

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011624\
 Data File : VX039773.D
 Acq On : 16 Jan 2024 14:46
 Operator : JC/MD
 Sample : P1140-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-309-37-39

Quant Time: Jan 17 01:49:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

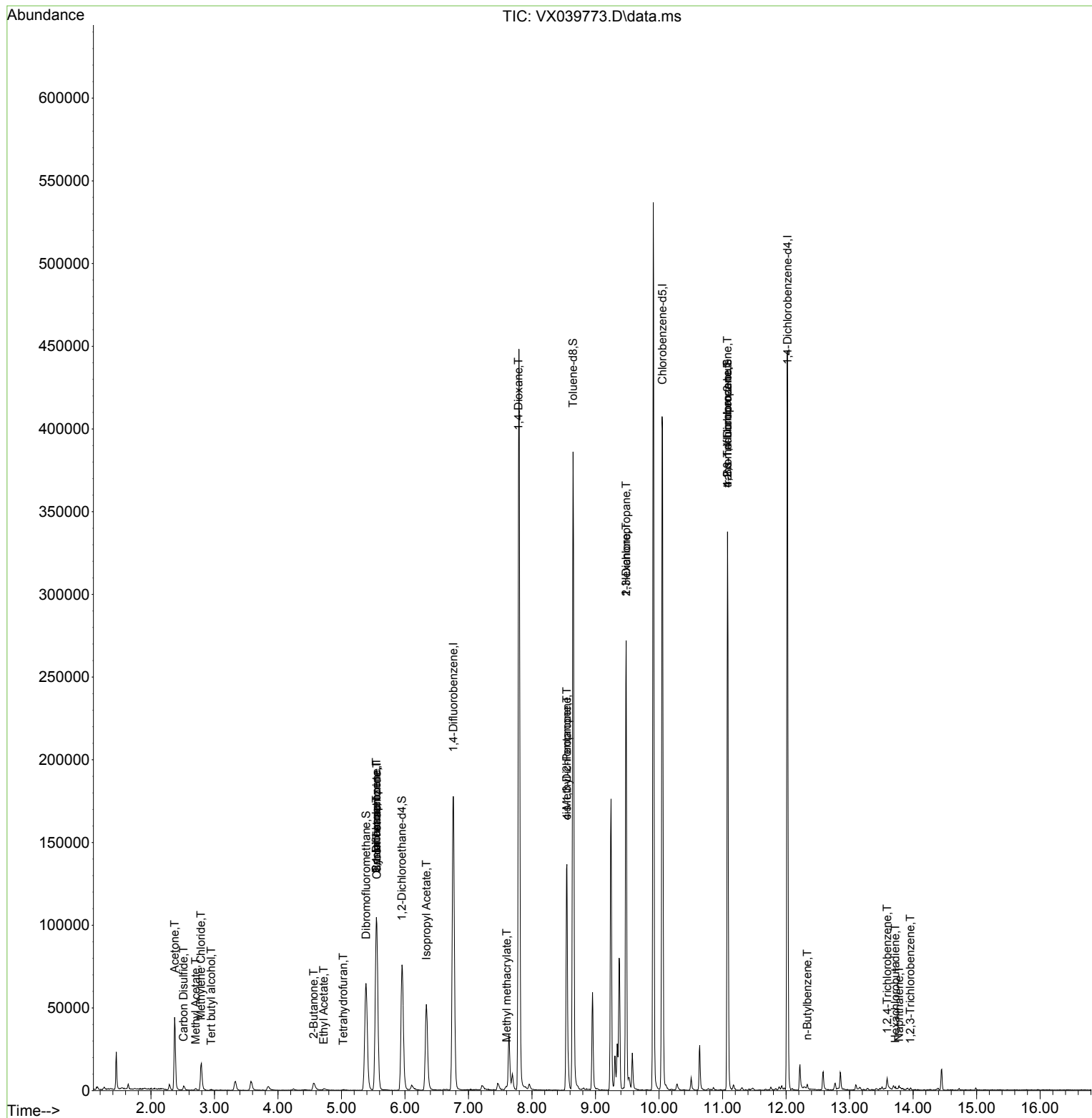
Internal Standards						
1) Pentafluorobenzene	5.550	168	93786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176509	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73430	46.739	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.480%
35) Dibromofluoromethane	5.385	113	56811	47.786	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.580%
50) Toluene-d8	8.647	98	221322	49.360	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.720%
62) 4-Bromofluorobenzene	11.079	95	90716	51.737	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	617	1.509	ug/l #	78
13) Acrolein	2.233	56	50	Below Cal	#	60
16) Acetone	2.373	43	44895	50.812	ug/l	94
17) Carbon Disulfide	2.514	76	1876	0.578	ug/l #	90
18) Methyl Acetate	2.703	43	1446	0.782	ug/l	94
20) Methylene Chloride	2.788	84	7340	5.492	ug/l	96
25) 2-Butanone	4.562	43	8658	6.819	ug/l	99
29) Tetrahydrofuran	5.025	42	569	0.696	ug/l #	43
31) Cyclohexane	5.550	56	2709	1.307	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	8532	4.611	ug/l #	51
37) Ethyl Acetate	4.721	43	1528	0.619	ug/l #	86
38) Carbon Tetrachloride	5.556	117	10441	6.160	ug/l #	15
43) Isopropyl Acetate	6.336	43	72604	20.048	ug/l	98
48) Methyl methacrylate	7.604	41	2069	1.162	ug/l #	16
49) 1,4-Dioxane	7.787	88	29	0.842	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53061	21.274	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	20791	9.910	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	2085	0.923	ug/l #	42
59) 2-Hexanone	9.482	43	32597	16.513	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	48802	22.165	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48802	64.270	ug/l #	5
89) n-Butylbenzene	12.335	91	1163	0.212	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	520	0.298	ug/l	90
94) Hexachlorobutadiene	13.719	225	248	0.342	ug/l #	38
95) Naphthalene	13.780	128	1515	0.236	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.957	180	408	0.232	ug/l	93

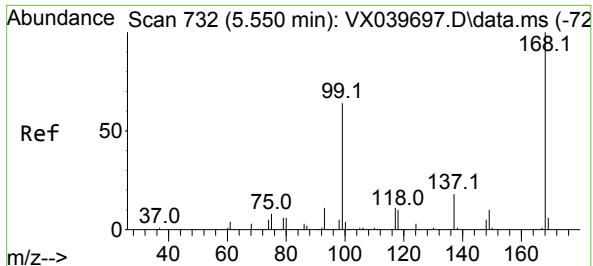
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011624\
Data File : VX039773.D
Acq On : 16 Jan 2024 14:46
Operator : JC/MD
Sample : P1140-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

Quant Time: Jan 17 01:49:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

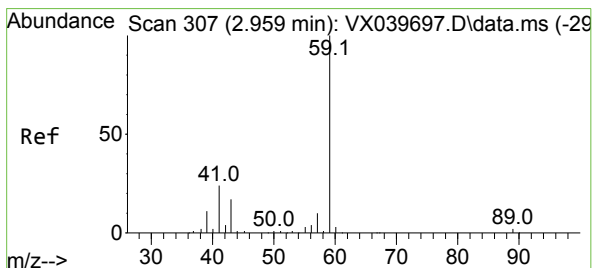
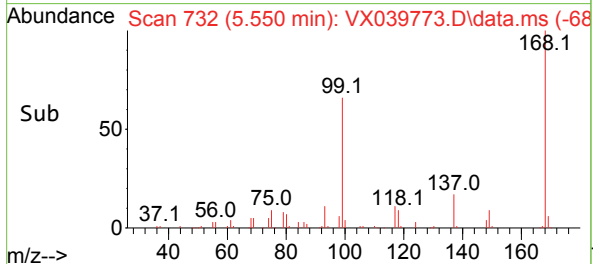
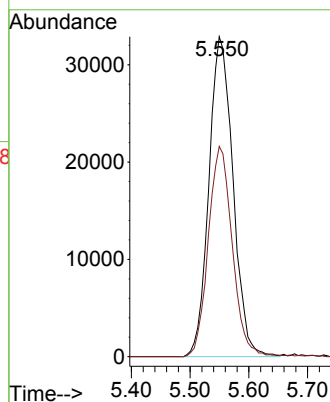
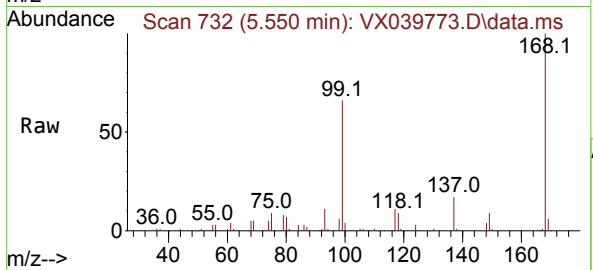




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

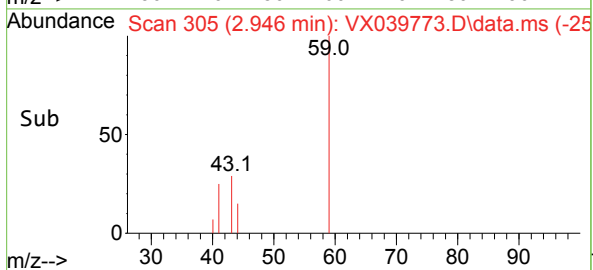
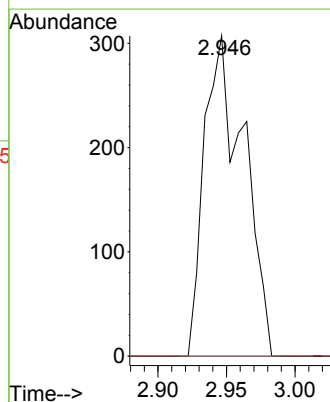
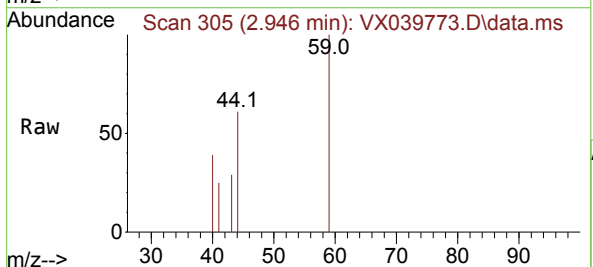
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

