

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030124\
 Data File : VX040549.D
 Acq On : 01 Mar 2024 13:40
 Operator : JC/MD
 Sample : VX0301MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBL01

Quant Time: Mar 01 23:18:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

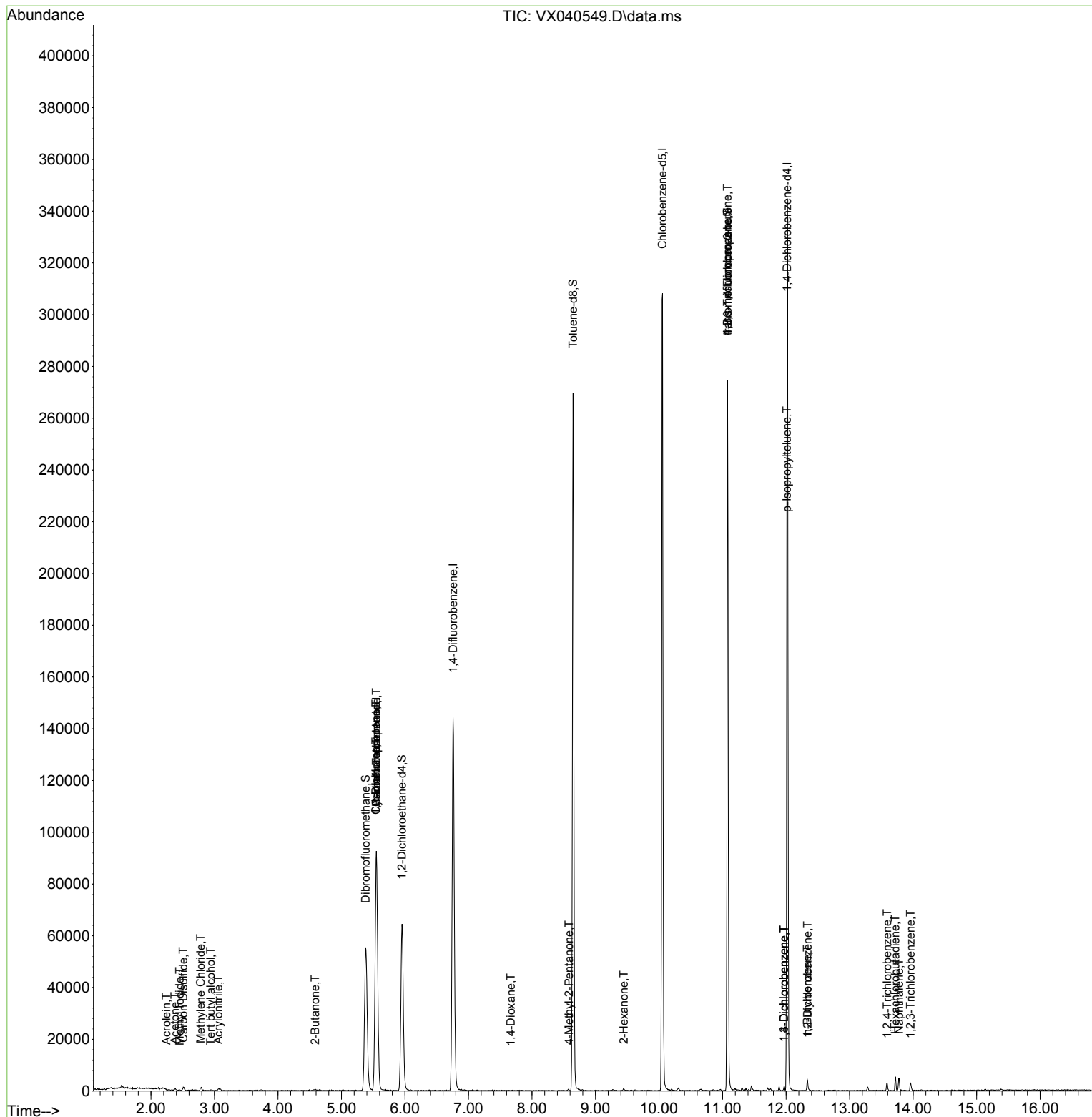
Internal Standards						
1) Pentafluorobenzene	5.550	168	80778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138514	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66188	48.990	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.980%		
35) Dibromofluoromethane	5.379	113	47629	49.448	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.900%		
50) Toluene-d8	8.647	98	151475	43.324	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	86.640%#		
62) 4-Bromofluorobenzene	11.079	95	67679	50.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.560%		
Target Compounds					Qvalue	
10) Methyl Iodide	2.453	142	99	3.106	ug/l #	34
11) Tert butyl alcohol	2.940	59	340	1.497	ug/l #	78
13) Acrolein	2.239	56	135	0.927	ug/l #	41
15) Acrylonitrile	3.062	53	437	0.767	ug/l #	82
16) Acetone	2.380	43	466	1.058	ug/l #	63
17) Carbon Disulfide	2.508	76	1651	0.648	ug/l #	95
20) Methylene Chloride	2.782	84	523	0.496	ug/l #	67
25) 2-Butanone	4.586	43	314	0.409	ug/l #	51
31) Cyclohexane	5.544	56	2322	1.517	ug/l #	45
36) 1,1-Dichloropropene	5.544	75	7331	4.940	ug/l #	47
38) Carbon Tetrachloride	5.550	117	9346	6.519	ug/l #	16
49) 1,4-Dioxane	7.665	88	61	2.532	ug/l #	48
51) 4-Methyl-2-Pentanone	8.580	43	424	0.252	ug/l #	66
59) 2-Hexanone	9.445	43	628	0.485	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	40087	27.927	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	40087	80.812	ug/l #	5
86) p-Isopropyltoluene	12.012	119	854	0.205	ug/l #	60
87) 1,3-Dichlorobenzene	11.969	146	705	0.311	ug/l	88
88) 1,4-Dichlorobenzene	11.969	146	705	0.306	ug/l	89
89) n-Butylbenzene	12.335	91	1742	0.425	ug/l	82
91) 1,2-Dichlorobenzene	12.341	146	498	0.231	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	881	0.626	ug/l	96
94) Hexachlorobutadiene	13.719	225	762	1.324	ug/l	94
95) Naphthalene	13.780	128	3409	0.758	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	997	0.745	ug/l	92

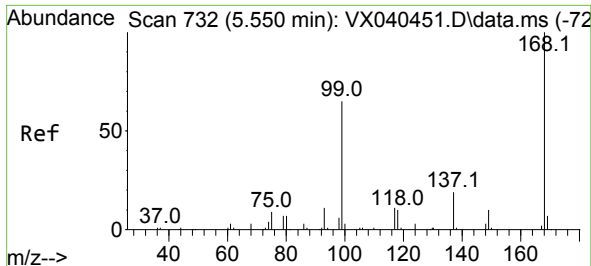
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

Quant Time: Mar 01 23:18:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 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: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

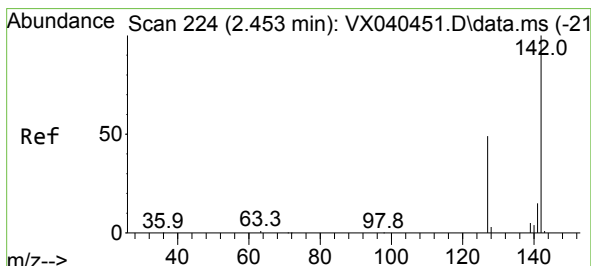
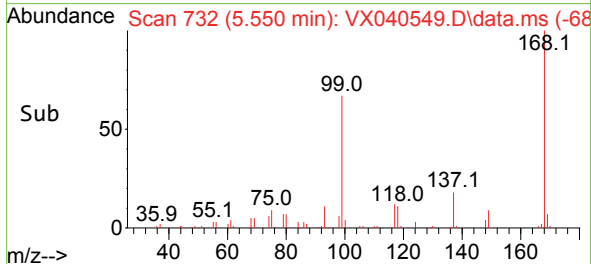
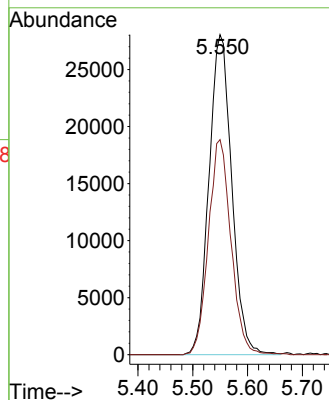
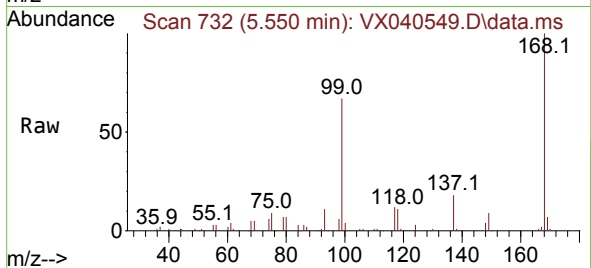
VX0301MBL01

Tgt Ion:168 Resp: 80778

Ion Ratio Lower Upper

168 100

99 67.2 56.6 85.0



#10

Methyl Iodide

Concen: 3.106 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.000 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

