

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038741.D
 Acq On : 10 Nov 2023 20:01
 Operator : JC/MD
 Sample : 05351-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11985

Quant Time: Nov 11 01:59:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

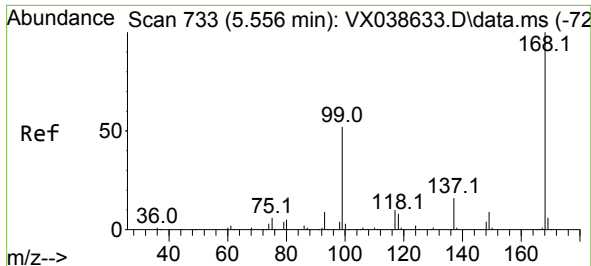
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	259002	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	440065	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	469650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	265356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151293	46.920	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.840%		
35) Dibromofluoromethane	5.391	113	142479	44.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.900%		
50) Toluene-d8	8.647	98	531256	46.841	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.680%		
62) 4-Bromofluorobenzene	11.079	95	227567	51.752	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.500%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.947	59	899	1.364	ug/l	# 78
16) Acetone	2.374	43	36447	26.839	ug/l	90
18) Methyl Acetate	2.703	43	1755	0.303	ug/l	92
20) Methylene Chloride	2.794	84	7148	2.611	ug/l	# 83
25) 2-Butanone	4.593	43	2943	1.496	ug/l	# 73
29) Tetrahydrofuran	5.038	42	578	0.472	ug/l	# 42
31) Cyclohexane	5.562	56	4326	1.212	ug/l	# 2
36) 1,1-Dichloropropene	5.556	75	16919	4.297	ug/l	# 52
37) Ethyl Acetate	4.733	43	3810	0.948	ug/l	96
38) Carbon Tetrachloride	5.556	117	24835	5.643	ug/l	# 14
43) Isopropyl Acetate	6.342	43	146662	23.732	ug/l	# 92
44) Trichloroethene	7.129	130	4833	1.370	ug/l	89
48) Methyl methacrylate	7.799	41	117379	39.412	ug/l	# 47
49) 1,4-Dioxane	7.793	88	170	2.507	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	115644	28.721	ug/l	# 52
54) cis-1,3-Dichloropropene	8.549	75	62736	13.539	ug/l	# 53
57) 1,3-Dichloropropane	9.482	76	7210	1.469	ug/l	# 42
59) 2-Hexanone	9.378	43	139737	42.892	ug/l	# 26
76) 1,2,3-Trichloropropane	11.079	75	109184	20.776	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	109184	63.228	ug/l	# 5

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

Quant Time: Nov 11 01:59:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration

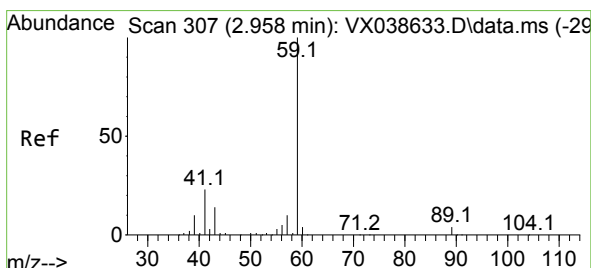
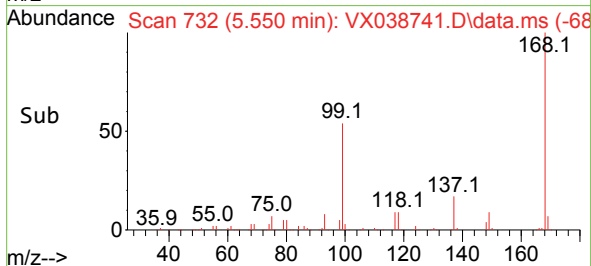
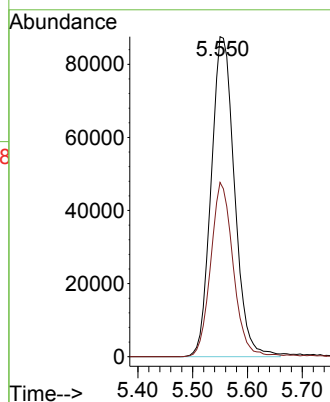
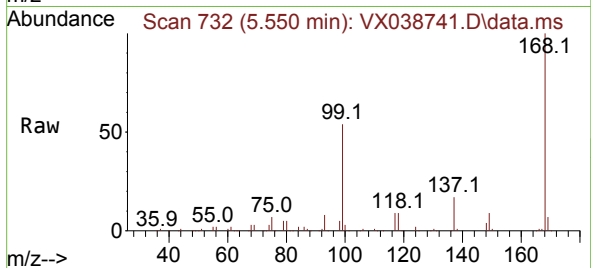




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

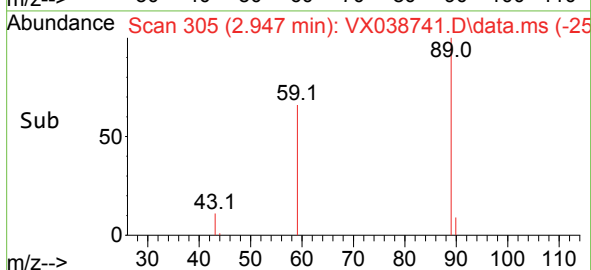
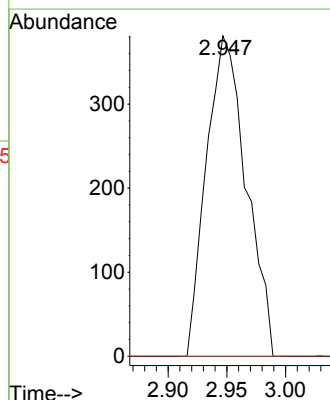
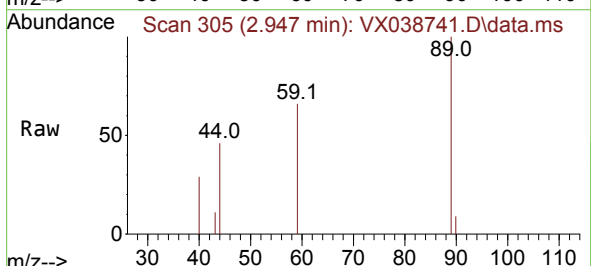
Instrument :
MSVOA_X
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72-11985

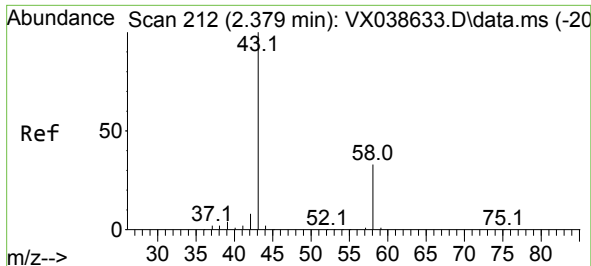
Tgt Ion:168 Resp: 259002
Ion Ratio Lower Upper
168 100
99 54.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.364 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion: 59 Resp: 899
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 26.839 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX038741.D

Acq: 10 Nov 2023 20:01

Instrument :

MSVOA_X

ClientSampleId :