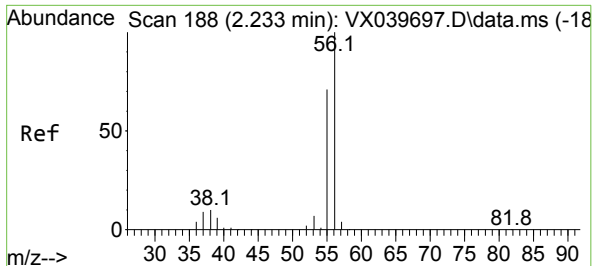
Tgt Ion:168 Resp: 93786
Ion Ratio Lower Upper
168 100
99 65.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.509 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion: 59 Resp: 617
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

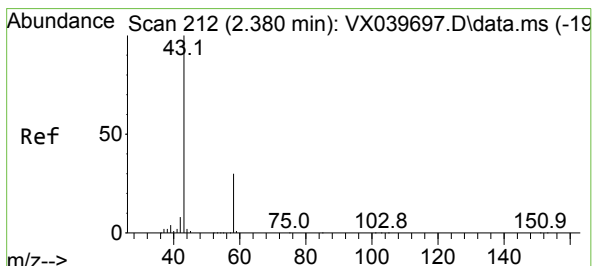
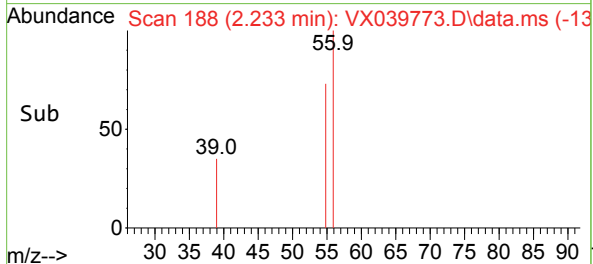
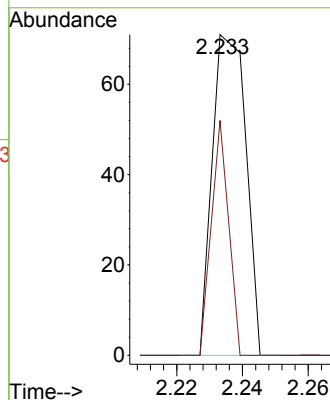
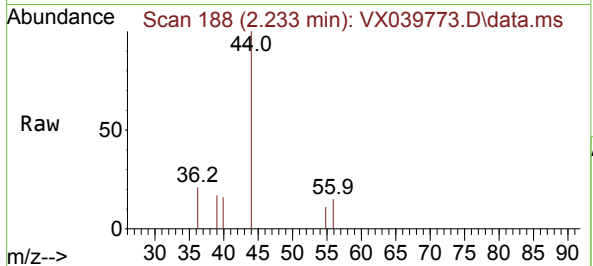




#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

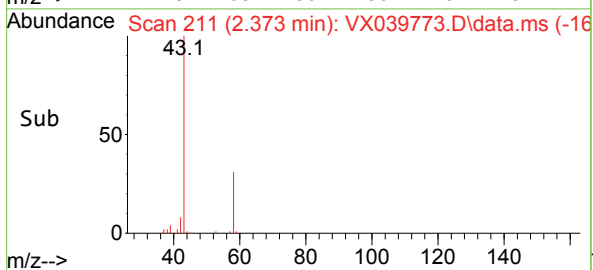
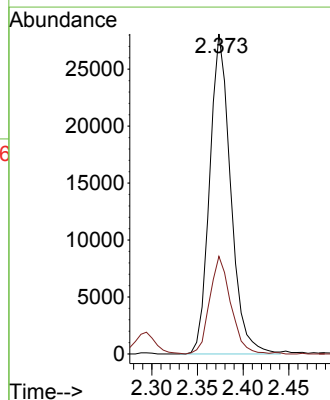
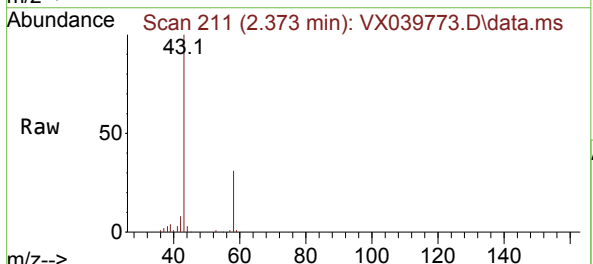
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

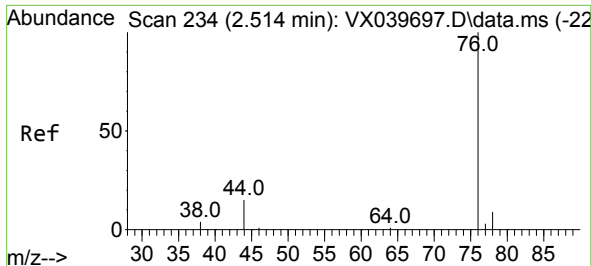
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 38.0 57.1 85.7#



#16
Acetone
Concen: 50.812 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion: 43 Resp: 44895
Ion Ratio Lower Upper
43 100
58 30.3 21.9 32.9





#17

Carbon Disulfide

Concen: 0.578 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

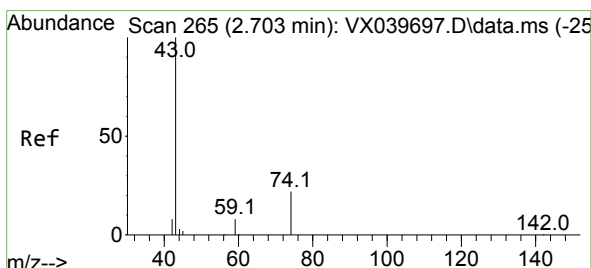
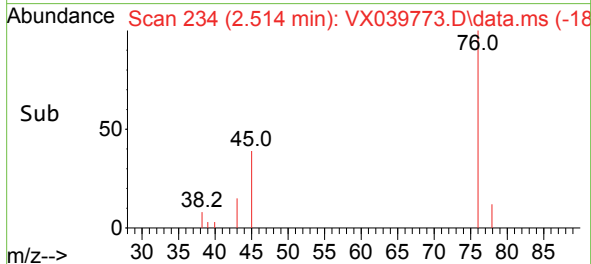
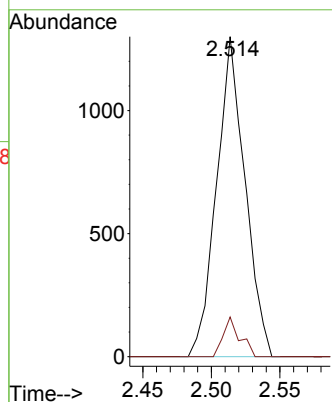
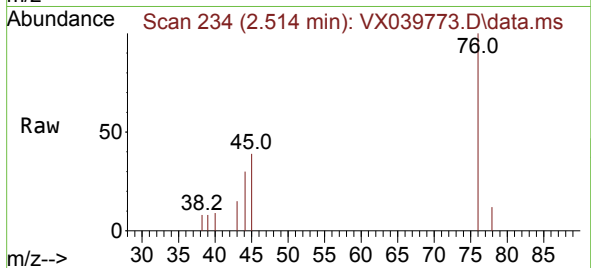
MR-309-37-39

Tgt Ion: 76 Resp: 1876

Ion Ratio Lower Upper

76 100

78 12.4 7.0 10.6#



#18

Methyl Acetate

Concen: 0.782 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX039773.D

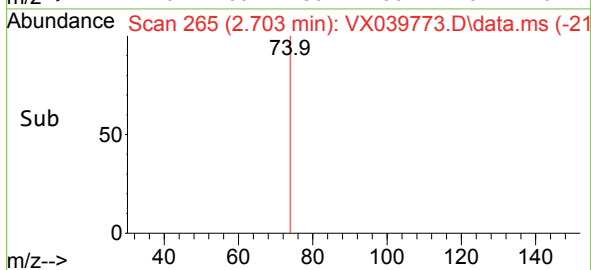
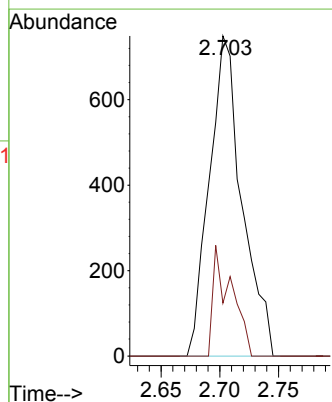
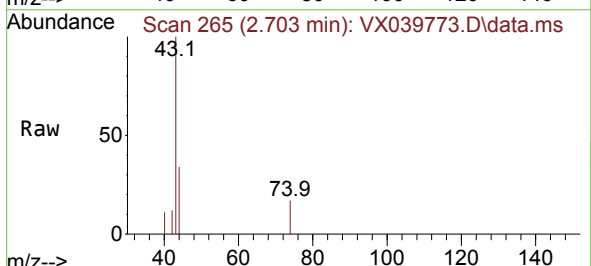
Acq: 16 Jan 2024 14:46

