

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038891.D
 Acq On : 17 Nov 2023 19:21
 Operator : JC/MD
 Sample : 05466-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB21144

Quant Time: Nov 17 22:55:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

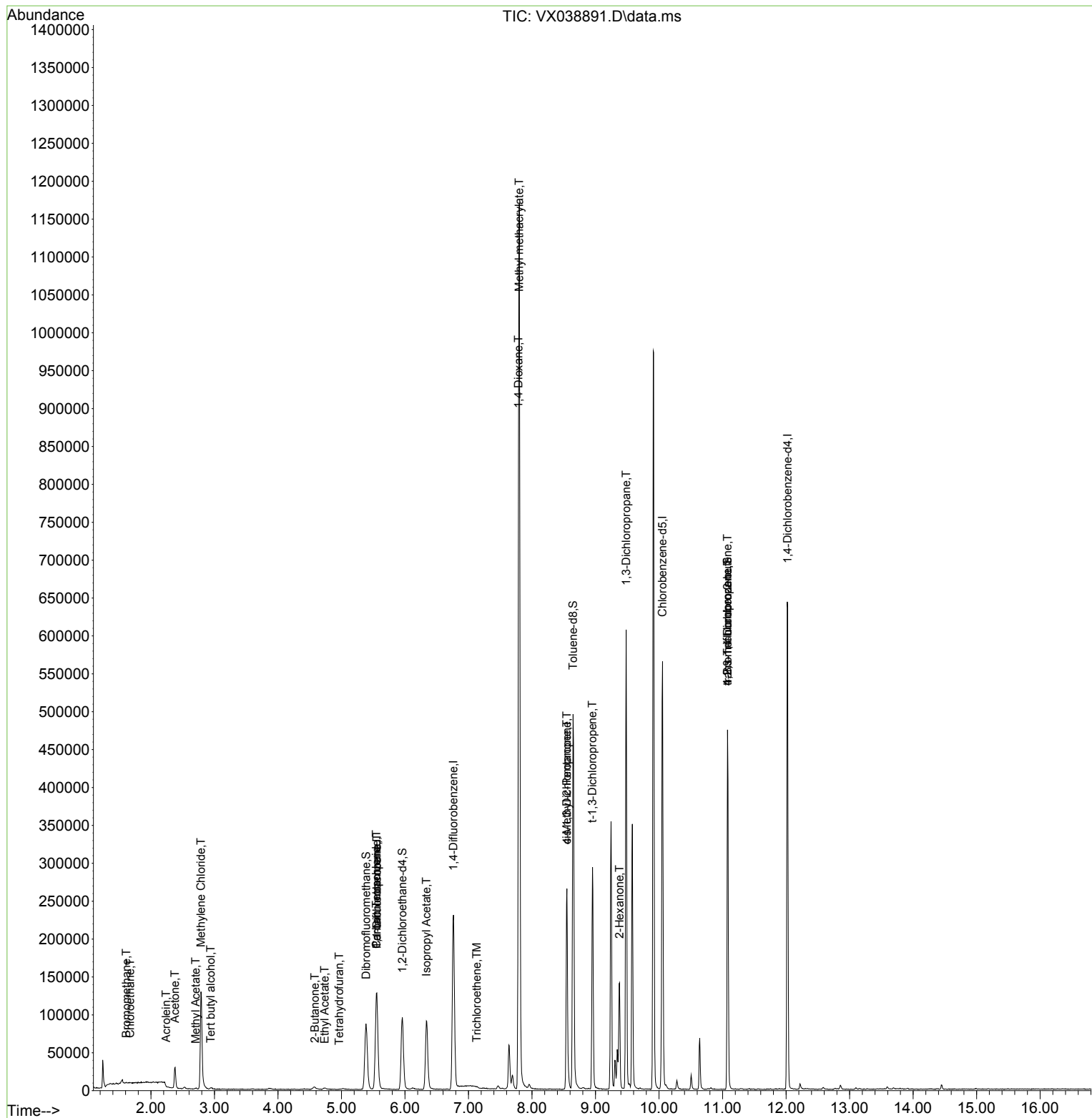
Internal Standards						
1) Pentafluorobenzene	5.556	168	115122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89945	48.488	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.980%		
35) Dibromofluoromethane	5.385	113	77042	44.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.700%		
50) Toluene-d8	8.647	98	302455	46.017	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.040%		
62) 4-Bromofluorobenzene	11.079	95	134024	50.939	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	160	0.229	ug/l #	3
6) Chloroethane	1.672	64	310	0.322	ug/l #	44
11) Tert butyl alcohol	2.941	59	1413	2.739	ug/l #	93
13) Acrolein	2.239	56	89	0.326	ug/l #	45
16) Acetone	2.380	43	29310	29.681	ug/l	92
18) Methyl Acetate	2.703	43	1995	0.425	ug/l #	90
20) Methylene Chloride	2.788	84	61777	34.704	ug/l	97
25) 2-Butanone	4.580	43	2680	1.674	ug/l	91
29) Tetrahydrofuran	4.965	42	247	0.243	ug/l #	40
36) 1,1-Dichloropropene	5.556	75	10316	4.190	ug/l #	49
37) Ethyl Acetate	4.733	43	3489	1.088	ug/l #	86
38) Carbon Tetrachloride	5.550	117	12858	5.651	ug/l #	14
43) Isopropyl Acetate	6.336	43	130690	25.493	ug/l	98
44) Trichloroethene	7.129	130	358	0.202	ug/l	72
48) Methyl methacrylate	7.799	41	99096	39.841	ug/l #	47
49) 1,4-Dioxane	7.787	88	151	3.138	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	93562	28.559	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	633	0.205	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	44078	13.844	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	5102	1.636	ug/l #	42
59) 2-Hexanone	9.378	43	112610	42.885	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	67028	20.799	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67028	46.135	ug/l #	5

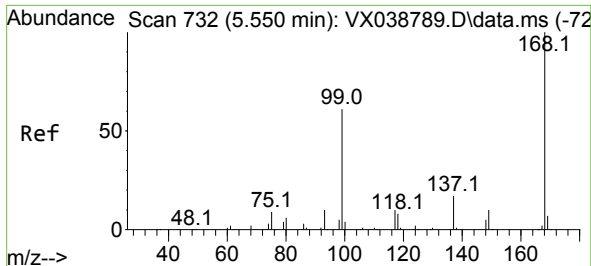
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
Data File : VX038891.D
Acq On : 17 Nov 2023 19:21
Operator : JC/MD
Sample : 05466-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RB21144

Quant Time: Nov 17 22:55:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

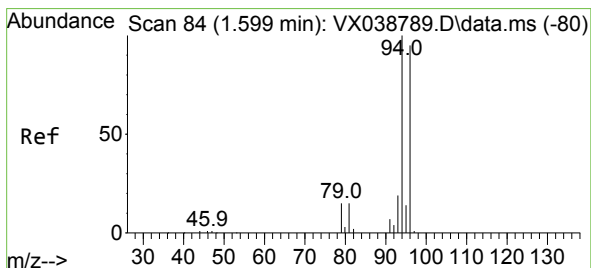
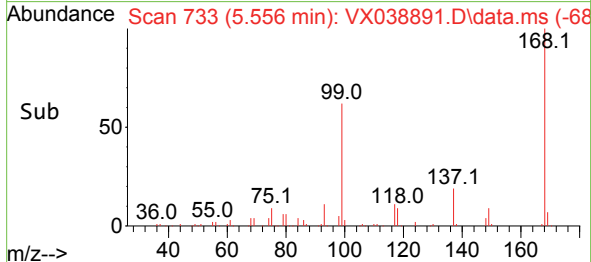
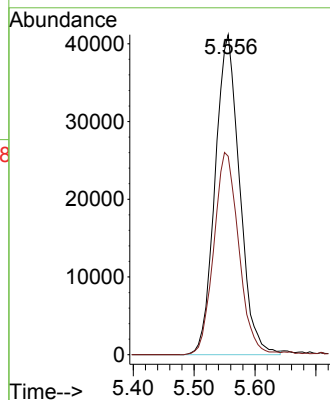
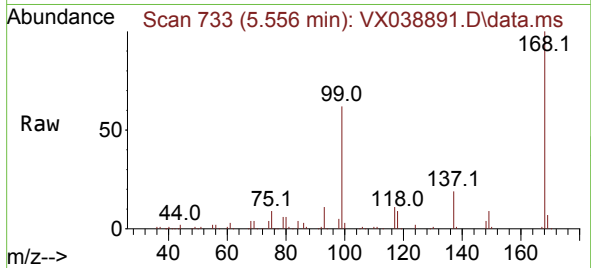




