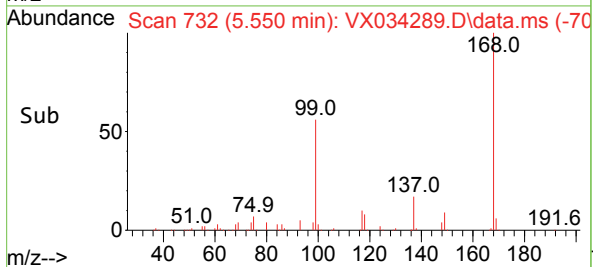
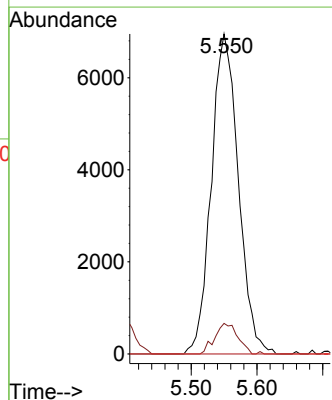
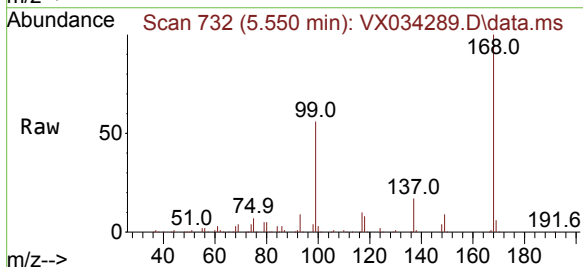
Instrument :
MSVOA_X
ClientSampleId :

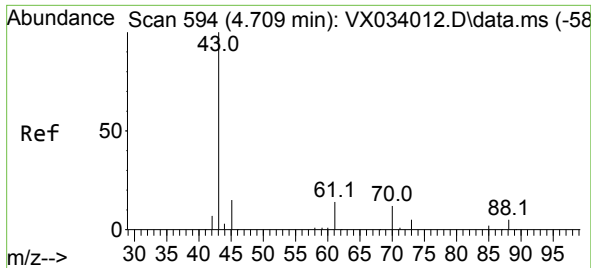
Tgt Ion:113 Resp: 138928
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 20.4 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Tgt Ion: 75 Resp: 19900
Ion Ratio Lower Upper
75 100
110 8.1 18.8 56.4#
77 0.0 25.1 37.7#

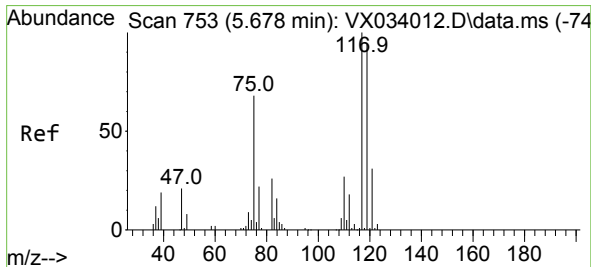
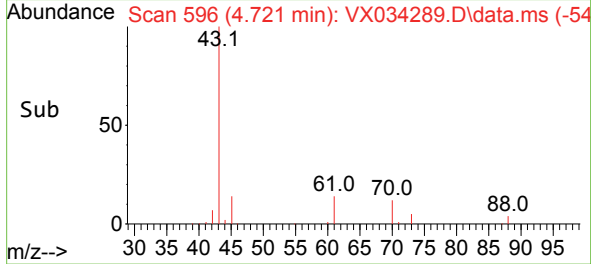
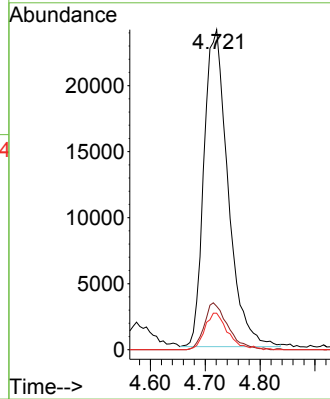
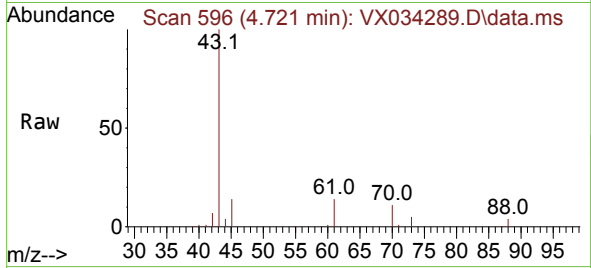




#37
Ethyl Acetate
Concen: 15.406 ug/l
RT: 4.721 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