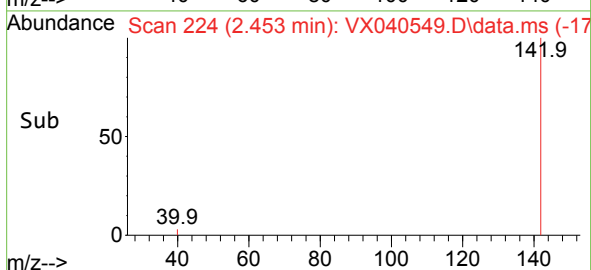
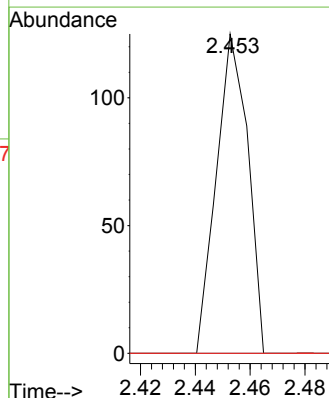
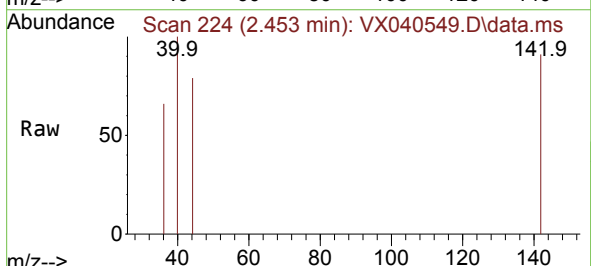
Tgt Ion:142 Resp: 99

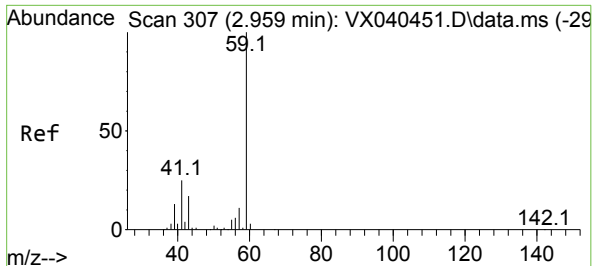
Ion Ratio Lower Upper

142 100

127 0.0 41.6 62.4#

141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 1.497 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

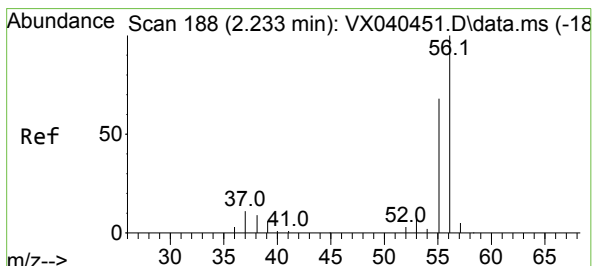
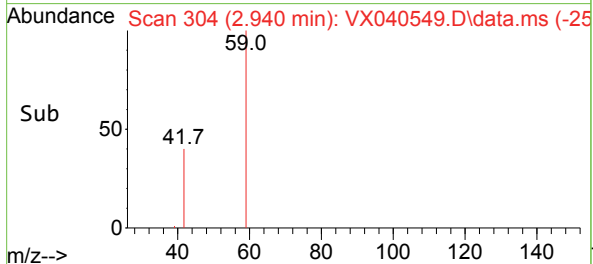
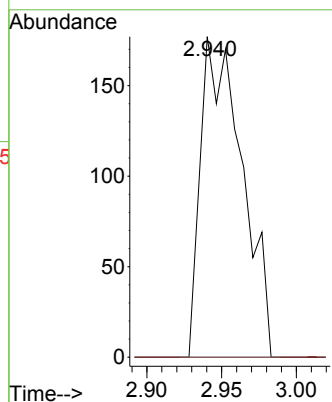
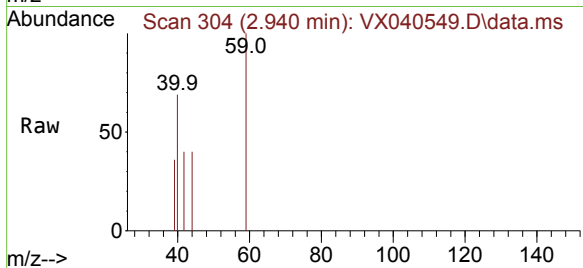
VX0301MBL01

Tgt Ion: 59 Resp: 340

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.927 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX040549.D

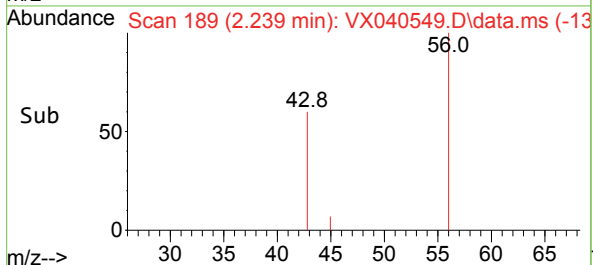
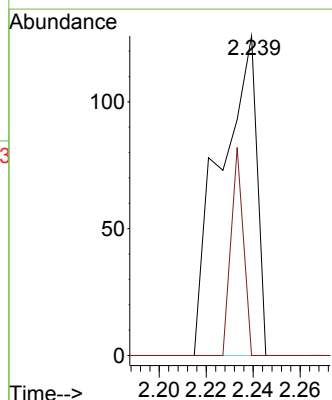
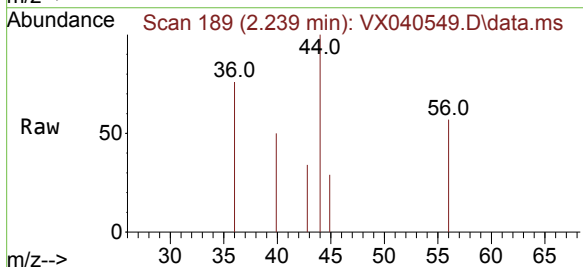
Acq: 01 Mar 2024 13:40

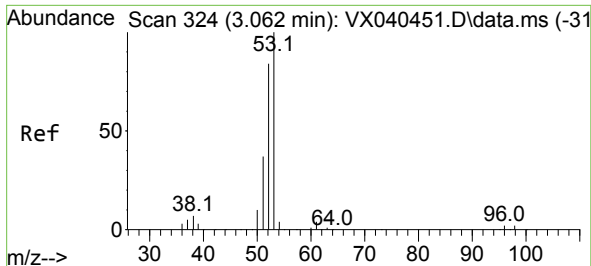
Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 22.2 57.1 85.7#

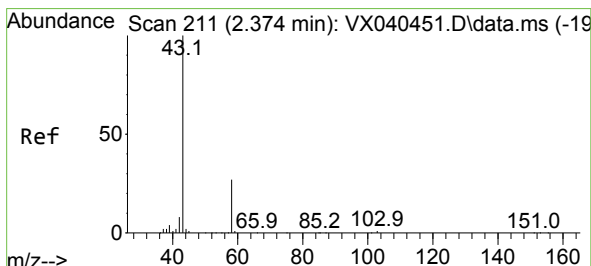
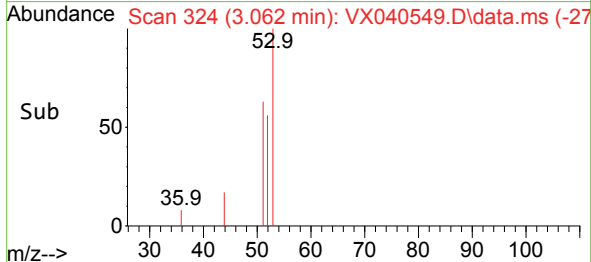
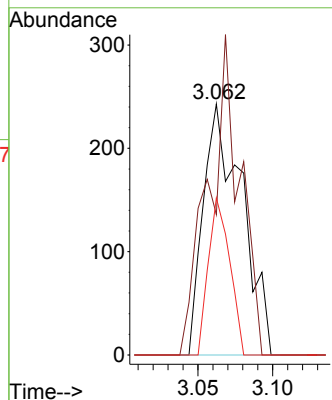
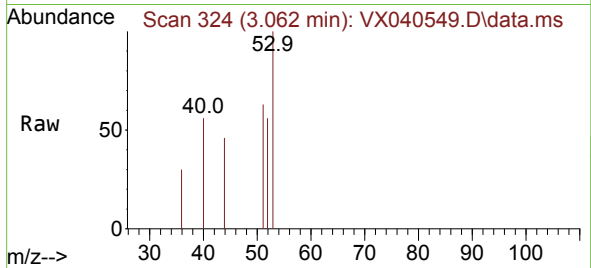




#15
Acrylonitrile
Concen: 0.767 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

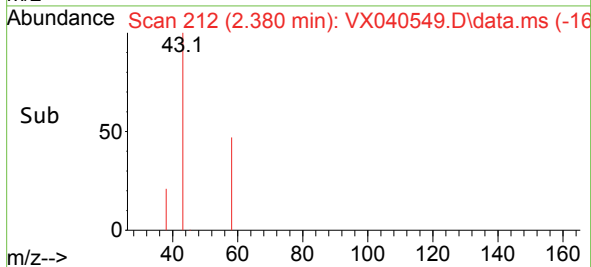
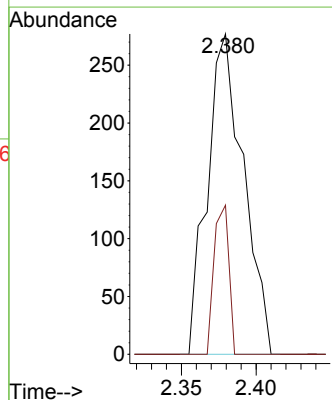
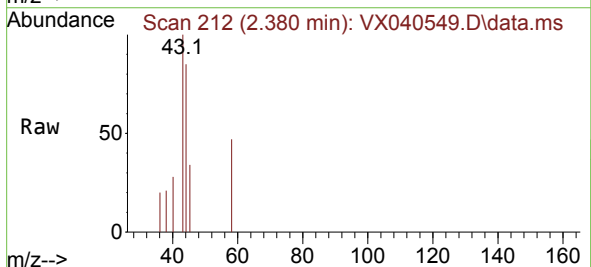
Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

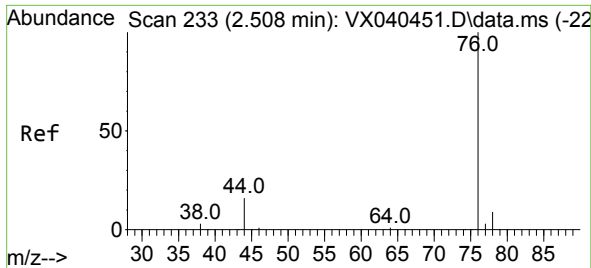
Tgt Ion: 53 Resp: 437
Ion Ratio Lower Upper
53 100
52 103.7 66.0 99.0#
51 34.6 29.8 44.6