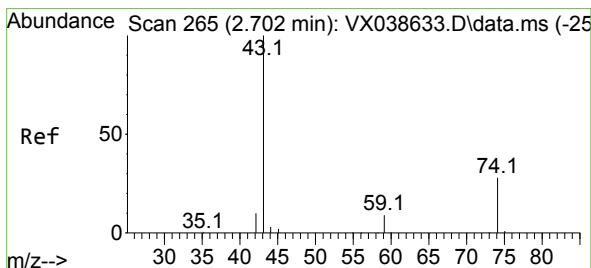
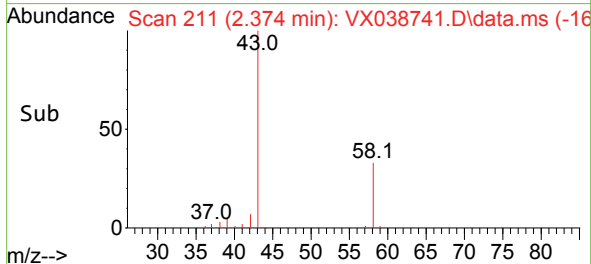
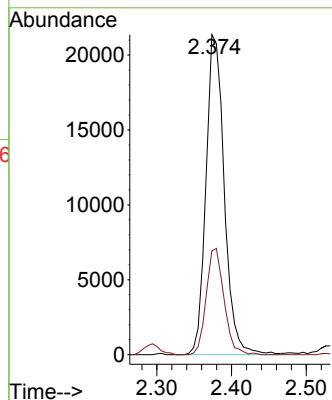
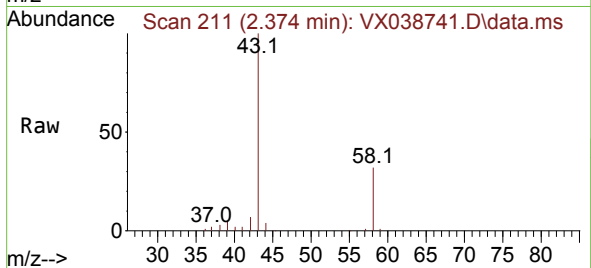
72-11985

Tgt Ion: 43 Resp: 36447

Ion Ratio Lower Upper

43 100

58 32.4 21.9 32.9



#18

Methyl Acetate

Concen: 0.303 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX038741.D

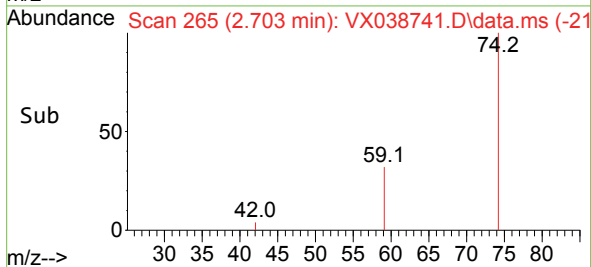
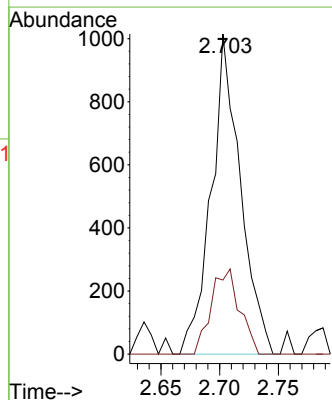
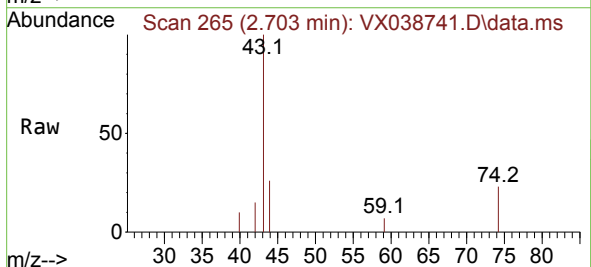
Acq: 10 Nov 2023 20:01

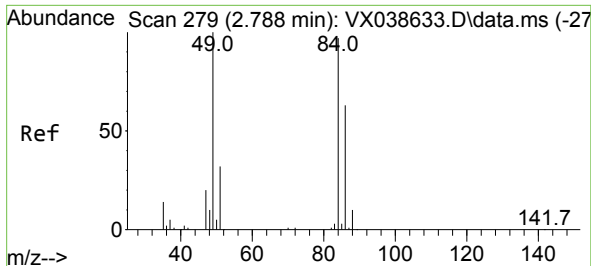
Tgt Ion: 43 Resp: 1755

Ion Ratio Lower Upper

43 100

74 25.9 17.8 26.8

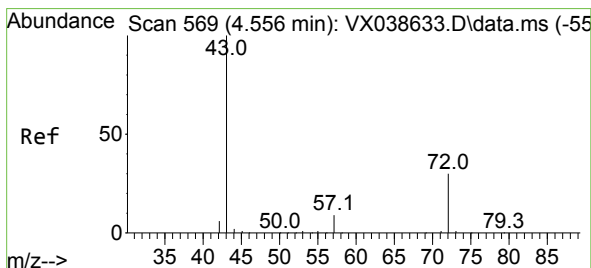
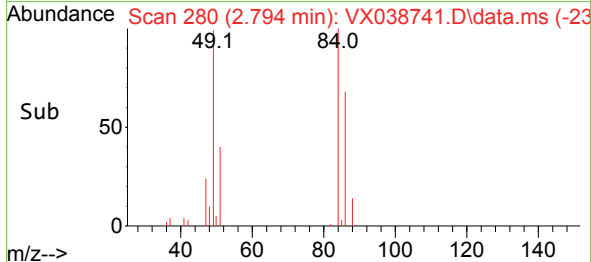
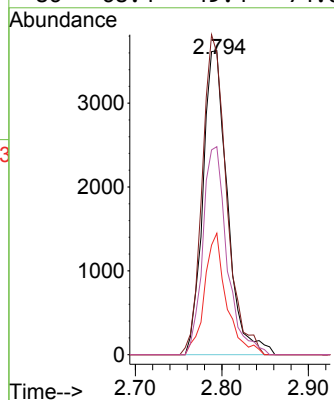
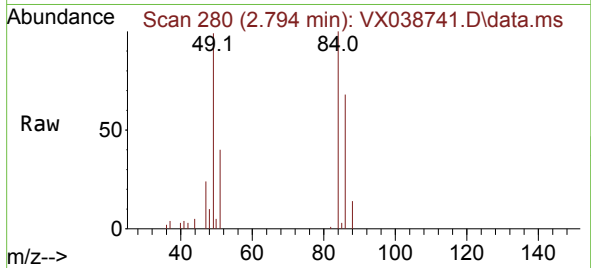




#20
Methylene Chloride
Concen: 2.611 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

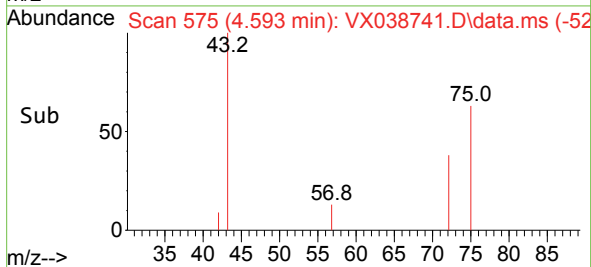
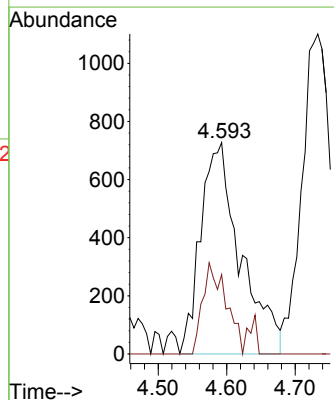
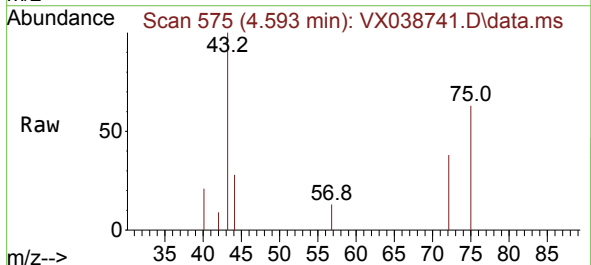
Instrument :
MSVOA_X
ClientSampleId :
72-11985

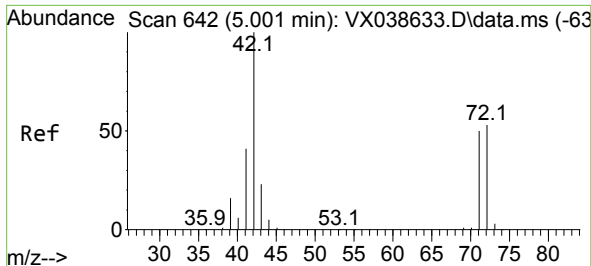
Tgt Ion: 84 Resp: 7148
Ion Ratio Lower Upper
84 100
49 99.3 103.6 155.4#
51 39.9 33.8 50.6
86 68.4 49.4 74.0