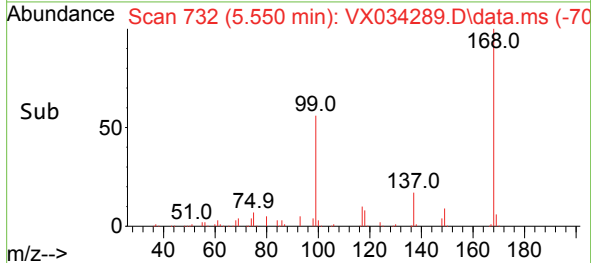
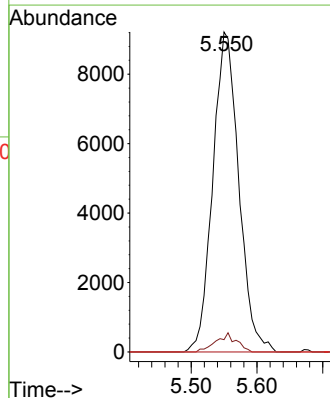
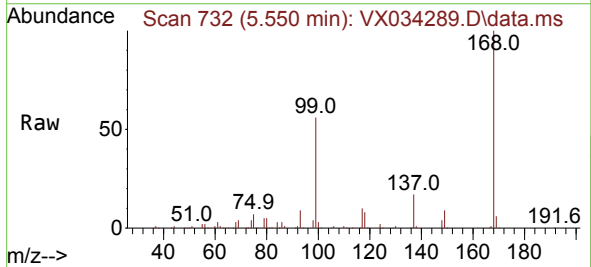
Instrument :
MSVOA_X
ClientSampleId :

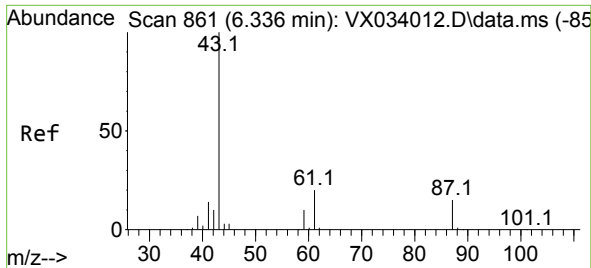
Tgt Ion: 43 Resp: 73084
Ion Ratio Lower Upper
43 100
61 14.4 11.1 16.7
70 11.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 5.805 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Tgt Ion: 117 Resp: 25355
Ion Ratio Lower Upper
117 100
119 3.8 78.0 117.0#
121 0.0 24.4 36.6#

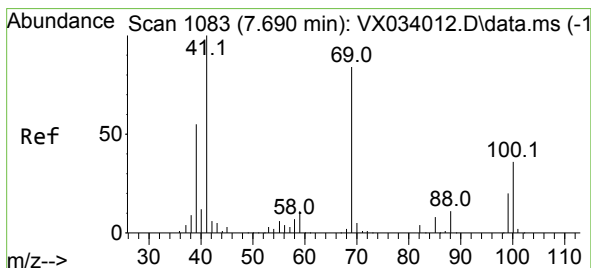
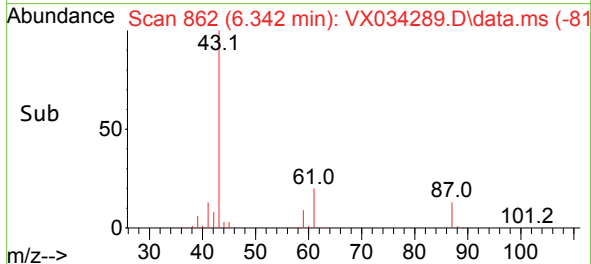
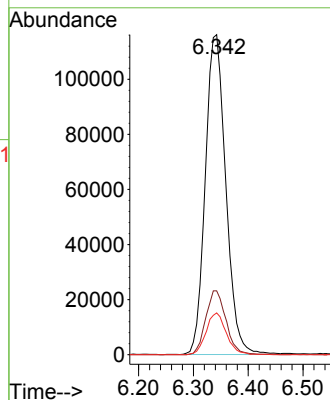
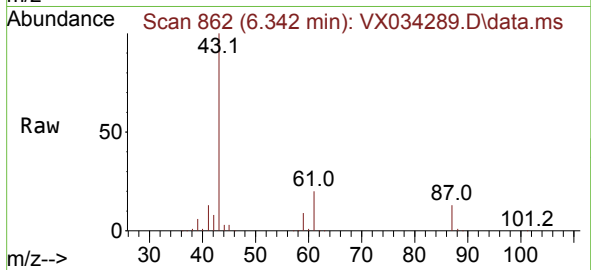




#43
Isopropyl Acetate
Concen: 36.071 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