#16
Acetone
Concen: 1.058 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
58 46.6 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.648 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

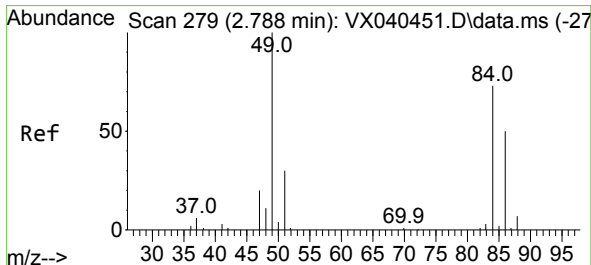
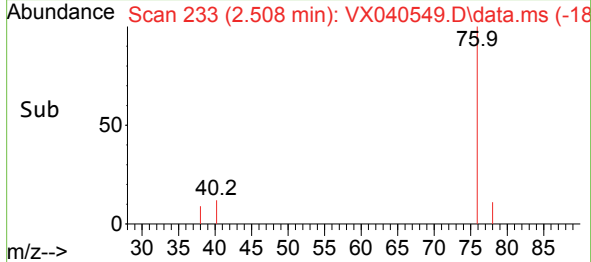
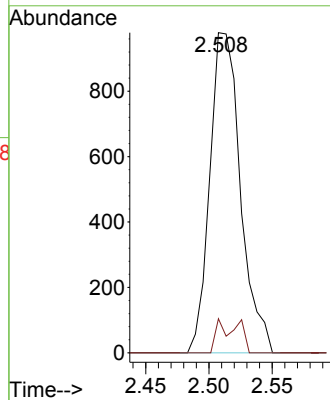
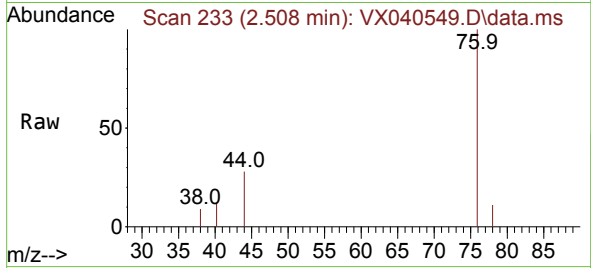
VX0301MBL01

Tgt Ion: 76 Resp: 1651

Ion Ratio Lower Upper

76 100

78 10.6 7.0 10.6#



#20

Methylene Chloride

Concen: 0.496 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

Tgt Ion: 84 Resp: 523

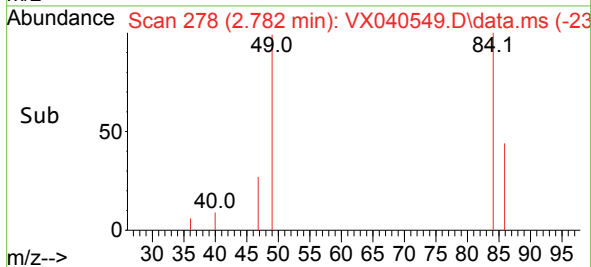
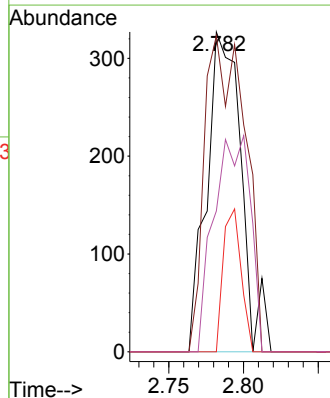
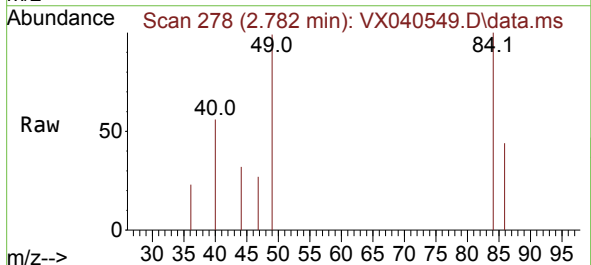
Ion Ratio Lower Upper

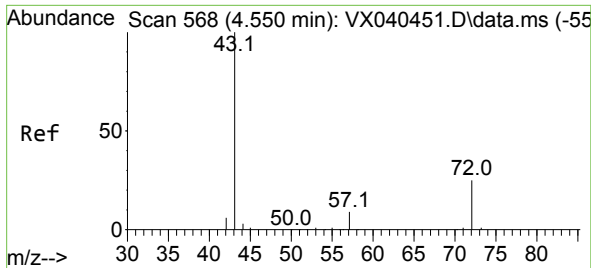
84 100

49 98.8 103.6 155.4#

51 0.0 33.8 50.6#

86 44.0 49.4 74.0#

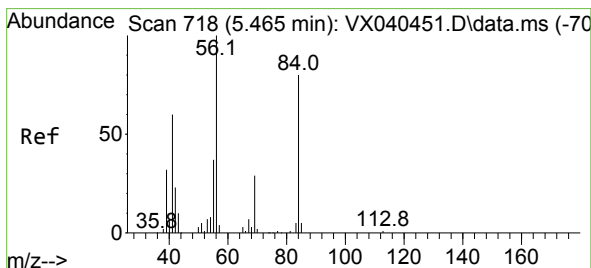
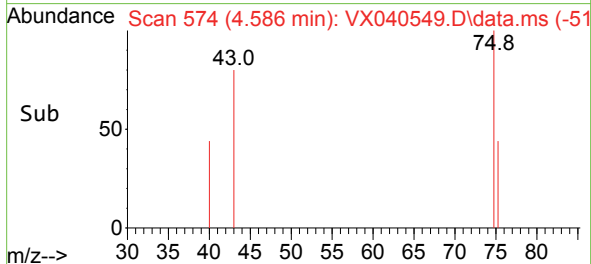
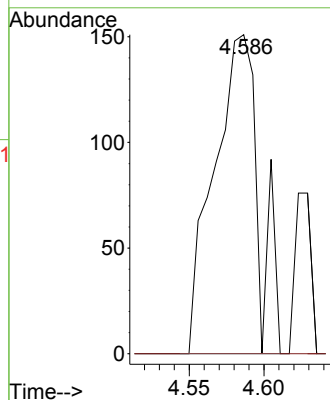
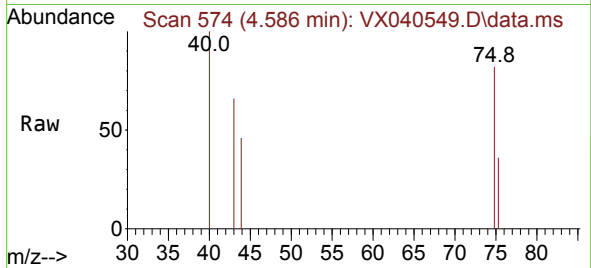




#25
2-Butanone
Concen: 0.409 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

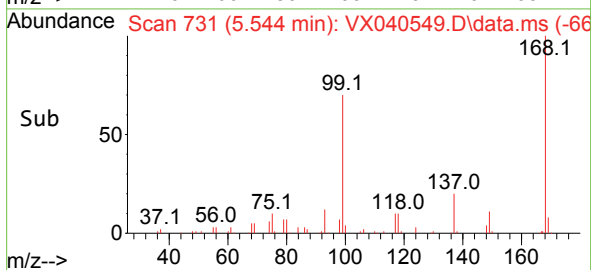
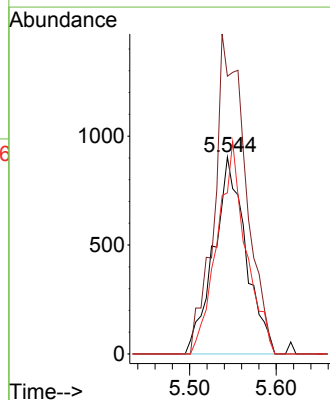
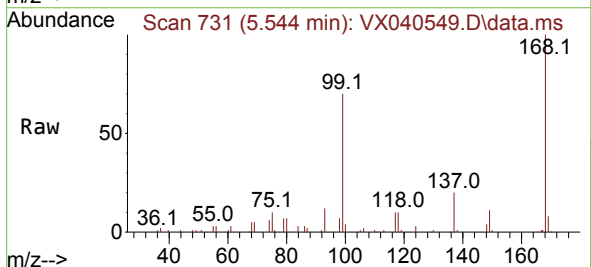
Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

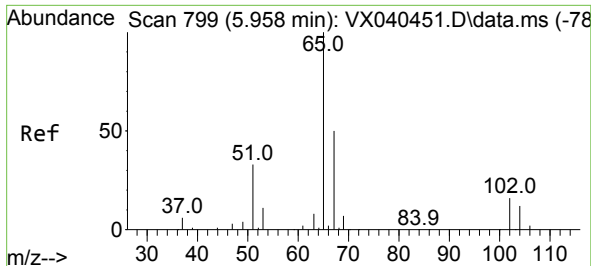
Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.517 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Tgt Ion: 56 Resp: 2322
Ion Ratio Lower Upper
56 100
69 141.0 23.4 35.2#
84 81.9 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 48.990 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