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

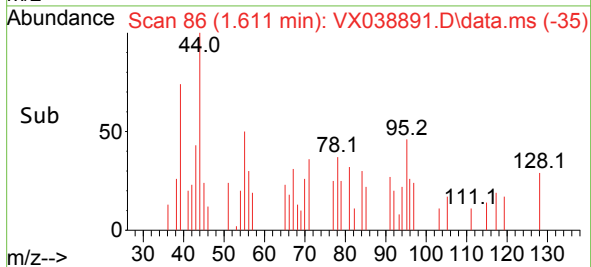
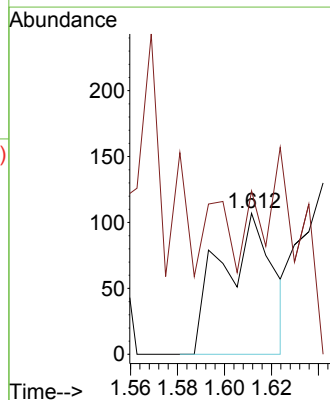
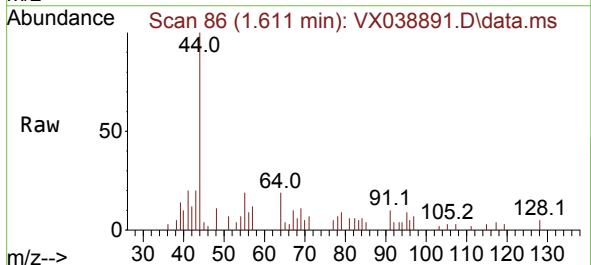
Instrument :
MSVOA_X
ClientSampleId :
RB21144

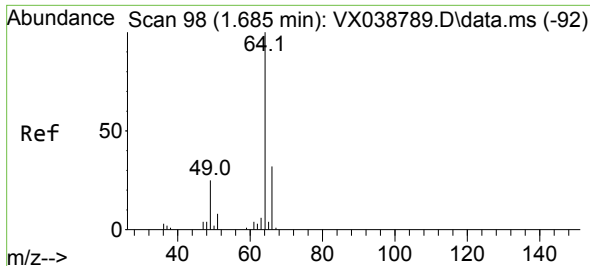
Tgt Ion:168 Resp: 115122
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

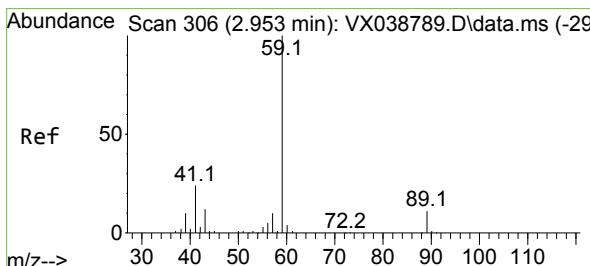
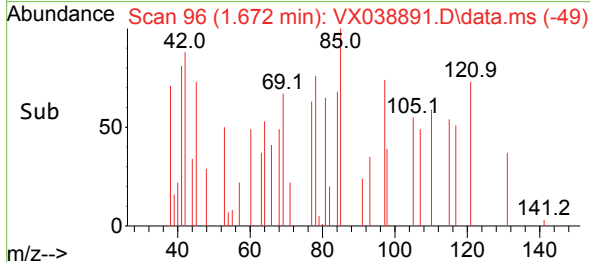
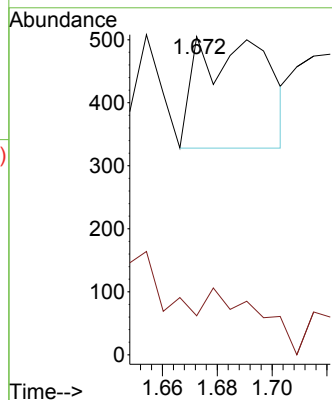
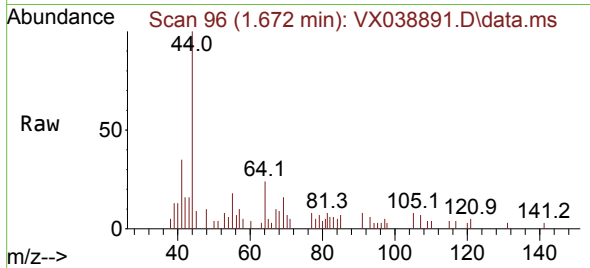




#6
Chloroethane
Concen: 0.322 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

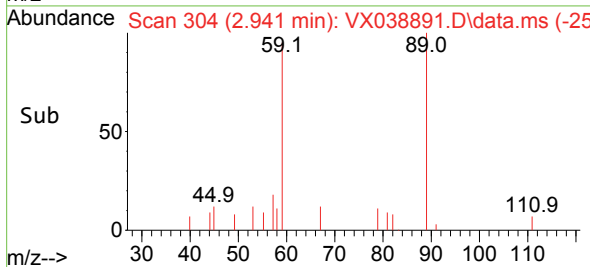
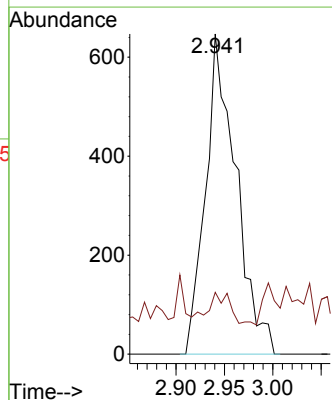
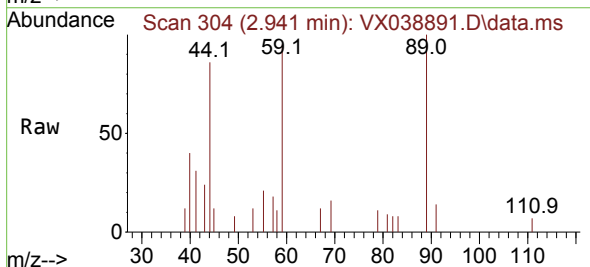
Instrument :
MSVOA_X
ClientSampleId :
RB21144

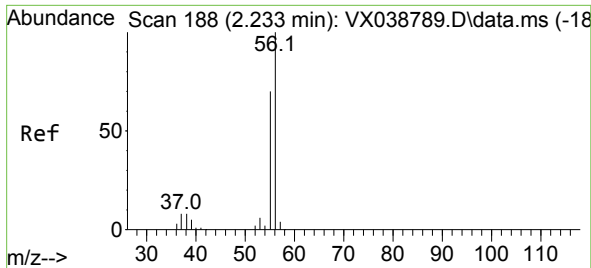
Tgt Ion: 64 Resp: 310
Ion Ratio Lower Upper
64 100
66 0.6 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.739 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 59 Resp: 1413
Ion Ratio Lower Upper
59 100
57 5.1 6.0 9.0#

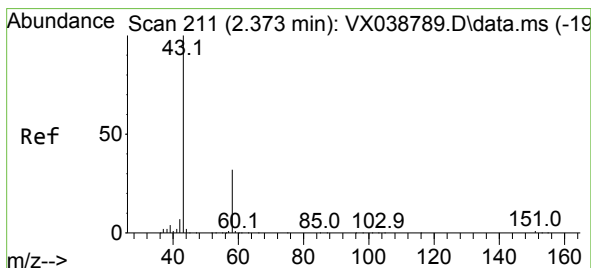
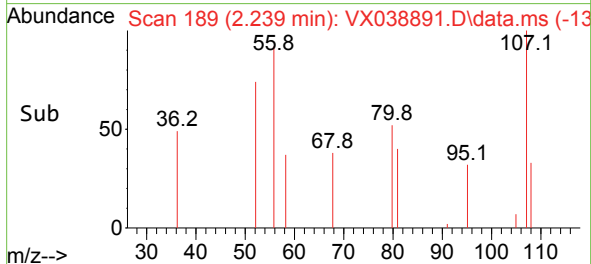
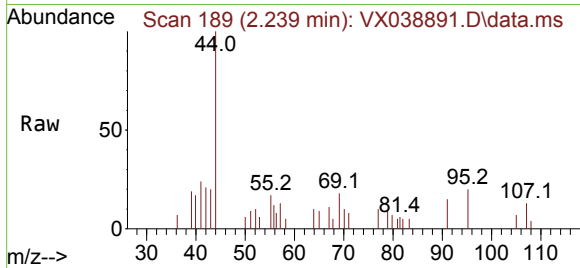




#13
Acrolein
Concen: 0.326 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

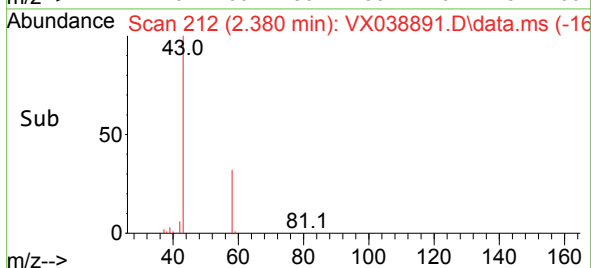
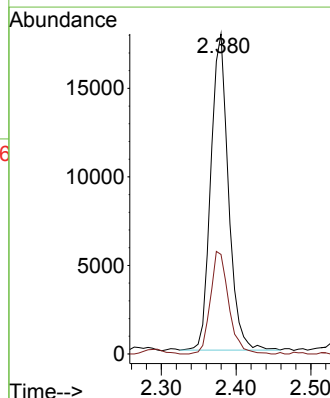
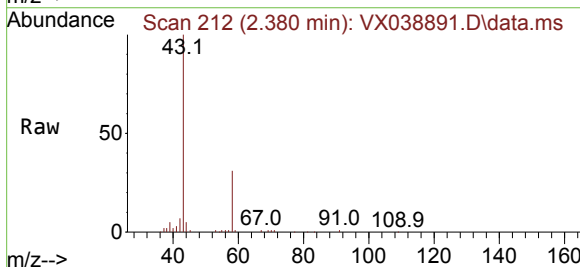
Instrument :
MSVOA_X
ClientSampleId :
RB21144