#25
2-Butanone
Concen: 1.496 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion: 43 Resp: 2943
Ion Ratio Lower Upper
43 100
72 37.6 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.472 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX038741.D

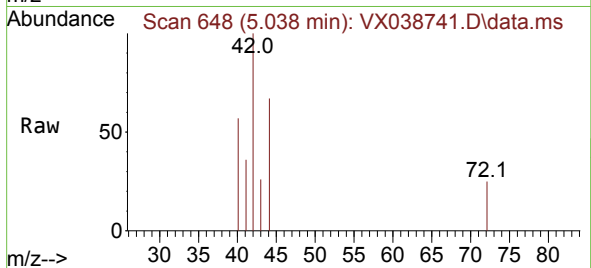
Acq: 10 Nov 2023 20:01

Instrument :

MSVOA_X

ClientSampleId :

72-11985



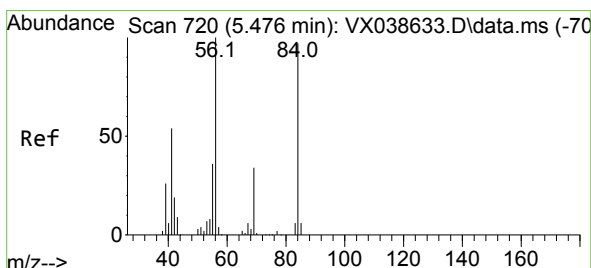
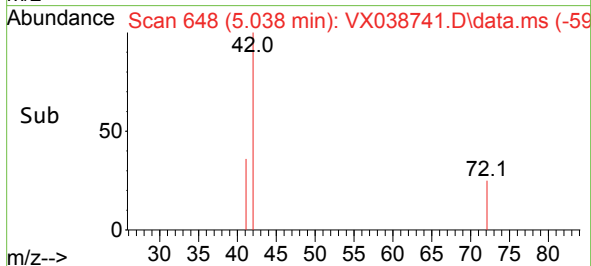
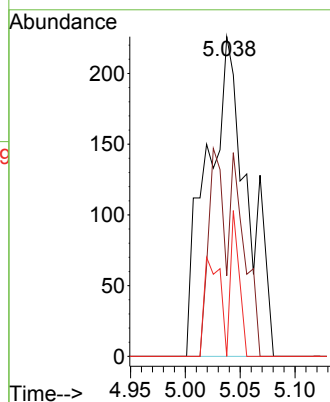
Tgt Ion: 42 Resp: 578

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 9.9 32.2 48.2#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX038741.D

Acq: 10 Nov 2023 20:01

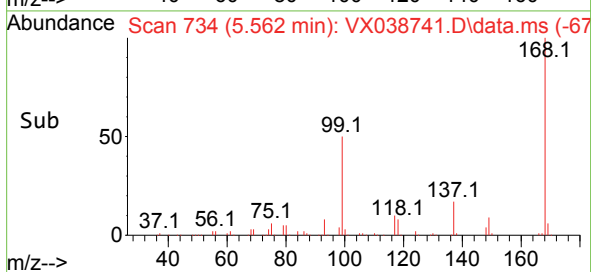
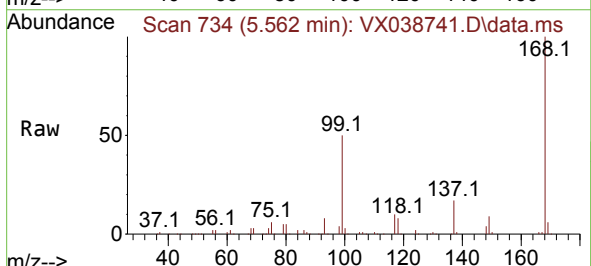
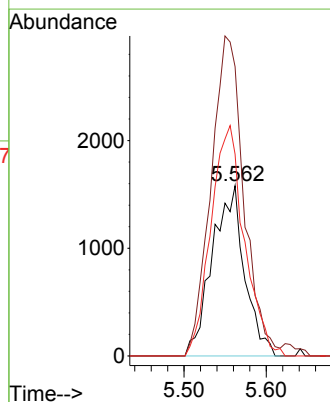
Tgt Ion: 56 Resp: 4326

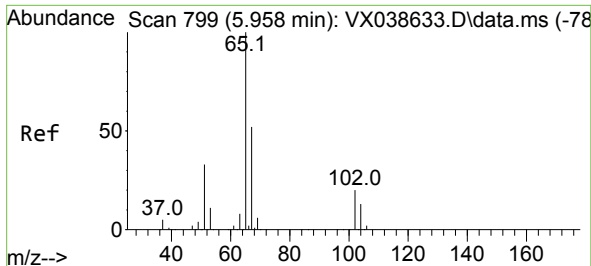
Ion Ratio Lower Upper

56 100

69 169.9 23.4 35.2#

84 118.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.920 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038741.D

Acq: 10 Nov 2023 20:01

Instrument :

MSVOA_X

ClientSampleId :

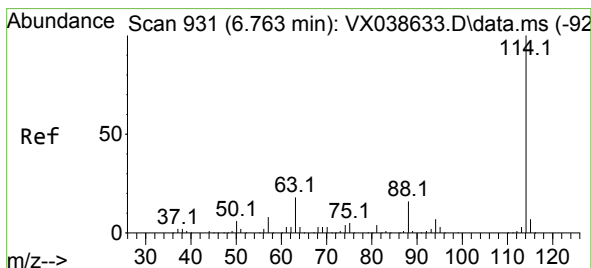
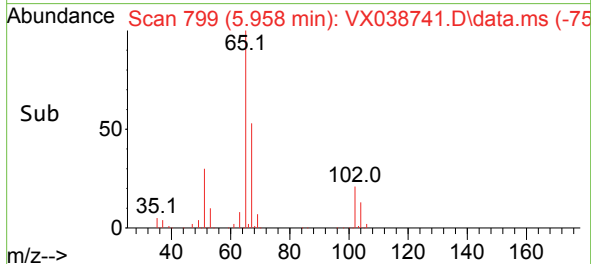
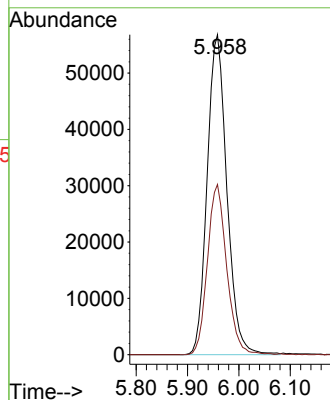
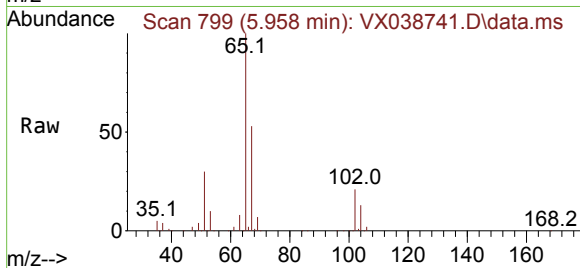
72-11985

Tgt Ion: 65 Resp: 151293

Ion Ratio Lower Upper

65 100

67 52.1 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: VX038741.D

Acq: 10 Nov 2023 20:01

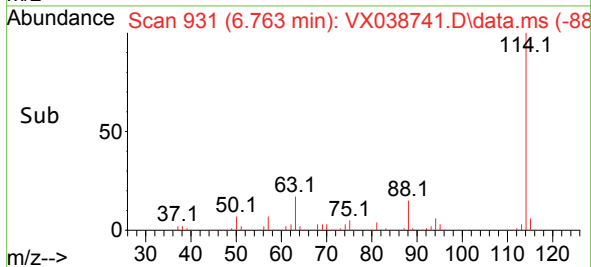
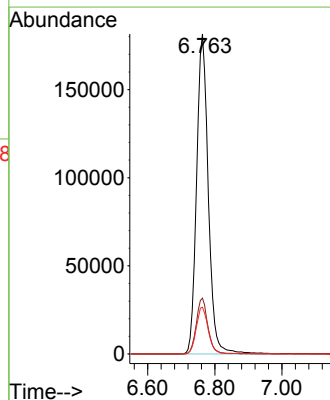
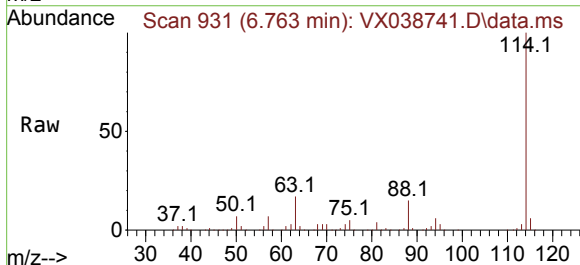
Tgt Ion: 114 Resp: 440065