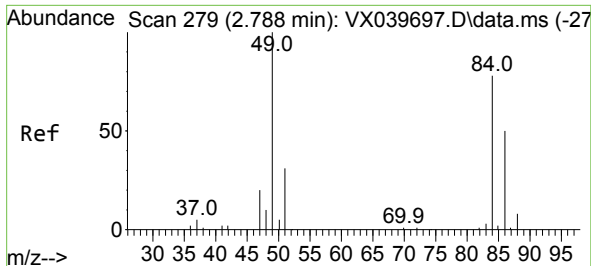
Tgt Ion: 43 Resp: 1446

Ion Ratio Lower Upper

43 100

74 19.5 17.8 26.8





#20

Methylene Chloride

Concen: 5.492 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

MR-309-37-39

Tgt Ion: 84 Resp: 7340

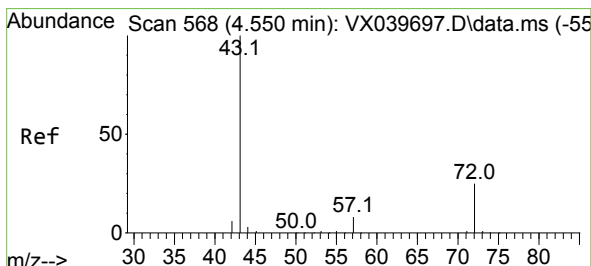
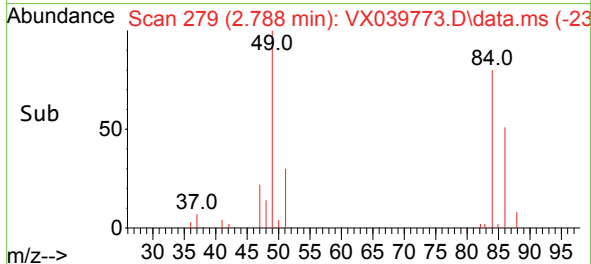
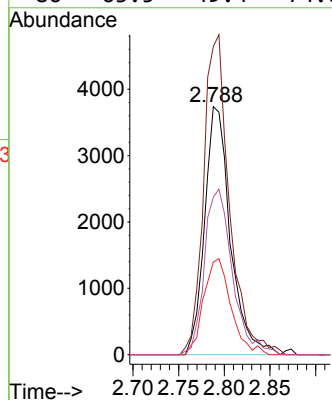
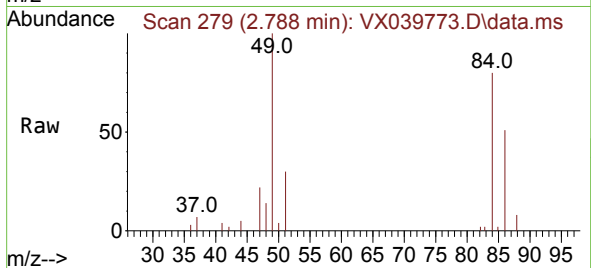
Ion Ratio Lower Upper

84 100

49 124.3 103.6 155.4

51 37.3 33.8 50.6

86 63.5 49.4 74.0



#25

2-Butanone

Concen: 6.819 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX039773.D

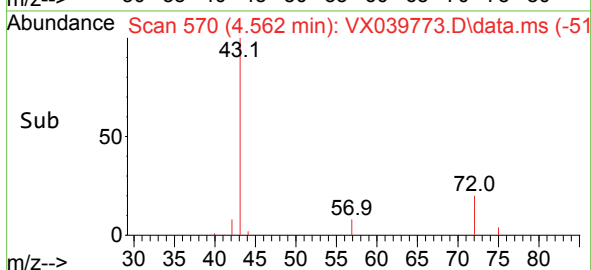
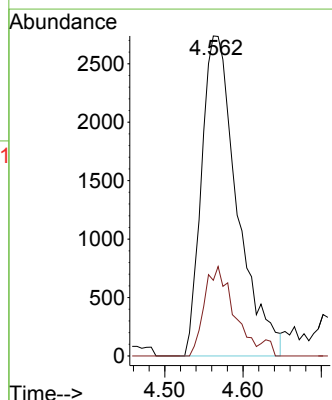
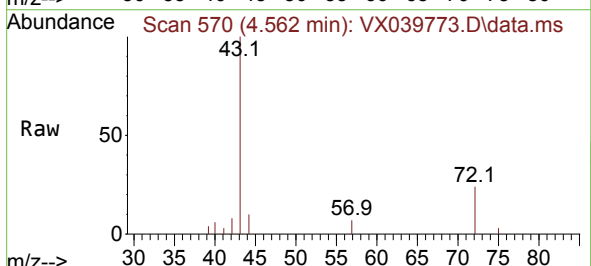
Acq: 16 Jan 2024 14:46

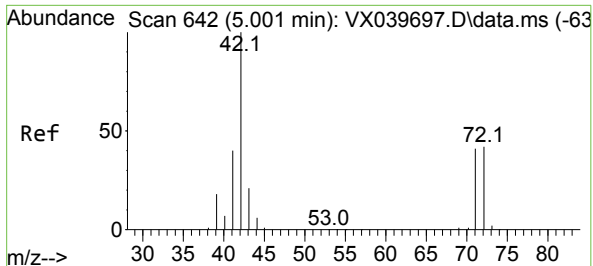
Tgt Ion: 43 Resp: 8658

Ion Ratio Lower Upper

43 100

72 23.7 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.696 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

MR-309-37-39

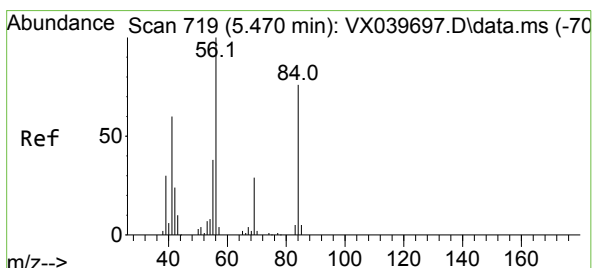
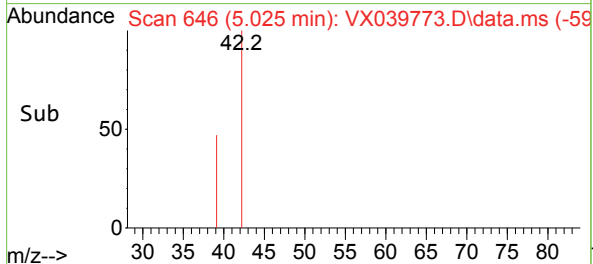
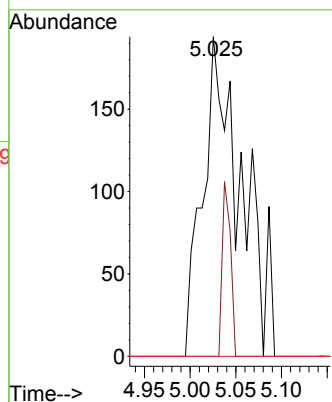
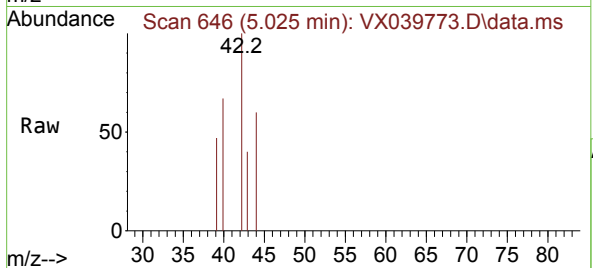
Tgt Ion: 42 Resp: 569

Ion Ratio Lower Upper

42 100

72 11.8 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

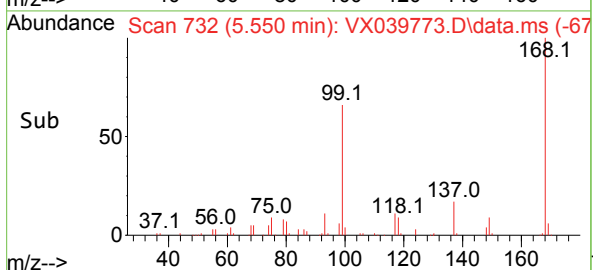
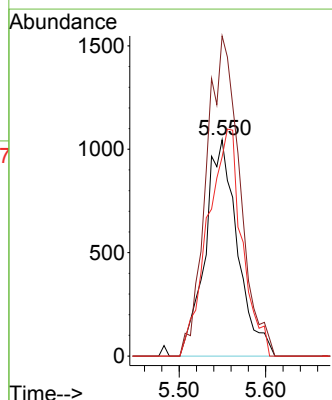
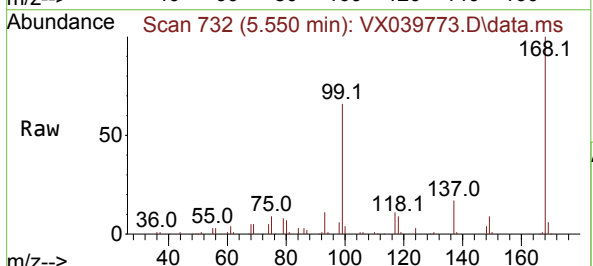
Tgt Ion: 56 Resp: 2709

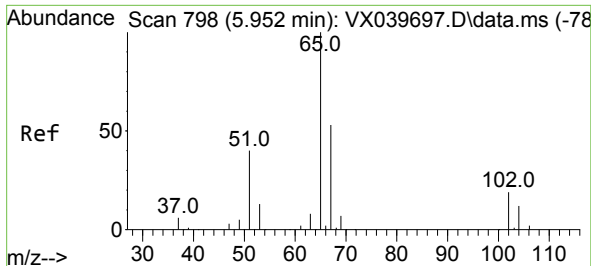
Ion Ratio Lower Upper

56 100

69 148.0 23.4 35.2#

84 92.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 46.739 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