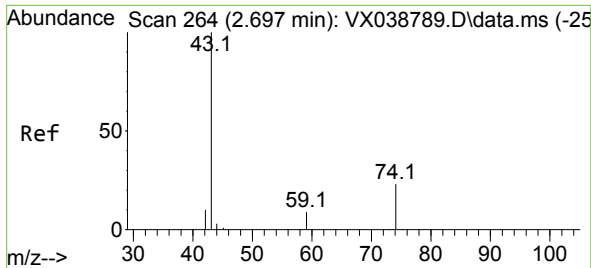
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 116.9 57.1 85.7#



#16
Acetone
Concen: 29.681 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 43 Resp: 29310
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9

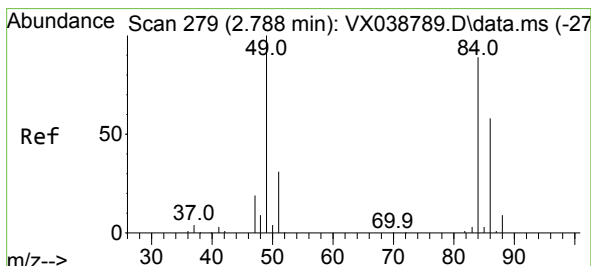
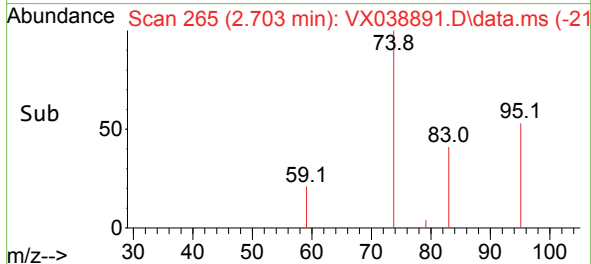
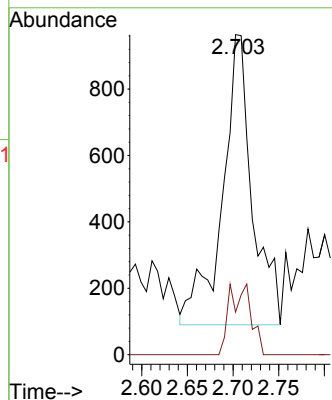
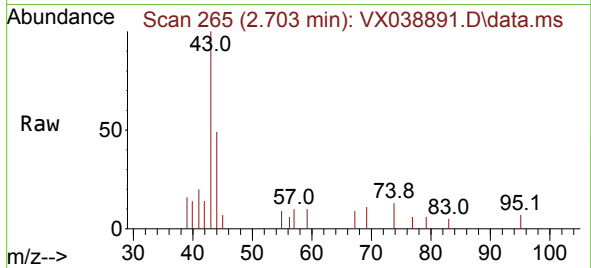




#18
Methyl Acetate
Concen: 0.425 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

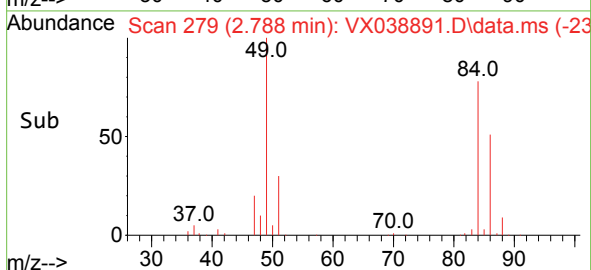
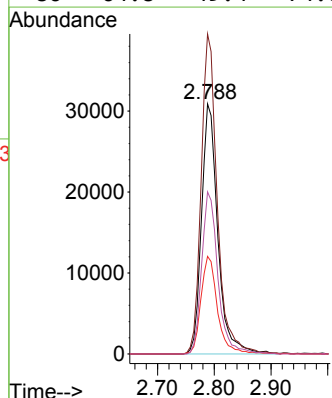
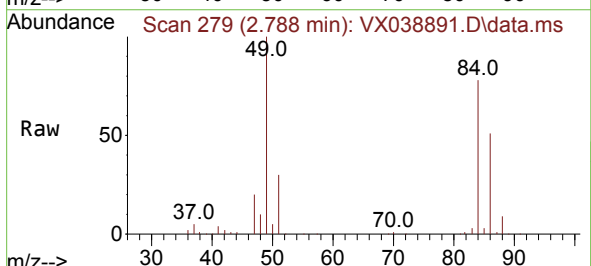
Instrument :
MSVOA_X
ClientSampleId :
RB21144

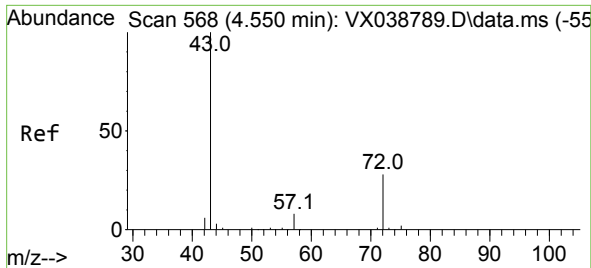
Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
74 17.4 17.8 26.8#



#20
Methylene Chloride
Concen: 34.704 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 84 Resp: 61777
Ion Ratio Lower Upper
84 100
49 127.9 103.6 155.4
51 39.0 33.8 50.6
86 64.8 49.4 74.0

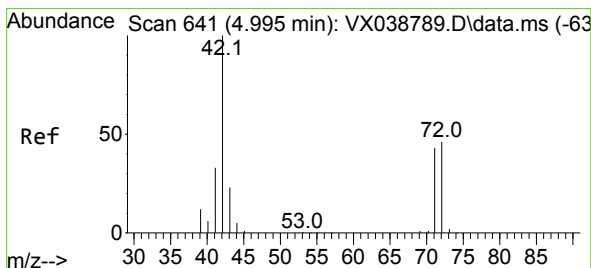
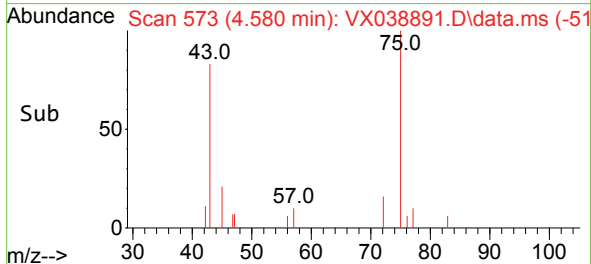
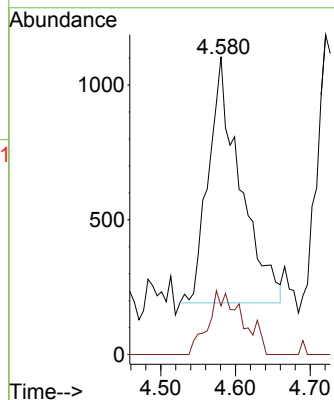
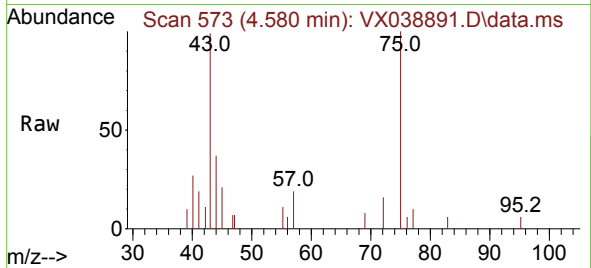




#25
2-Butanone
Concen: 1.674 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

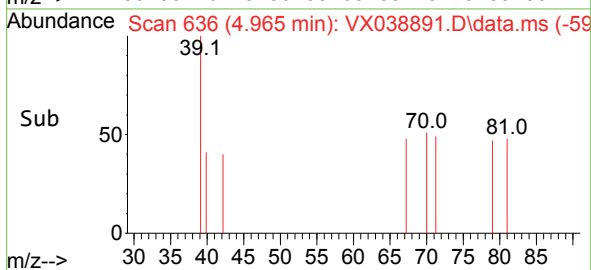
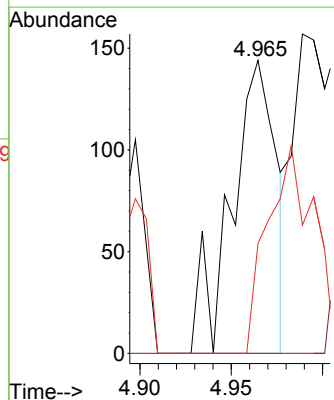
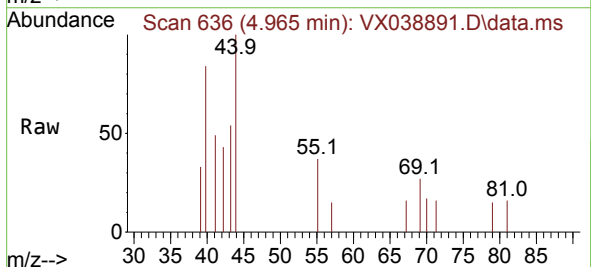
Instrument :
MSVOA_X
ClientSampleId :
RB21144

