

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045535.D
 Acq On : 02 Apr 2025 10:30
 Operator : JC/MD
 Sample : VX0402MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402MBL01

Quant Time: Apr 03 01:46:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

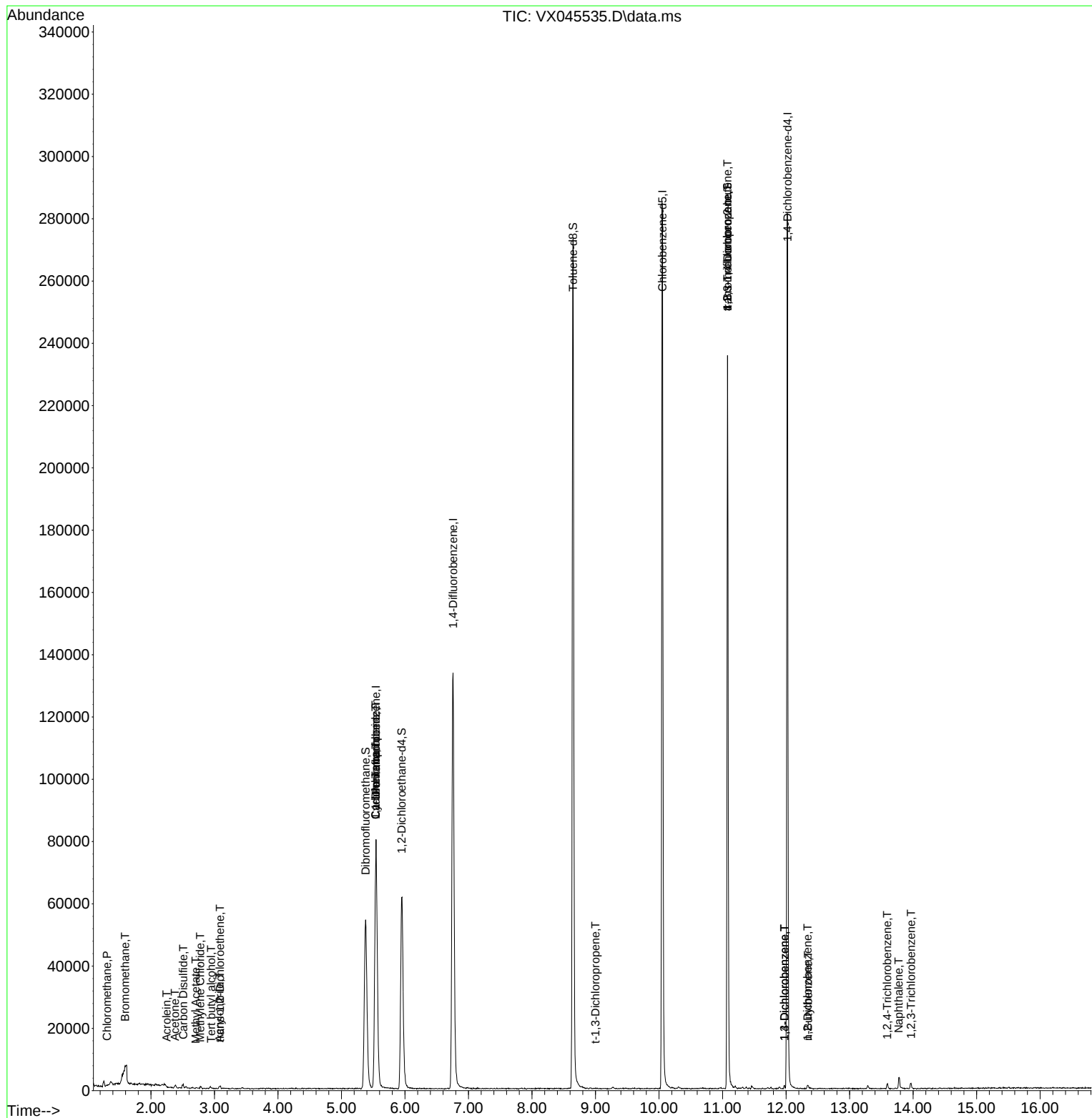
Internal Standards						
1) Pentafluorobenzene	5.543	168	66955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63952	52.230	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.460%			
35) Dibromofluoromethane	5.379	113	47325	51.568	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	8.646	98	162002	50.575	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.140%			
62) 4-Bromofluorobenzene	11.079	95	60256	51.643	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.280%			
Target Compounds						Qvalue
3) Chloromethane	1.306	50	402	0.391	ug/l #	86
5) Bromomethane	1.593	94	277	0.621	ug/l	96
11) Tert butyl alcohol	2.946	59	97	0.589	ug/l #	72
13) Acrolein	2.245	56	138	0.609	ug/l #	80
15) Acrylonitrile	3.080	53	280	0.539	ug/l #	82
16) Acetone	2.379	43	1049	2.086	ug/l	99
17) Carbon Disulfide	2.507	76	1494	0.753	ug/l #	95
18) Methyl Acetate	2.702	43	289	0.250	ug/l #	82
20) Methylene Chloride	2.776	84	362	0.385	ug/l #	67
21) trans-1,2-Dichloroethene	3.086	96	193	0.235	ug/l #	52
31) Cyclohexane	5.537	56	1905	1.268	ug/l #	16
36) 1,1-Dichloropropene	5.537	75	6632	5.352	ug/l #	50
38) Carbon Tetrachloride	5.537	117	7884	5.887	ug/l #	15
53) t-1,3-Dichloropropene	9.000	75	27	2.308	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	34649	27.034	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34649	91.751	ug/l #	1
87) 1,3-Dichlorobenzene	11.975	146	409	0.231	ug/l	87
88) 1,4-Dichlorobenzene	11.975	146	409	0.228	ug/l	88
89) n-Butylbenzene	12.347	91	625	0.207	ug/l #	77
91) 1,2-Dichlorobenzene	12.341	146	362	0.206	ug/l	71
93) 1,2,4-Trichlorobenzene	13.591	180	588	0.600	ug/l	94
95) Naphthalene	13.774	128	3310	0.908	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	661	0.644	ug/l	95