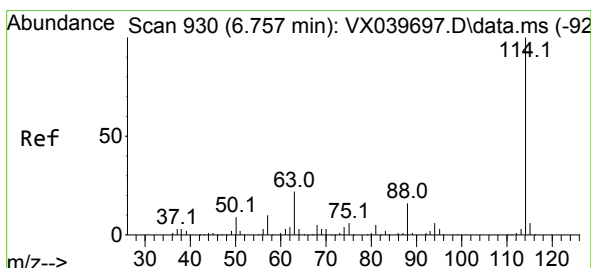
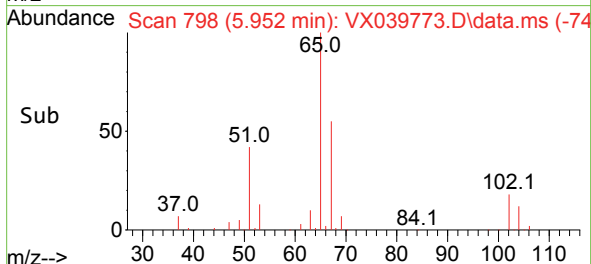
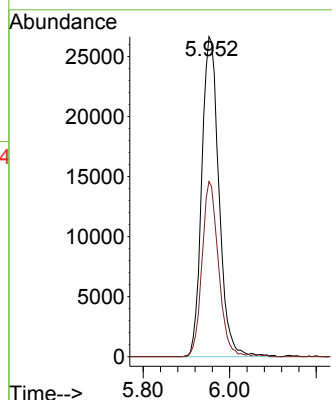
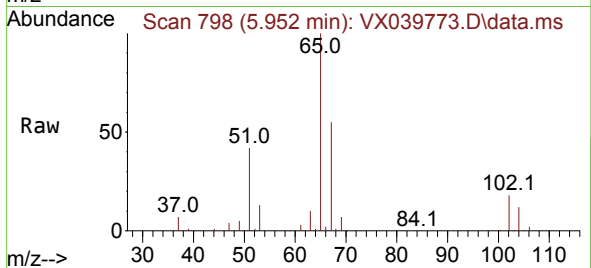
MR-309-37-39

Tgt Ion: 65 Resp: 73430

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

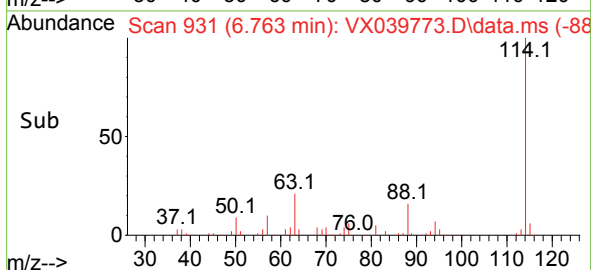
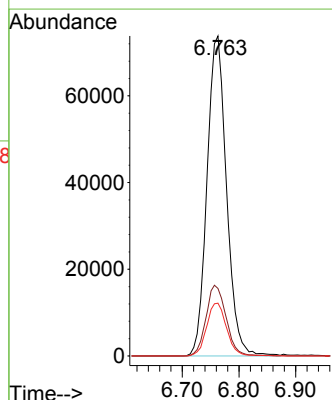
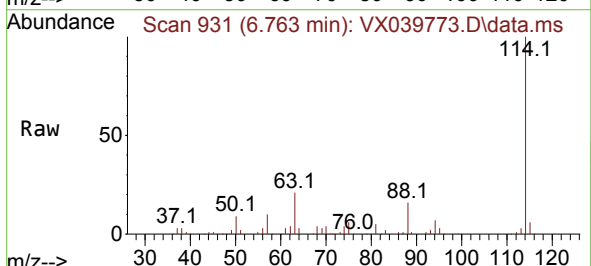
Tgt Ion: 114 Resp: 176509

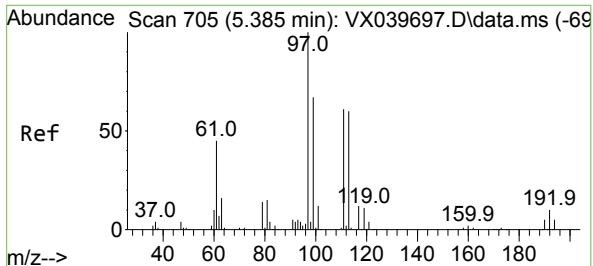
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.0

88 16.5 0.0 36.6

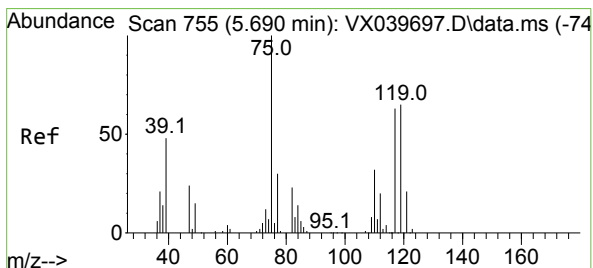
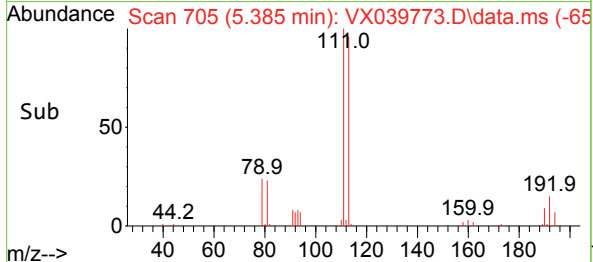
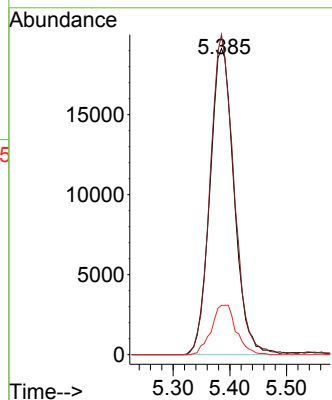
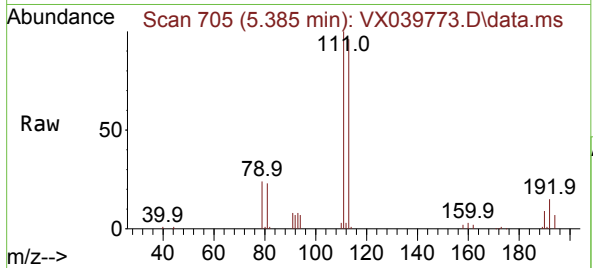




#35
Dibromofluoromethane
Concen: 47.786 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

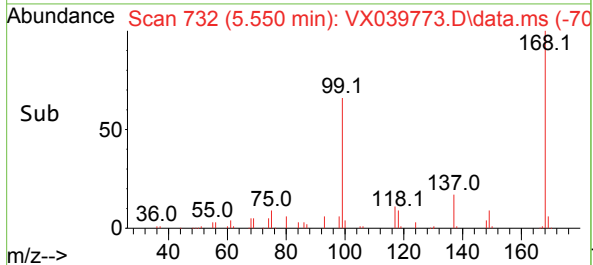
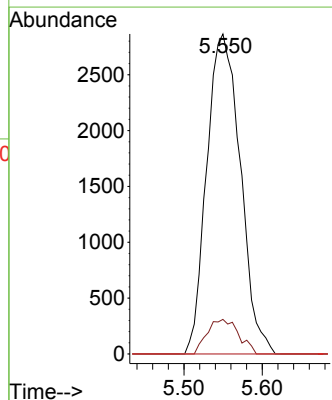
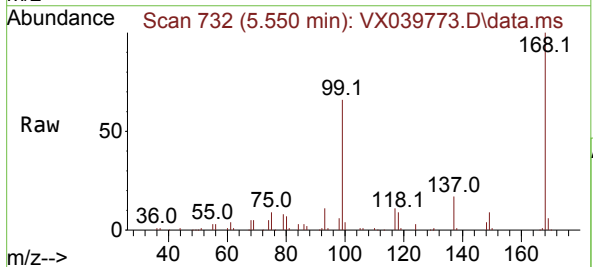
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

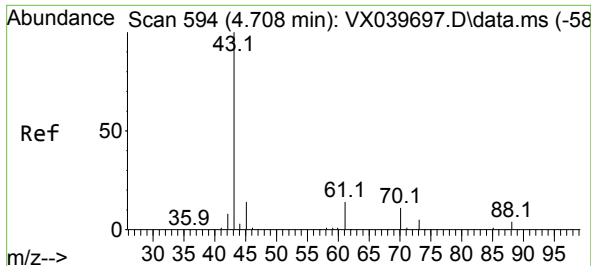
Tgt Ion:113 Resp: 56811
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion: 75 Resp: 8532
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.619 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

MR-309-37-39

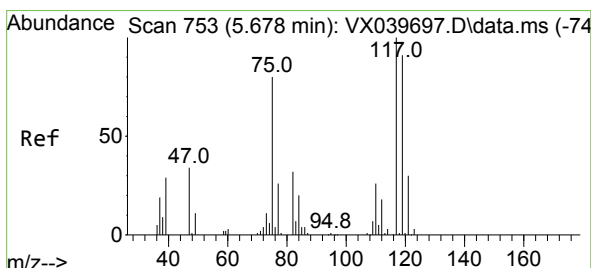
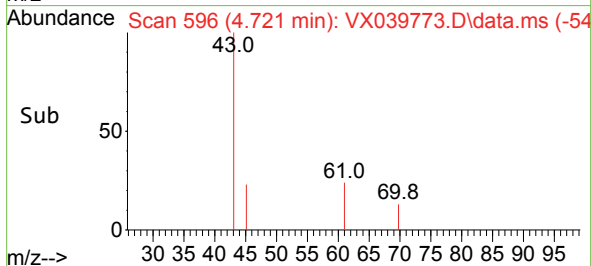
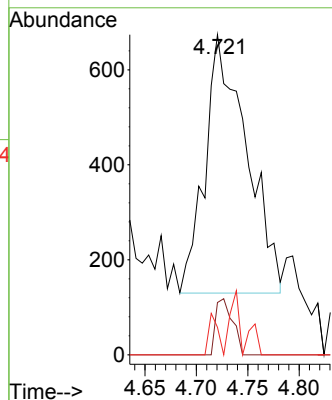
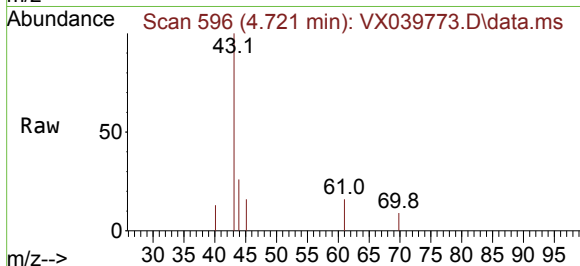
Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

43 100

61 8.8 10.6 16.0#

70 3.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.160 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