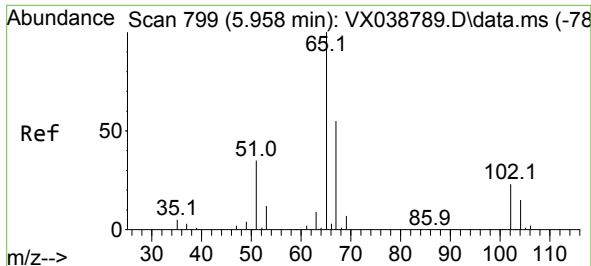
Tgt Ion: 43 Resp: 2680
Ion Ratio Lower Upper
43 100
72 19.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.243 ug/l
RT: 4.965 min Scan# 636
Delta R.T. -0.030 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 42 Resp: 247
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 72.5 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 48.488 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038891.D

Acq: 17 Nov 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

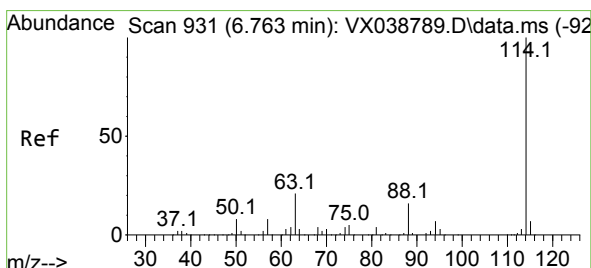
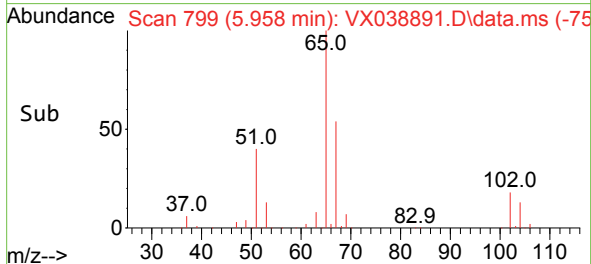
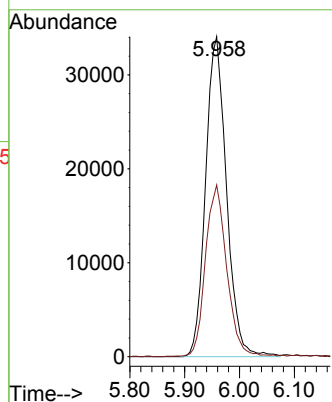
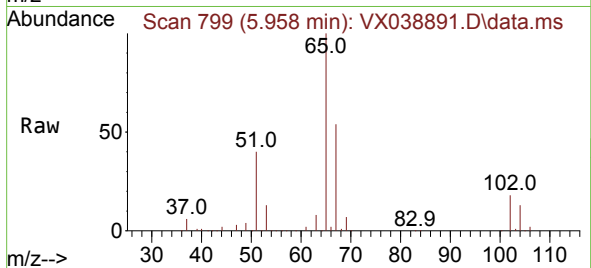
RB21144

Tgt Ion: 65 Resp: 89945

Ion Ratio Lower Upper

65 100

67 55.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX038891.D

Acq: 17 Nov 2023 19:21

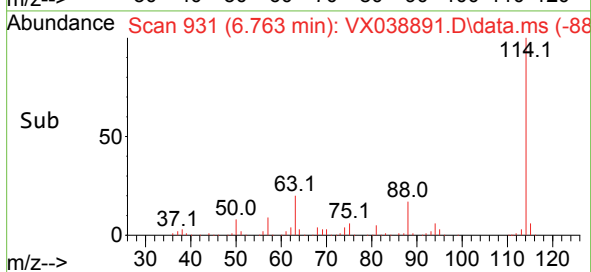
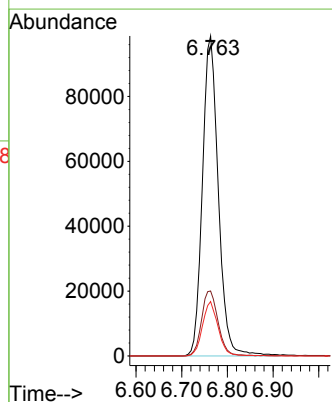
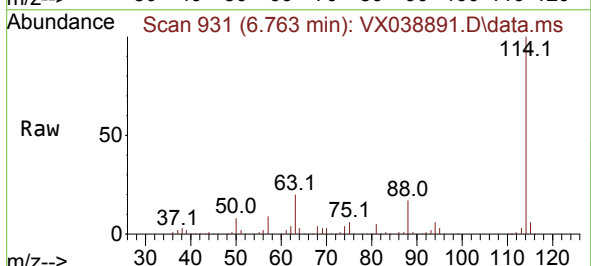
Tgt Ion:114 Resp: 237859

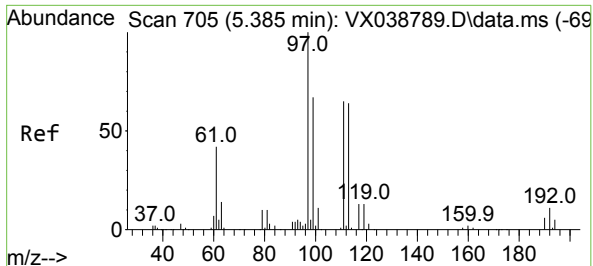
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

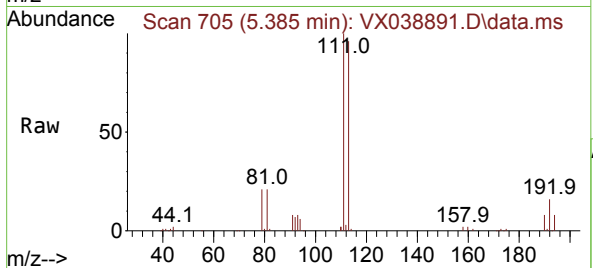
88 17.0 0.0 36.6



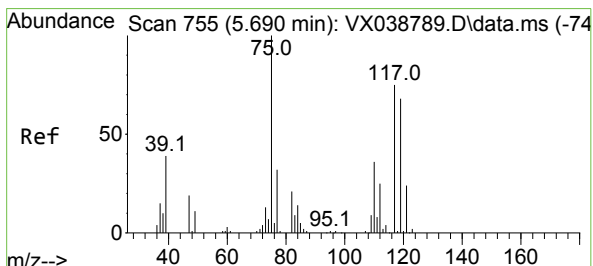
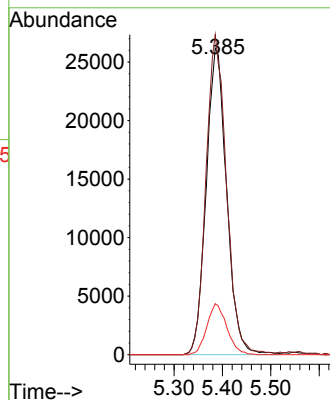
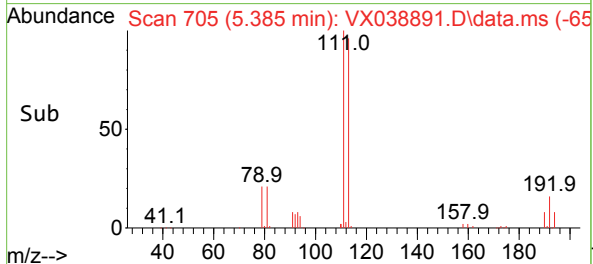


#35
Dibromofluoromethane
Concen: 44.847 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Instrument :
MSVOA_X
ClientSampleId :
RB21144

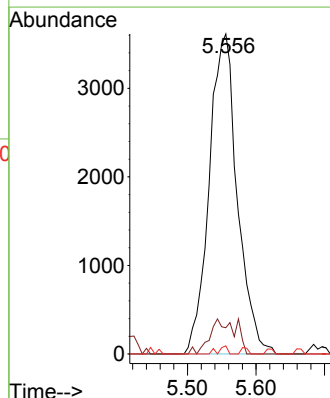
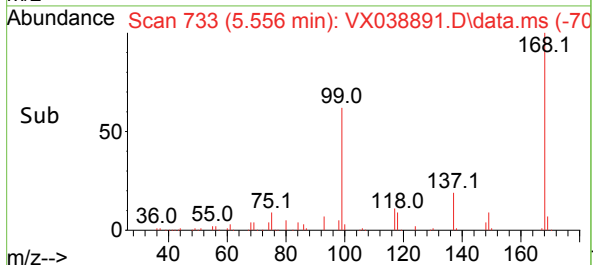
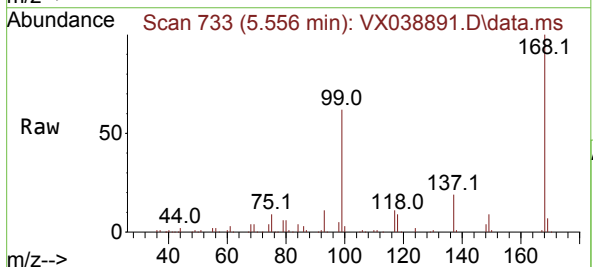