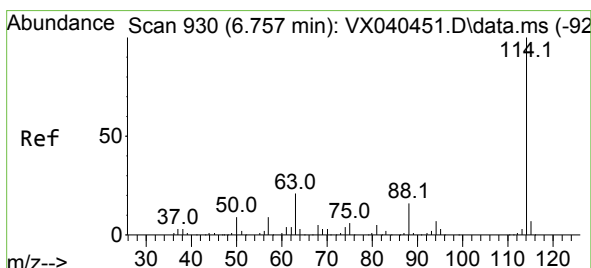
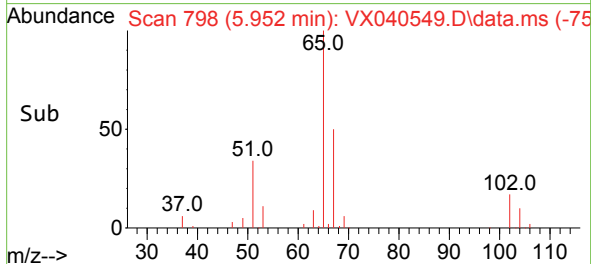
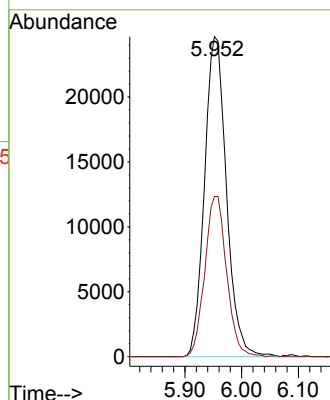
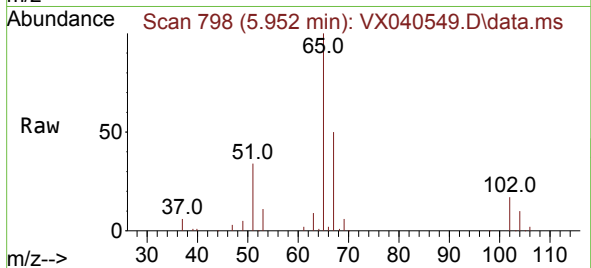
VX0301MBL01

Tgt Ion: 65 Resp: 66188

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

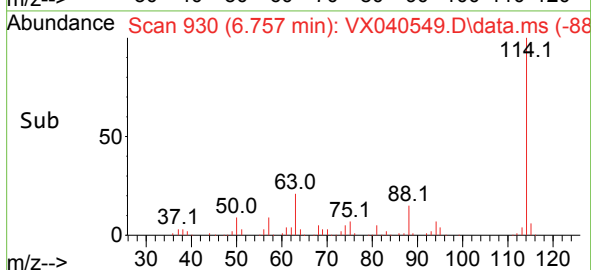
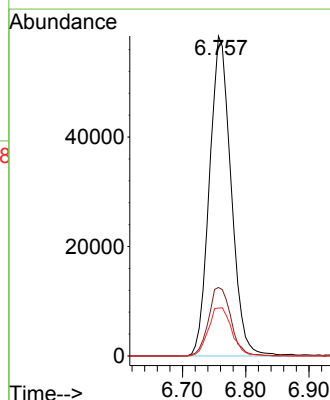
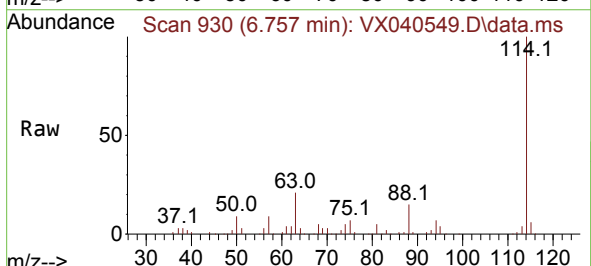
Tgt Ion: 114 Resp: 138514

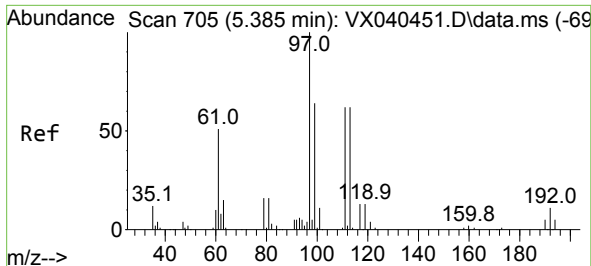
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 14.9 0.0 36.6

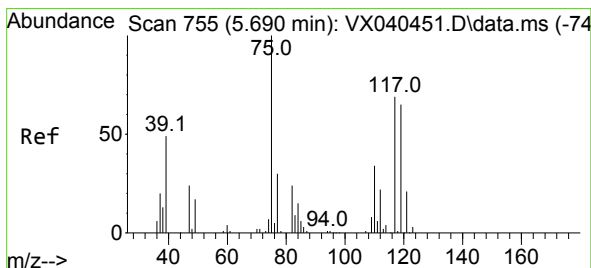
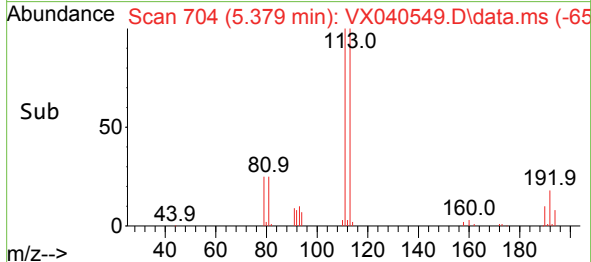
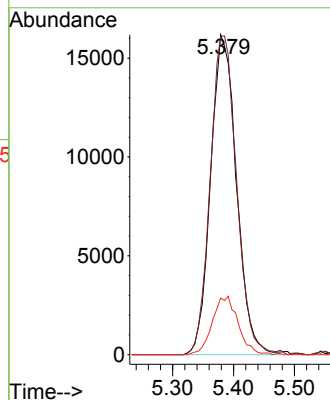
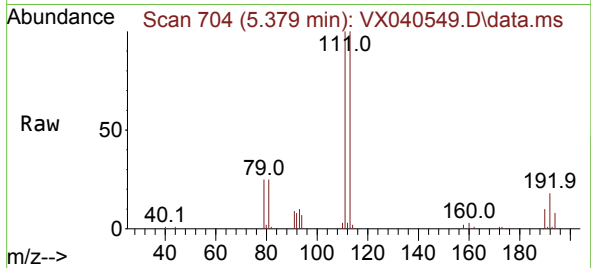




#35
Dibromofluoromethane
Concen: 49.448 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

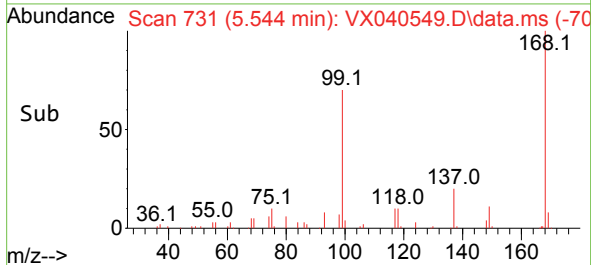
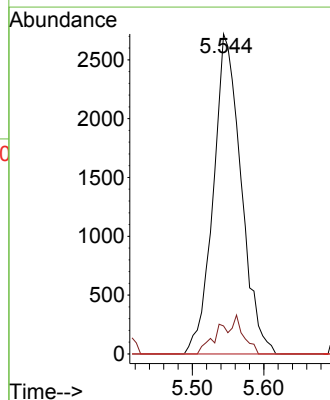
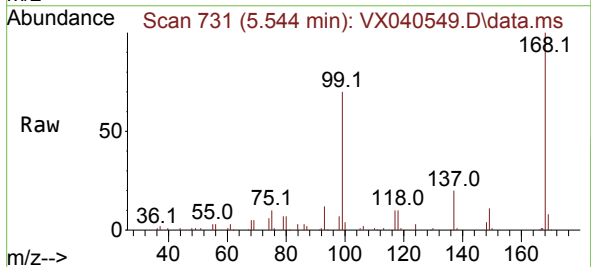
Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

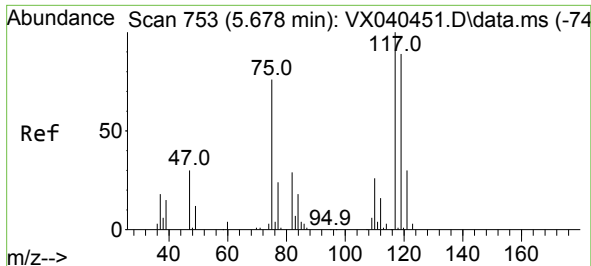
Tgt Ion:113 Resp: 47629
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.940 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

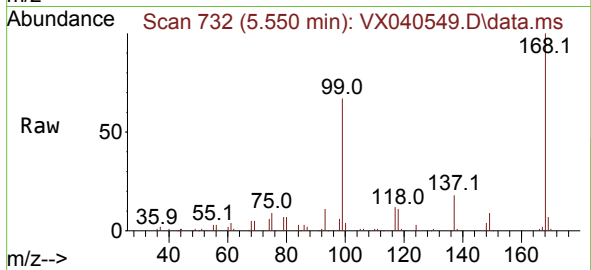
Tgt Ion: 75 Resp: 7331
Ion Ratio Lower Upper
75 100
110 5.3 17.0 50.9#
77 0.0 24.7 37.1#



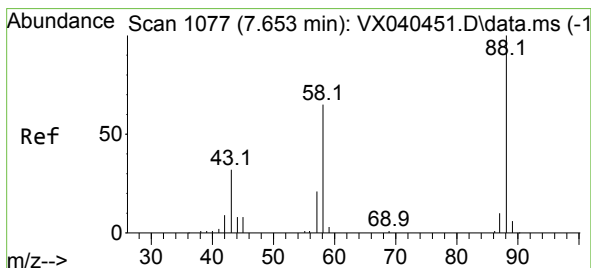
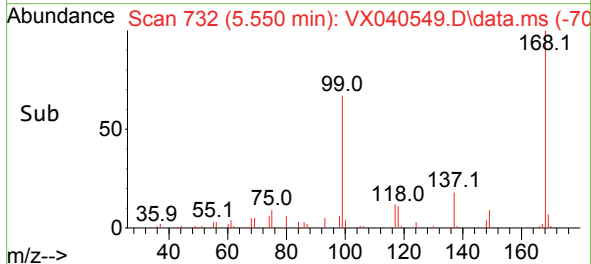
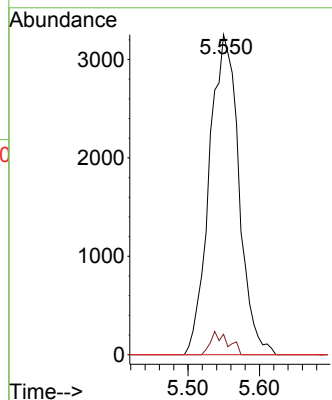