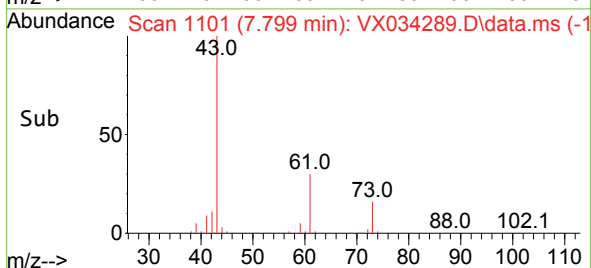
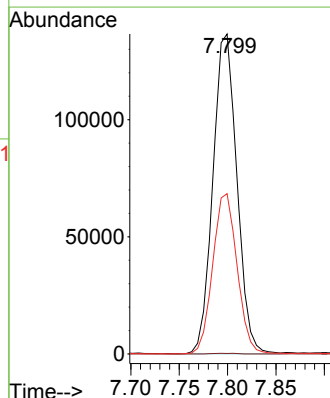
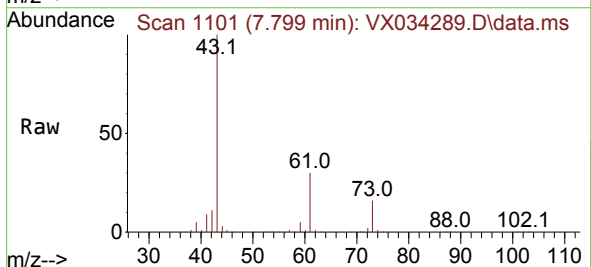
Instrument :
MSVOA_X
ClientSampleId :

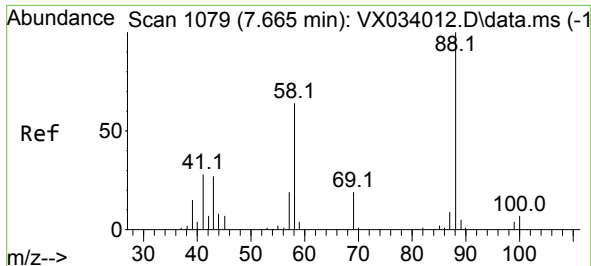
Tgt Ion: 43 Resp: 301968
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 12.9 10.6 15.8



#48
Methyl methacrylate
Concen: 59.089 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Tgt Ion: 41 Resp: 234780
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.0 43.2 64.8





#49

1,4-Dioxane

Concen: 0.972 ug/l

RT: 7.659 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX034289.D

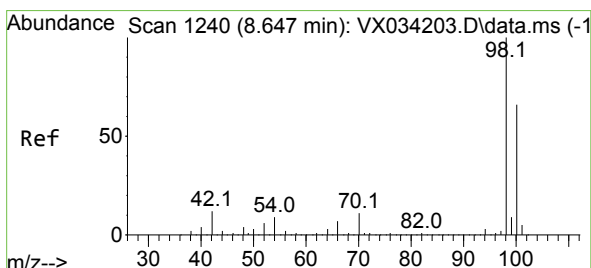
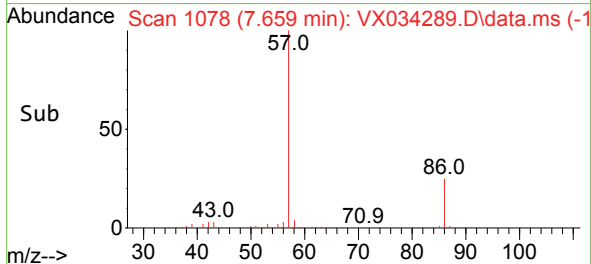
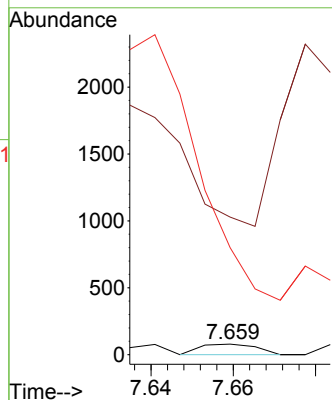
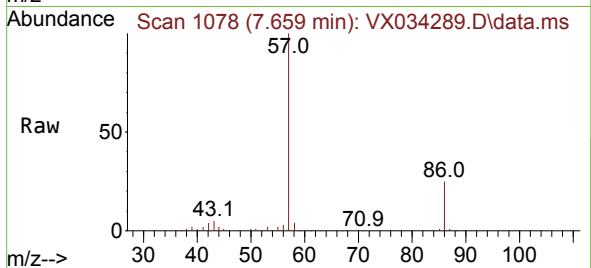
Acq: 01 Mar 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	77
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	56.5	84.7#



#50

Toluene-d8

Concen: 51.356 ug/l

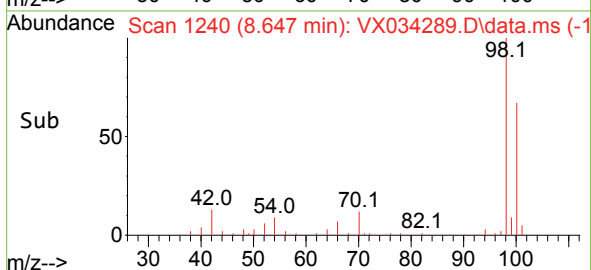
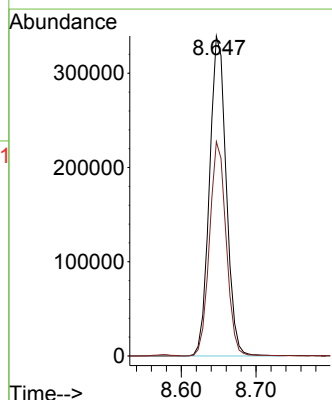
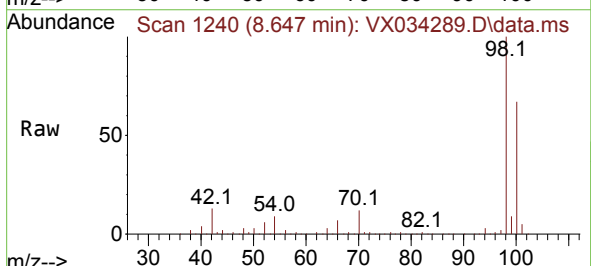
RT: 8.647 min Scan# 1240