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

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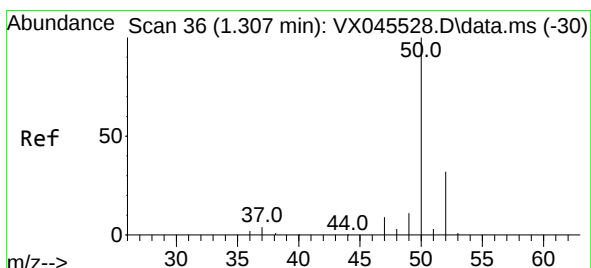
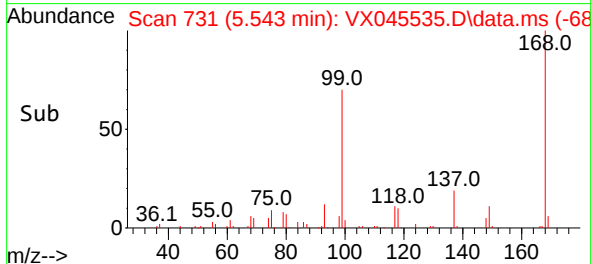
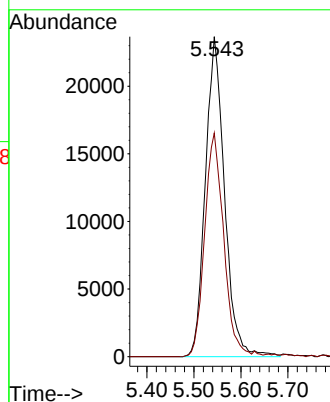
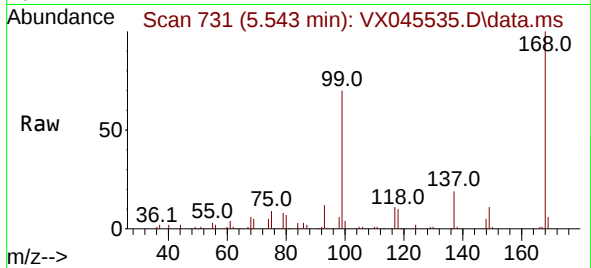




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

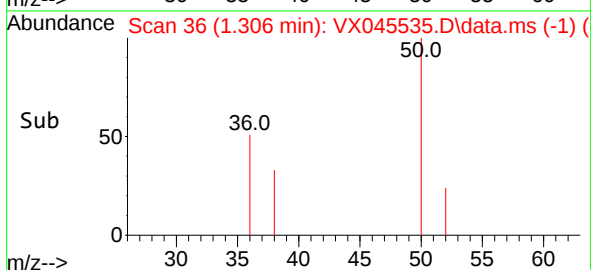
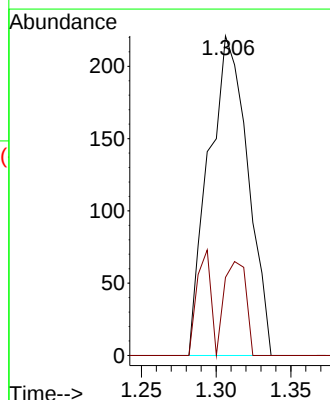
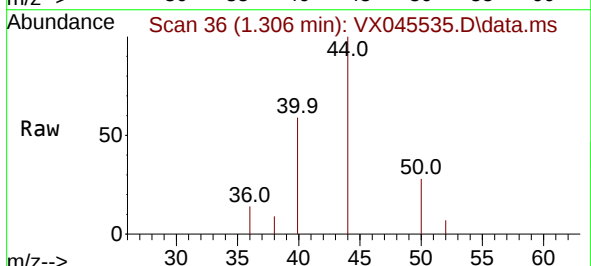
Instrument :
MSVOA_X
ClientSampleId :
VX0402MBL01

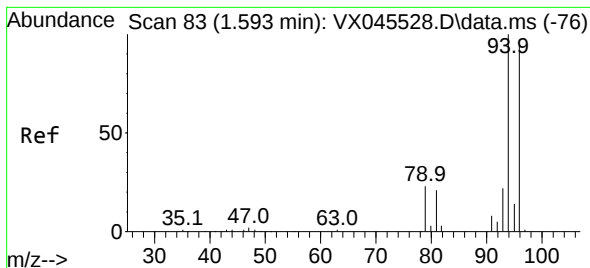
Tgt Ion:168 Resp: 66955
Ion Ratio Lower Upper
168 100
99 69.9 52.3 78.5