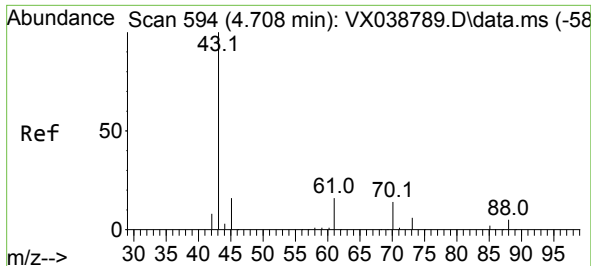
Tgt Ion:113 Resp: 77042
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.190 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 75 Resp: 10316
Ion Ratio Lower Upper
75 100
110 6.2 17.0 50.9#
77 0.8 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.088 ug/l

RT: 4.733 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX038891.D

Acq: 17 Nov 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

RB21144

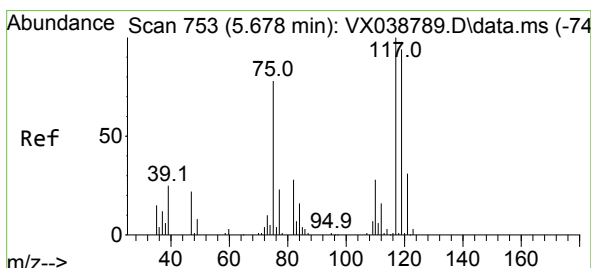
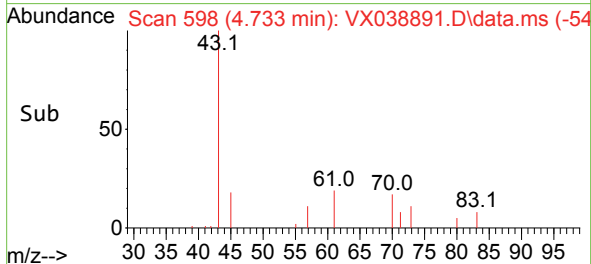
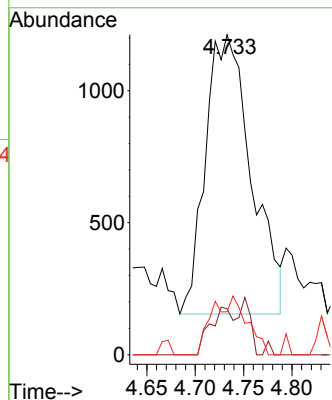
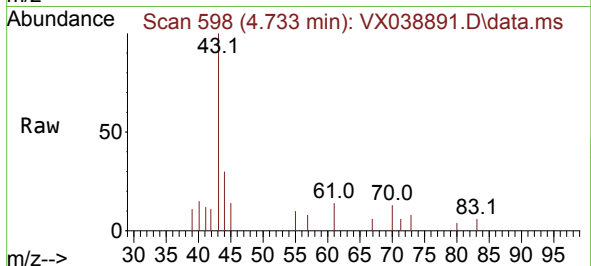
Tgt Ion: 43 Resp: 3489

Ion Ratio Lower Upper

43 100

61 8.4 10.6 16.0#

70 16.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.651 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX038891.D

Acq: 17 Nov 2023 19:21

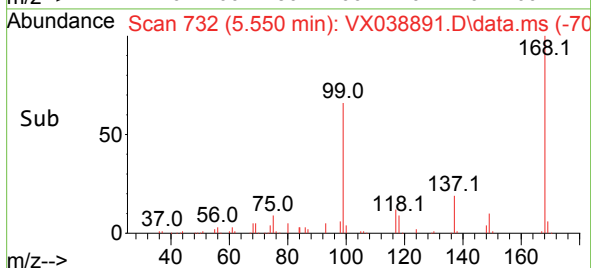
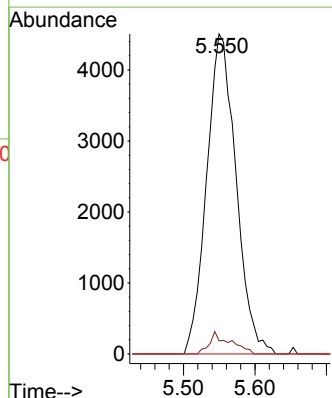
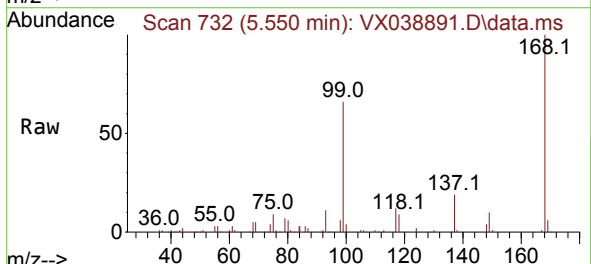
Tgt Ion: 117 Resp: 12858

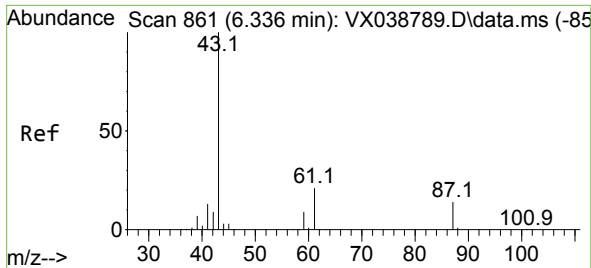
Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.2#

121 0.0 24.4 36.6#

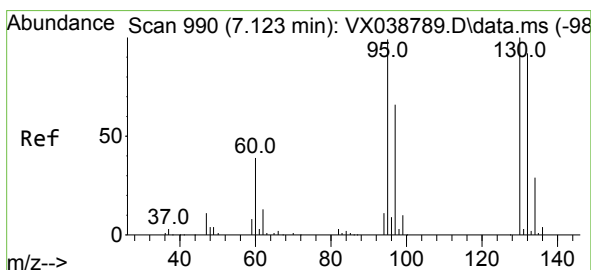
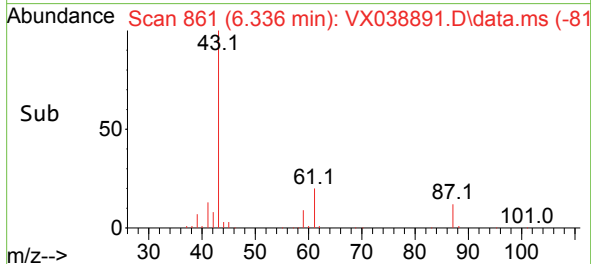
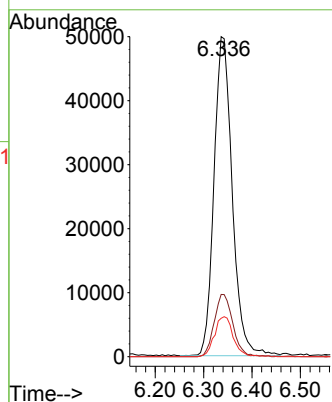
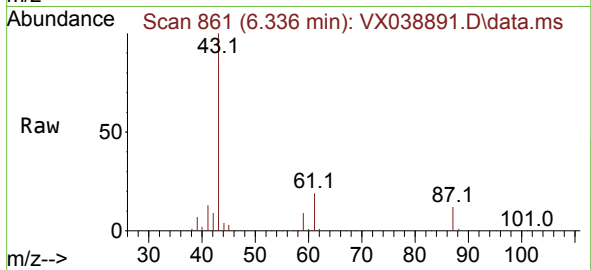




#43
Isopropyl Acetate
Concen: 25.493 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

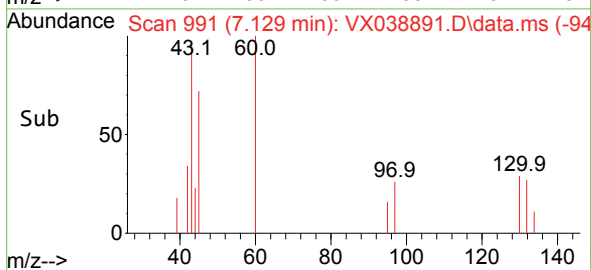
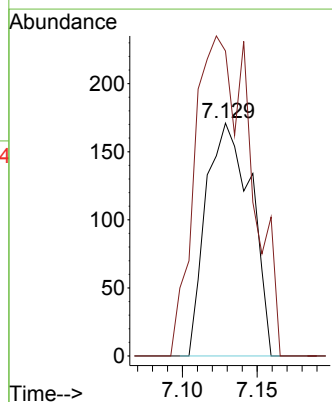
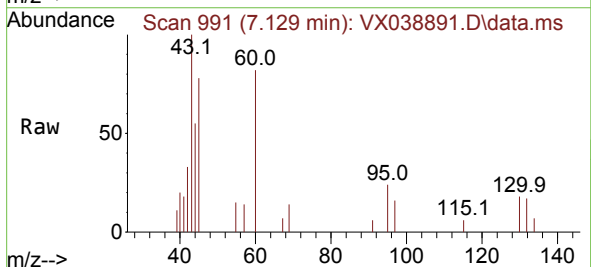
Instrument :
MSVOA_X
ClientSampleId :
RB21144