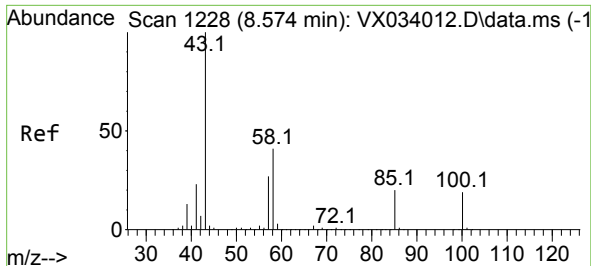
Delta R.T. 0.000 min

Lab File: VX034289.D

Acq: 01 Mar 2023 13:44

Tgt Ion:	98	Resp:	529227
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.6	80.4

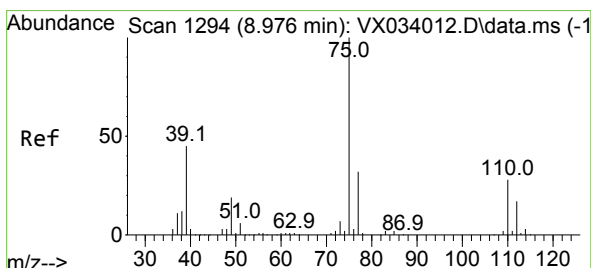
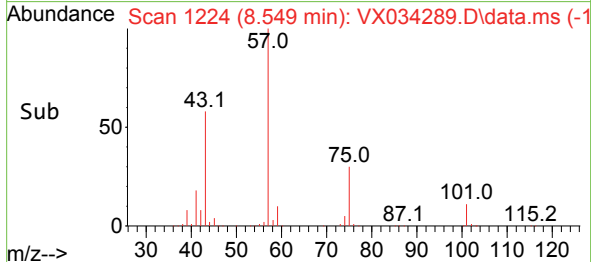
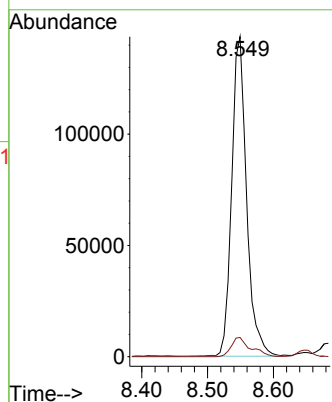
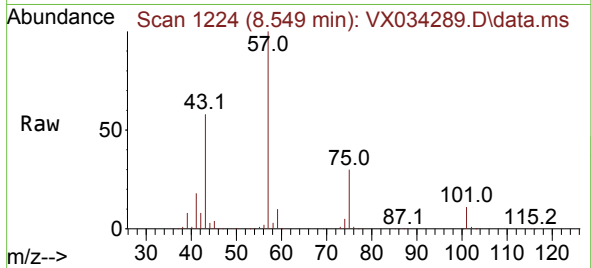




#51
4-Methyl-2-Pentanone
Concen: 49.142 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

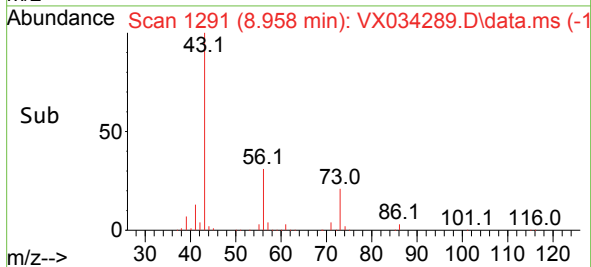
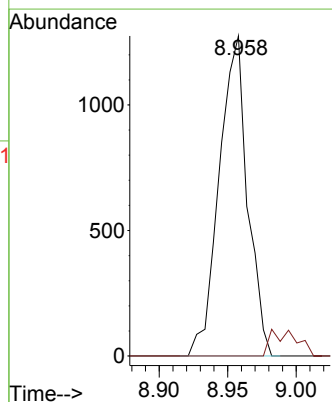
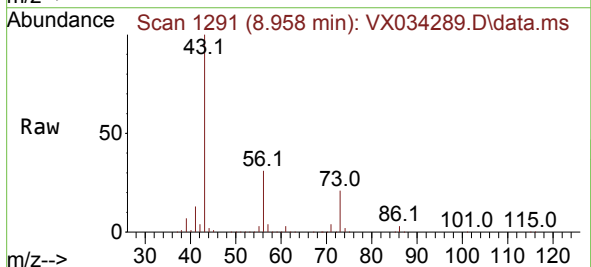
Instrument :
MSVOA_X
ClientSampleId :