#3
Chloromethane
Concen: 0.391 ug/l
RT: 1.306 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Tgt Ion: 50 Resp: 402
Ion Ratio Lower Upper
50 100
52 24.4 25.9 38.9#





#5

Bromomethane

Concen: 0.621 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

Instrument :

MSVOA_X

ClientSampleId :

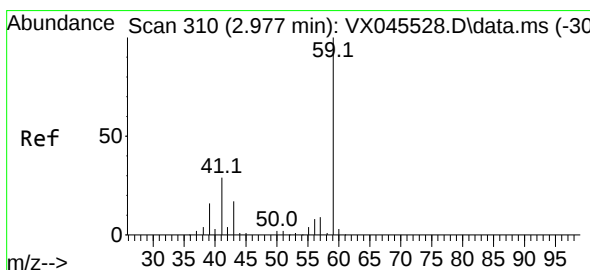
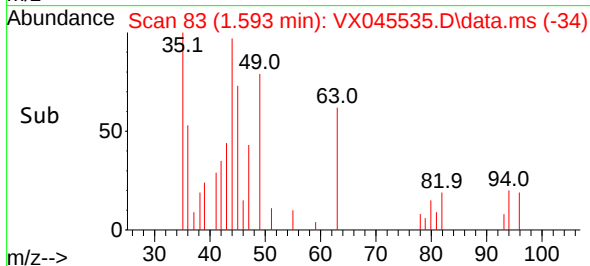
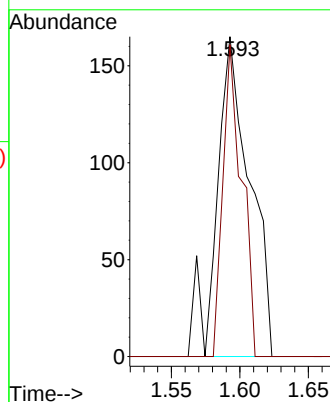
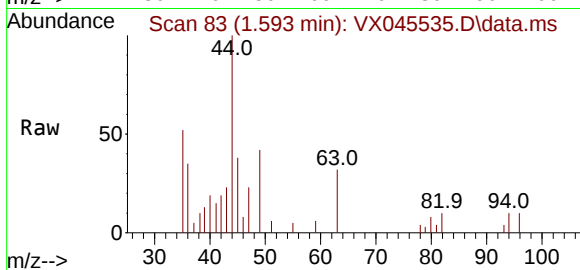
VX0402MBL01

Tgt Ion: 94 Resp: 277

Ion Ratio Lower Upper

94 100

96 97.6 74.8 112.2



#11

Tert butyl alcohol

Concen: 0.589 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.031 min

Lab File: VX045535.D

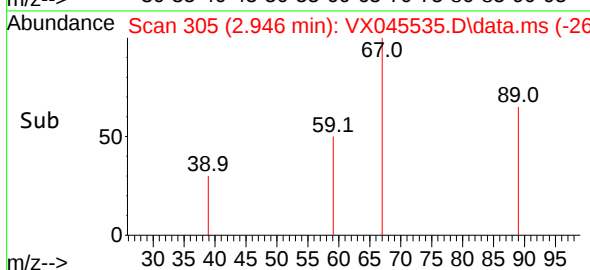
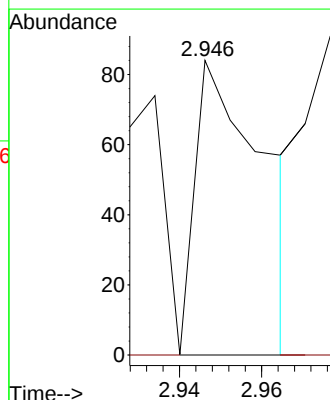
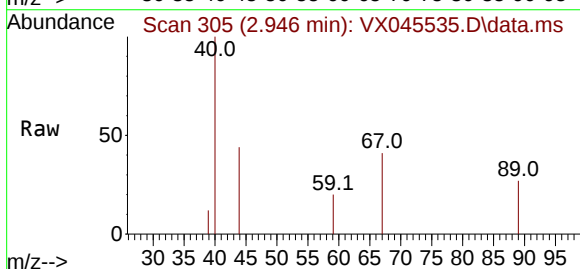
Acq: 02 Apr 2025 10:30

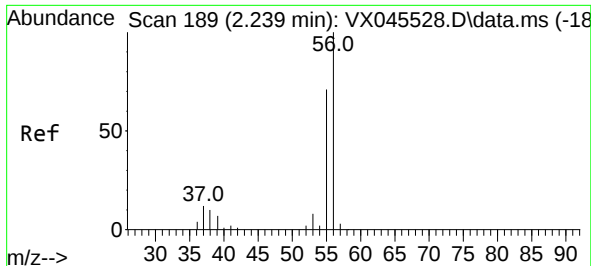
Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