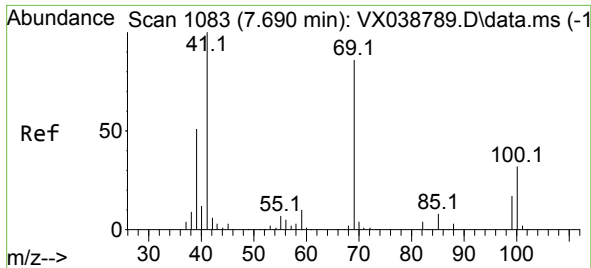
Tgt Ion: 43 Resp: 130690
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 12.9 9.8 14.6



#44
Trichloroethene
Concen: 0.202 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion:130 Resp: 358
Ion Ratio Lower Upper
130 100
95 131.0 0.0 204.4

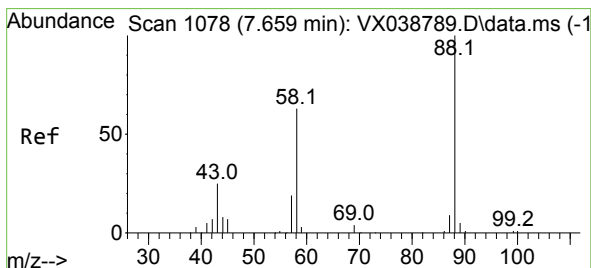
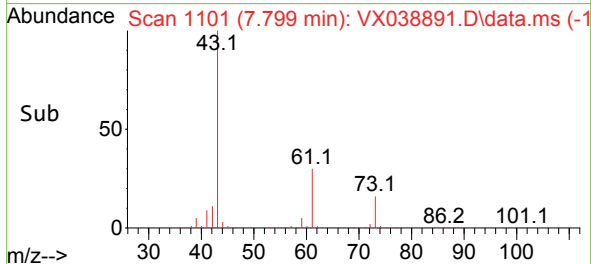
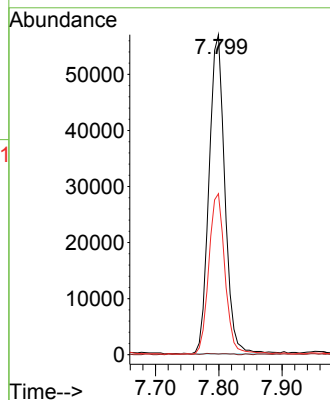
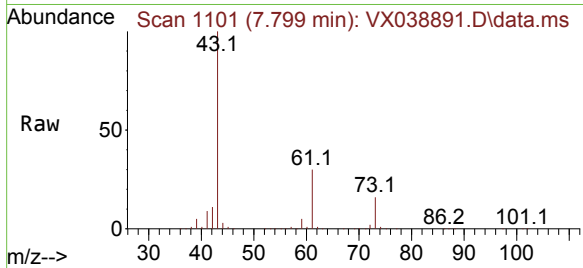




#48
Methyl methacrylate
Concen: 39.841 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

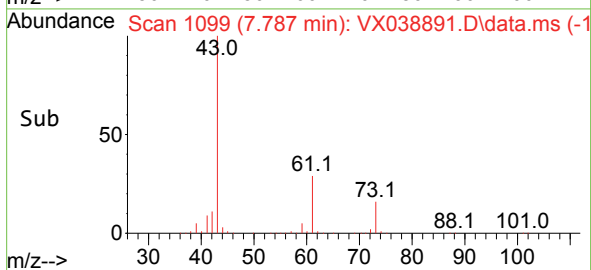
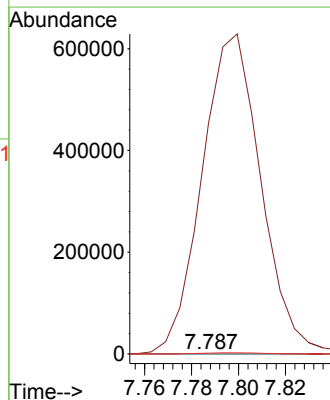
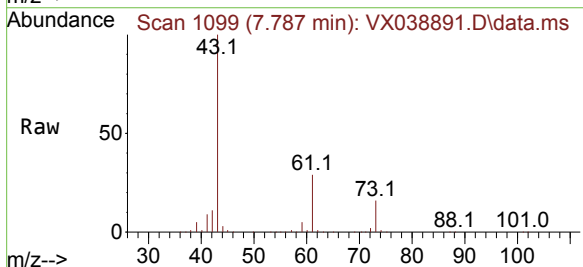
Instrument :
MSVOA_X
ClientSampleId :
RB21144

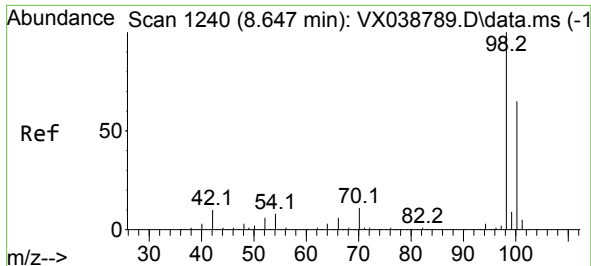
Tgt Ion: 41 Resp: 99096
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 51.3 47.7 71.5



#49
1,4-Dioxane
Concen: 3.138 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 88 Resp: 151
Ion Ratio Lower Upper
88 100
43 737707.9 0.0 0.0#
58 2785.4 60.1 90.1#

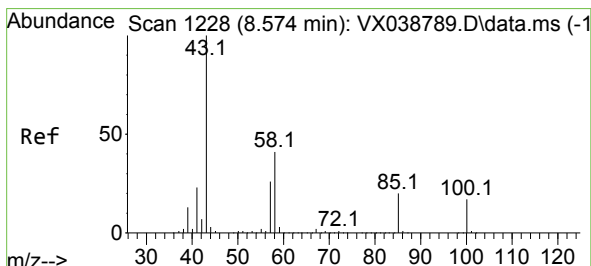
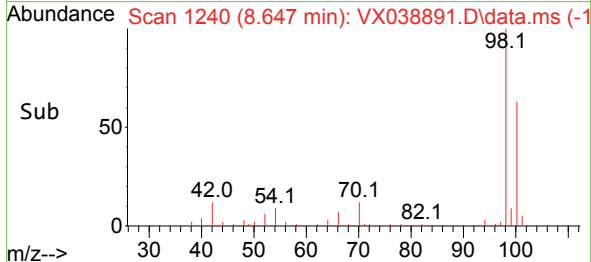
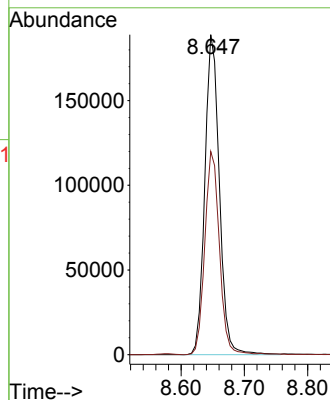
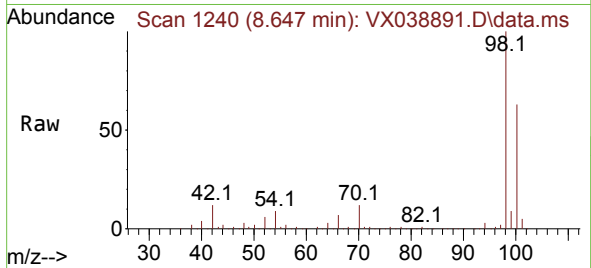




#50
Toluene-d8
Concen: 46.017 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

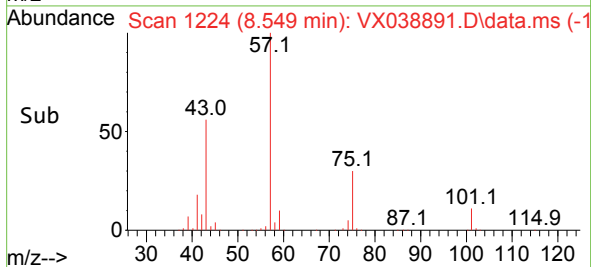
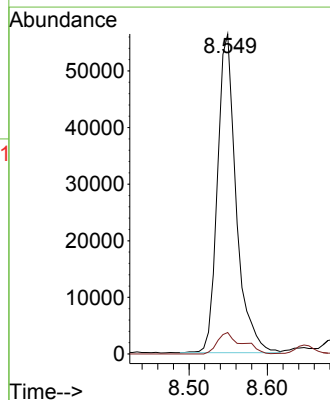
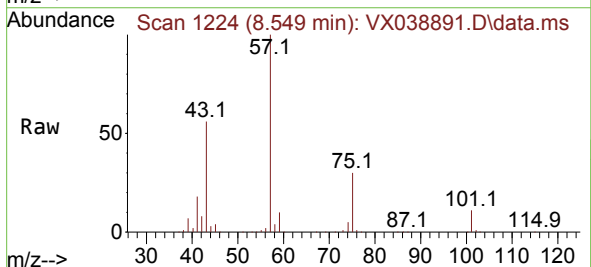
Instrument :
MSVOA_X
ClientSampleId :
RB21144

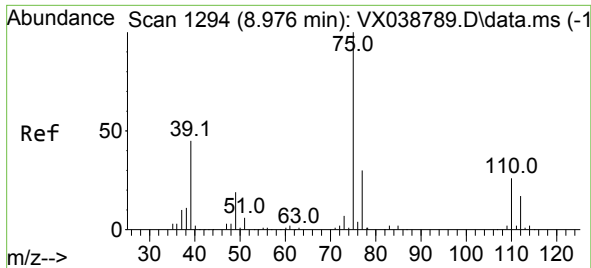
Tgt Ion: 98 Resp: 302455
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.559 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 43 Resp: 93562
Ion Ratio Lower Upper
43 100
58 8.9 30.4 45.6#