#38
Carbon Tetrachloride
Concen: 6.519 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

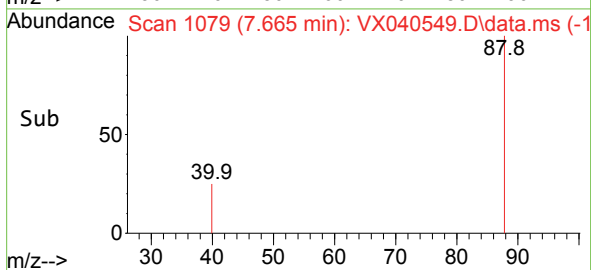
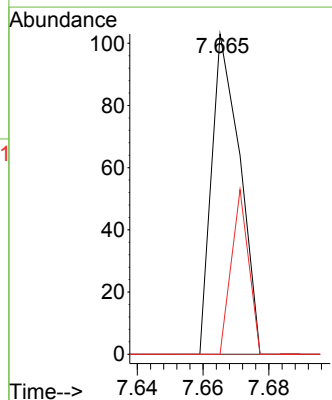
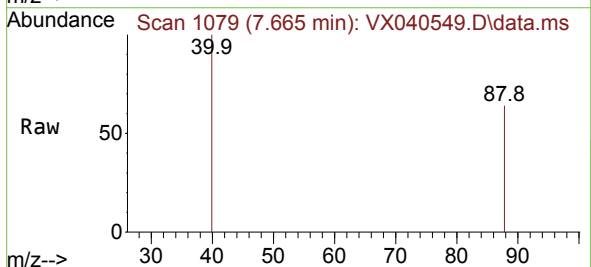


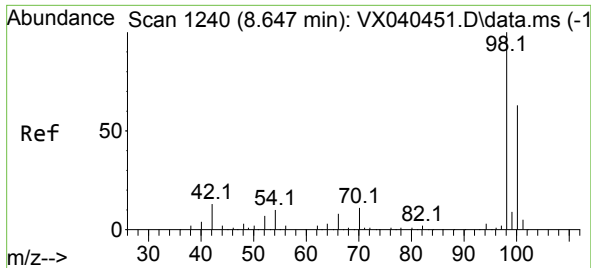
Tgt Ion:117 Resp: 9346
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 2.532 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.012 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 31.1 60.1 90.1#

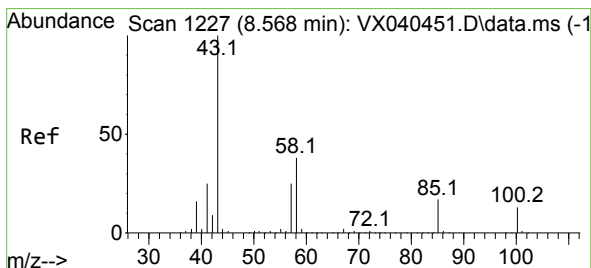
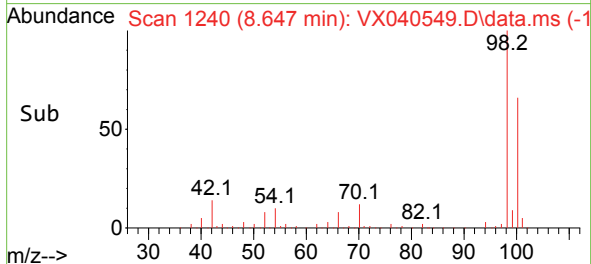
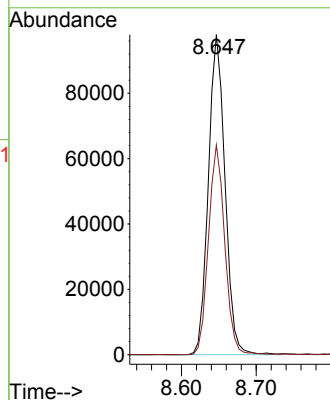
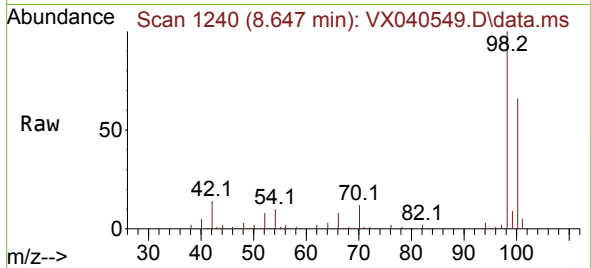




#50
Toluene-d8
Concen: 43.324 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

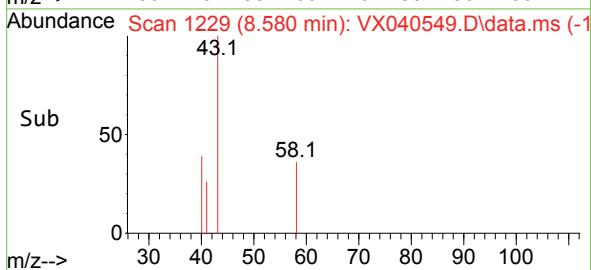
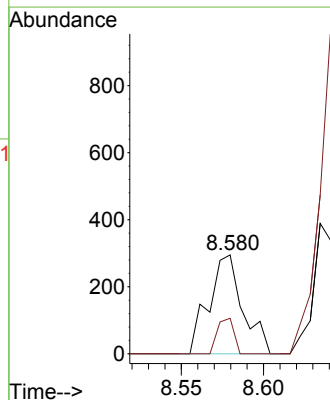
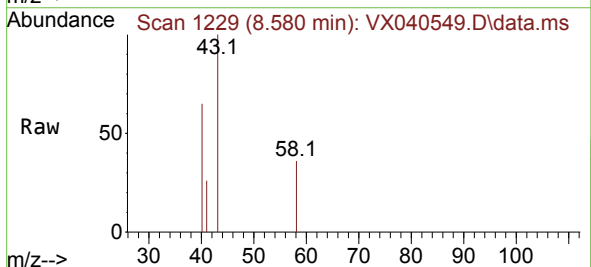
Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

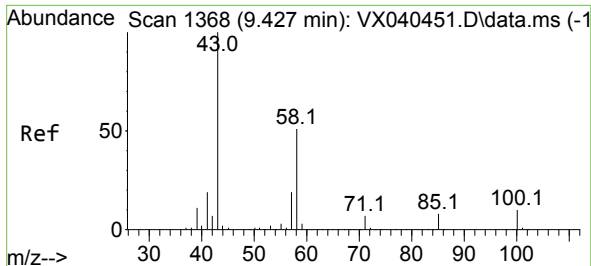
Tgt Ion: 98 Resp: 151475
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.252 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
58 17.5 30.4 45.6#

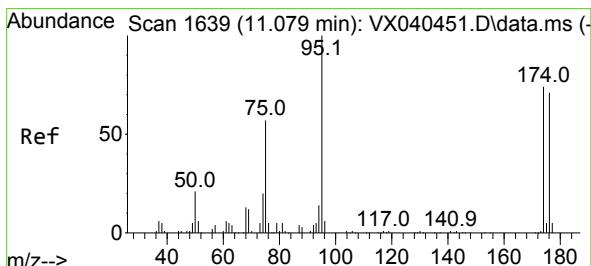
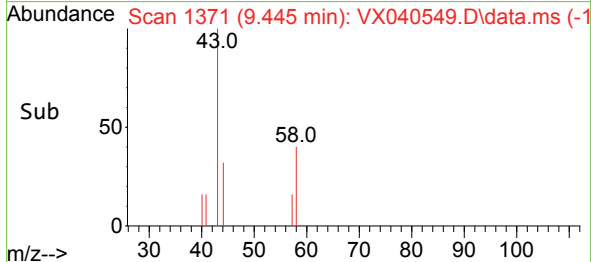
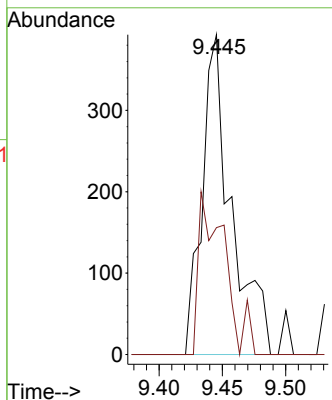
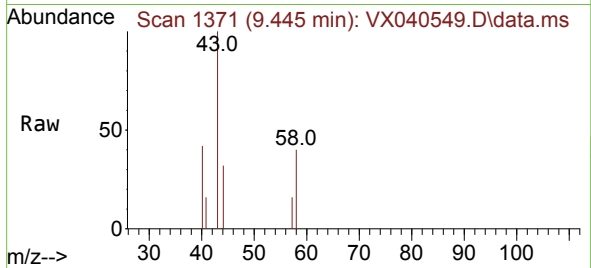




#59
2-Hexanone
Concen: 0.485 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

