

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039176.D
 Acq On : 12 Dec 2023 19:14
 Operator : JC/MD
 Sample : 05726-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Dec 13 04:20:36 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

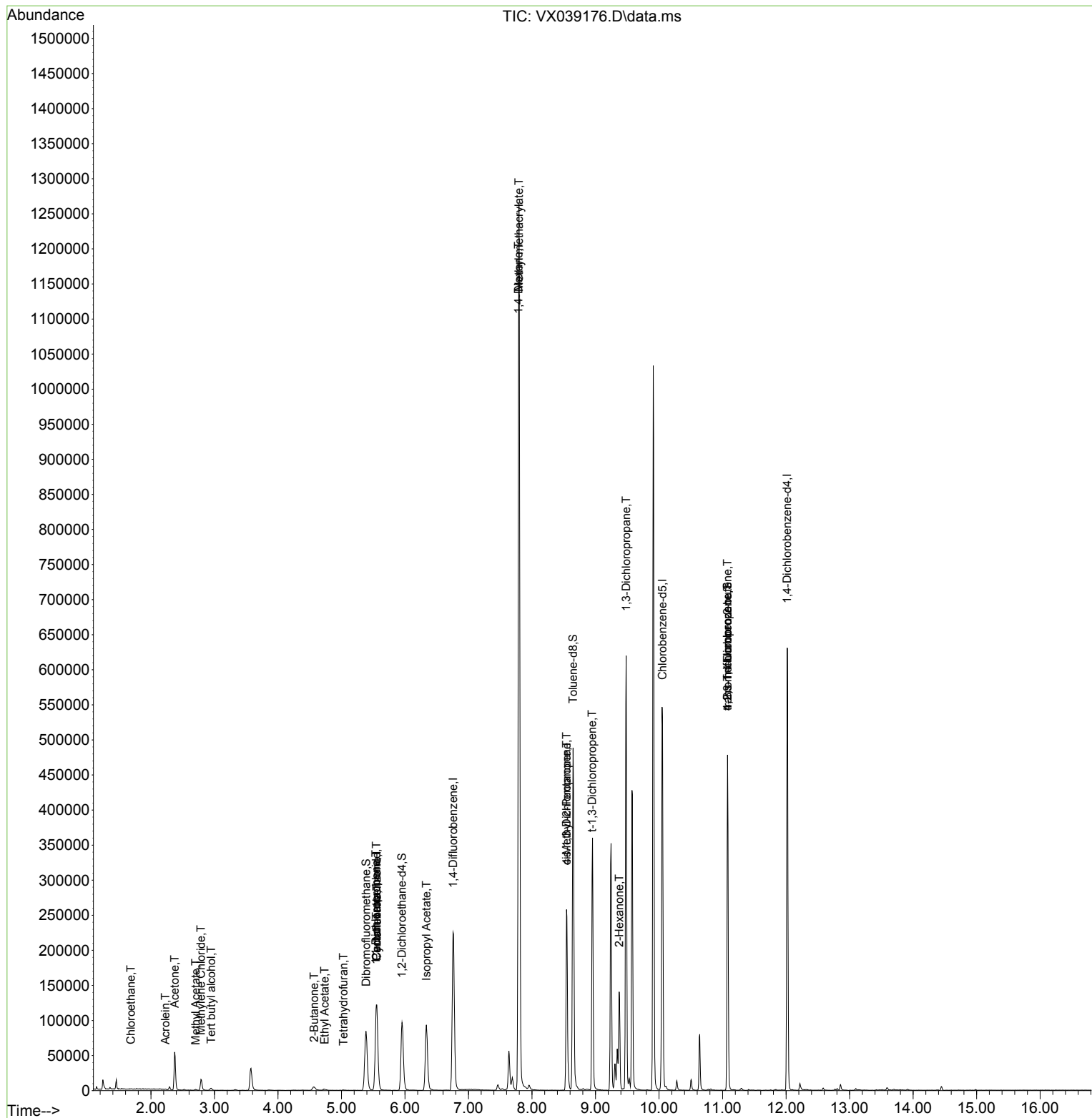
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	107679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	224585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95908	55.276	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.560%
35) Dibromofluoromethane	5.385	113	73634	45.397	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.800%
50) Toluene-d8	8.647	98	284373	45.823	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.640%#
62) 4-Bromofluorobenzene	11.079	95	130194	52.408	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.820%
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	358	0.397	ug/l #	43
11) Tert butyl alcohol	2.947	59	2511	5.203	ug/l	96
13) Acrolein	2.227	56	87	0.341	ug/l #	1
16) Acetone	2.374	43	57019	61.732	ug/l	97
18) Methyl Acetate	2.703	43	1731	0.395	ug/l #	76
20) Methylene Chloride	2.788	84	7058	4.239	ug/l	95
25) 2-Butanone	4.568	43	6114	4.082	ug/l	96
29) Tetrahydrofuran	5.032	42	583	0.613	ug/l #	48
31) Cyclohexane	5.556	56	3228	1.303	ug/l #	4
36) 1,1-Dichloropropene	5.544	75	10612	4.565	ug/l #	50
37) Ethyl Acetate	4.733	43	3450	1.139	ug/l #	92
38) Carbon Tetrachloride	5.550	117	12620	5.874	ug/l #	17
43) Isopropyl Acetate	6.336	43	131314	27.129	ug/l	100
48) Methyl methacrylate	7.793	41	115325	49.106	ug/l #	49
49) 1,4-Dioxane	7.787	88	96	2.113	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	96789	31.290	ug/l #	51
53) t-1,3-Dichloropropene	8.946	75	737	0.253	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	39017	12.978	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	4911	1.668	ug/l #	42
59) 2-Hexanone	9.372	43	108974	43.953	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	71141	24.257	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	71141	53.805	ug/l #	5

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

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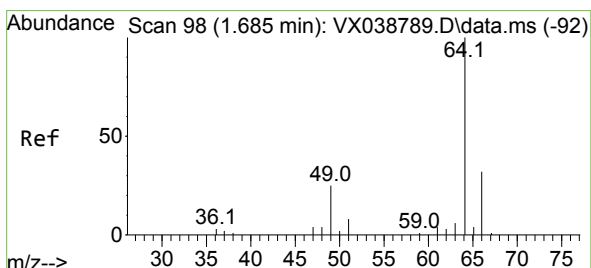
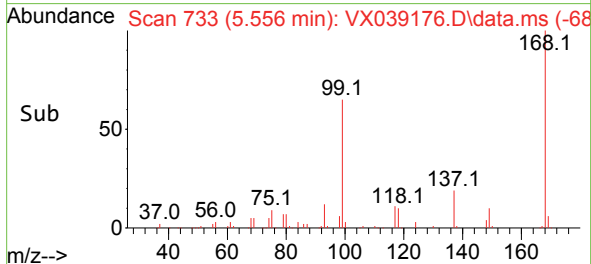
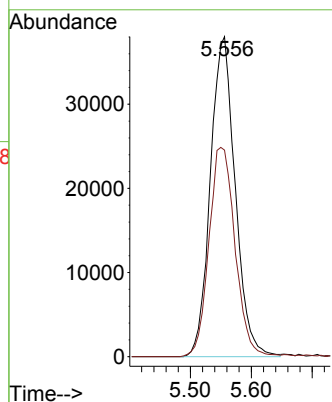
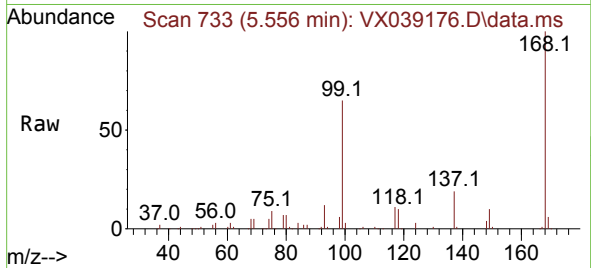




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

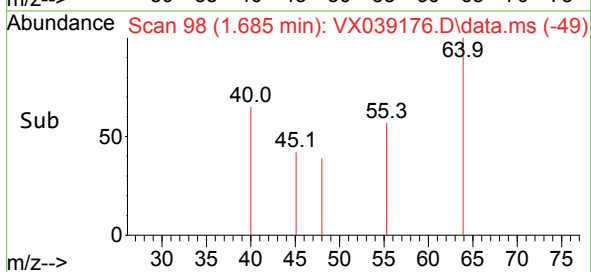
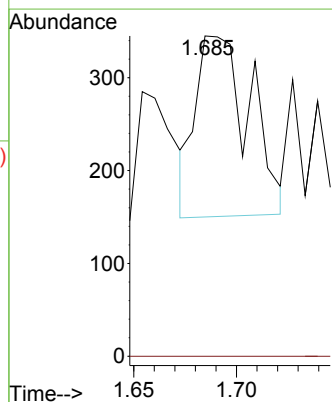
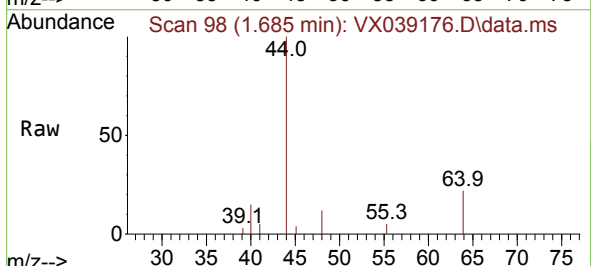
Instrument :
MSVOA_X
ClientSampleId :
WC-1