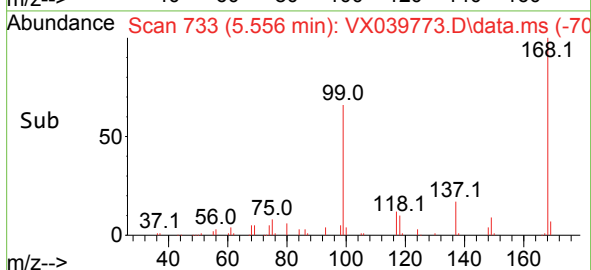
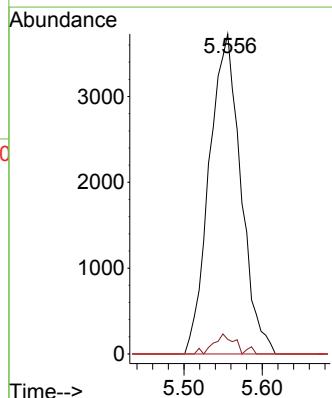
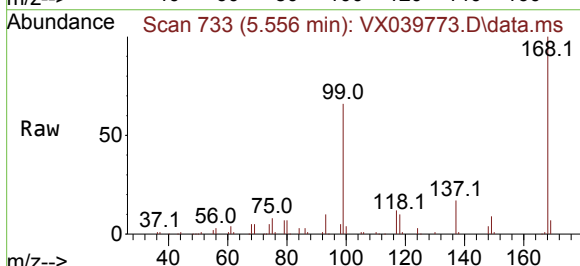
Tgt Ion: 117 Resp: 10441

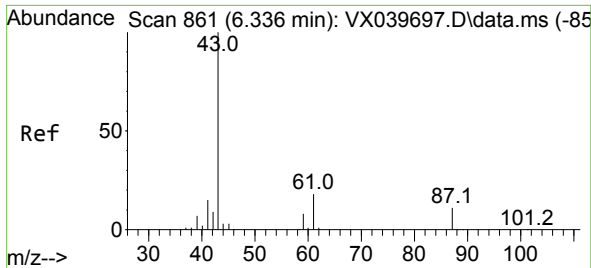
Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.2#

121 0.0 24.4 36.6#

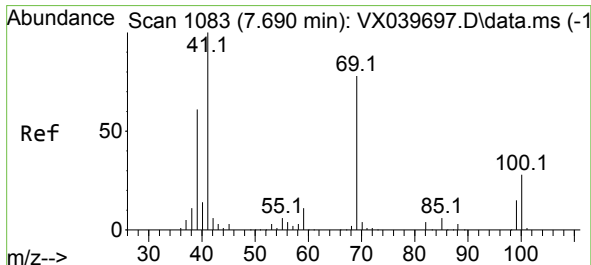
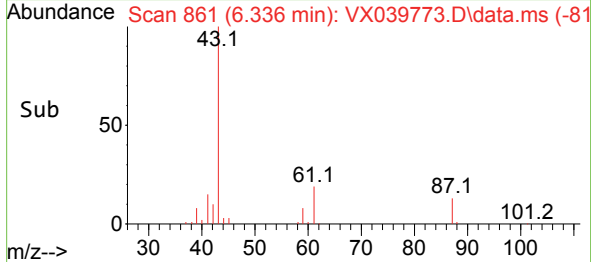
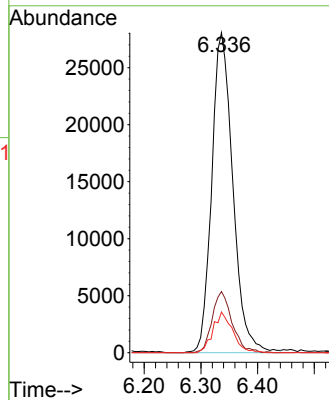
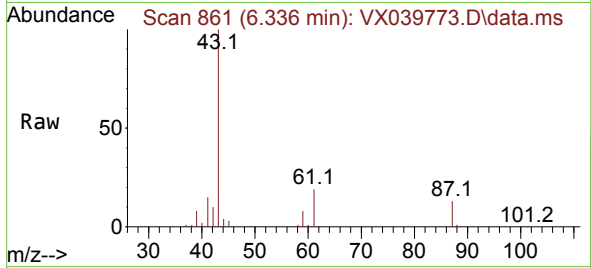




#43
Isopropyl Acetate
Concen: 20.048 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

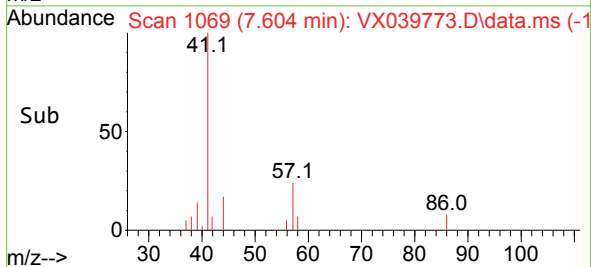
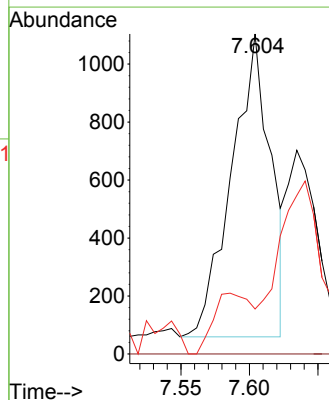
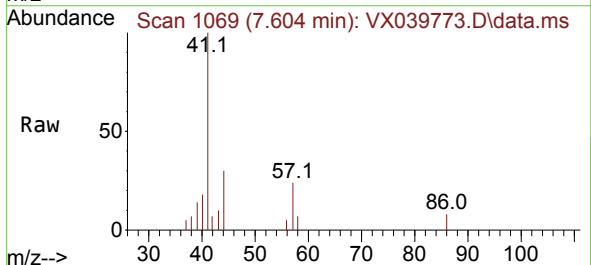
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

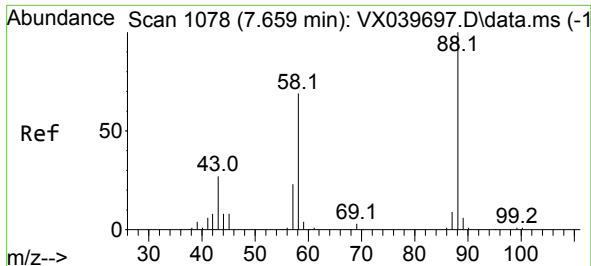
Tgt Ion:	43	Resp:	72604
Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.2	22.8
87	11.8	9.8	14.6



#48
Methyl methacrylate
Concen: 1.162 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion:	41	Resp:	2069
Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.2	88.8#
39	0.0	47.7	71.5#

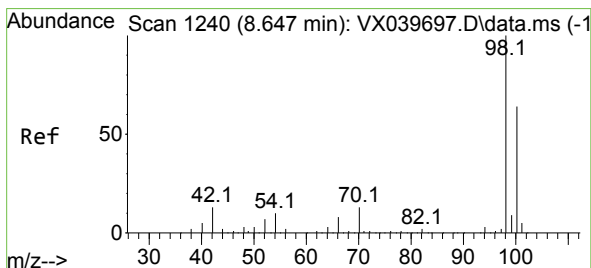
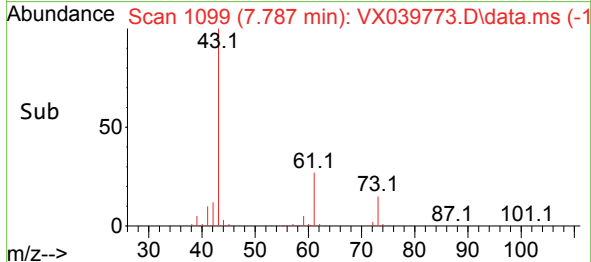
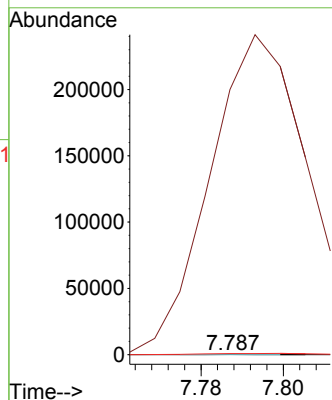
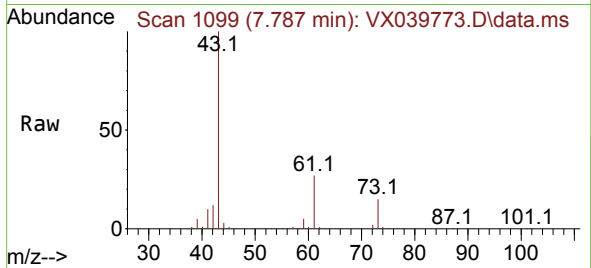




#49
1,4-Dioxane
Concen: 0.842 ug/l
RT: 7.787 min Scan# 1078
Delta R.T. 0.128 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

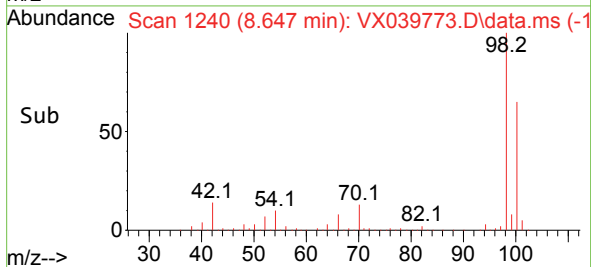
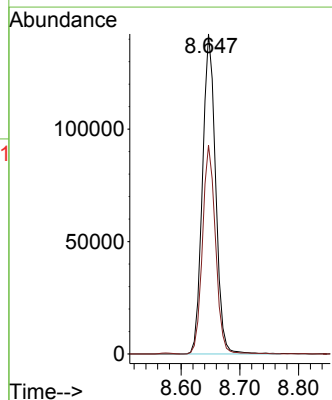
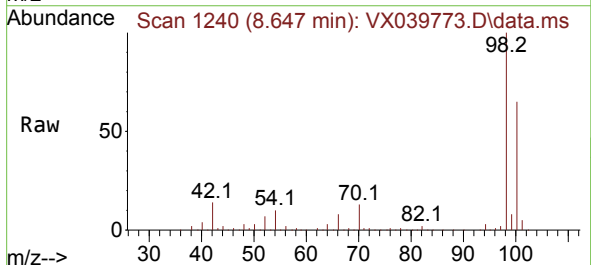
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