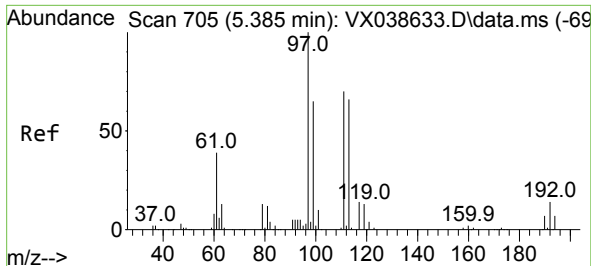
Ion Ratio Lower Upper

114 100

63 17.5 0.0 45.0

88 14.6 0.0 36.6

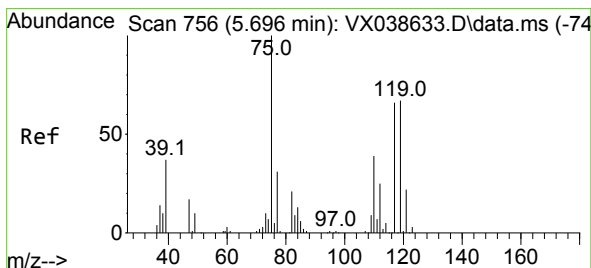
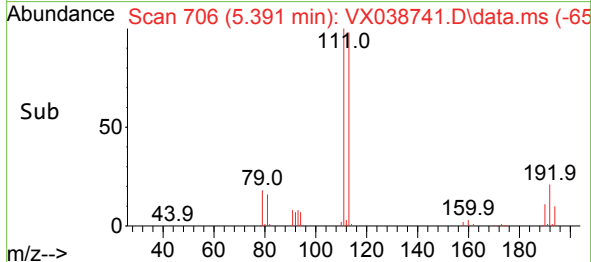
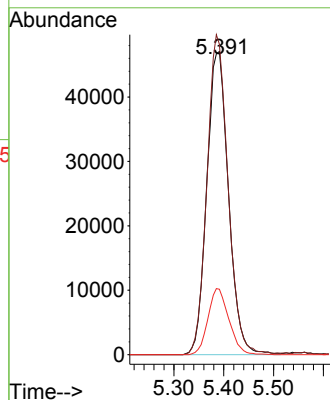
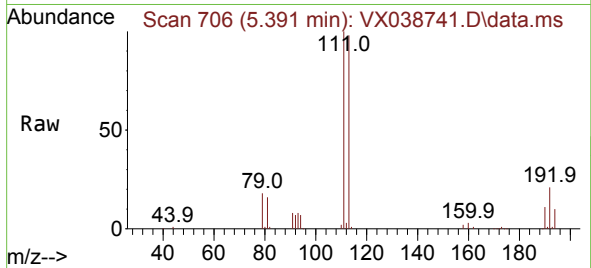




#35
Dibromofluoromethane
Concen: 44.953 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

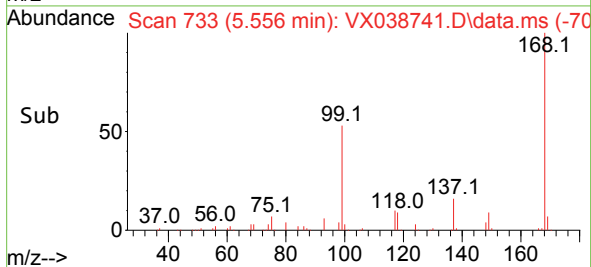
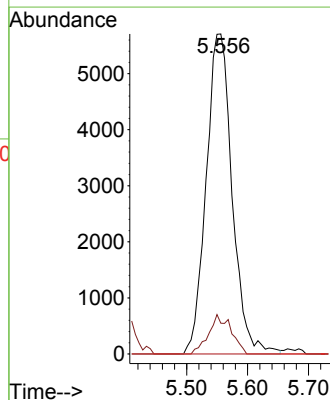
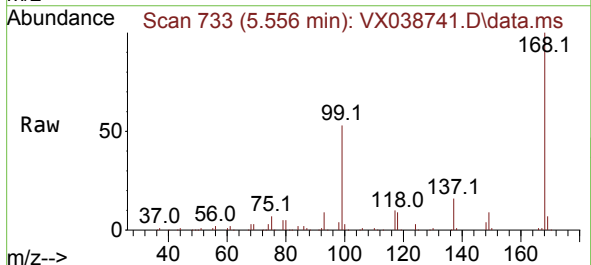
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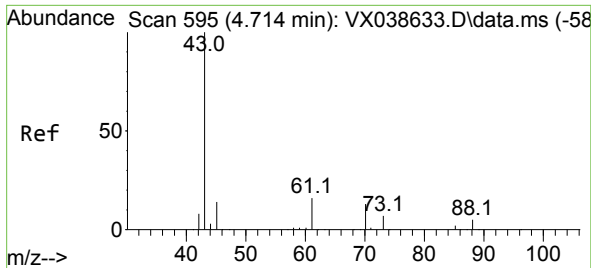
Tgt Ion:113 Resp: 142479
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 21.0 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.297 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion: 75 Resp: 16919
Ion Ratio Lower Upper
75 100
110 10.6 17.0 50.9#
77 0.0 24.7 37.1#

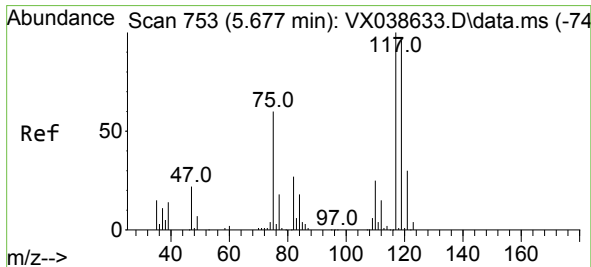
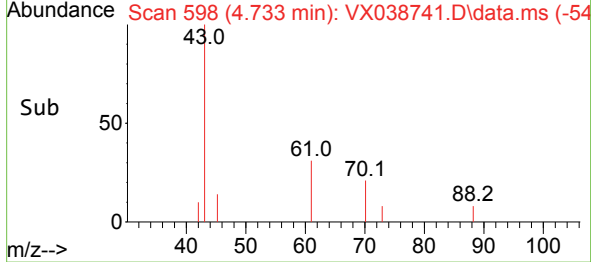
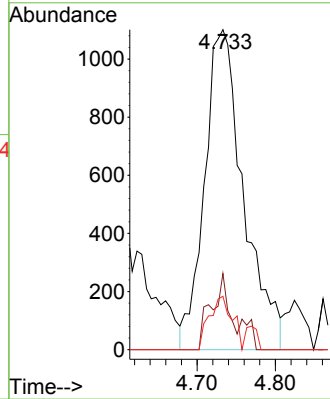
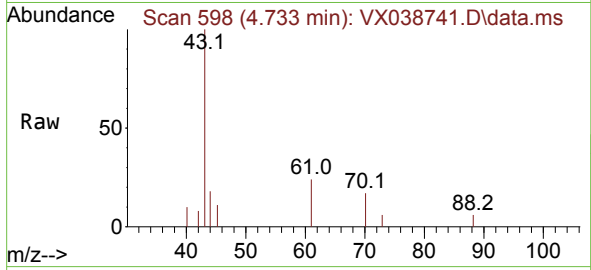




#37
Ethyl Acetate
Concen: 0.948 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.019 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