Tgt Ion:168 Resp: 107679
Ion Ratio Lower Upper
168 100
99 64.6 56.6 85.0



#6
Chloroethane
Concen: 0.397 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion: 64 Resp: 358
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 5.203 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX039176.D

Acq: 12 Dec 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

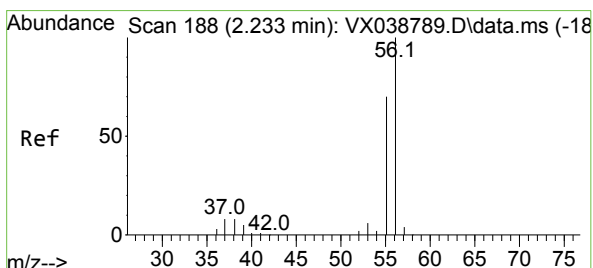
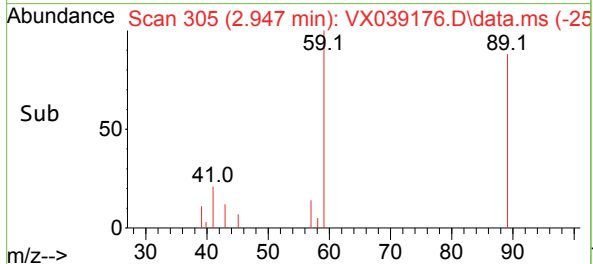
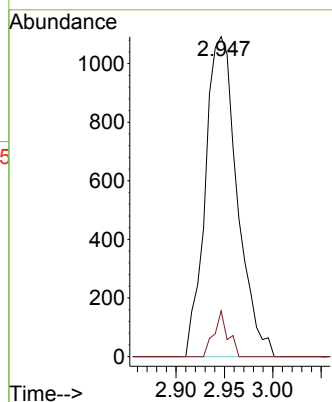
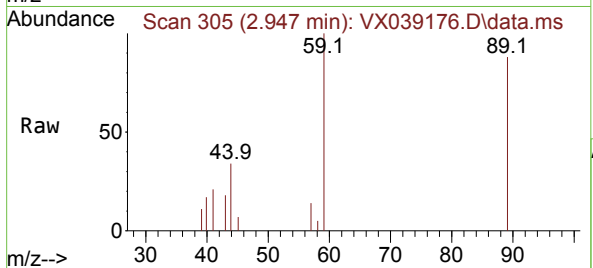
WC-1

Tgt Ion: 59 Resp: 2511

Ion Ratio Lower Upper

59 100

57 6.2 6.0 9.0



#13

Acrolein

Concen: 0.341 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX039176.D

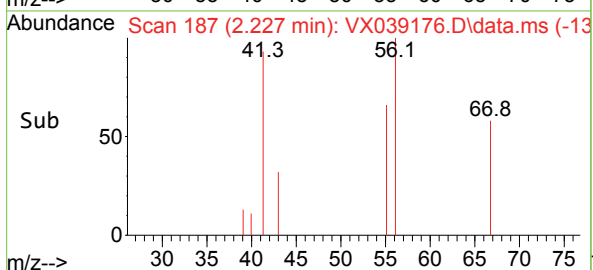
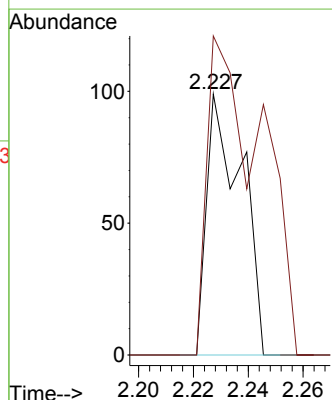
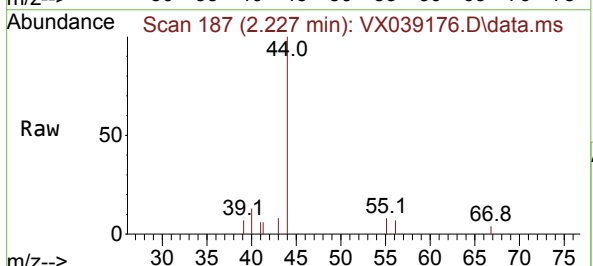
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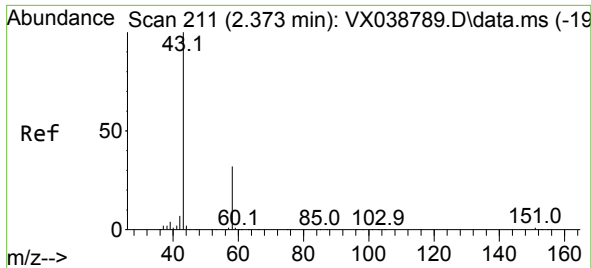
Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 190.8 57.1 85.7#





#16

Acetone

Concen: 61.732 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX039176.D

Acq: 12 Dec 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

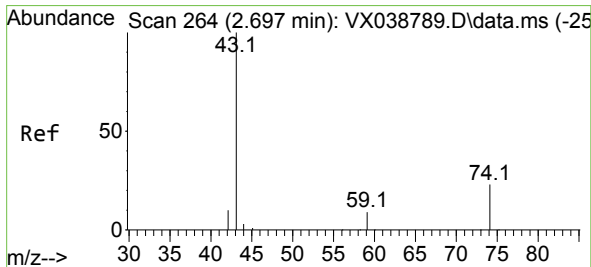
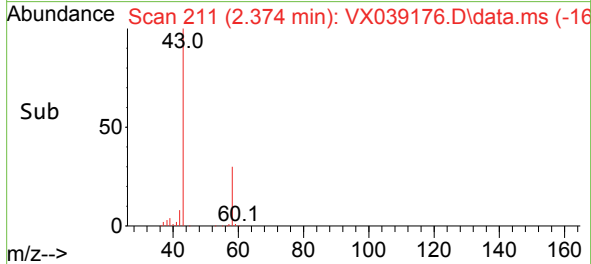
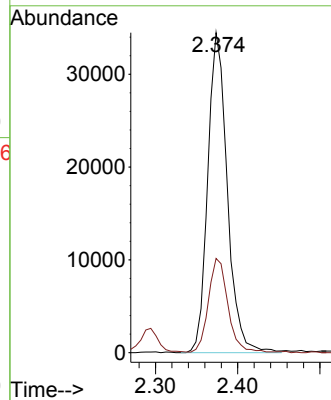
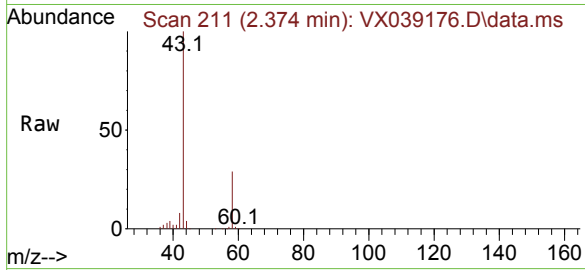
WC-1

Tgt Ion: 43 Resp: 57019

Ion Ratio Lower Upper

43 100

58 29.1 21.9 32.9



#18

Methyl Acetate

Concen: 0.395 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX039176.D

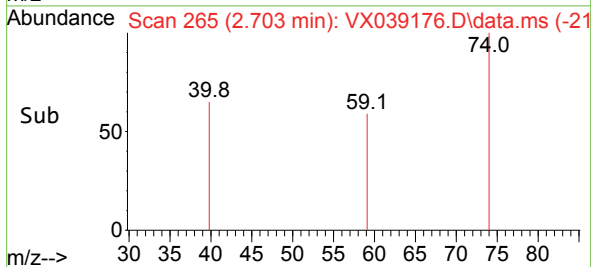
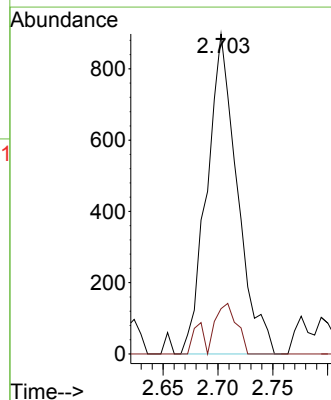
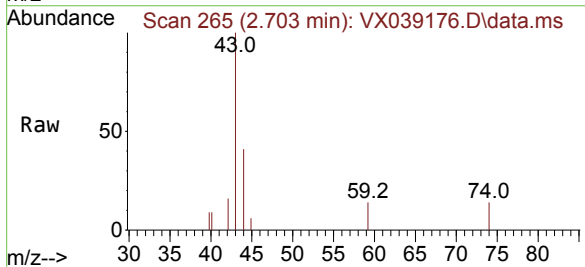
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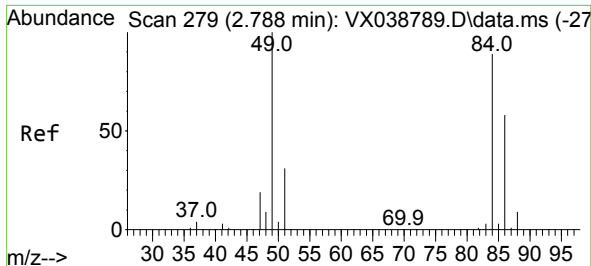
Tgt Ion: 43 Resp: 1731