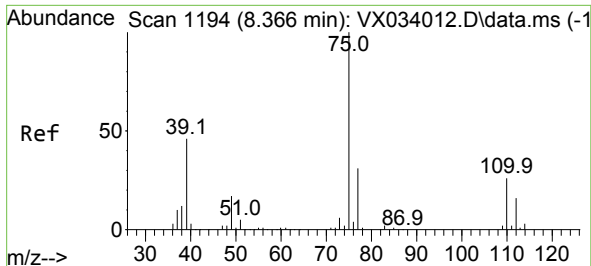
Tgt Ion: 43 Resp: 226334
Ion Ratio Lower Upper
43 100
58 7.9 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.352 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Tgt Ion: 75 Resp: 1833
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

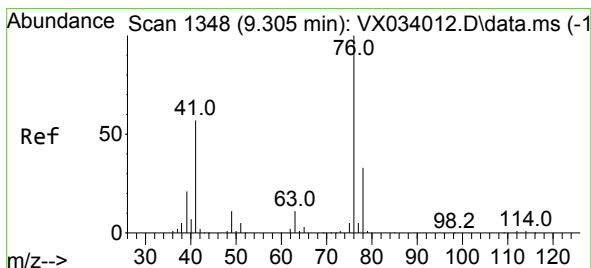
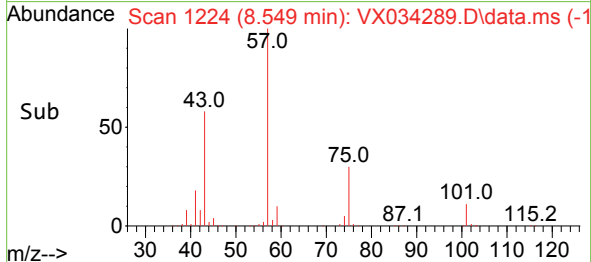
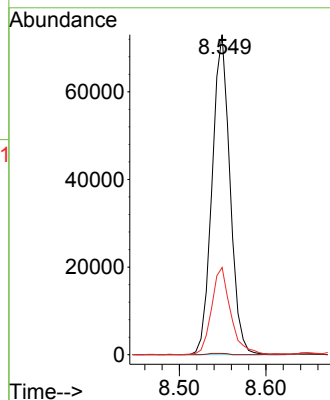
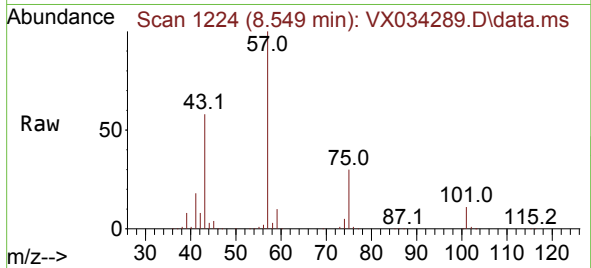




#54
 cis-1,3-Dichloropropene
 Concen: 18.828 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034289.D
 Acq: 01 Mar 2023 13:44

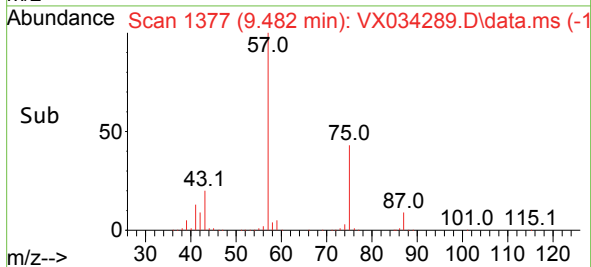
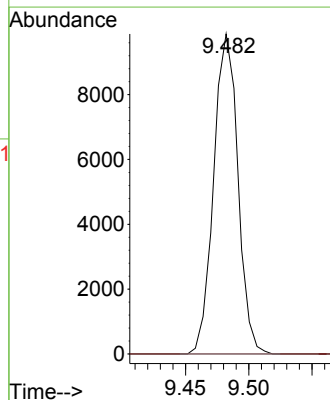
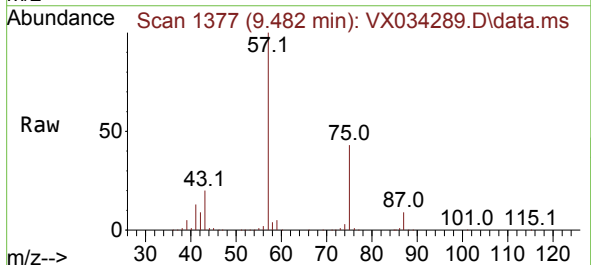
Instrument :
 MSVOA_X
 ClientSampleId :