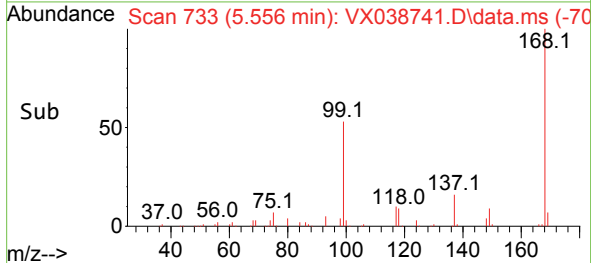
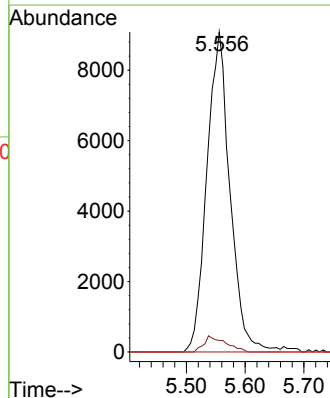
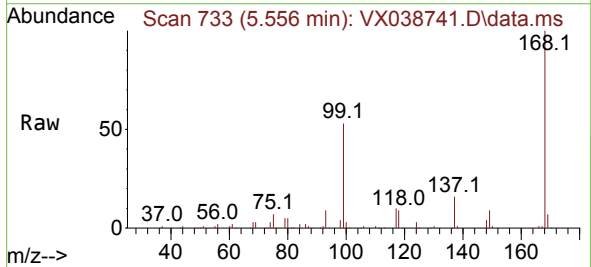
Instrument :
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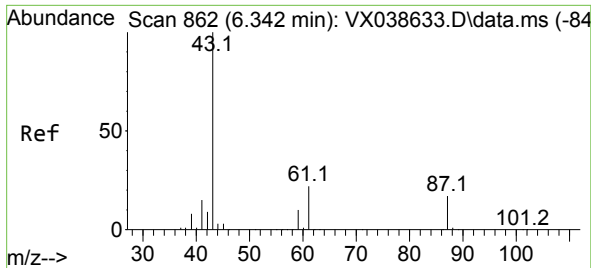
Tgt Ion: 43	Resp:	3810
Ion	Ratio	Lower Upper
43	100	
61	10.9	10.6 16.0
70	9.8	8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion: 117	Resp:	24835
Ion	Ratio	Lower Upper
117	100	
119	3.6	78.2 117.2#
121	0.0	24.4 36.6#





#43

Isopropyl Acetate

Concen: 23.732 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX038741.D

Acq: 10 Nov 2023 20:01

Instrument :

MSVOA_X

ClientSampleId :

72-11985

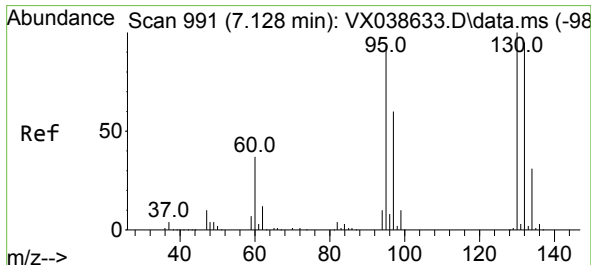
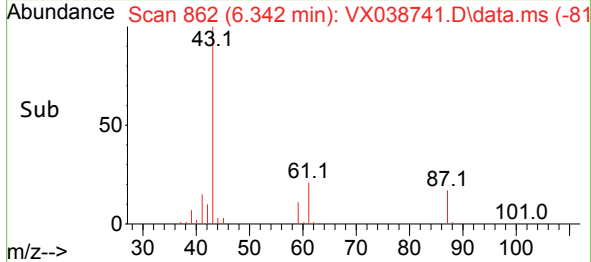
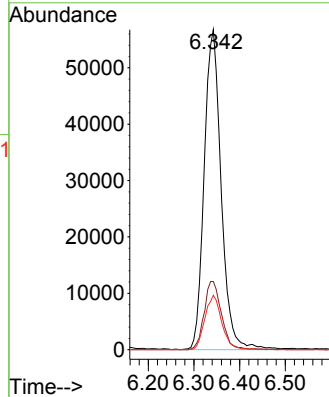
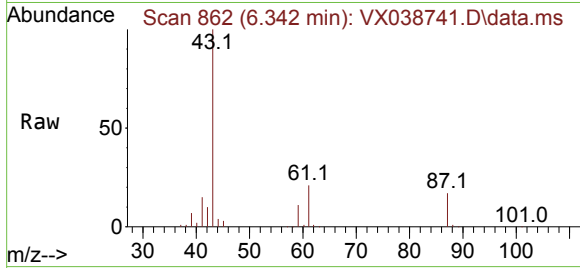
Tgt Ion: 43 Resp: 146662

Ion Ratio Lower Upper

43 100

61 21.6 15.2 22.8

87 16.9 9.8 14.6#



#44

Trichloroethene

Concen: 1.370 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX038741.D

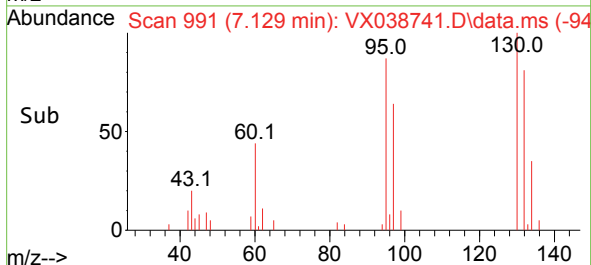
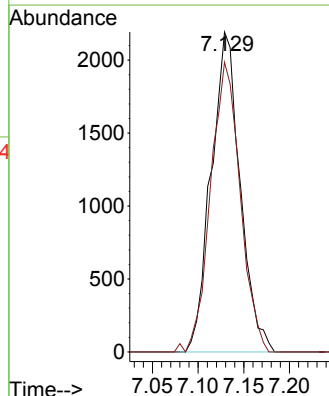
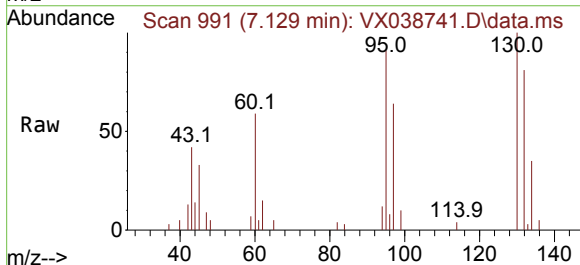
Acq: 10 Nov 2023 20:01

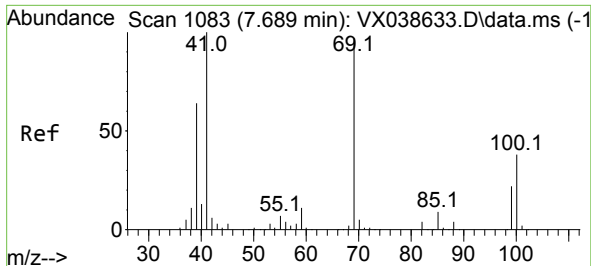
Tgt Ion:130 Resp: 4833

Ion Ratio Lower Upper

130 100

95 90.6 0.0 204.4

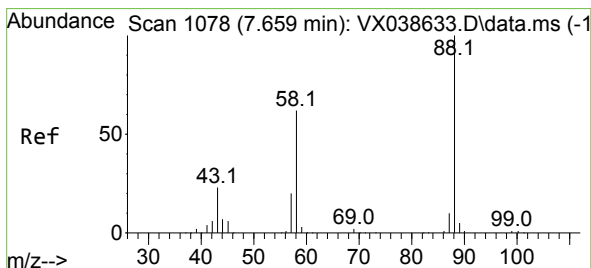
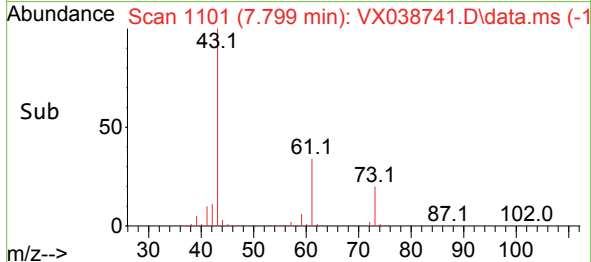
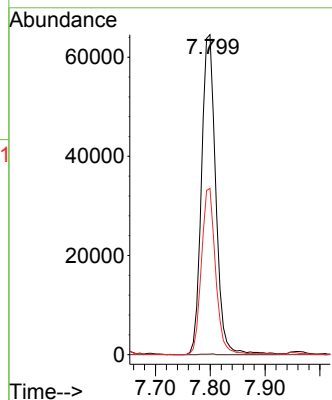
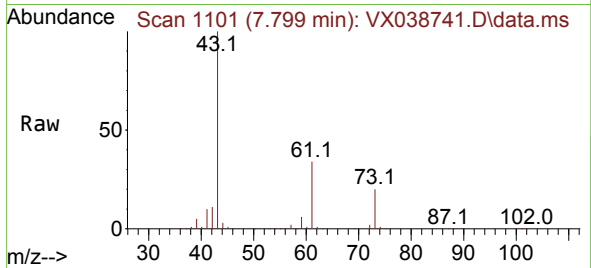