Ion Ratio Lower Upper

43 100

74 11.0 17.8 26.8#





#20

Methylene Chloride

Concen: 4.239 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX039176.D

Acq: 12 Dec 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

WC-1

Tgt Ion: 84 Resp: 7058

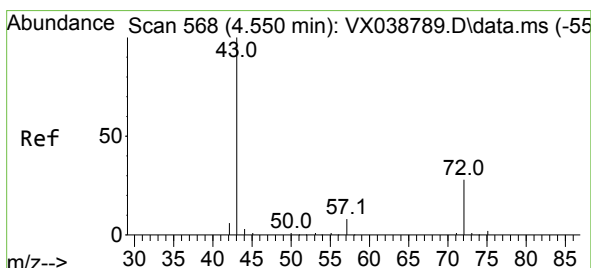
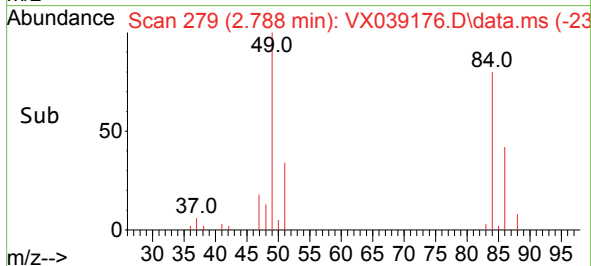
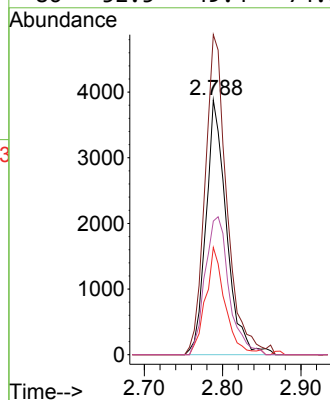
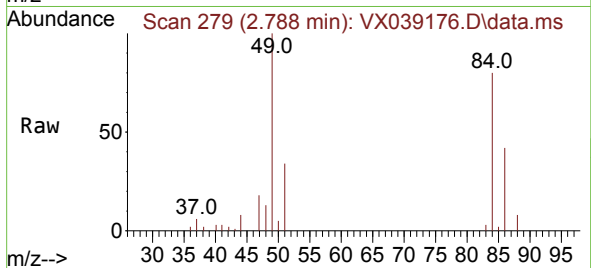
Ion Ratio Lower Upper

84 100

49 125.6 103.6 155.4

51 42.1 33.8 50.6

86 52.5 49.4 74.0



#25

2-Butanone

Concen: 4.082 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.018 min

Lab File: VX039176.D

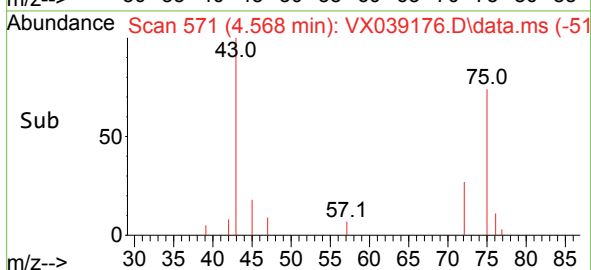
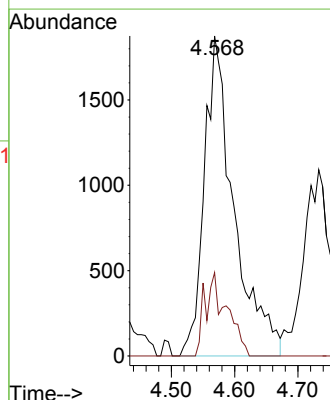
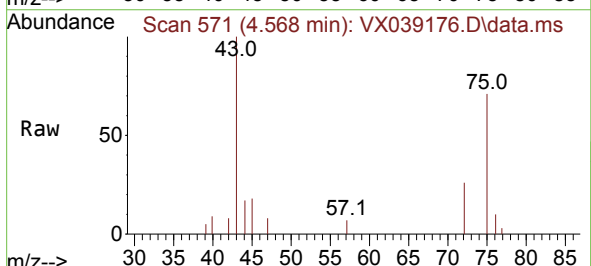
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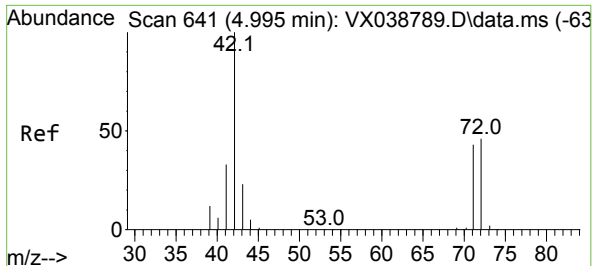
Tgt Ion: 43 Resp: 6114

Ion Ratio Lower Upper

43 100

72 26.1 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.613 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX039176.D

Acq: 12 Dec 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

WC-1

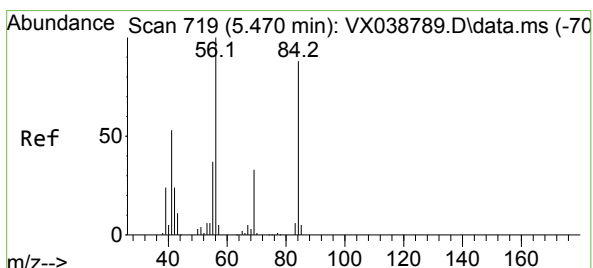
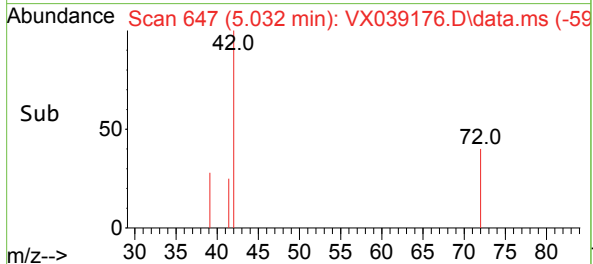
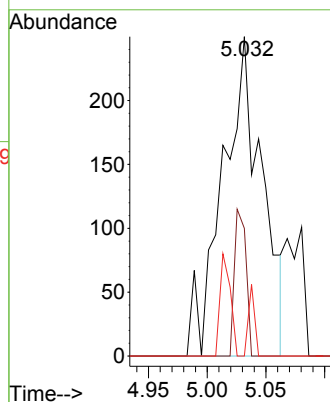
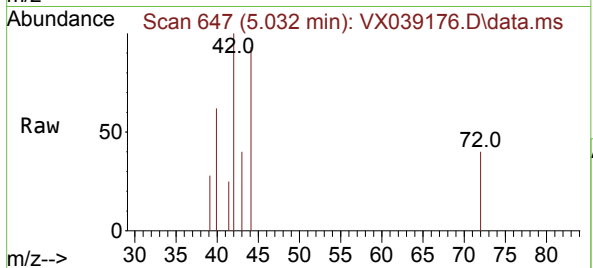
Tgt Ion: 42 Resp: 583

Ion Ratio Lower Upper

42 100

72 13.6 34.2 51.4#

71 3.4 32.2 48.2#



#31

Cyclohexane

Concen: 1.303 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX039176.D

Acq: 12 Dec 2023 19:14

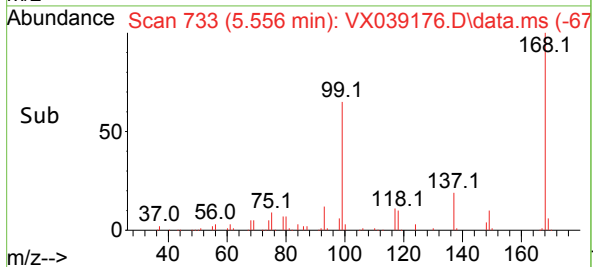
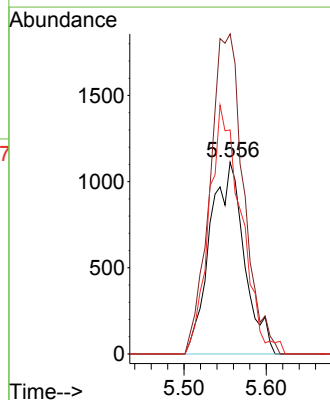
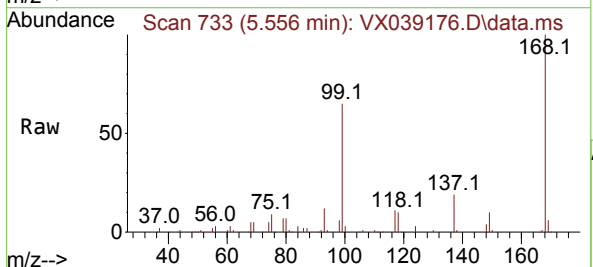
Tgt Ion: 56 Resp: 3228