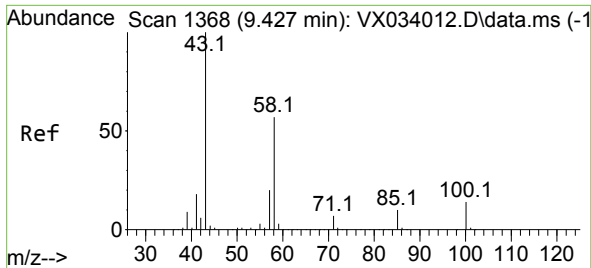
Tgt Ion: 75 Resp: 104934
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 27.3 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.456 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034289.D
 Acq: 01 Mar 2023 13:44

Tgt Ion: 76 Resp: 13147
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

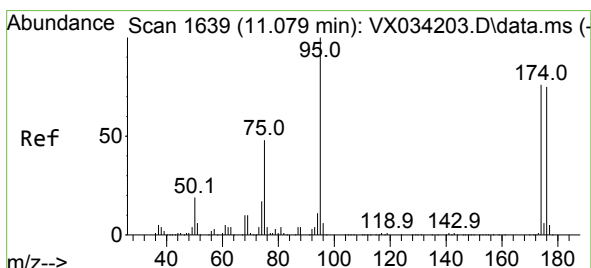
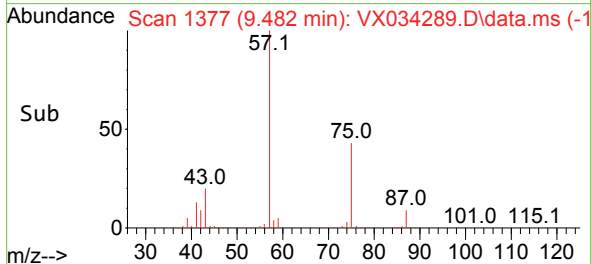
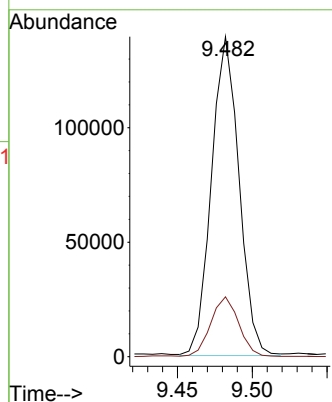
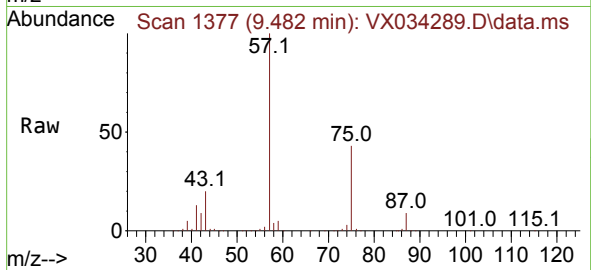




#59
2-Hexanone
Concen: 50.984 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

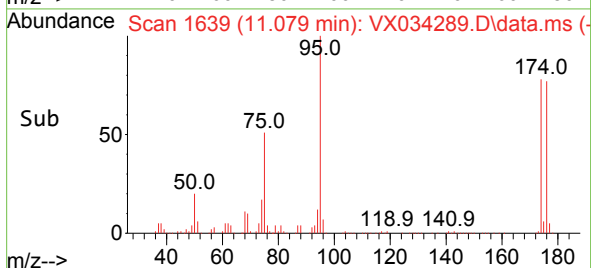
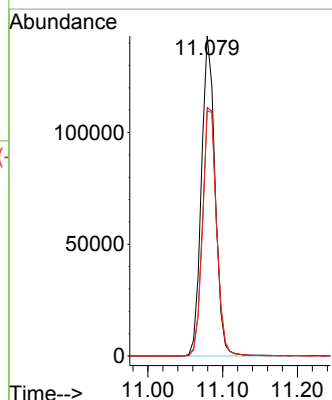
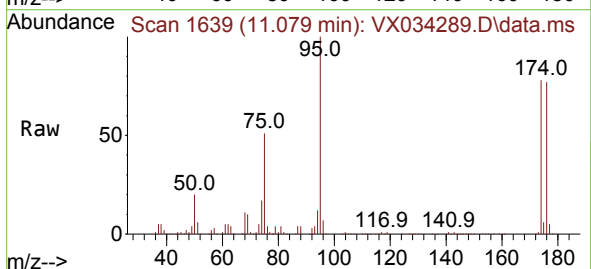
Instrument :
MSVOA_X
ClientSampleId :

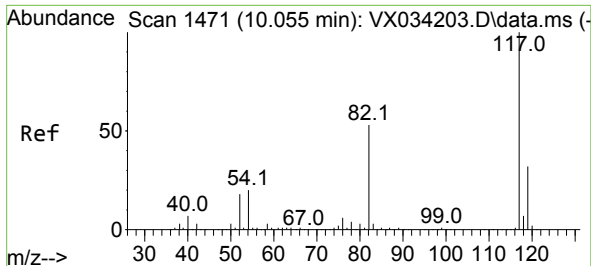
Tgt Ion: 43 Resp: 178957
Ion Ratio Lower Upper
43 100
58 19.5 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