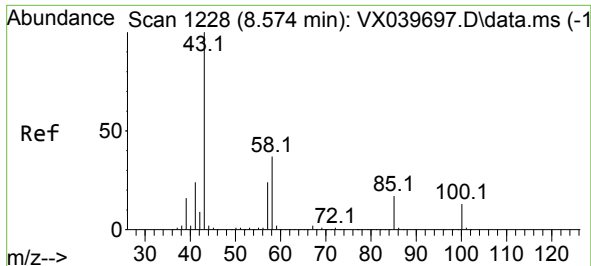
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 1442879.3 0.0 0.0#
58 6465.5 60.1 90.1#



#50
Toluene-d8
Concen: 49.360 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion: 98 Resp: 221322
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7

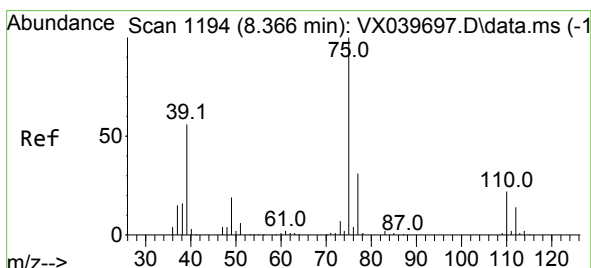
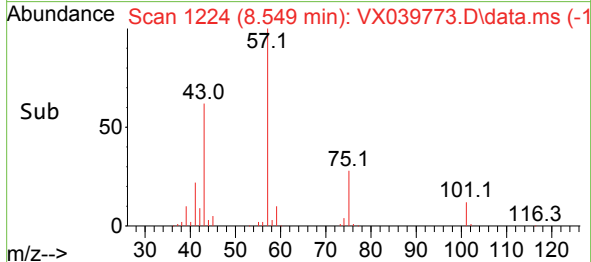
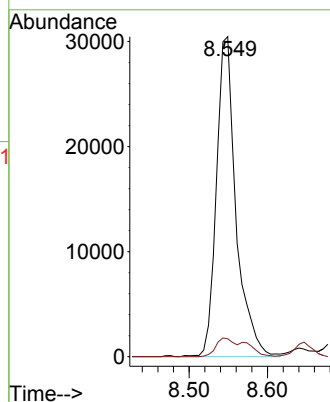
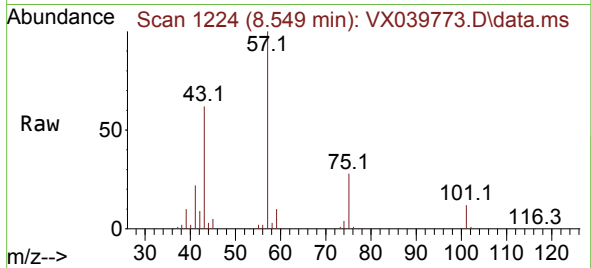




#51
4-Methyl-2-Pentanone
Concen: 21.274 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

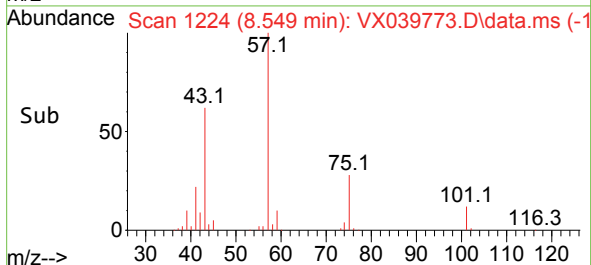
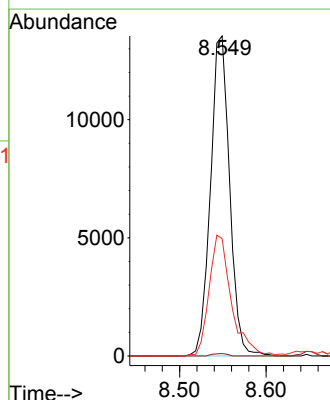
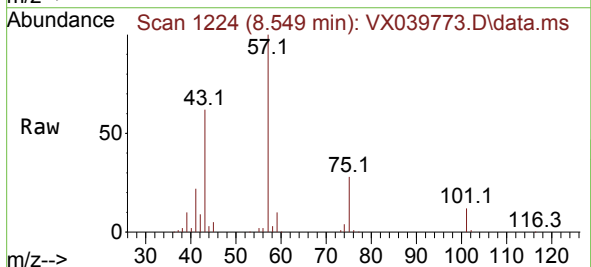
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

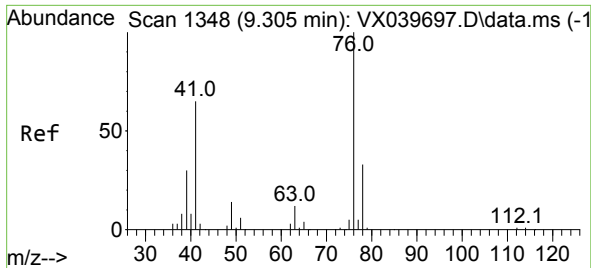
Tgt Ion: 43 Resp: 53061
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 9.910 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion: 75 Resp: 20791
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 36.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 0.923 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

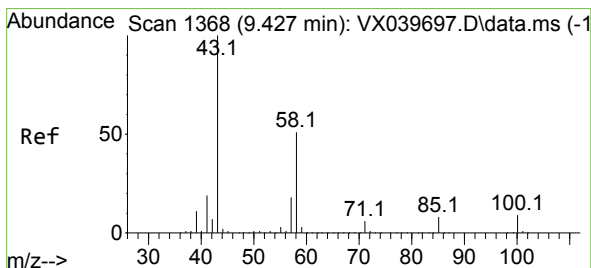
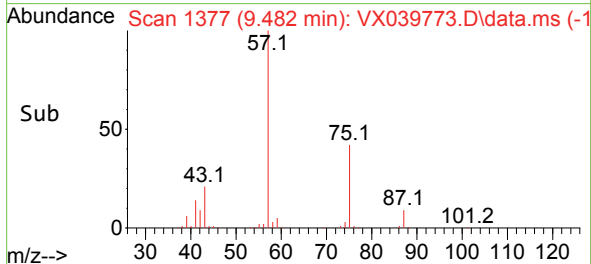
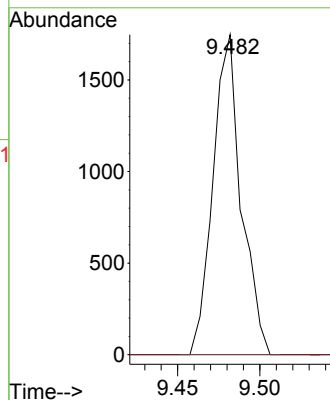
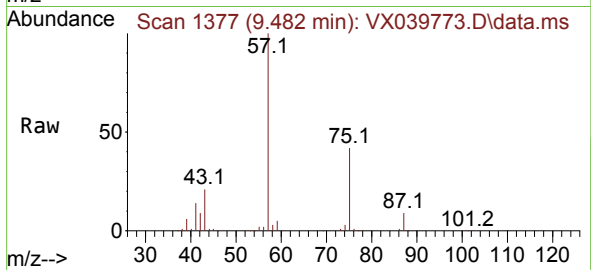
MR-309-37-39

Tgt Ion: 76 Resp: 2085

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 16.513 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX039773.D

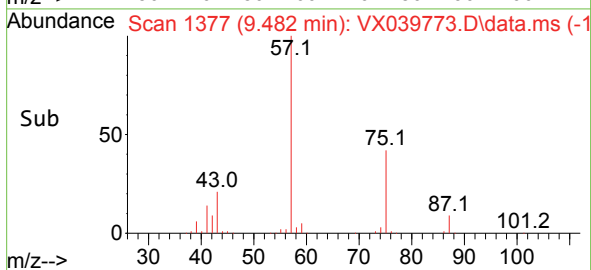
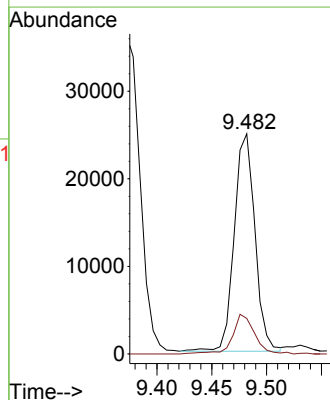
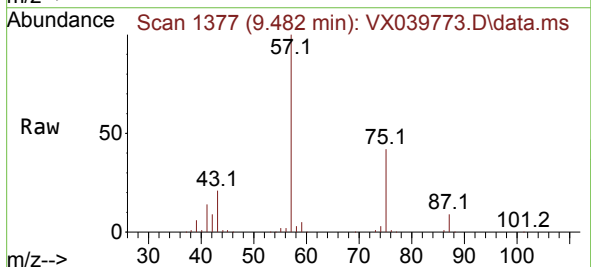
Acq: 16 Jan 2024 14:46