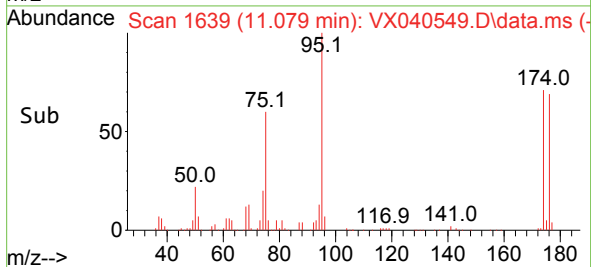
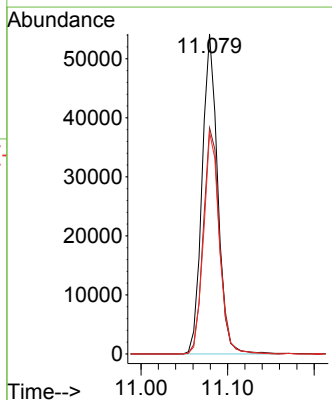
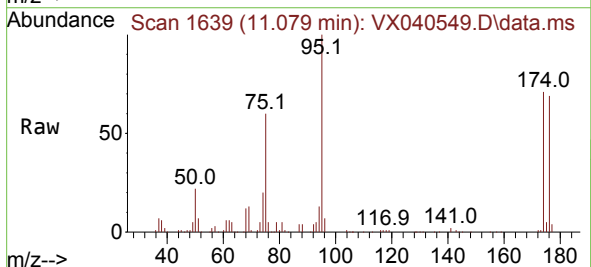
Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

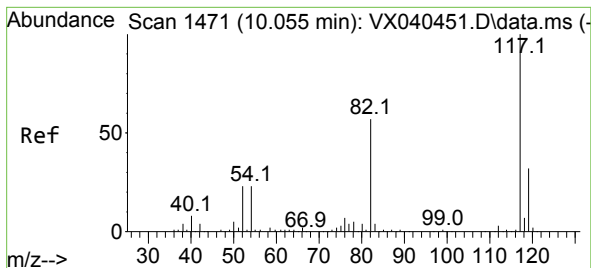
Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
58 45.7 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 50.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Tgt Ion: 95 Resp: 67679
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 70.2 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: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBL01

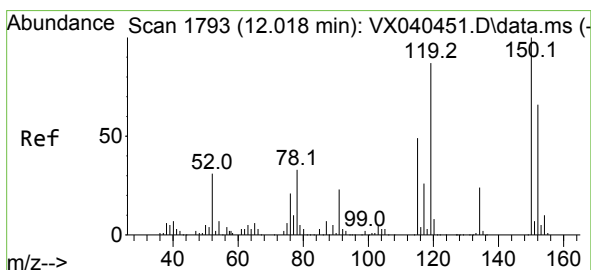
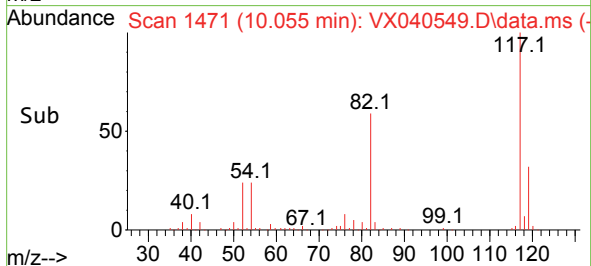
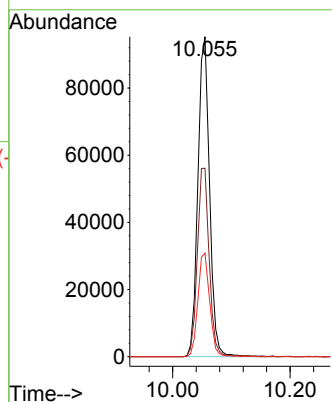
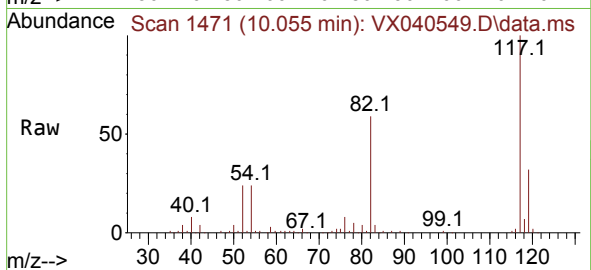
Tgt Ion:117 Resp: 131278

Ion Ratio Lower Upper

117 100

82 58.9 46.2 69.4

119 32.4 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: VX040549.D

Acq: 01 Mar 2024 13:40

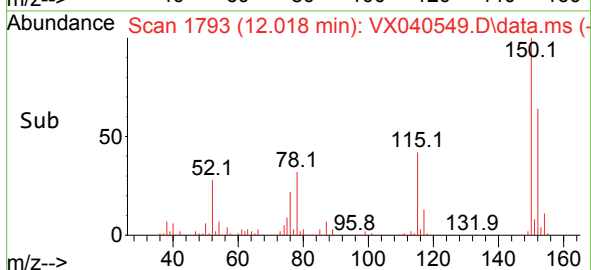
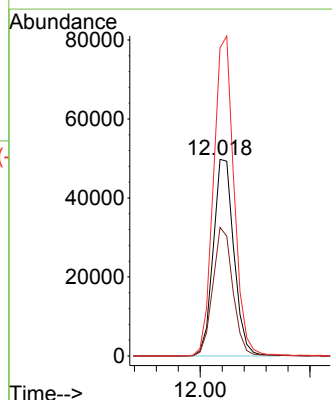
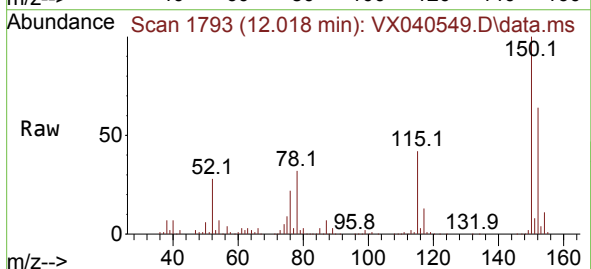
Tgt Ion:152 Resp: 65221

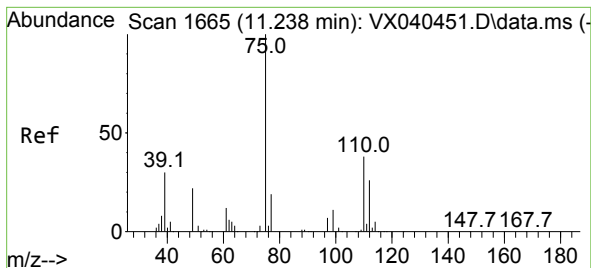
Ion Ratio Lower Upper

152 100

115 63.5 43.3 129.9

150 162.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.927 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

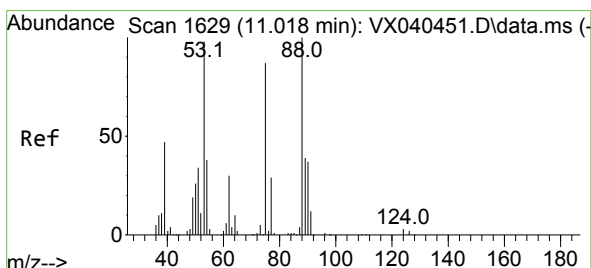
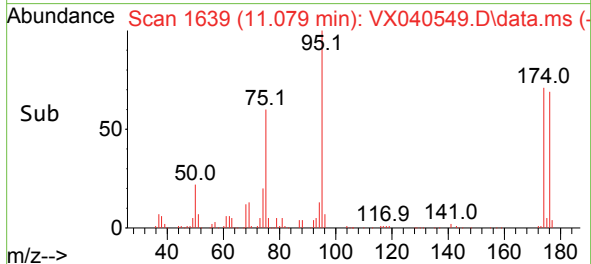
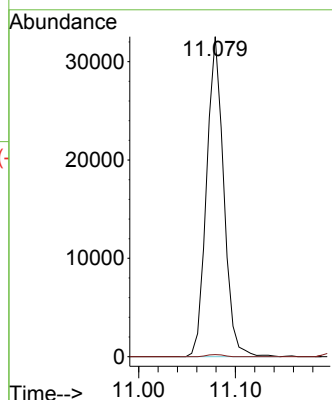
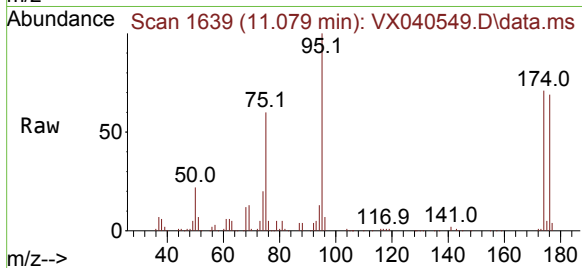
VX0301MBL01

Tgt Ion: 75 Resp: 40087

Ion Ratio Lower Upper

75 100

77 0.6 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.812 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

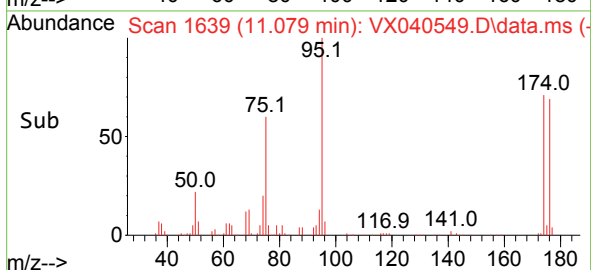
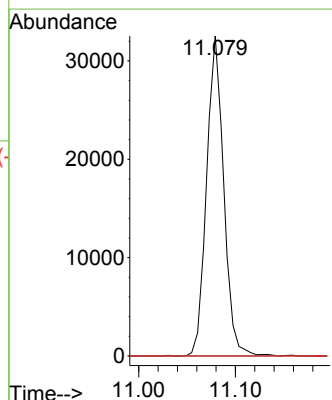
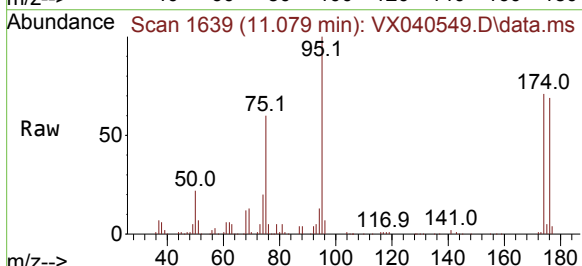
Tgt Ion: 75 Resp: 40087