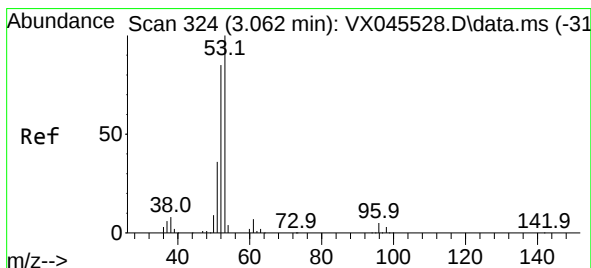
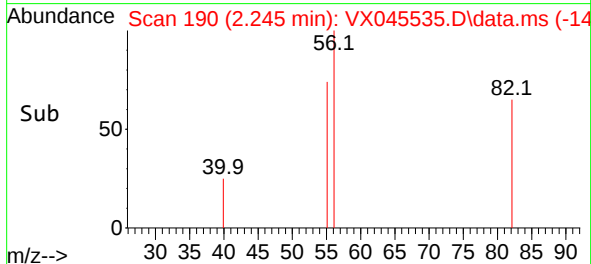
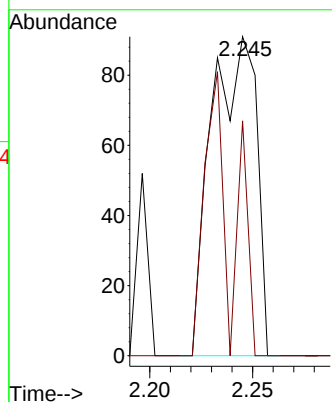
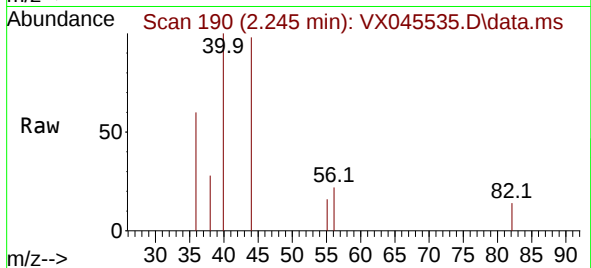




#13
Acrolein
Concen: 0.609 ug/l
RT: 2.245 min Scan# 119
Delta R.T. 0.006 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

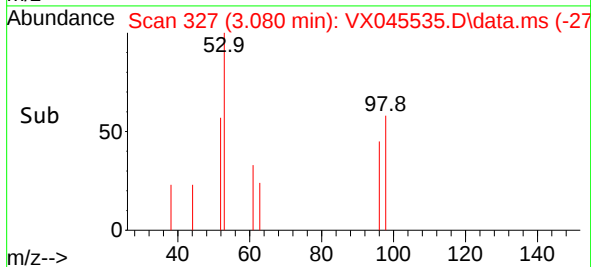
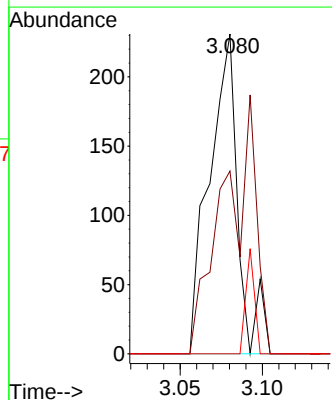
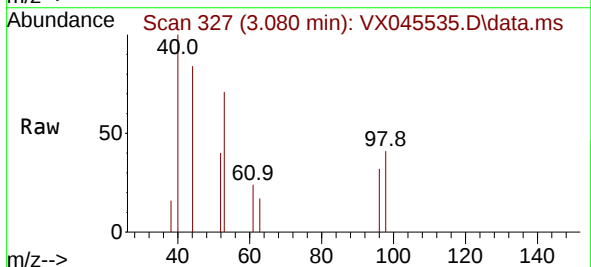
Instrument :
MSVOA_X
ClientSampleId :
VX0402MBL01

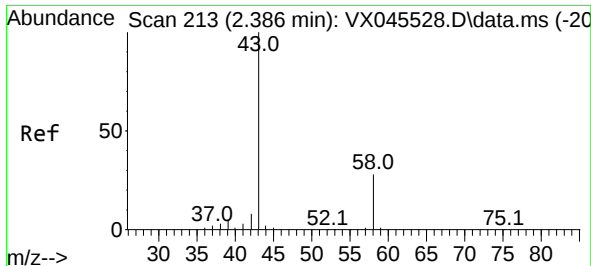
Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 53.6 56.2 84.2#



#15
Acrylonitrile
Concen: 0.539 ug/l
RT: 3.080 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Tgt Ion: 53 Resp: 280
Ion Ratio Lower Upper
53 100
52 89.3 67.4 101.2
51 10.0 29.9 44.9#