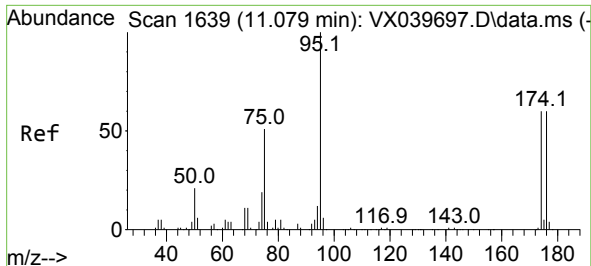
Tgt Ion: 43 Resp: 32597

Ion Ratio Lower Upper

43 100

58 19.5 26.2 78.5#

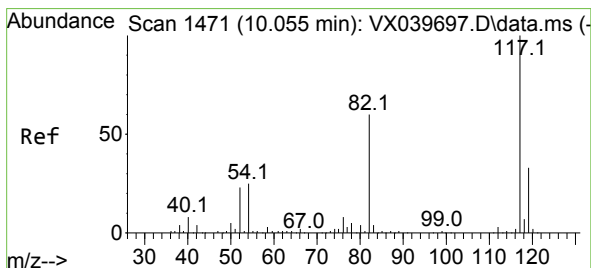
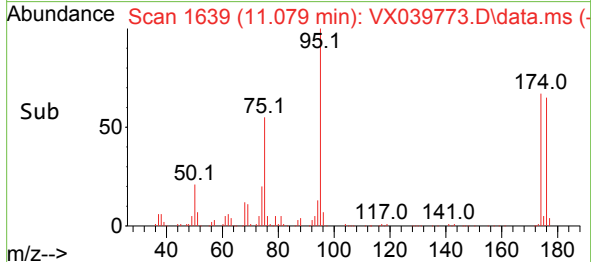
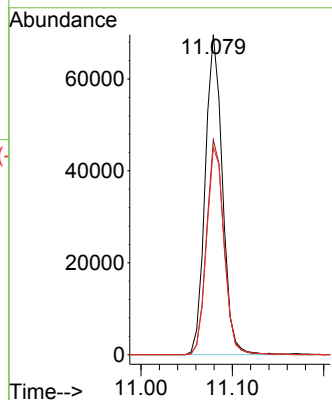
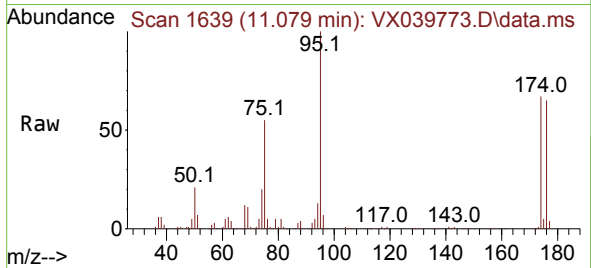




#62
4-Bromofluorobenzene
Concen: 51.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

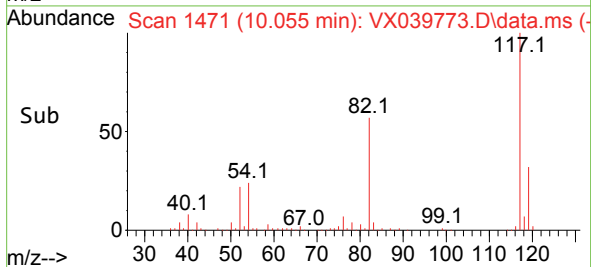
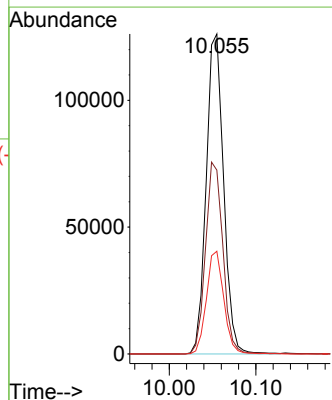
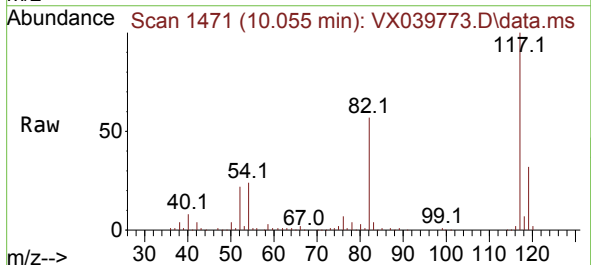
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

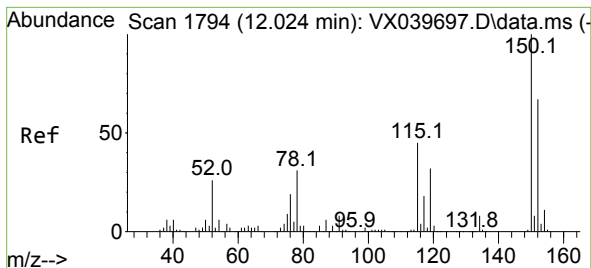
Tgt Ion: 95 Resp: 90716
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.6
176 66.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion: 117 Resp: 175966
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

MR-309-37-39

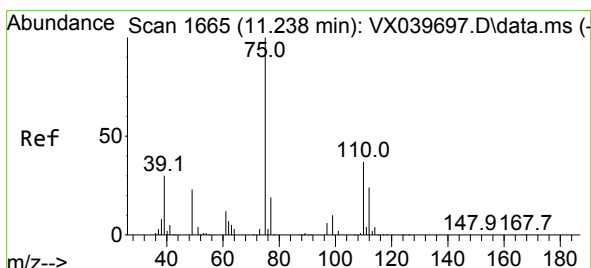
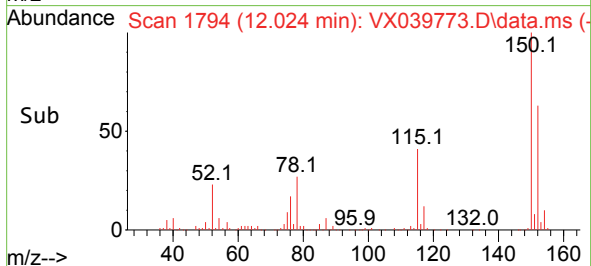
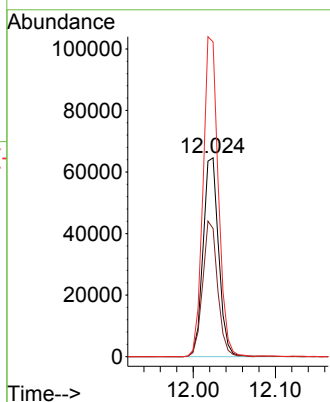
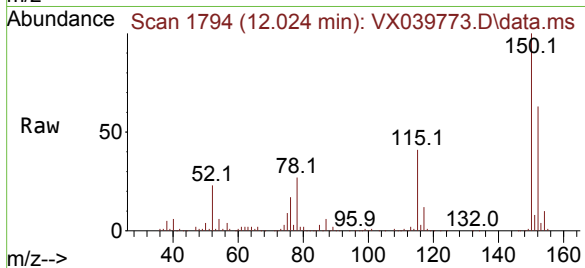
Tgt Ion:152 Resp: 84926

Ion Ratio Lower Upper

152 100

115 65.5 43.3 129.9

150 157.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.165 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039773.D

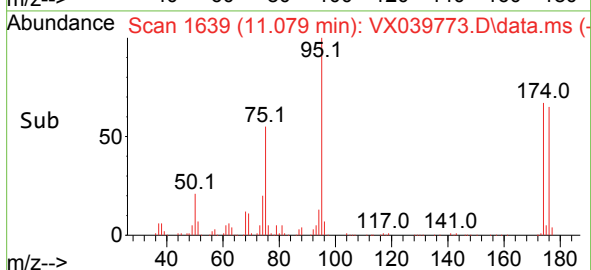
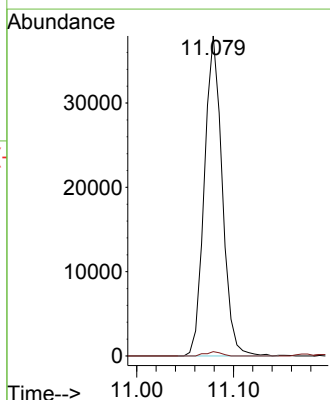
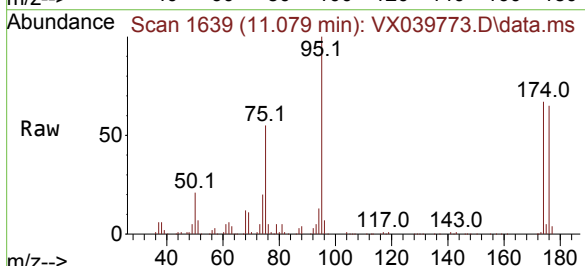
Acq: 16 Jan 2024 14:46

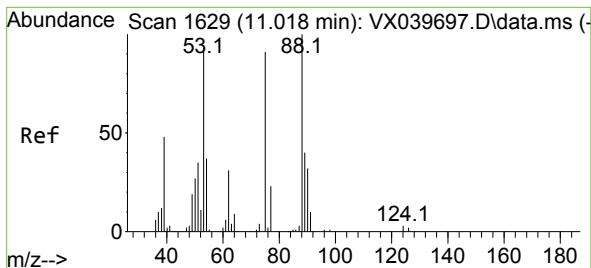
Tgt Ion: 75 Resp: 48802

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

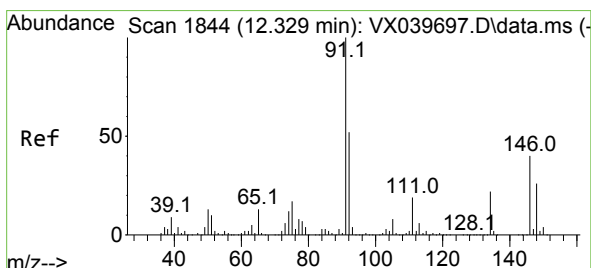
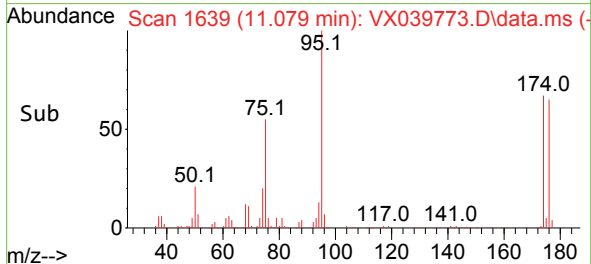
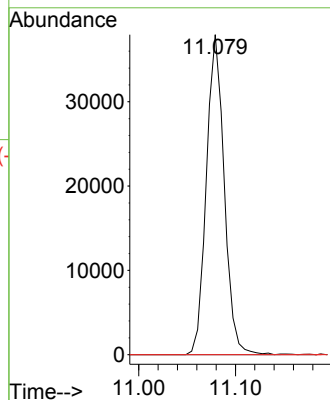
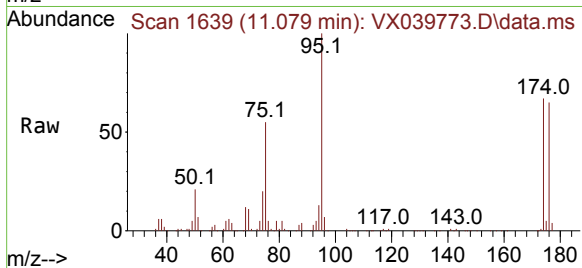