#48
Methyl methacrylate
Concen: 39.412 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

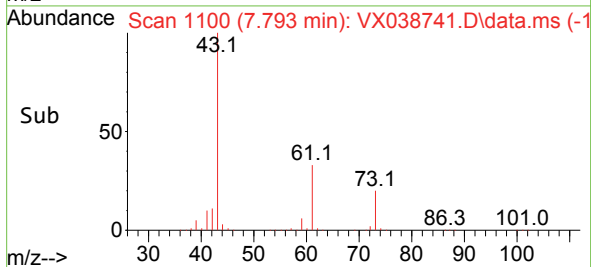
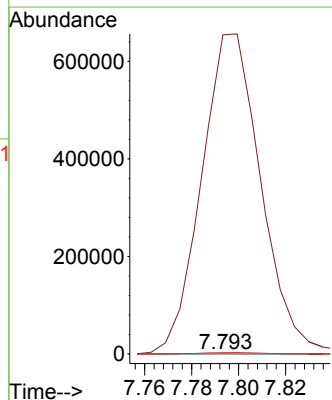
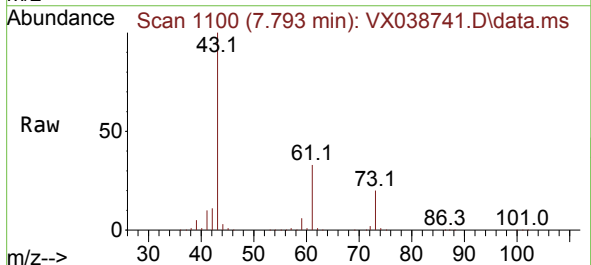
Instrument :
MSVOA_X
ClientSampleId :
72-11985

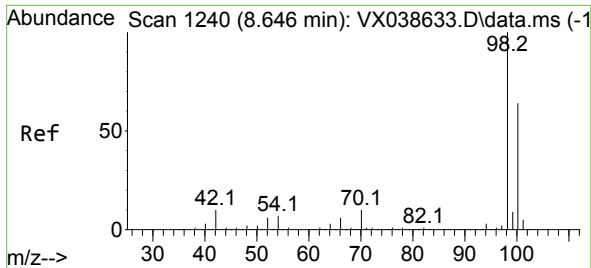
Tgt Ion: 41 Resp: 117379
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 51.8 47.7 71.5



#49
1,4-Dioxane
Concen: 2.507 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.135 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion: 88 Resp: 170
Ion Ratio Lower Upper
88 100
43 688881.2 0.0 0.0#
58 3260.6 60.1 90.1#

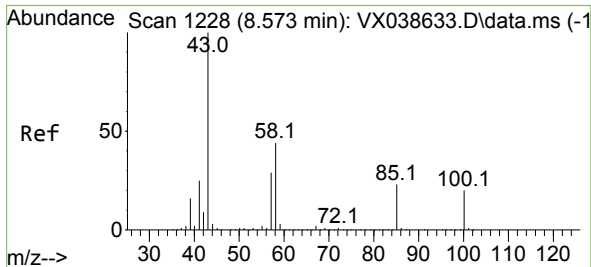
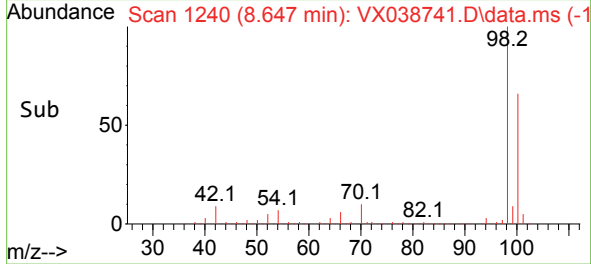
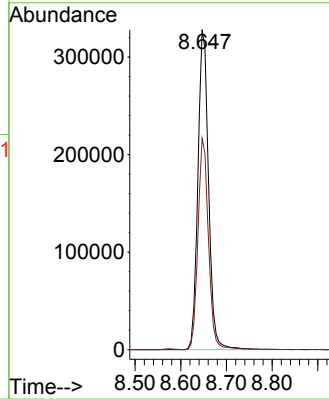
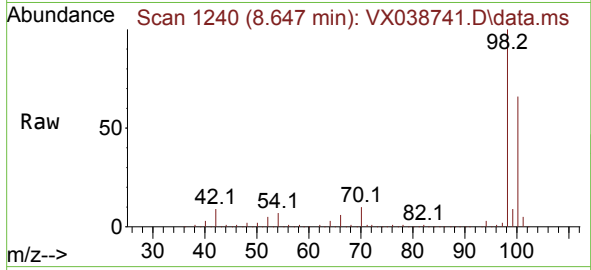




#50
Toluene-d8
Concen: 46.841 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

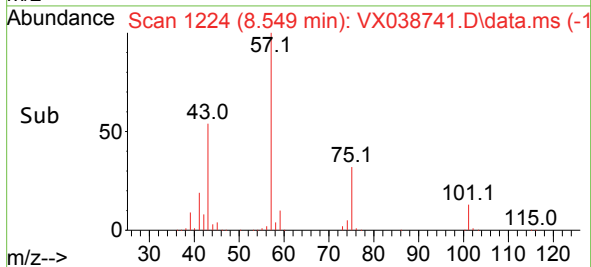
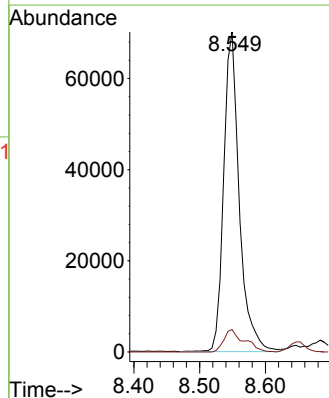
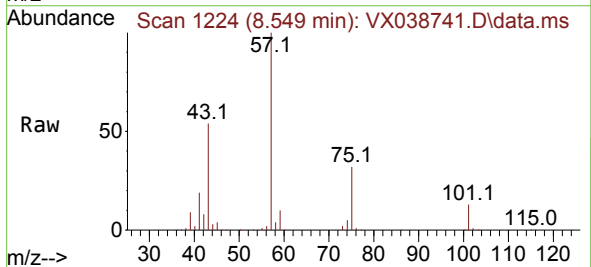
Instrument :
MSVOA_X
ClientSampleId :
72-11985

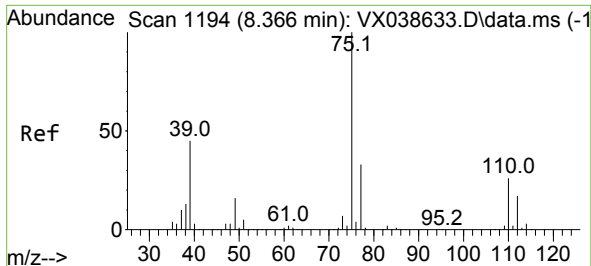
Tgt Ion: 98 Resp: 531256
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.721 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion: 43 Resp: 115644
Ion Ratio Lower Upper
43 100
58 9.1 30.4 45.6#