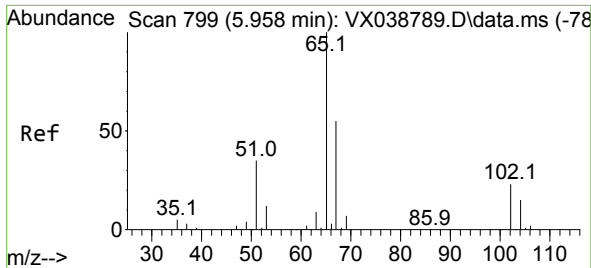
Ion Ratio Lower Upper

56 100

69 167.0 23.4 35.2#

84 116.9 65.9 98.9#

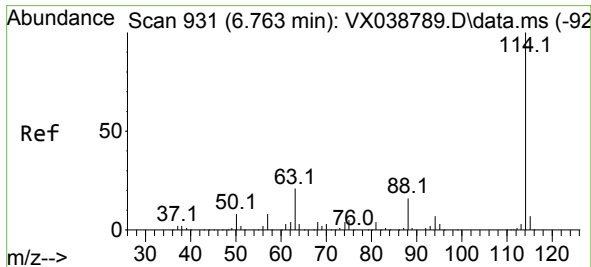
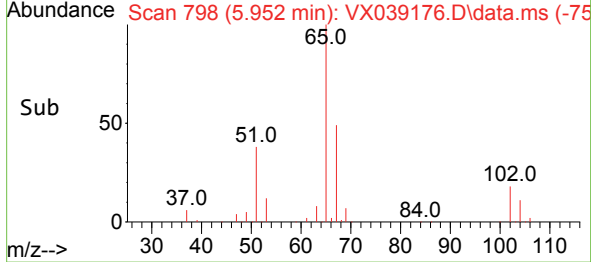
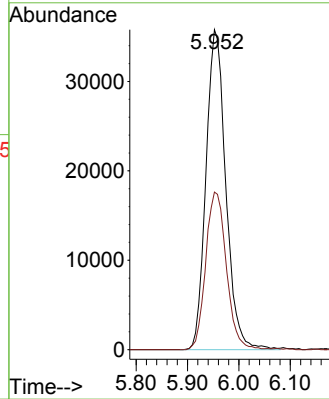
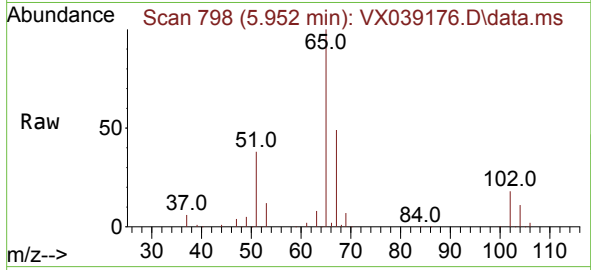




#33
 1,2-Dichloroethane-d4
 Concen: 55.276 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX039176.D
 Acq: 12 Dec 2023 19:14

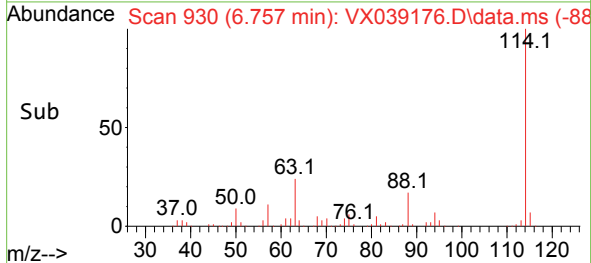
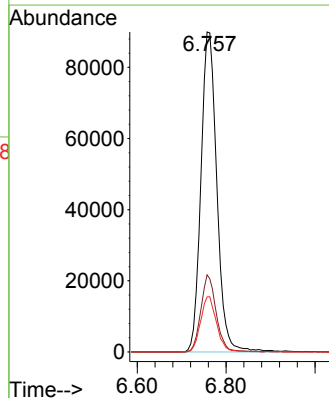
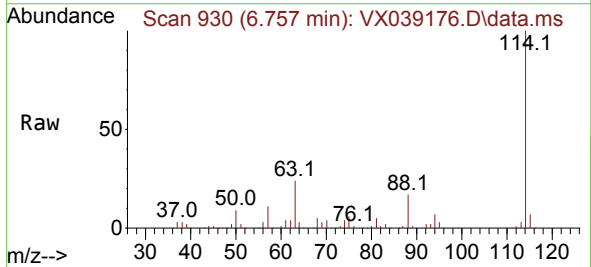
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Tgt Ion: 65 Resp: 95908
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039176.D
 Acq: 12 Dec 2023 19:14

Tgt Ion: 114 Resp: 224585
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.0
 88 17.2 0.0 36.6

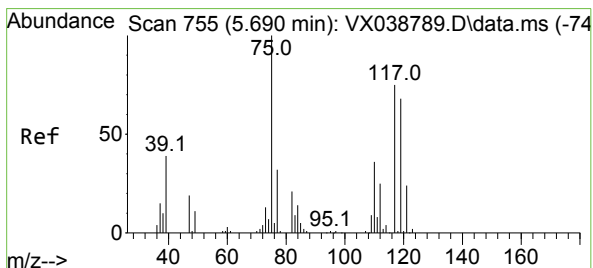
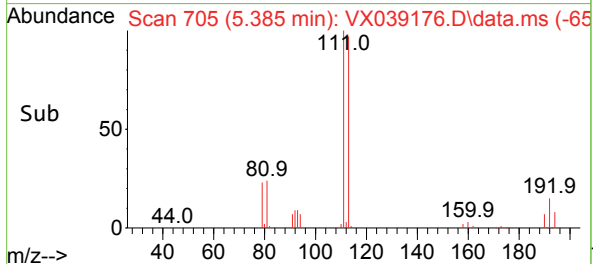
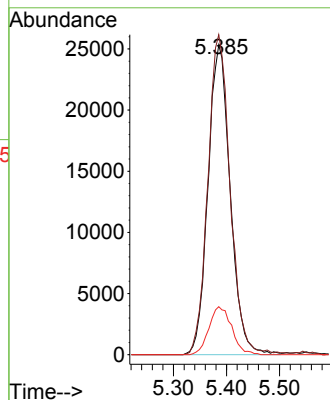
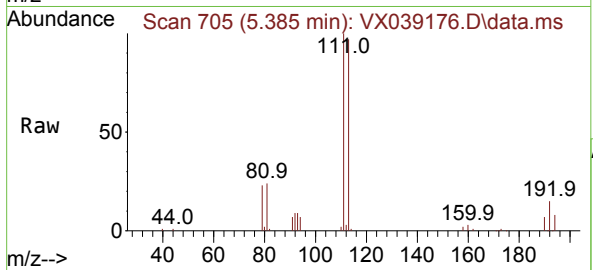




#35
Dibromofluoromethane
Concen: 45.397 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

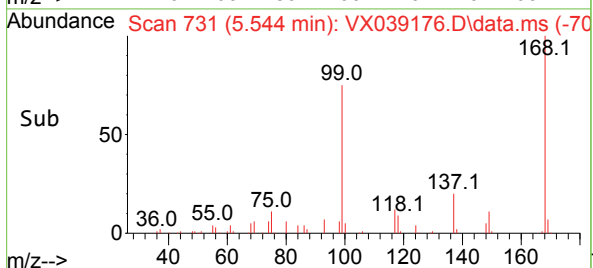
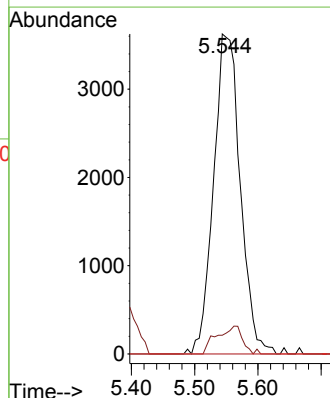
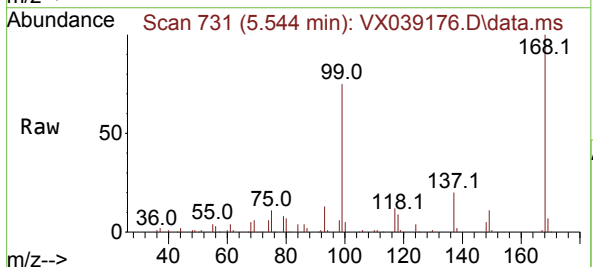
Instrument :
MSVOA_X
ClientSampleId :
WC-1