#81
trans-1,4-Dichloro-2-butene
Concen: 64.270 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

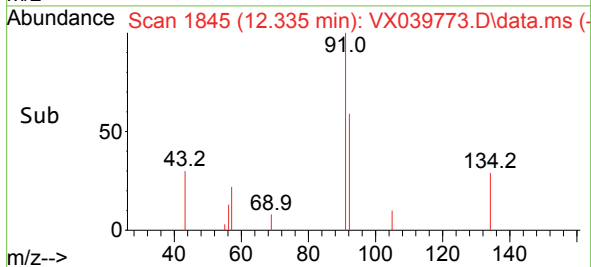
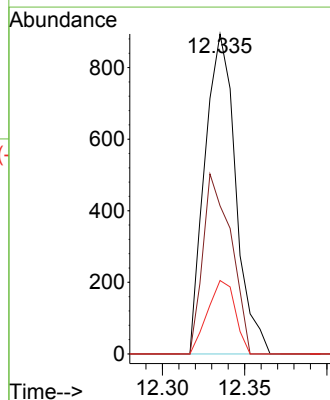
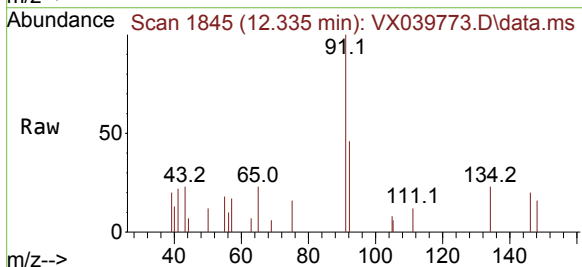
Instrument :
MSVOA_X
ClientSampleId :
MR-309-37-39

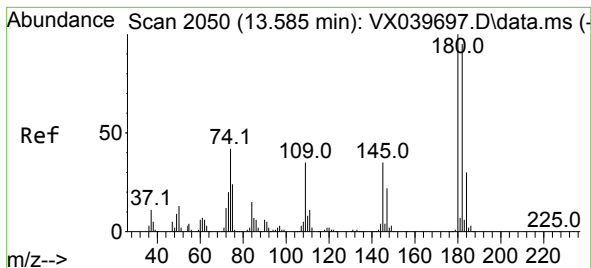
Tgt Ion: 75 Resp: 48802
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.212 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039773.D
Acq: 16 Jan 2024 14:46

Tgt Ion: 91 Resp: 1163
Ion Ratio Lower Upper
91 100
92 51.6 27.4 82.0
134 20.5 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.298 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

MR-309-37-39

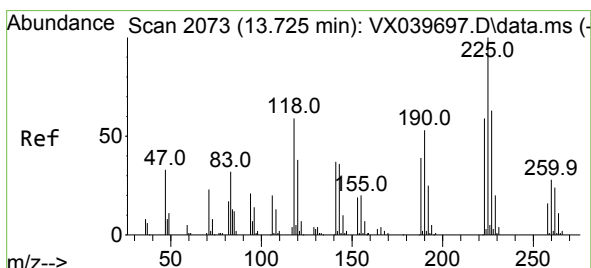
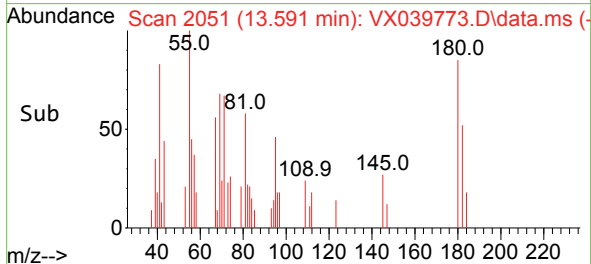
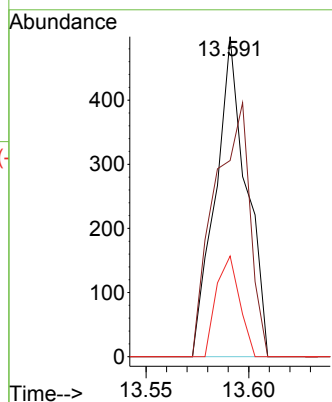
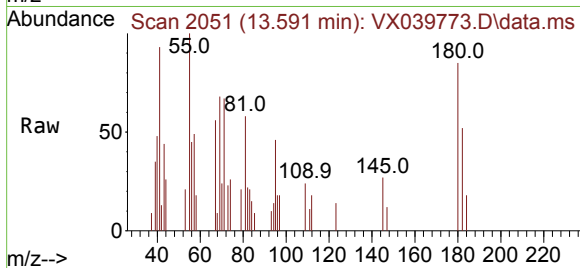
Tgt Ion:180 Resp: 520

Ion Ratio Lower Upper

180 100

182 91.0 48.3 144.8

145 23.8 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.342 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

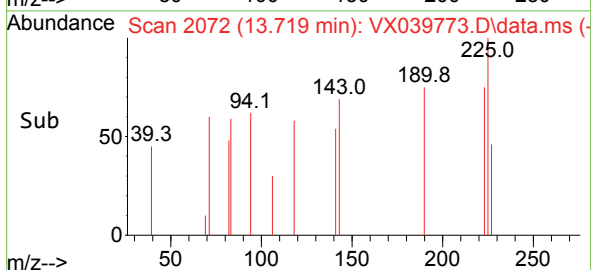
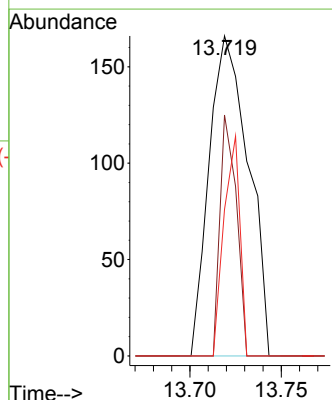
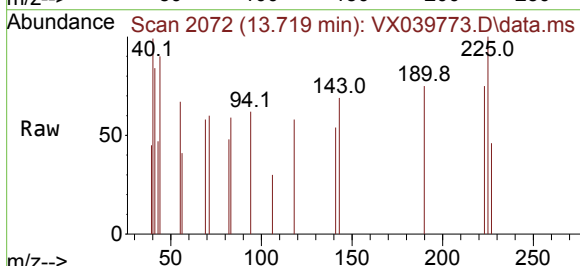
Tgt Ion:225 Resp: 248

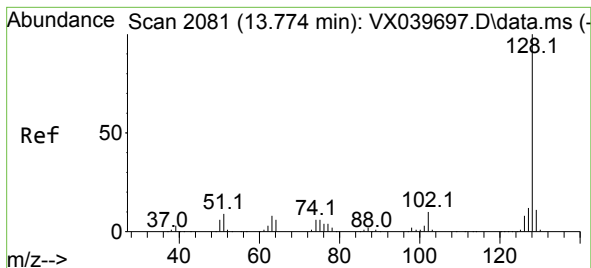
Ion Ratio Lower Upper

225 100

223 31.5 31.1 93.2

227 0.0 32.5 97.5#





#95

Naphthalene

Concen: 0.236 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

MR-309-37-39

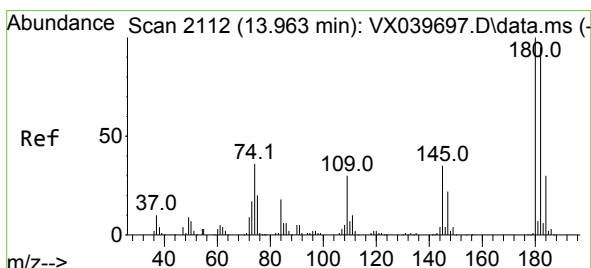
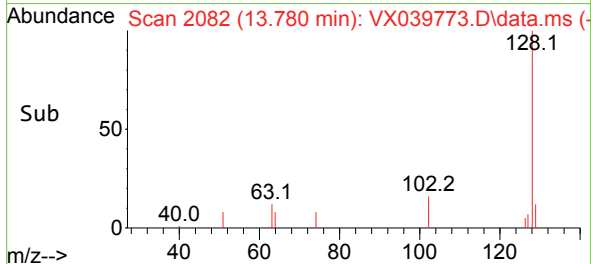
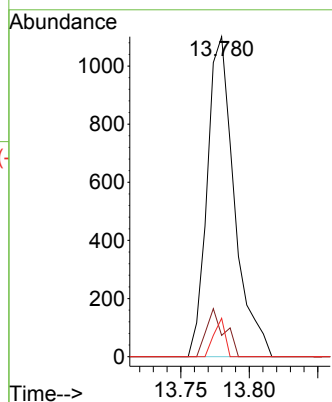
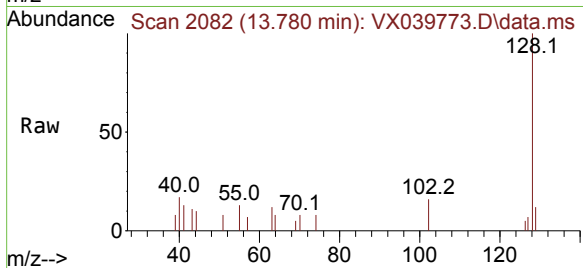
Tgt Ion:128 Resp: 1515

Ion Ratio Lower Upper

128 100

127 10.1 10.3 15.5#

129 5.0 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.232 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX039773.D

Acq: 16 Jan 2024 14:46

Tgt Ion:180 Resp: 408

Ion Ratio Lower Upper

180 100

182 97.1 46.9 140.6

145 27.0 17.8 53.5