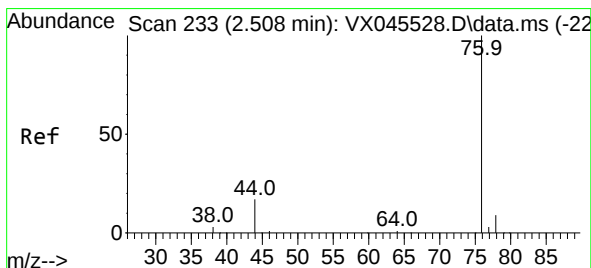
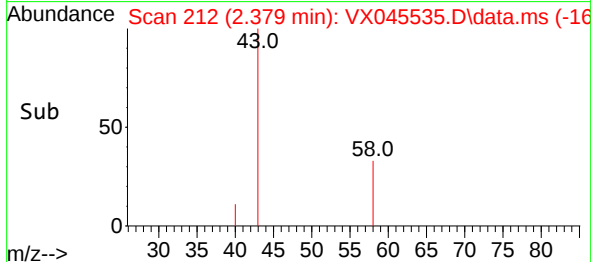
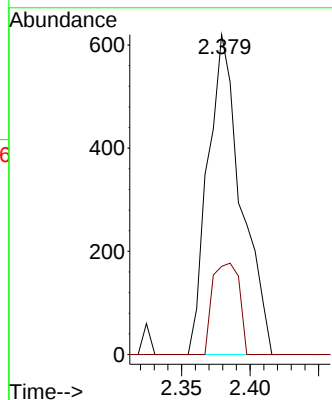
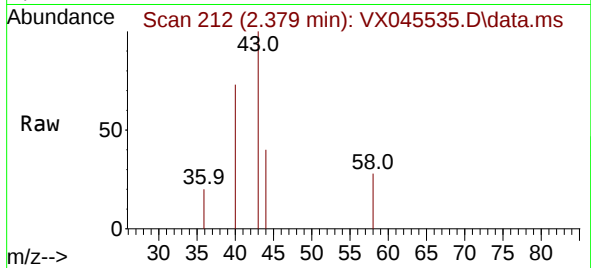




#16
Acetone
Concen: 2.086 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

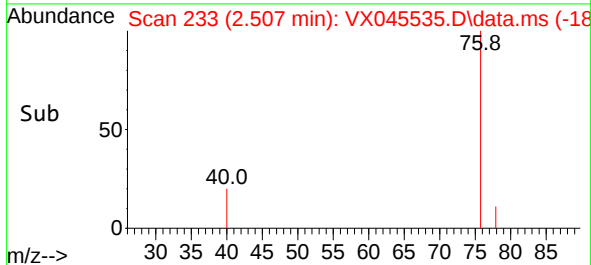
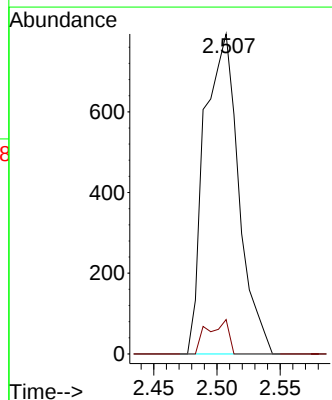
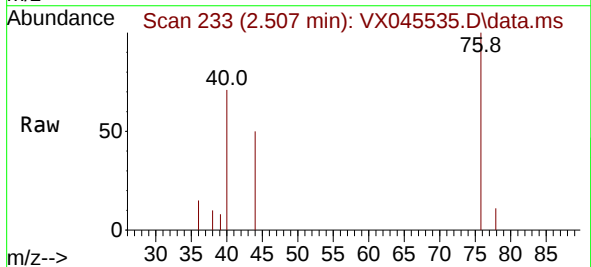
Instrument :
MSVOA_X
ClientSampleId :
VX0402MBL01

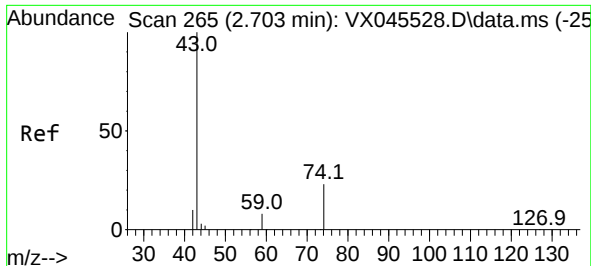
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 27.6 22.3 33.5



#17
Carbon Disulfide
Concen: 0.753 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Tgt Ion: 76 Resp: 1494
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.6#

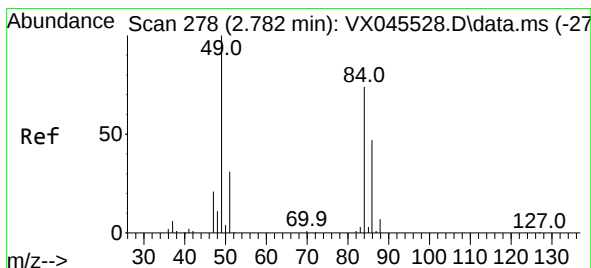
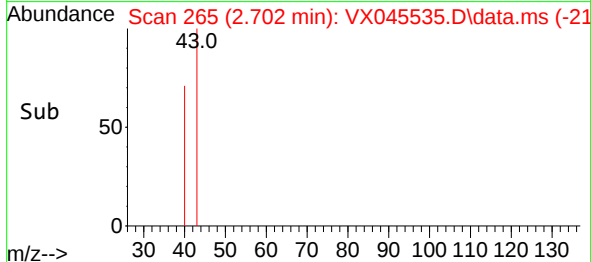
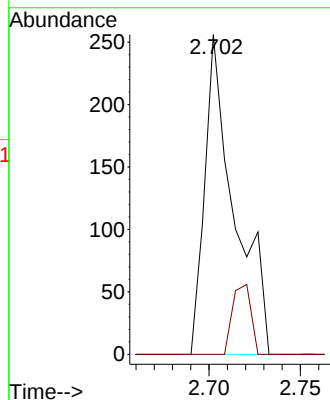
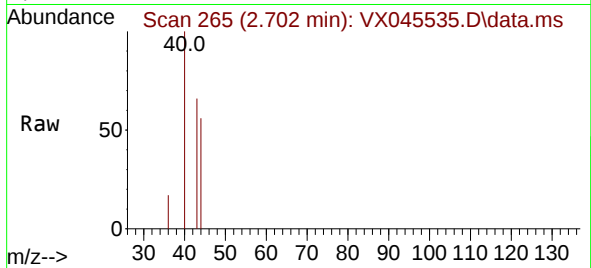