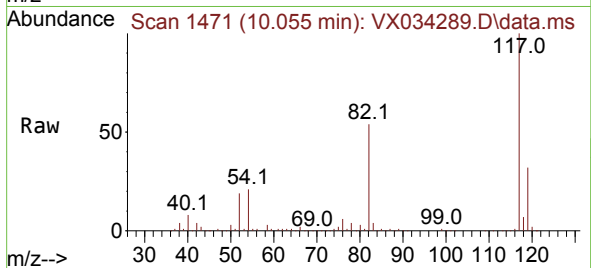
Tgt Ion: 95 Resp: 181484
Ion Ratio Lower Upper
95 100
174 80.3 0.0 184.4
176 78.9 0.0 178.8



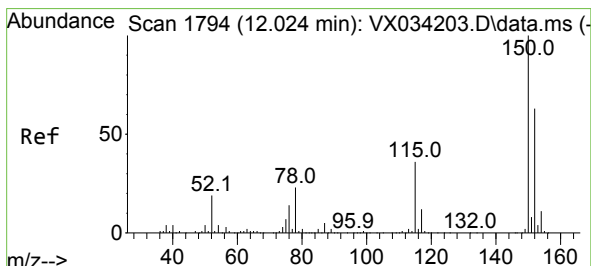
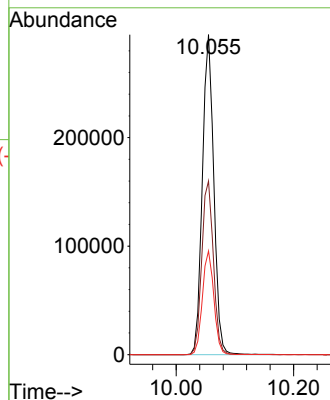
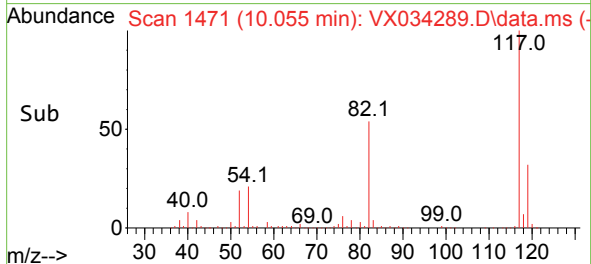


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

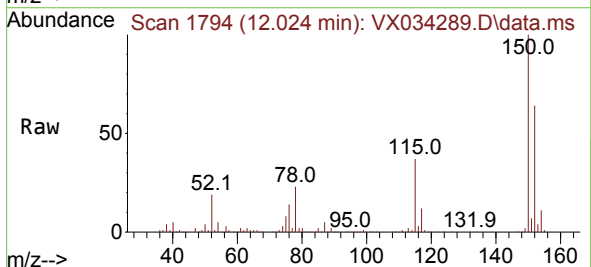
Instrument :
MSVOA_X
ClientSampleId :



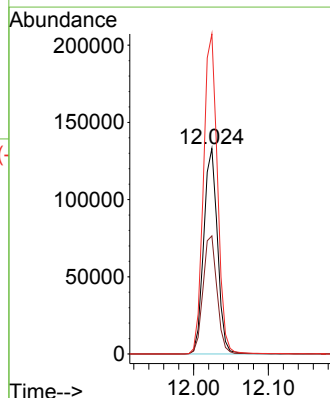
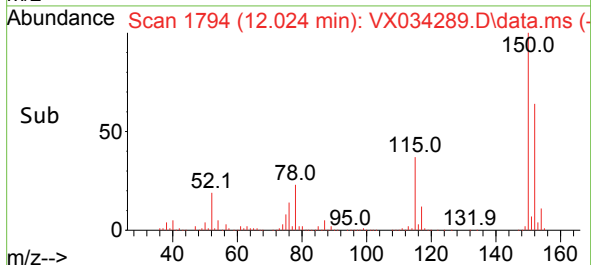
Tgt Ion:117 Resp: 396605
Ion Ratio Lower Upper
117 100
82 54.3 40.6 60.8
119 32.4 25.6 38.4

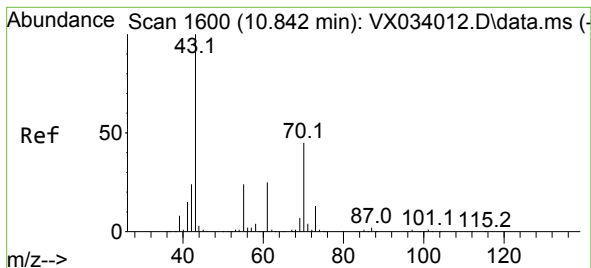


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44



Tgt Ion:152 Resp: 170298
Ion Ratio Lower Upper
152 100
115 58.6 38.7 116.1
150 158.1 0.0 348.2