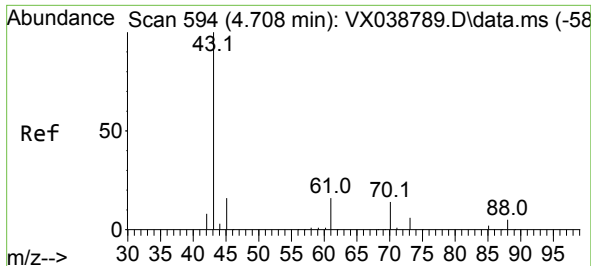
Tgt Ion:113 Resp: 73634
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 15.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.565 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion: 75 Resp: 10612
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.139 ug/l

RT: 4.733 min Scan# 594

Delta R.T. 0.024 min

Lab File: VX039176.D

Acq: 12 Dec 2023 19:14

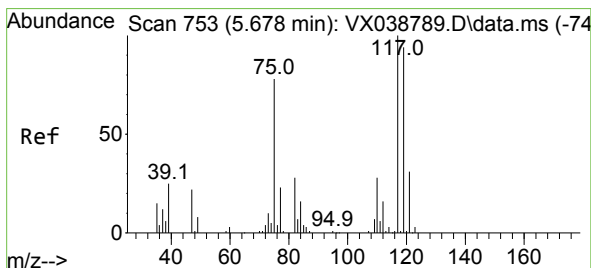
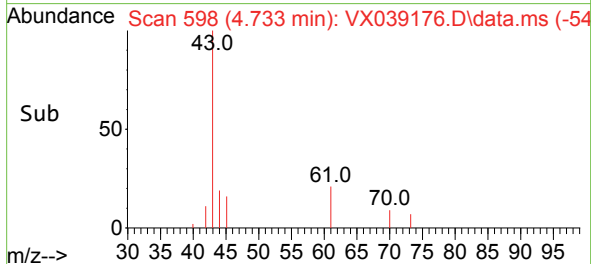
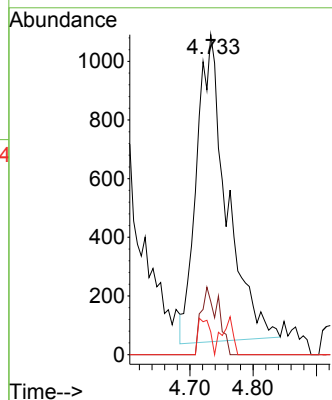
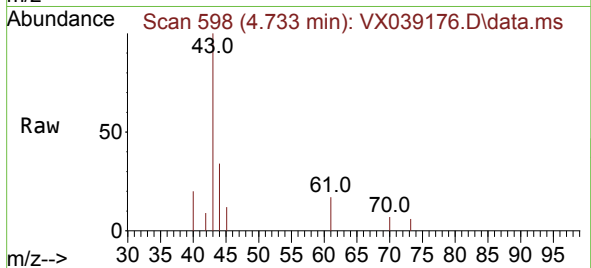
Instrument :

MSVOA_X

ClientSampleId :

WC-1

Tgt Ion: 43	Resp: 3450
Ion Ratio	Lower Upper
43	100
61	12.5 10.6 16.0
70	4.6 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.874 ug/l

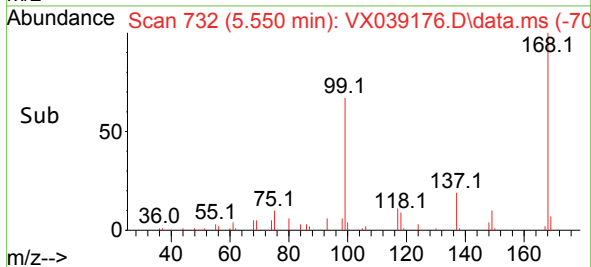
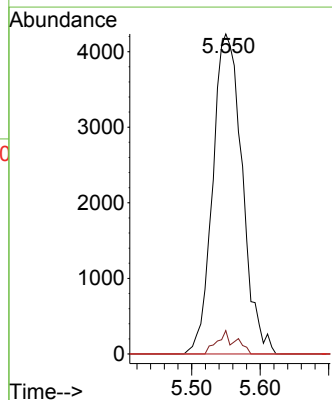
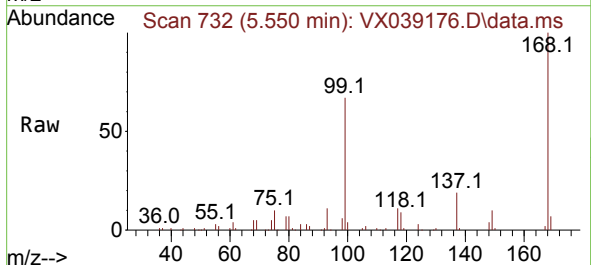
RT: 5.550 min Scan# 732

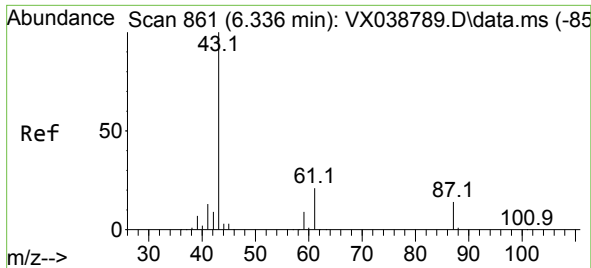
Delta R.T. -0.128 min

Lab File: VX039176.D

Acq: 12 Dec 2023 19:14

Tgt Ion: 117	Resp: 12620
Ion Ratio	Lower Upper
117	100
119	7.3 78.2 117.2#
121	0.0 24.4 36.6#

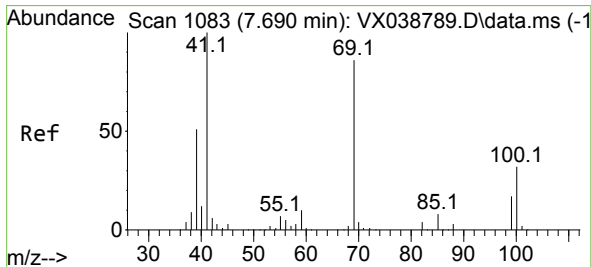
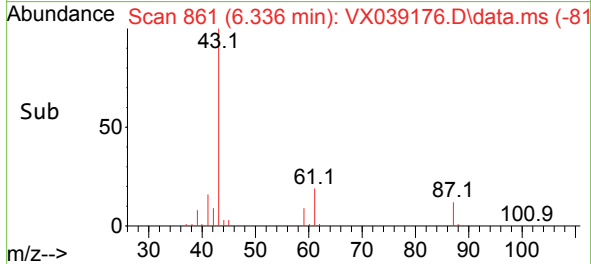
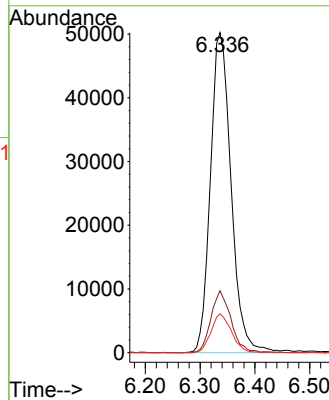
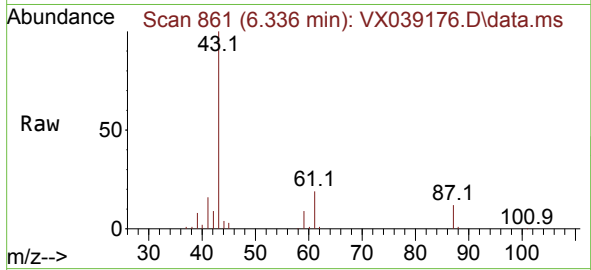




#43
Isopropyl Acetate
Concen: 27.129 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