#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 2.702 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

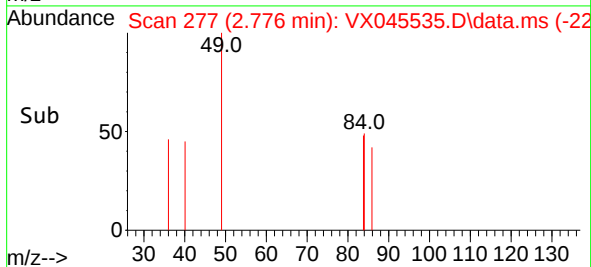
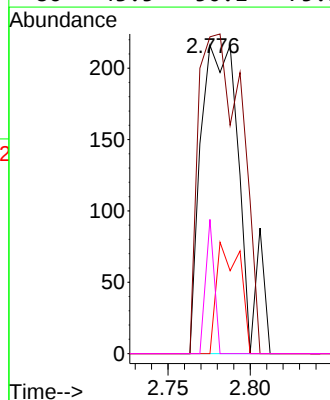
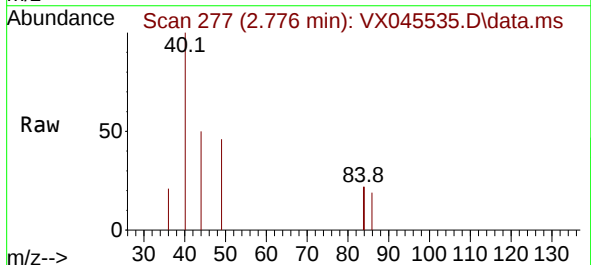
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ClientSampleId :
VX0402MBL01

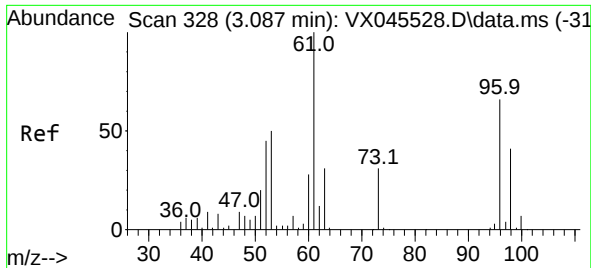
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
74 13.5 17.5 26.3#



#20
Methylene Chloride
Concen: 0.385 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Tgt Ion: 84 Resp: 362
Ion Ratio Lower Upper
84 100
49 102.8 107.5 161.3#
51 0.0 33.0 49.6#
86 43.5 50.1 75.1#

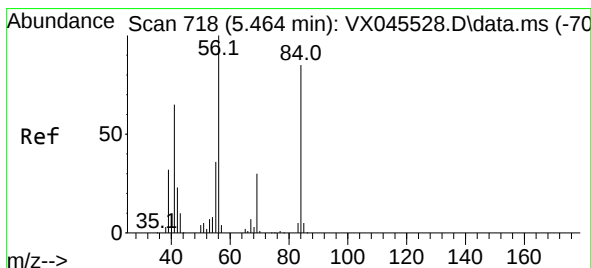
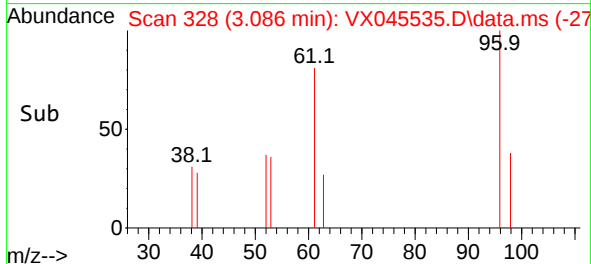
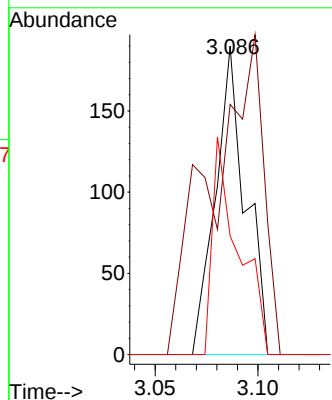
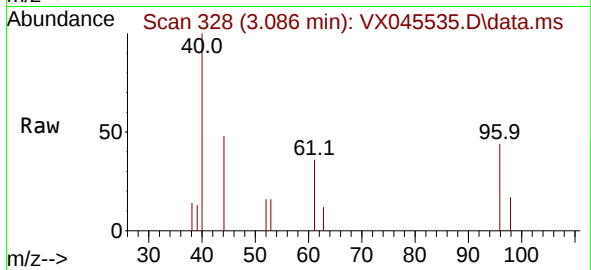