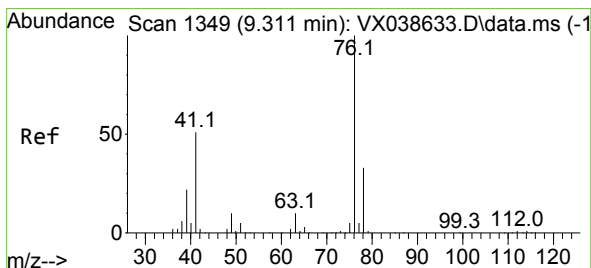
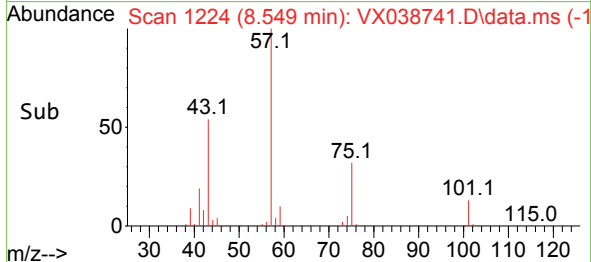
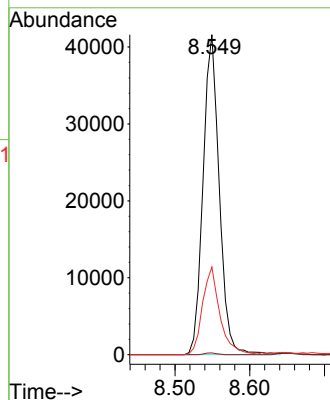
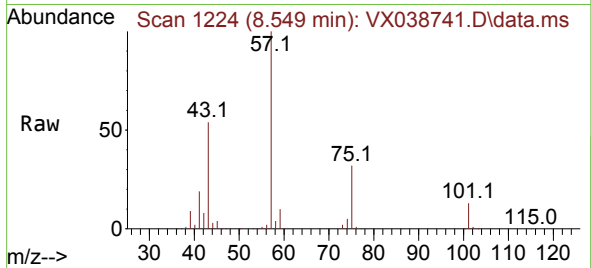




#54
 cis-1,3-Dichloropropene
 Concen: 13.539 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038741.D
 Acq: 10 Nov 2023 20:01

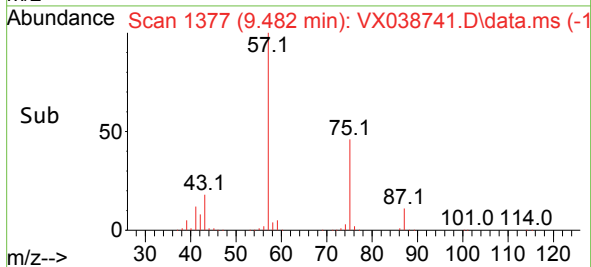
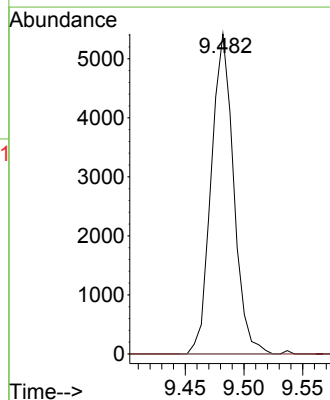
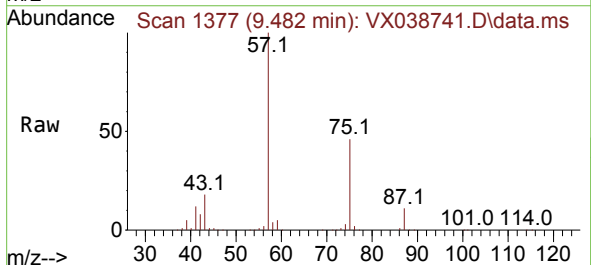
Instrument :
 MSVOA_X
 ClientSampleId :
 72-11985

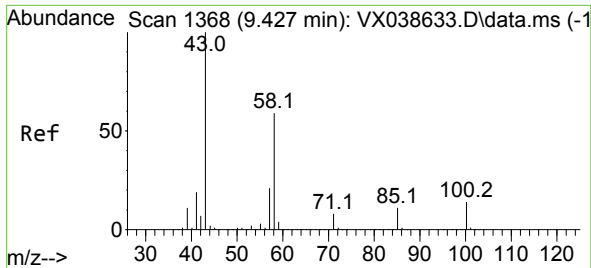
Tgt Ion: 75 Resp: 62736
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 27.4 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.469 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX038741.D
 Acq: 10 Nov 2023 20:01

Tgt Ion: 76 Resp: 7210
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

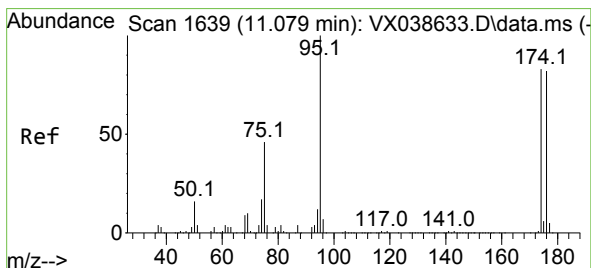
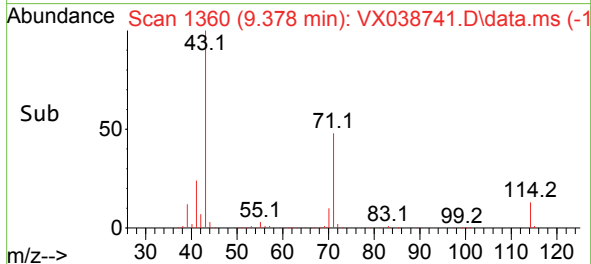
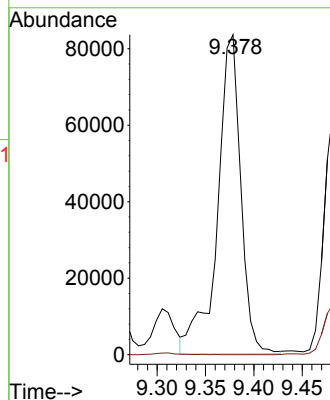
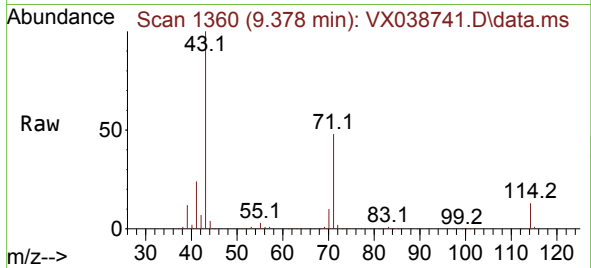




#59
2-Hexanone
Concen: 42.892 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

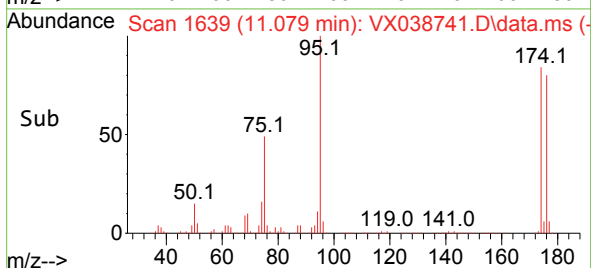
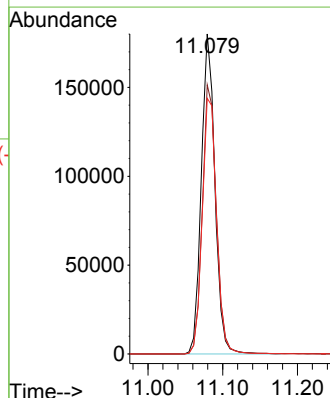
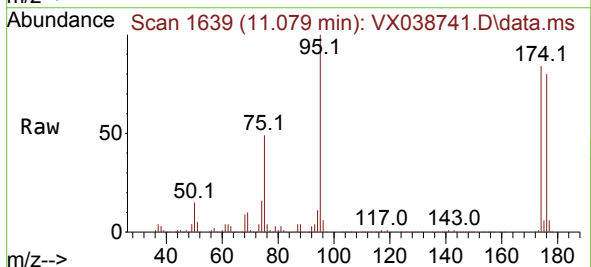
Instrument :
MSVOA_X
ClientSampleId :
72-11985