#74

N-amy1 acetate

Concen: 11.564 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

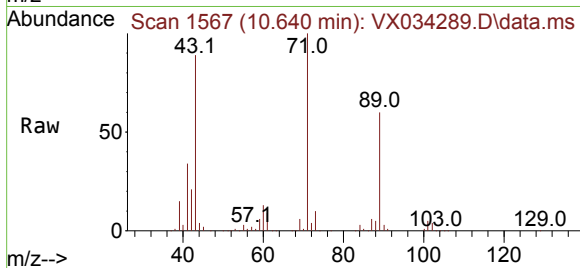
Lab File: VX034289.D

Acq: 01 Mar 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 75402

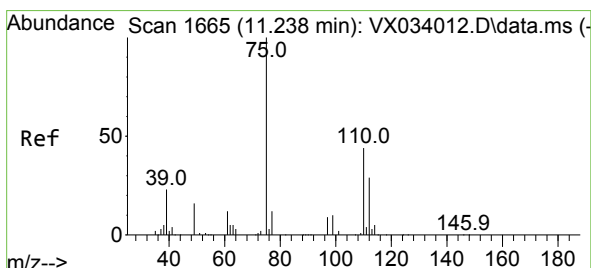
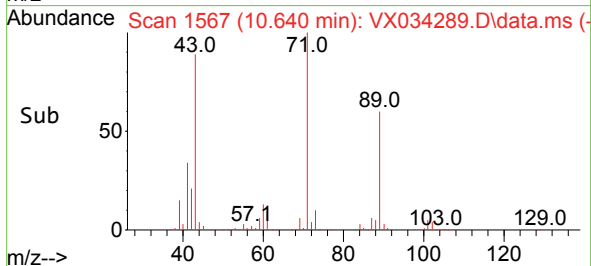
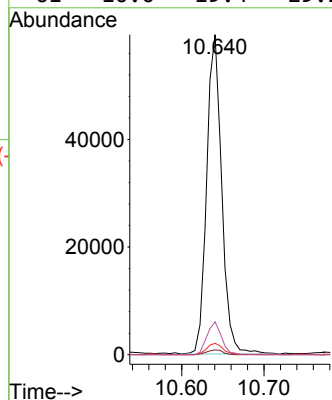
Ion Ratio Lower Upper

43 100

70 1.6 34.8 52.2#

55 3.8 19.4 29.0#

61 10.0 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 21.364 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034289.D

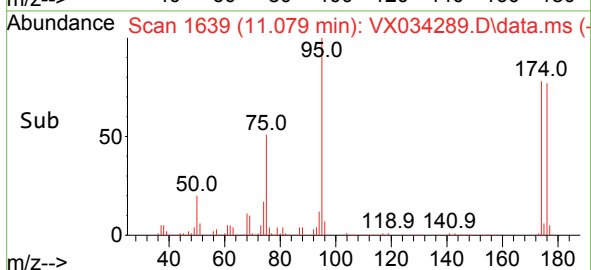
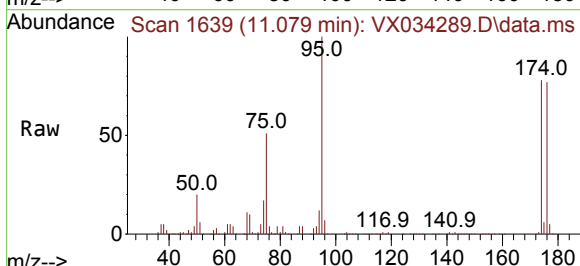
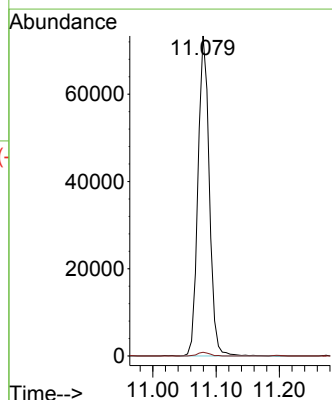
Acq: 01 Mar 2023 13:44

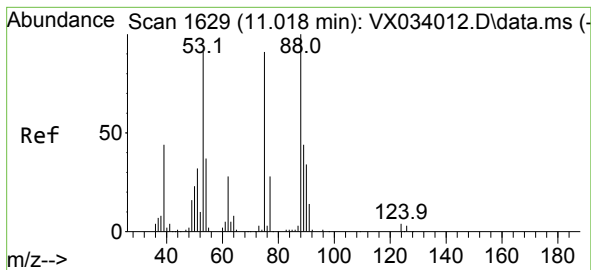
Tgt Ion: 75 Resp: 91549

Ion Ratio Lower Upper

75 100

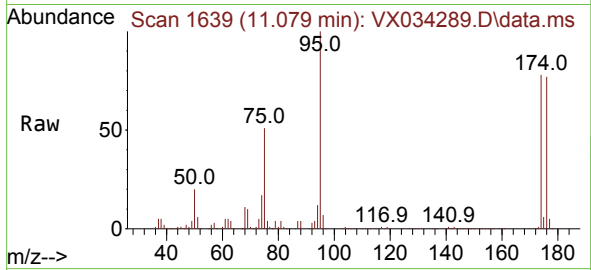
77 1.2 21.8 65.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 54.883 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034289.D
Acq: 01 Mar 2023 13:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 91549
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.1 37.7 56.5#