#21
trans-1,2-Dichloroethene
Concen: 0.235 ug/l
RT: 3.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

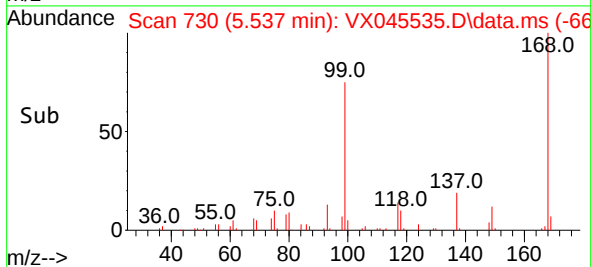
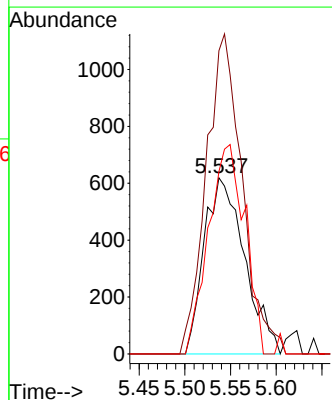
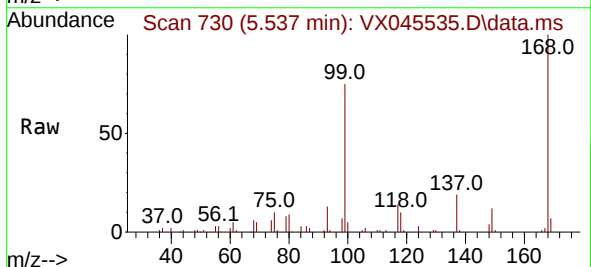
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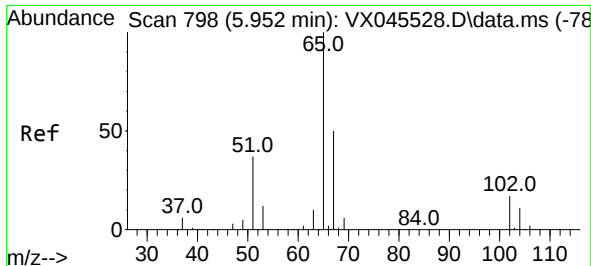
Tgt Ion: 96 Resp: 193
Ion Ratio Lower Upper
96 100
61 81.1 121.0 181.6#
98 38.4 49.7 74.5#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Tgt Ion: 56 Resp: 1905
Ion Ratio Lower Upper
56 100
69 172.2 23.6 35.4#
84 103.6 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 52.230 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

Instrument :

MSVOA_X

ClientSampleId :

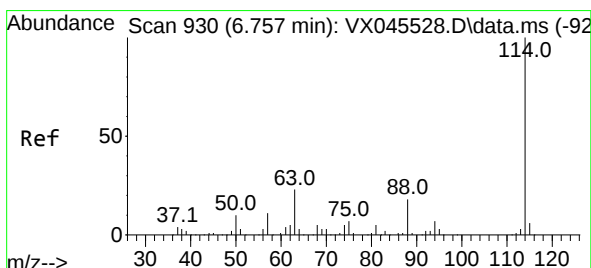
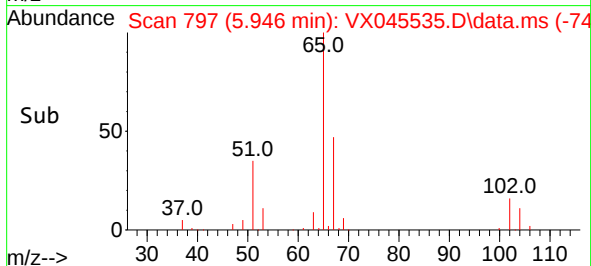
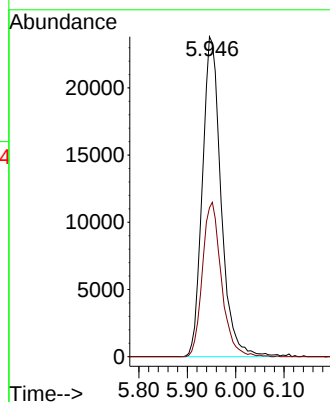
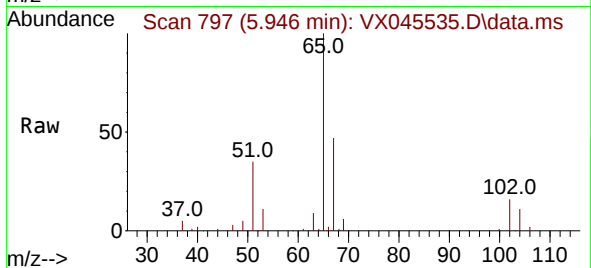
VX0402MBL01