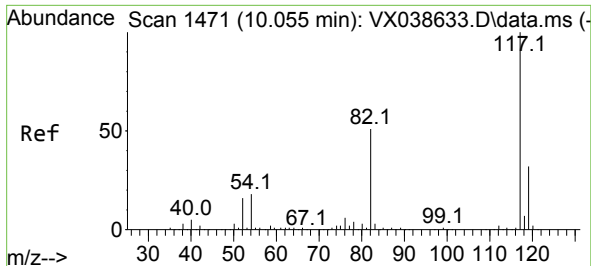
Tgt Ion: 43 Resp: 139737
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.752 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion: 95 Resp: 227567
Ion Ratio Lower Upper
95 100
174 86.7 0.0 135.6
176 84.6 0.0 131.0

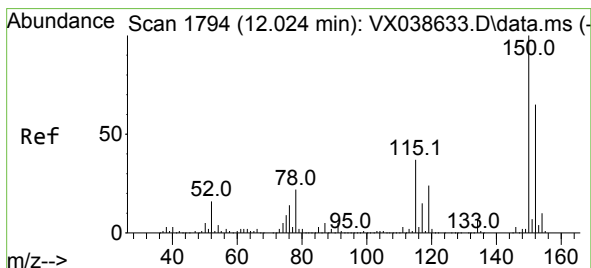
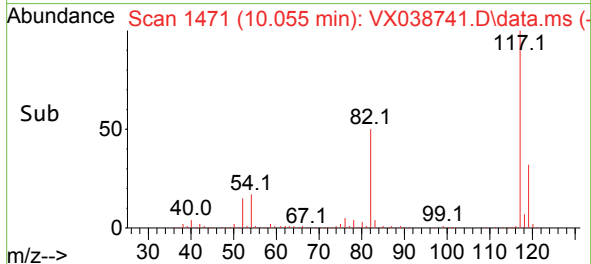
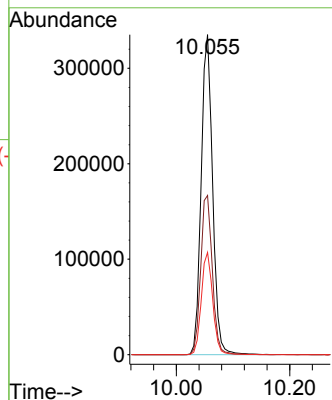
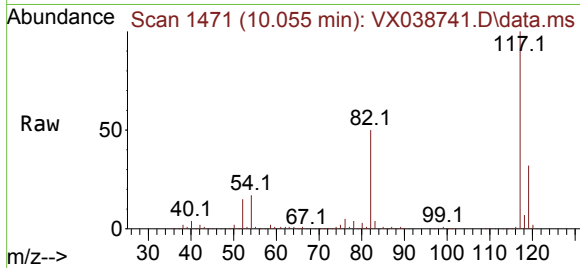




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

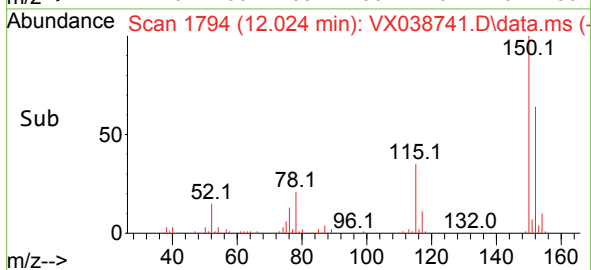
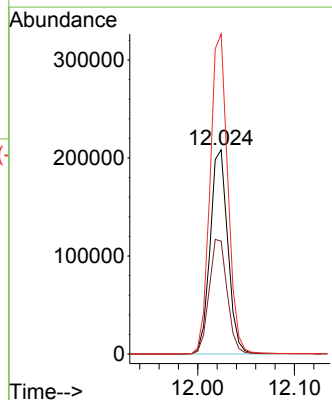
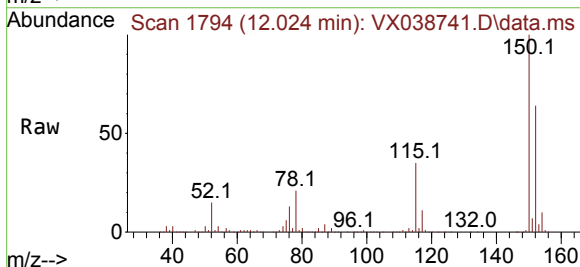
Instrument :
MSVOA_X
ClientSampleId :
72-11985

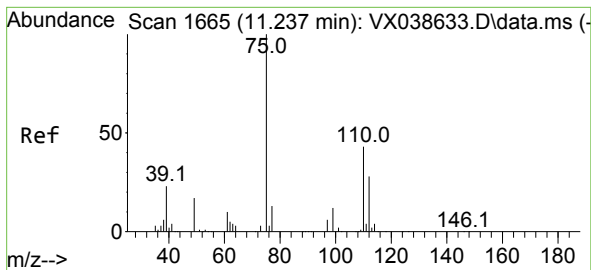
Tgt Ion:117 Resp: 469650
Ion Ratio Lower Upper
117 100
82 49.8 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038741.D
Acq: 10 Nov 2023 20:01

Tgt Ion:152 Resp: 265356
Ion Ratio Lower Upper
152 100
115 57.6 43.3 129.9
150 157.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.776 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038741.D

Acq: 10 Nov 2023 20:01

Instrument :

MSVOA_X

ClientSampleId :

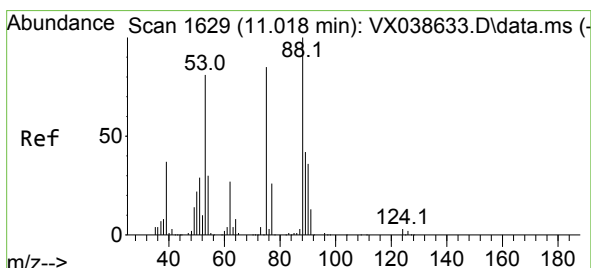
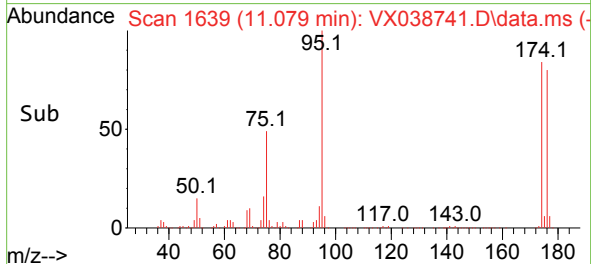
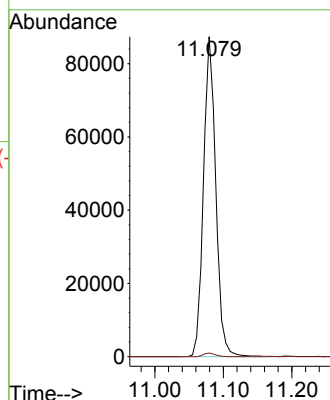
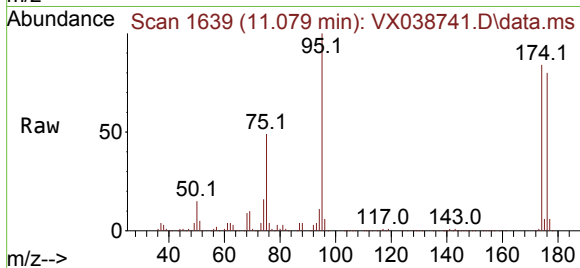
72-11985

Tgt Ion: 75 Resp: 109184

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.228 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038741.D

Acq: 10 Nov 2023 20:01

Tgt Ion: 75 Resp: 109184

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