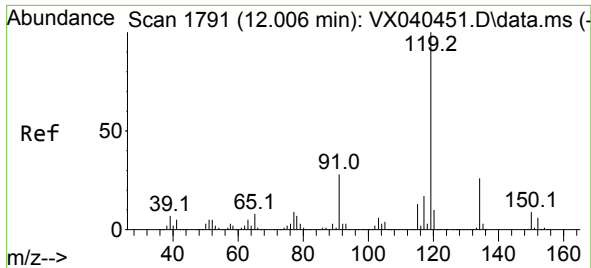
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

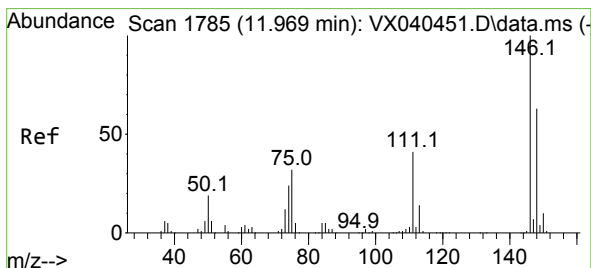
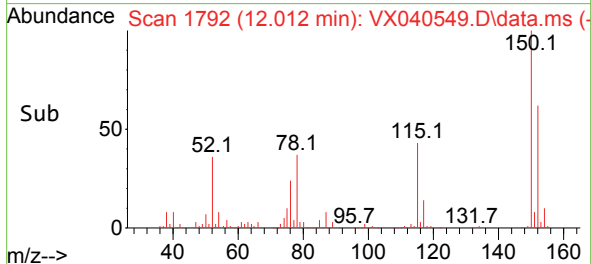
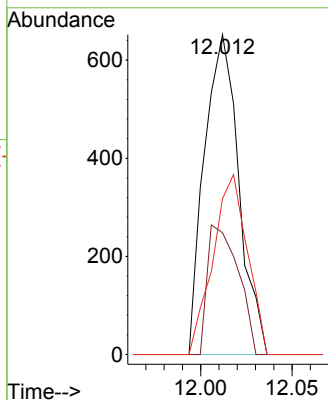
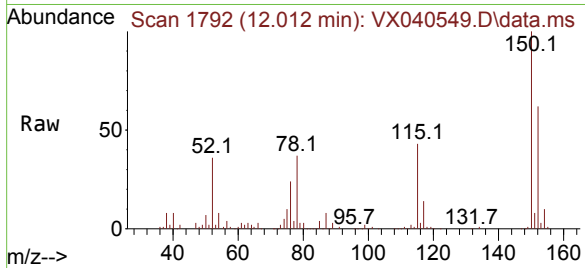




#86
p-Isopropyltoluene
Concen: 0.205 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

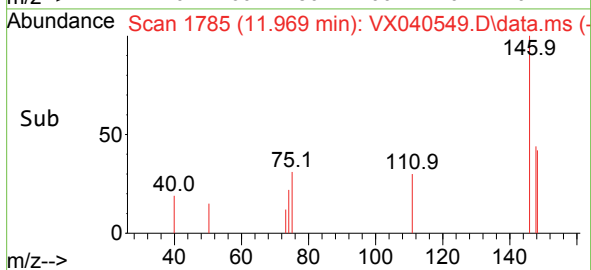
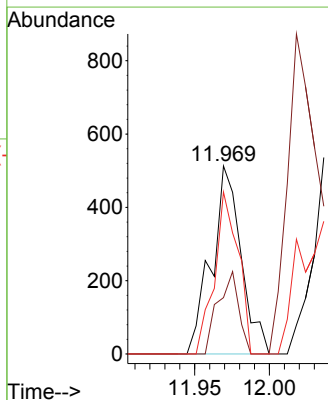
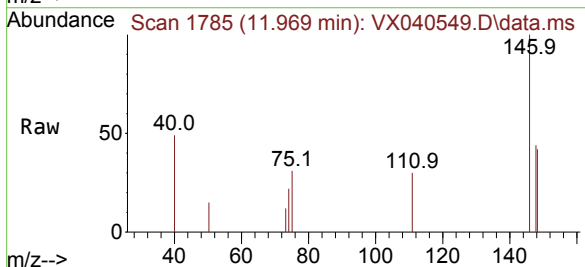
Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

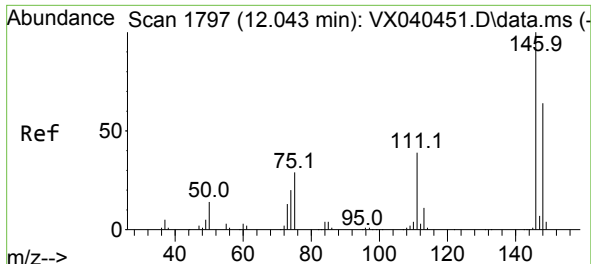
Tgt Ion:119 Resp: 854
Ion Ratio Lower Upper
119 100
134 36.1 12.8 38.3
91 56.2 13.1 39.3#



#87
1,3-Dichlorobenzene
Concen: 0.311 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Tgt Ion:146 Resp: 705
Ion Ratio Lower Upper
146 100
111 30.8 22.1 66.1
148 68.8 31.8 95.3

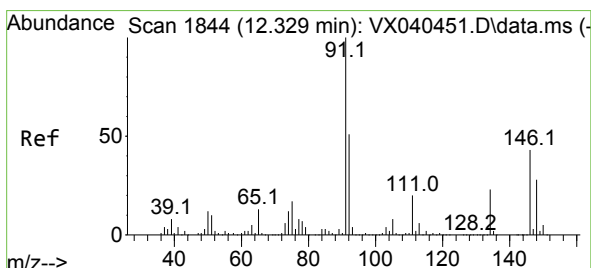
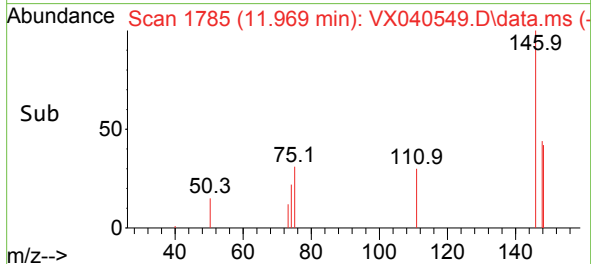
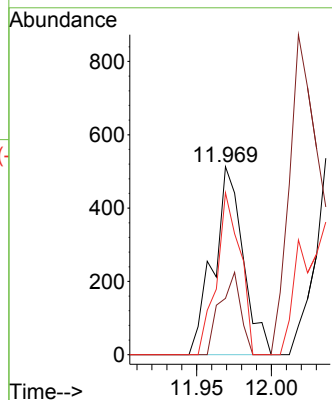
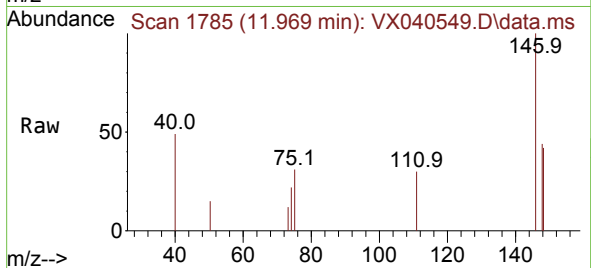




#88
1,4-Dichlorobenzene
Concen: 0.306 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

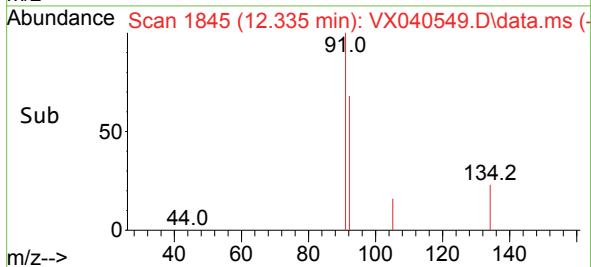
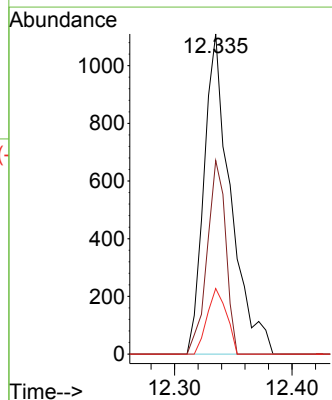
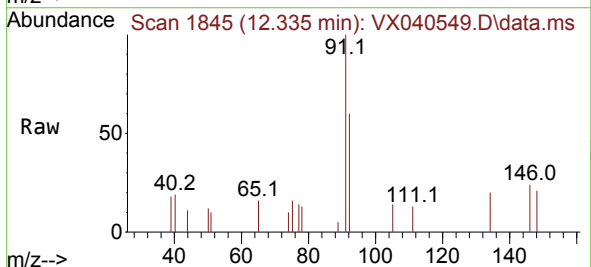
Instrument :
MSVOA_X
ClientSampleId :
VX0301MBL01

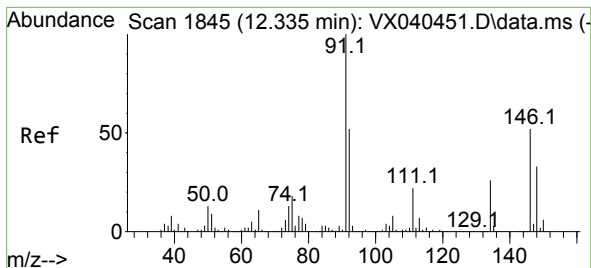
Tgt Ion:146	Resp:	705
Ion	Ratio	Lower Upper
146	100	
111	30.8	21.3 63.7
148	68.8	31.8 95.4



#89
n-Butylbenzene
Concen: 0.425 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040549.D
Acq: 01 Mar 2024 13:40

Tgt Ion: 91	Resp:	1742
Ion	Ratio	Lower Upper
91	100	
92	42.3	27.4 82.0
134	14.9	12.6 37.8