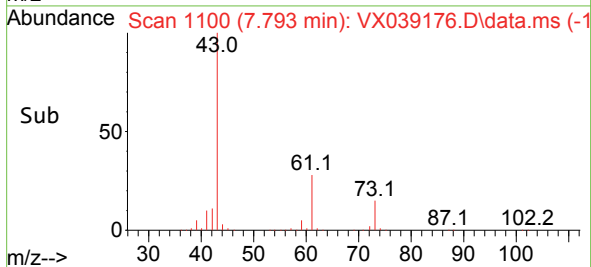
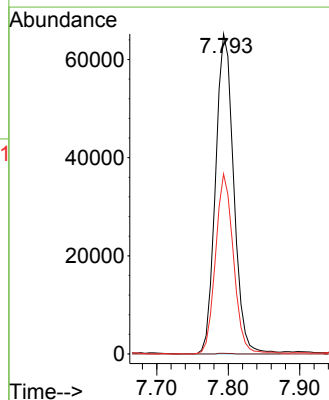
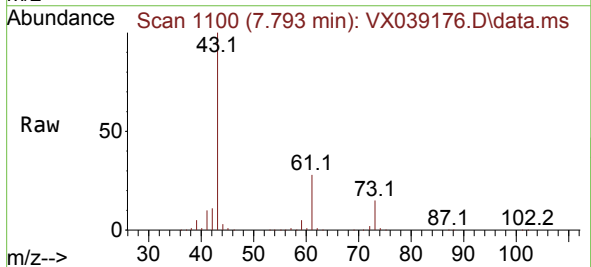
Instrument :
MSVOA_X
ClientSampleId :
WC-1

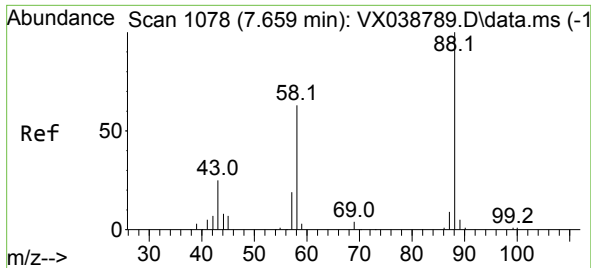
Tgt Ion: 43 Resp: 131314
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 11.9 9.8 14.6



#48
Methyl methacrylate
Concen: 49.106 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion: 41 Resp: 115325
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 55.7 47.7 71.5

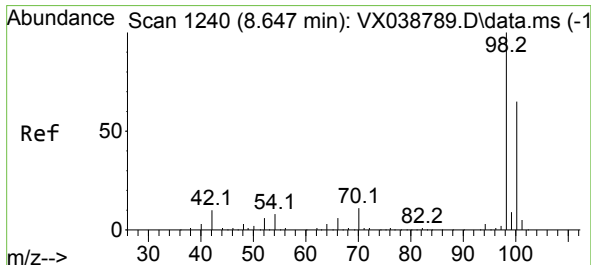
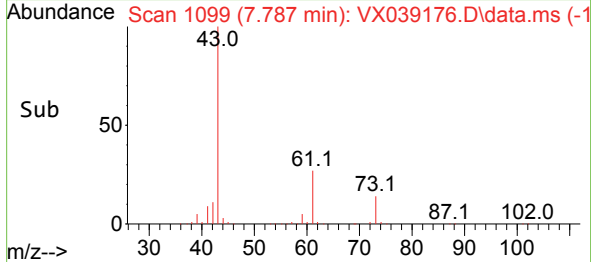
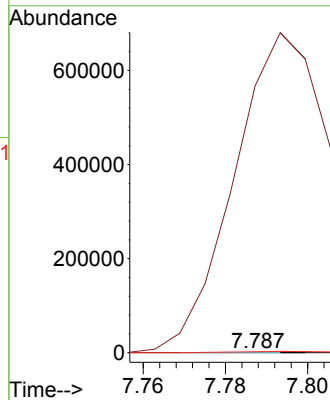
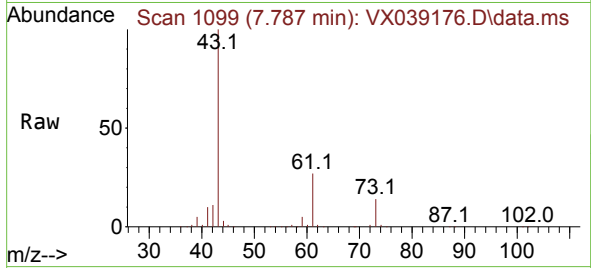




#49
1,4-Dioxane
Concen: 2.113 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

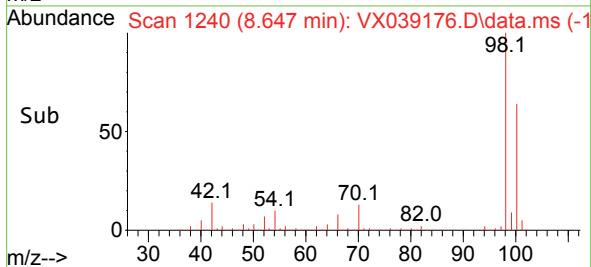
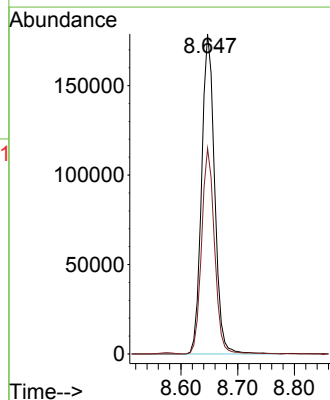
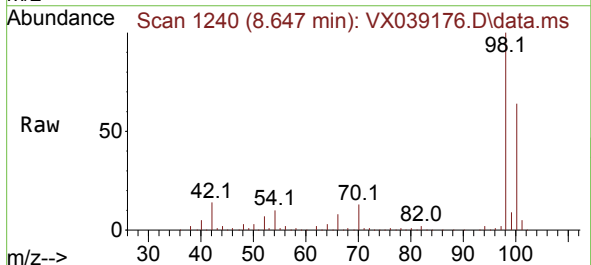
Instrument :
MSVOA_X
ClientSampleId :
WC-1

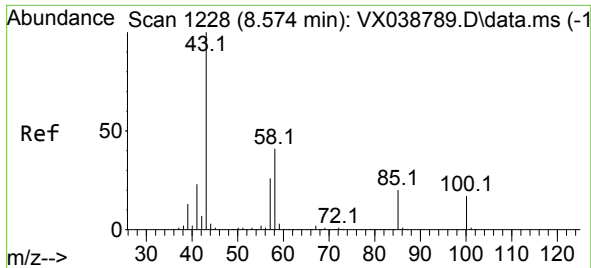
Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 1254710.4 0.0 0.0#
58 5267.7 60.1 90.1#



#50
Toluene-d8
Concen: 45.823 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion: 98 Resp: 284373
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

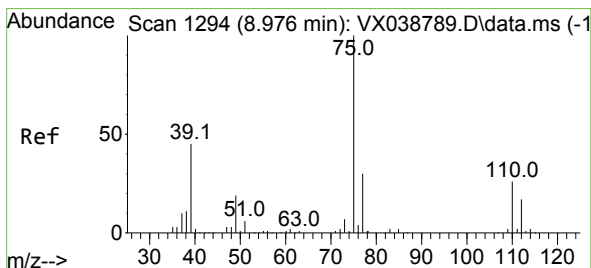
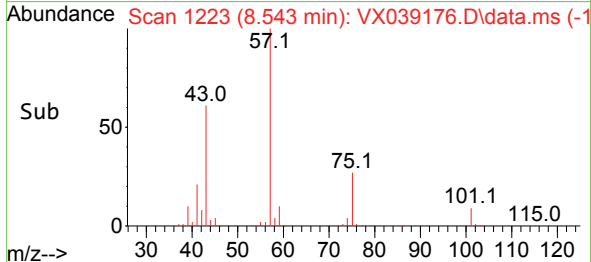
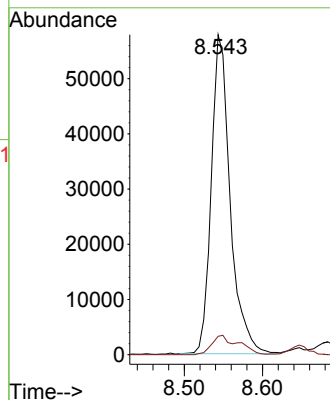
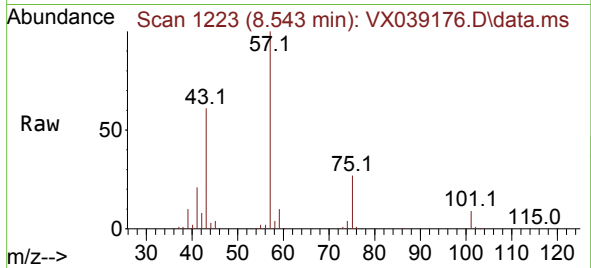




#51
4-Methyl-2-Pentanone
Concen: 31.290 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