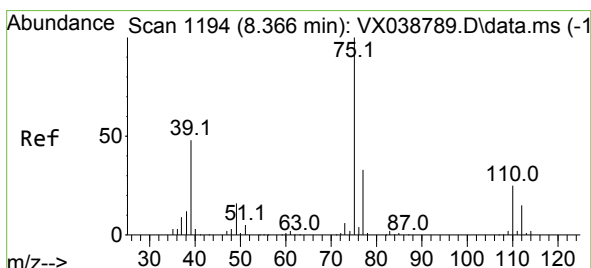
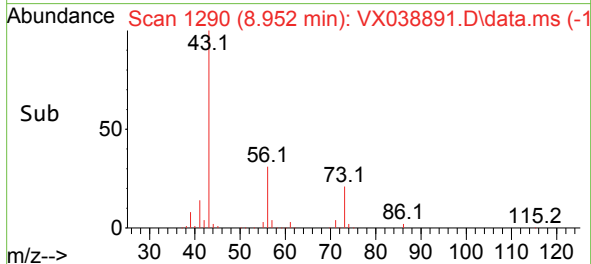
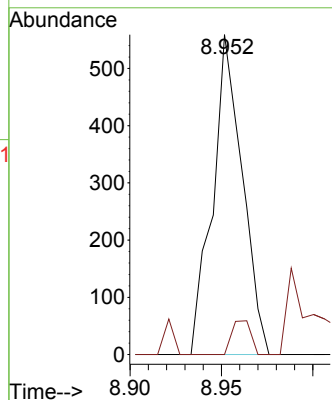
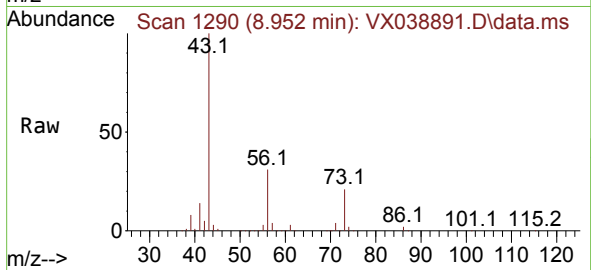




#53
 t-1,3-Dichloropropene
 Concen: 0.205 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX038891.D
 Acq: 17 Nov 2023 19:21

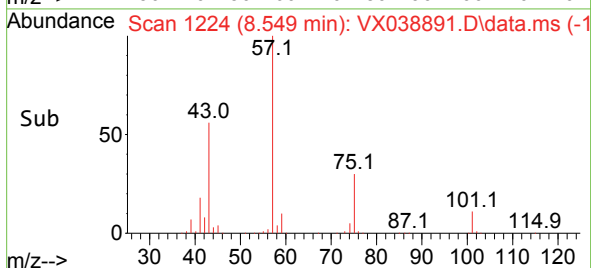
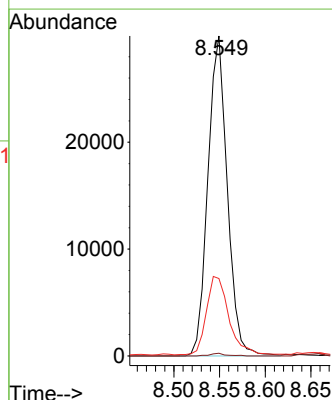
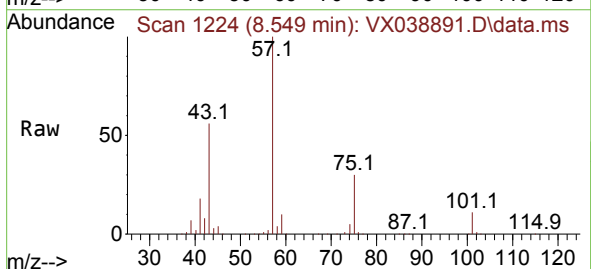
Instrument :
 MSVOA_X
 ClientSampleId :
 RB21144

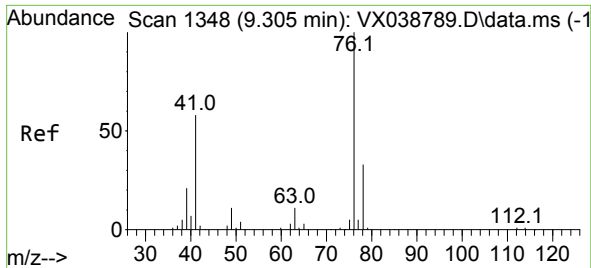
Tgt Ion: 75 Resp: 633
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.844 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX038891.D
 Acq: 17 Nov 2023 19:21

Tgt Ion: 75 Resp: 44078
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.3 37.9#
 39 23.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.636 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX038891.D

Acq: 17 Nov 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

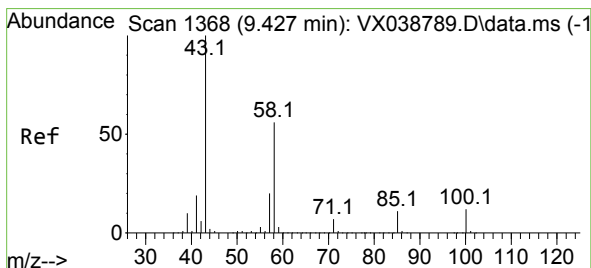
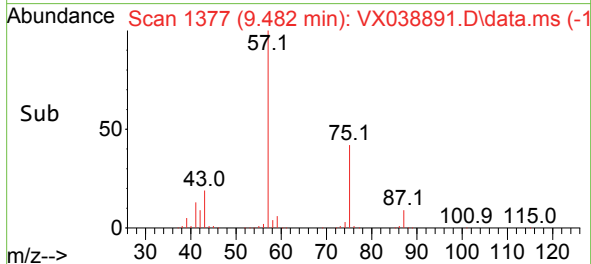
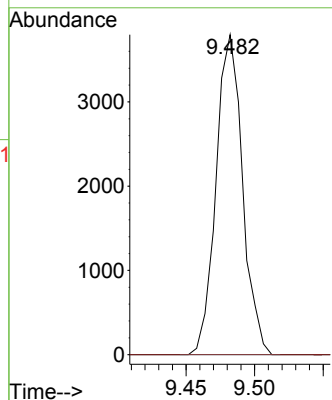
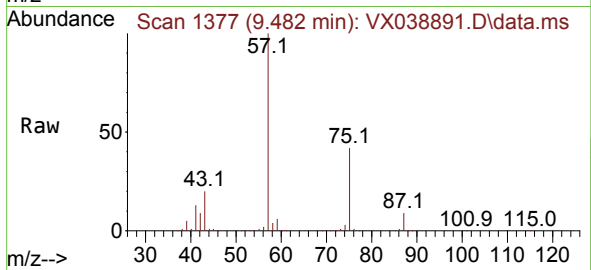
RB21144

Tgt Ion: 76 Resp: 5102

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 42.885 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX038891.D

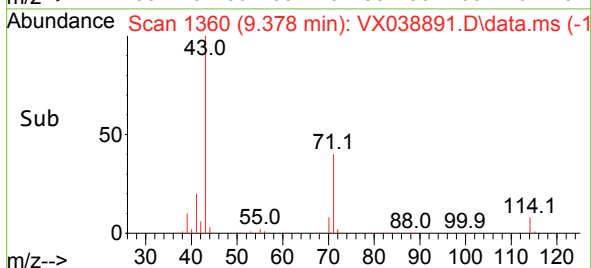
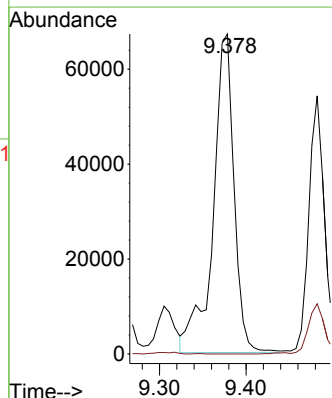
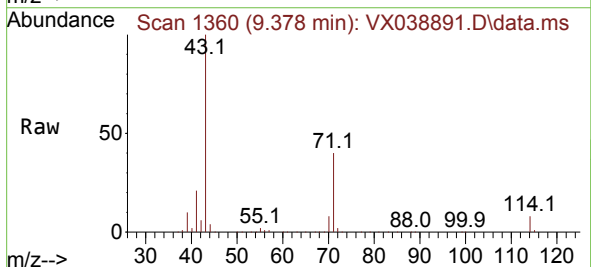
Acq: 17 Nov 2023 19:21