#91

1,2-Dichlorobenzene

Concen: 0.231 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBL01

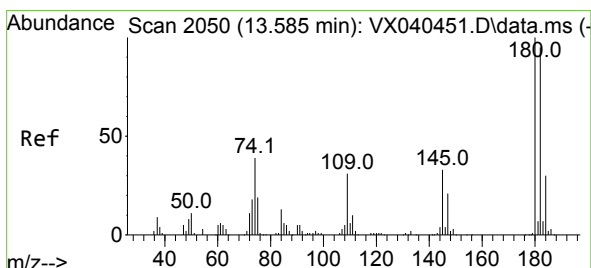
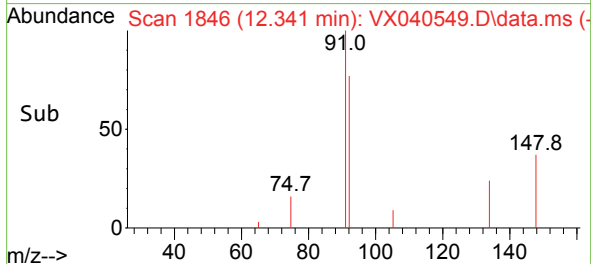
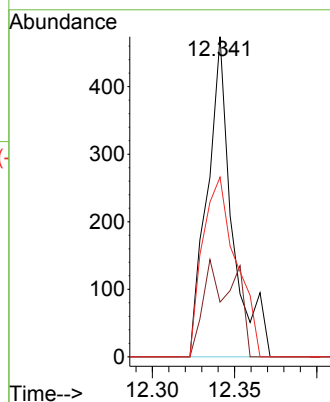
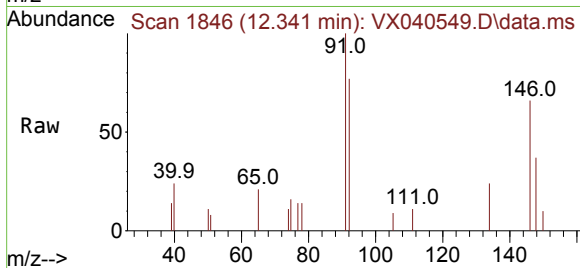
Tgt Ion:146 Resp: 498

Ion Ratio Lower Upper

146 100

111 37.8 22.4 67.0

148 75.5 31.6 95.0



#93

1,2,4-Trichlorobenzene

Concen: 0.626 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

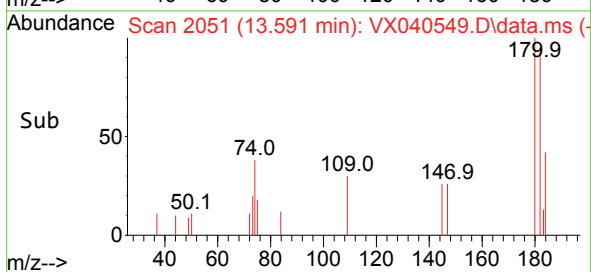
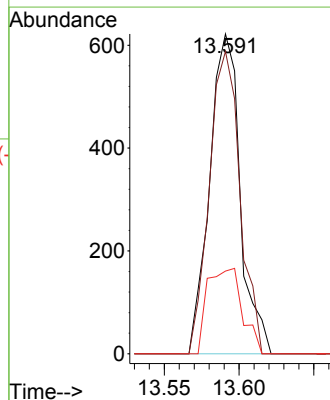
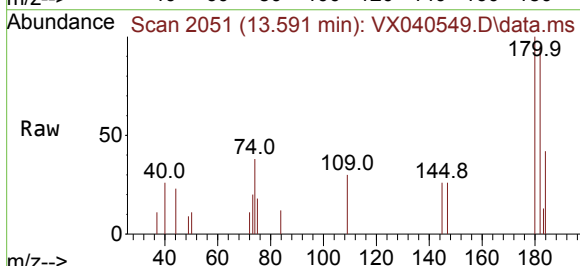
Tgt Ion:180 Resp: 881

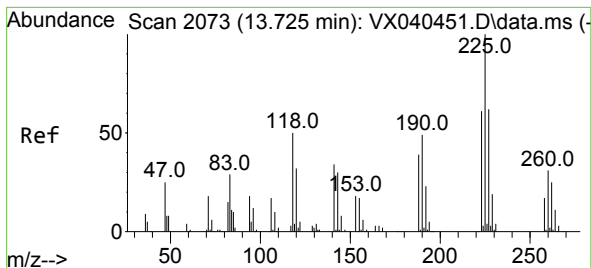
Ion Ratio Lower Upper

180 100

182 95.0 48.3 144.8

145 30.5 18.0 54.0





#94

Hexachlorobutadiene

Concen: 1.324 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBL01

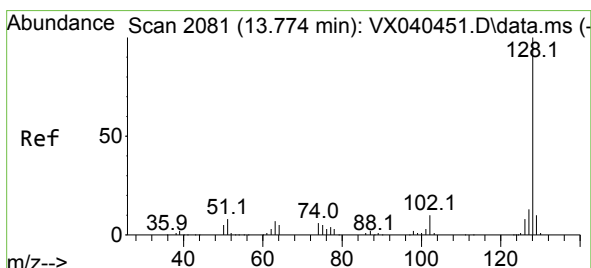
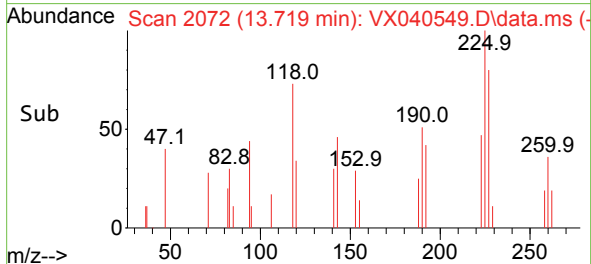
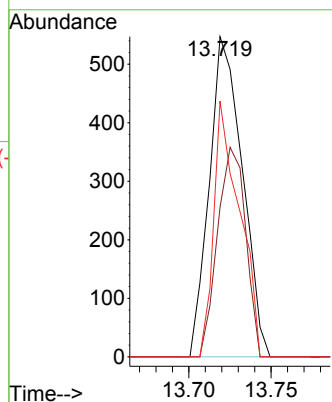
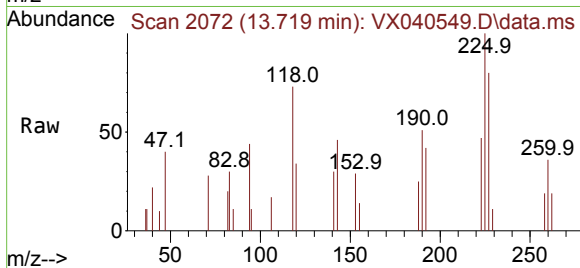
Tgt Ion:225 Resp: 762

Ion Ratio Lower Upper

225 100

223 55.6 31.1 93.2

227 62.1 32.5 97.5



#95

Naphthalene

Concen: 0.758 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040549.D

Acq: 01 Mar 2024 13:40

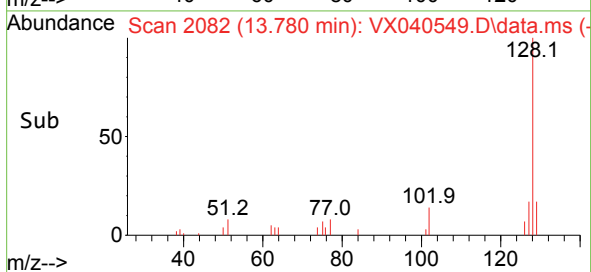
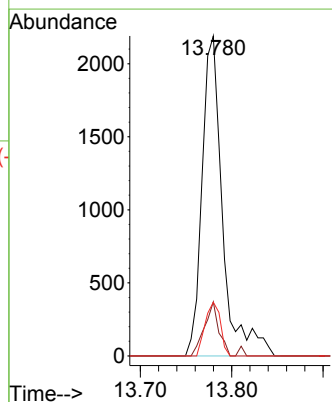
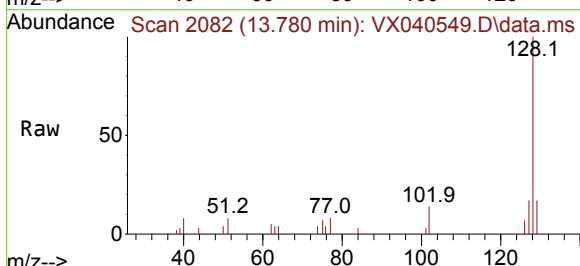
Tgt Ion:128 Resp: 3409

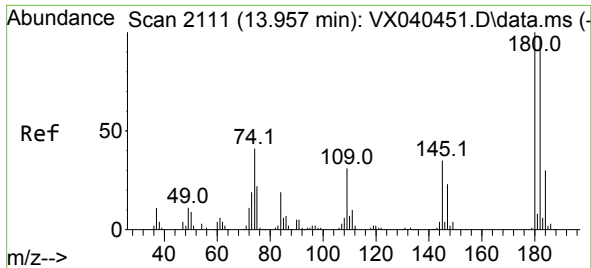
Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

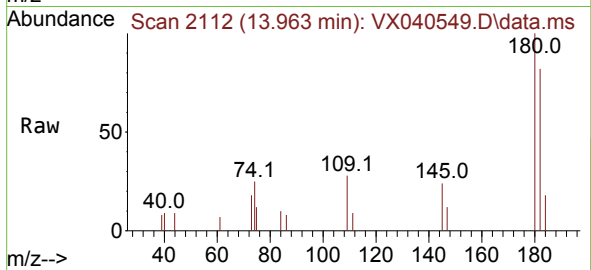
129 12.4 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.745 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX040549.D
 Acq: 01 Mar 2024 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBL01



Tgt Ion:	180	Resp:	997
Ion	Ratio	Lower	Upper
180	100		
182	86.5	46.9	140.6
145	31.0	17.8	53.5