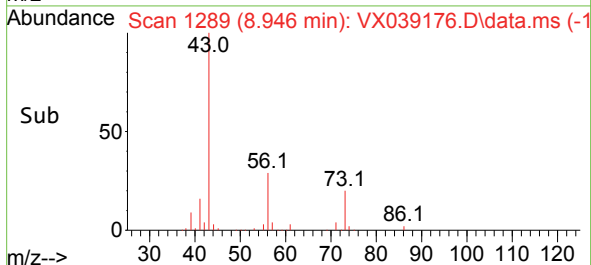
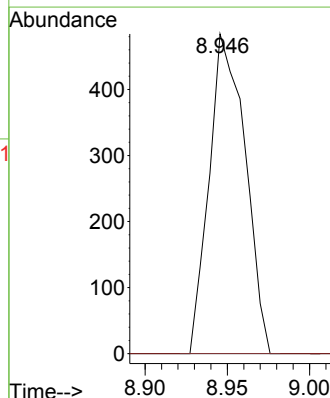
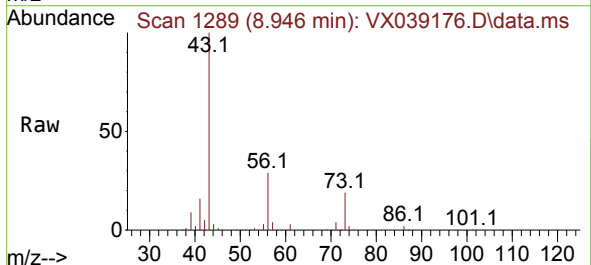
Instrument :
MSVOA_X
ClientSampleId :
WC-1

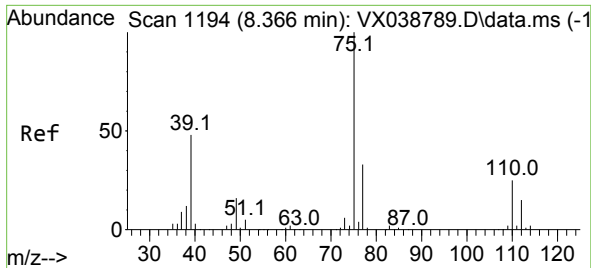
Tgt Ion: 43 Resp: 96789
Ion Ratio Lower Upper
43 100
58 8.6 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion: 75 Resp: 737
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

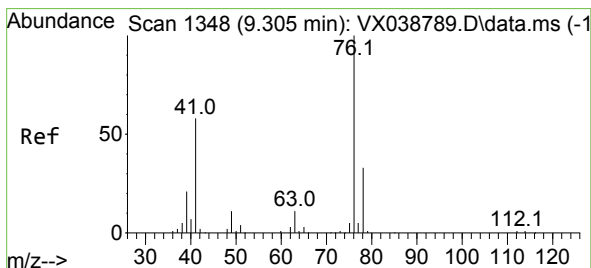
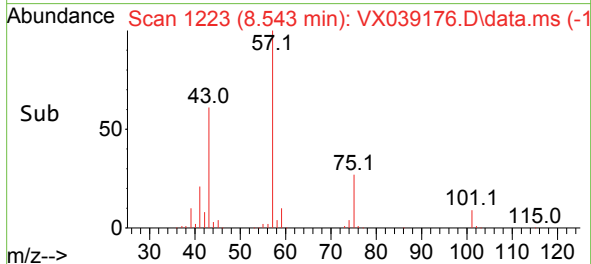
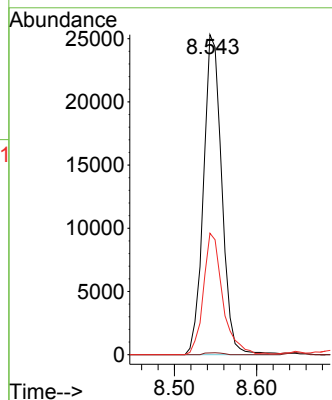
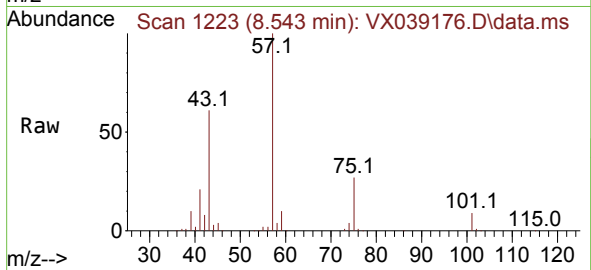




#54
 cis-1,3-Dichloropropene
 Concen: 12.978 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX039176.D
 Acq: 12 Dec 2023 19:14

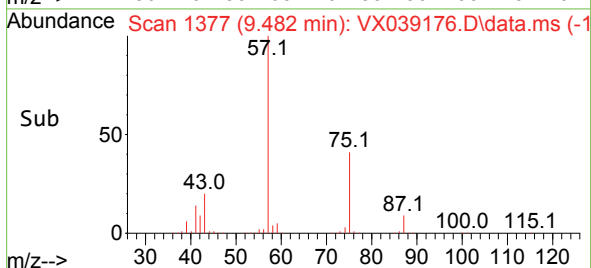
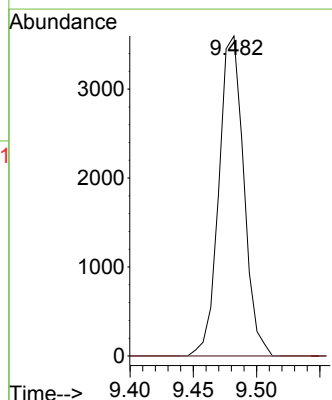
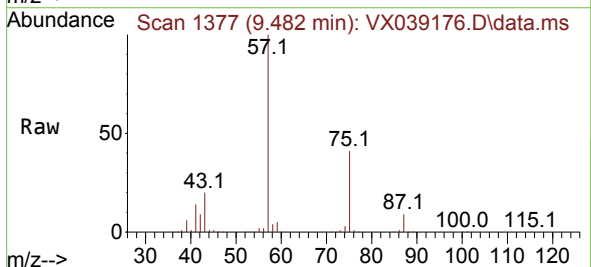
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

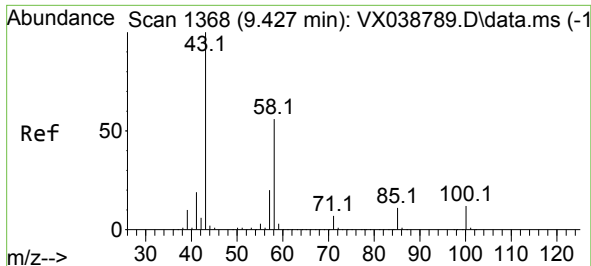
Tgt Ion: 75 Resp: 39017
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 38.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.668 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX039176.D
 Acq: 12 Dec 2023 19:14

Tgt Ion: 76 Resp: 4911
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

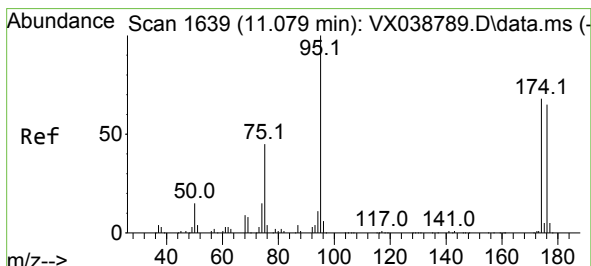
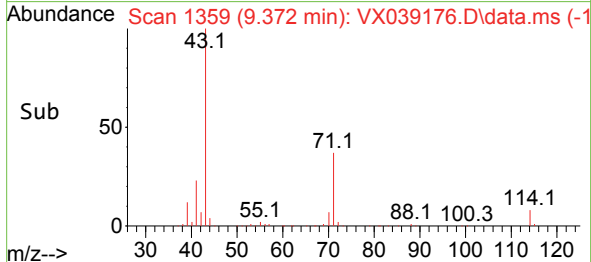
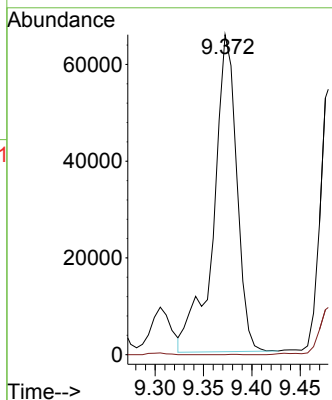
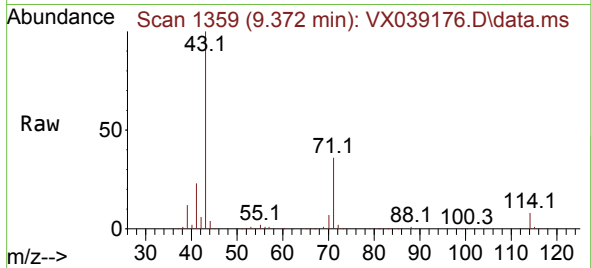




#59
2-Hexanone
Concen: 43.953 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