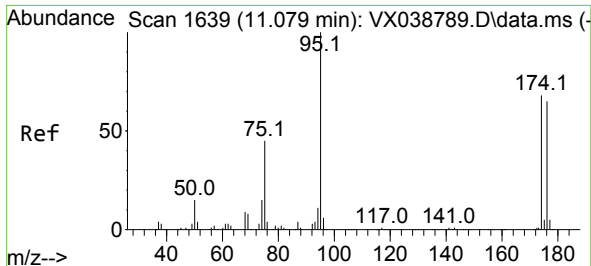
Tgt Ion: 43 Resp: 112610

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

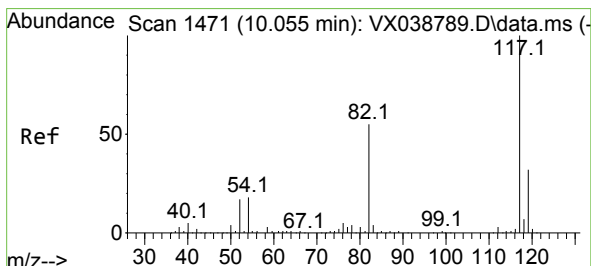
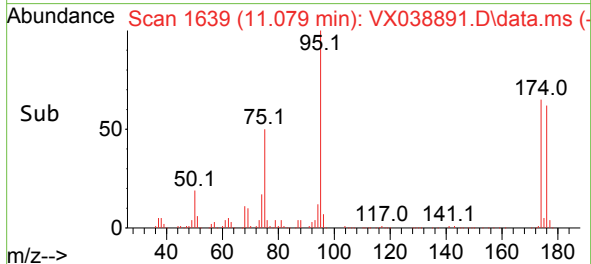
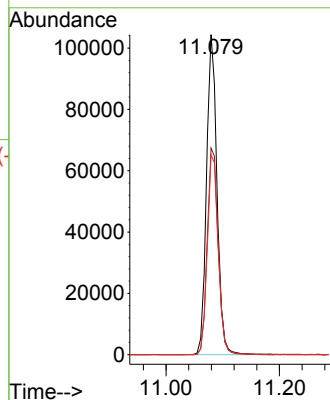
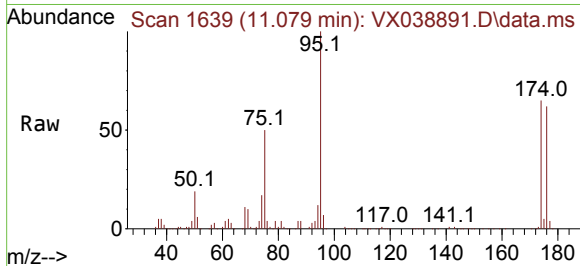




#62
4-Bromofluorobenzene
Concen: 50.939 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

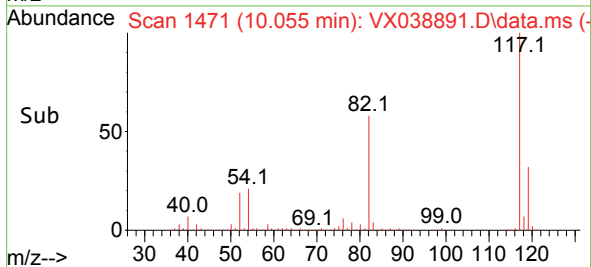
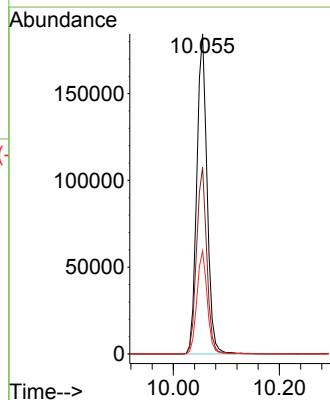
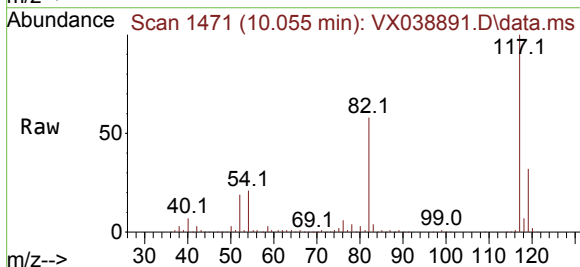
Instrument :
MSVOA_X
ClientSampleId :
RB21144

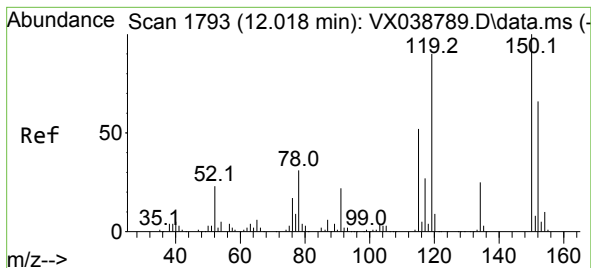
Tgt Ion: 95 Resp: 134024
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.6
176 64.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038891.D
Acq: 17 Nov 2023 19:21

Tgt Ion: 117 Resp: 248017
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 32.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038891.D

Acq: 17 Nov 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

RB21144

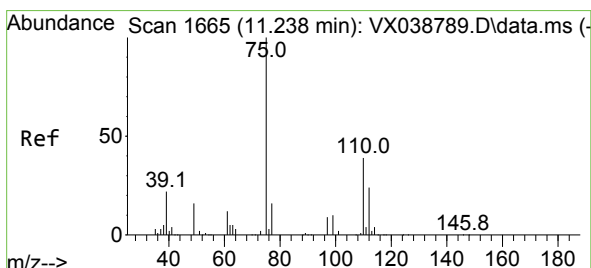
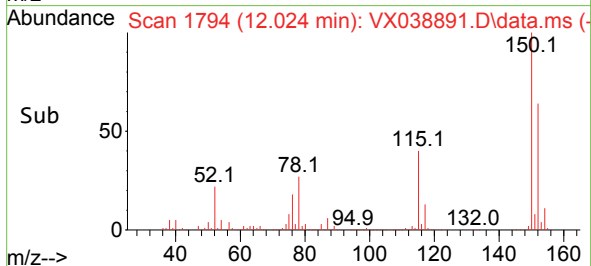
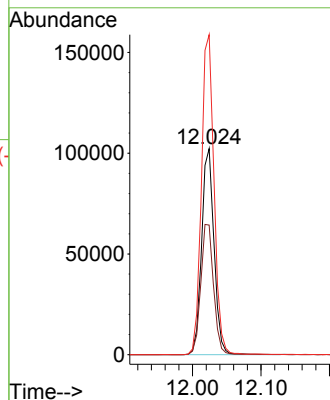
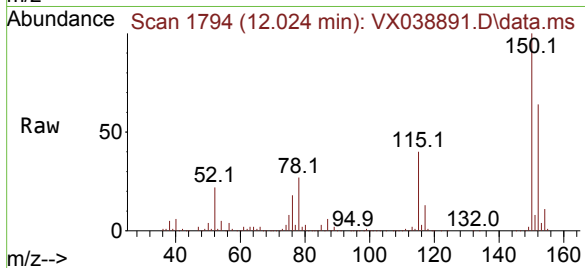
Tgt Ion:152 Resp: 129164

Ion Ratio Lower Upper

152 100

115 65.2 43.3 129.9

150 157.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.799 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038891.D

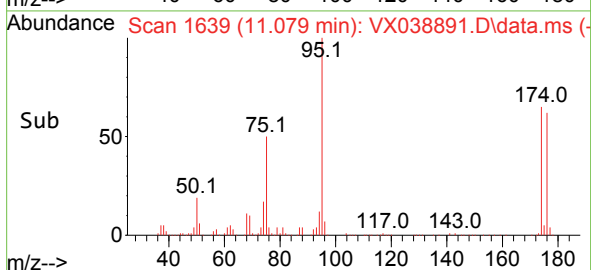
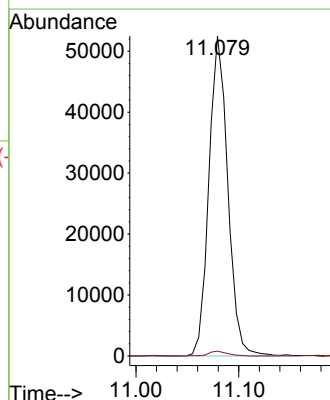
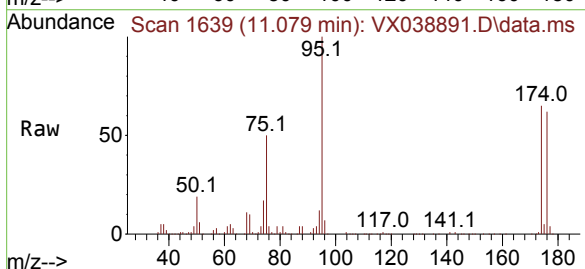
Acq: 17 Nov 2023 19:21

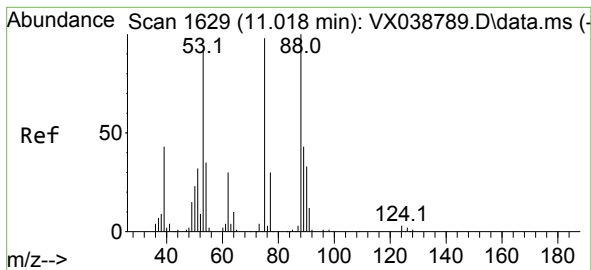
Tgt Ion: 75 Resp: 67028

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.135 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038891.D
 Acq: 17 Nov 2023 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RB21144

Tgt Ion: 75 Resp: 67028
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