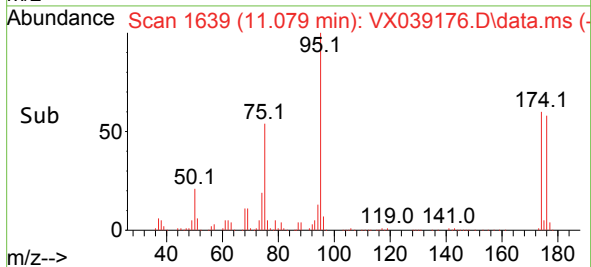
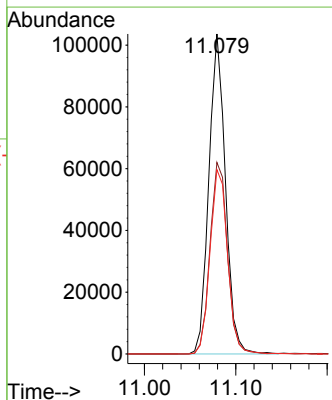
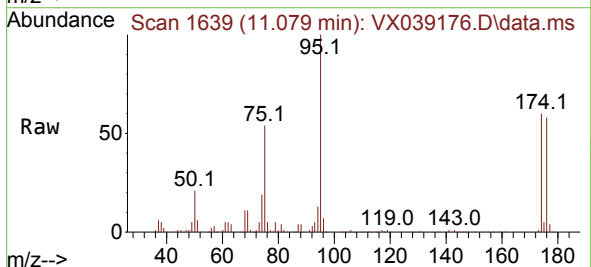
Instrument :
MSVOA_X
ClientSampleId :
WC-1

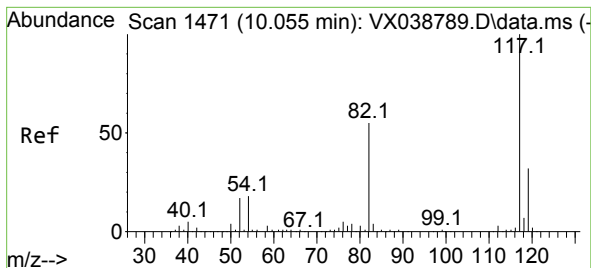
Tgt Ion: 43 Resp: 108974
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.408 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion: 95 Resp: 130194
Ion Ratio Lower Upper
95 100
174 63.1 0.0 135.6
176 61.2 0.0 131.0

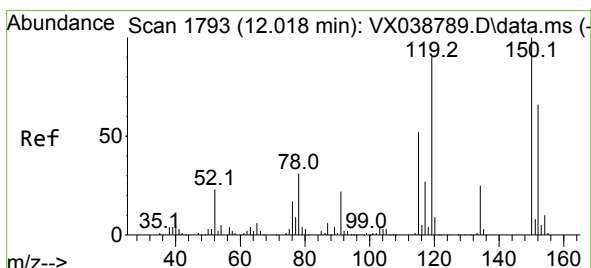
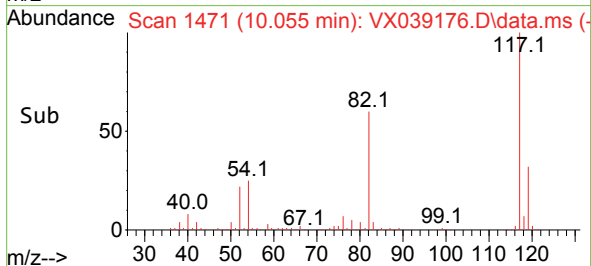
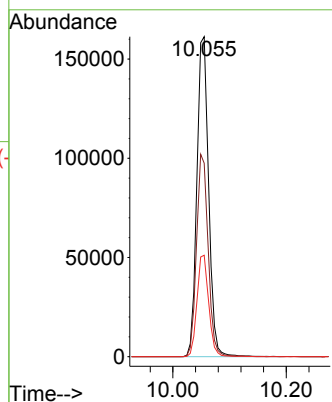
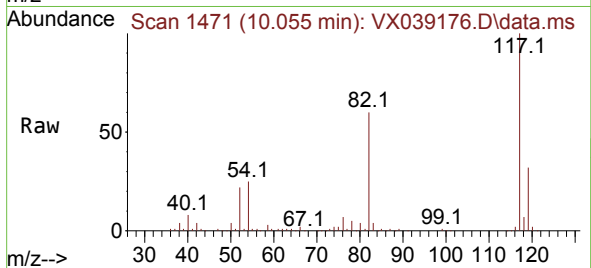




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

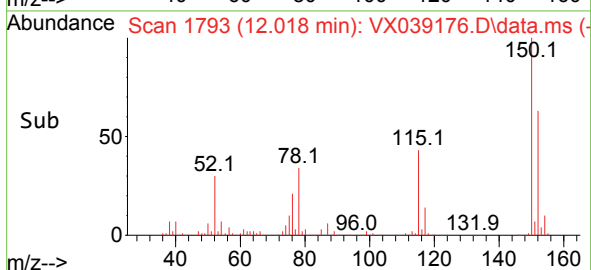
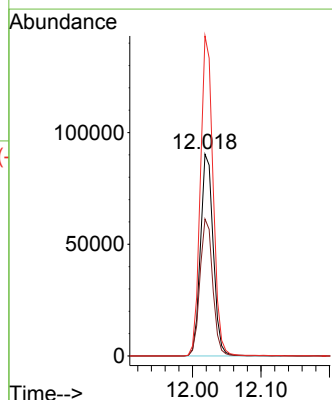
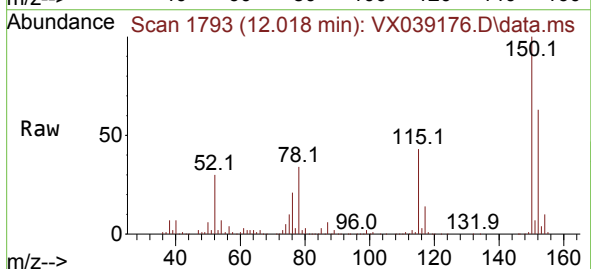
Instrument :
MSVOA_X
ClientSampleId :
WC-1

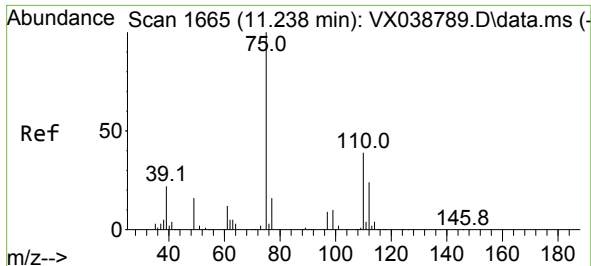
Tgt Ion:117 Resp: 231517
Ion Ratio Lower Upper
117 100
82 60.5 46.2 69.4
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion:152 Resp: 117547
Ion Ratio Lower Upper
152 100
115 68.0 43.3 129.9
150 157.2 0.0 345.0

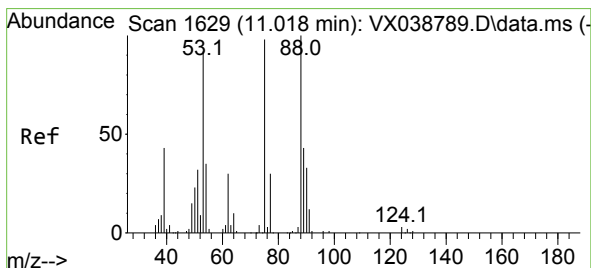
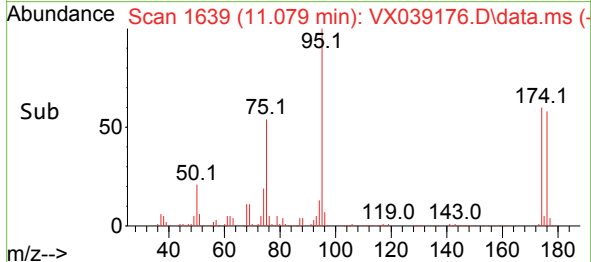
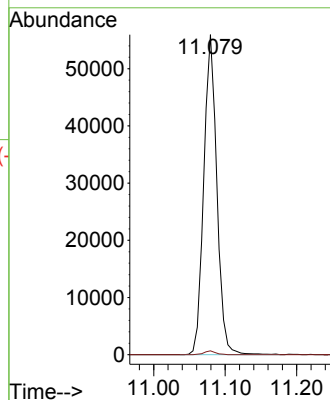
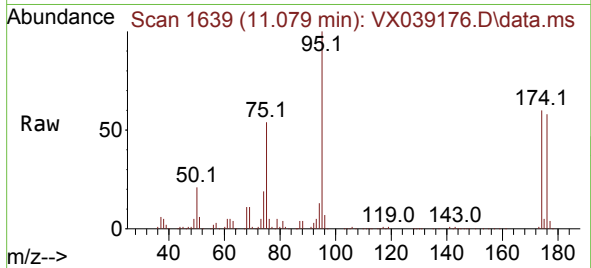




#76
1,2,3-Trichloropropane
Concen: 24.257 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Instrument :
MSVOA_X
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 71141
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039176.D
Acq: 12 Dec 2023 19:14

Tgt Ion: 75 Resp: 71141
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