Tgt Ion: 65 Resp: 63952

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

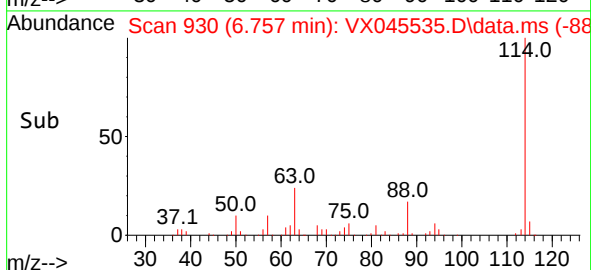
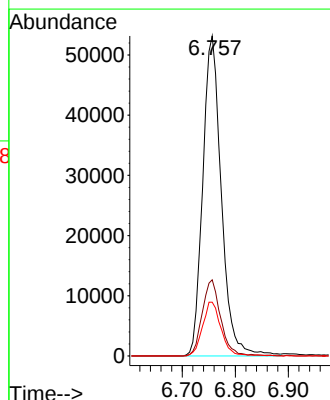
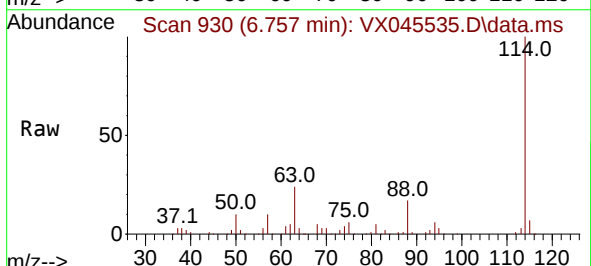
Tgt Ion: 114 Resp: 129348

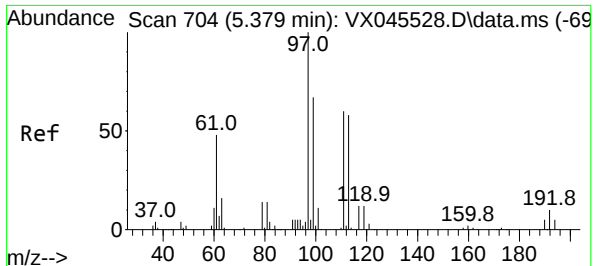
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.8

88 16.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.568 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045535.D

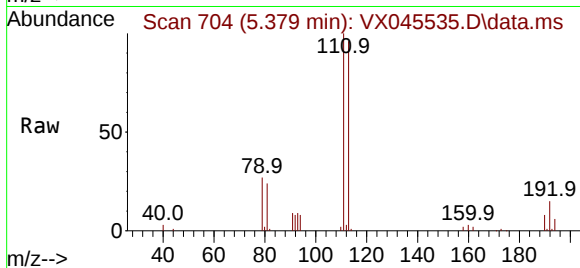
Acq: 02 Apr 2025 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0402MBL01



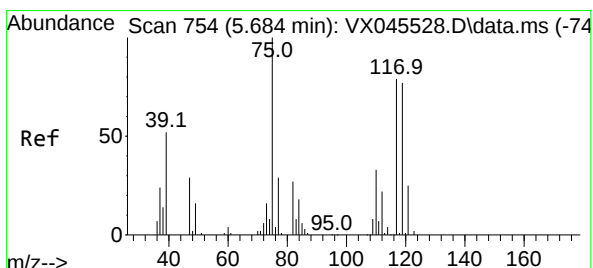
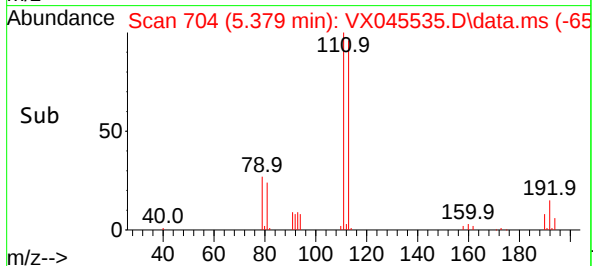
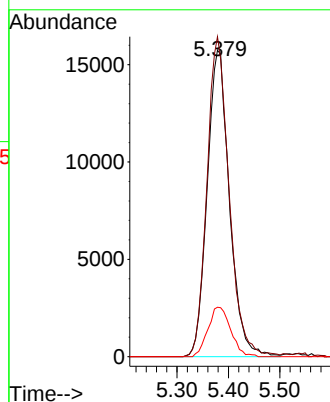
Tgt Ion:113 Resp: 47325

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

192 16.5 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.352 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.147 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

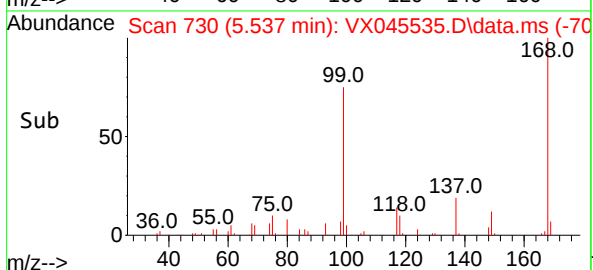
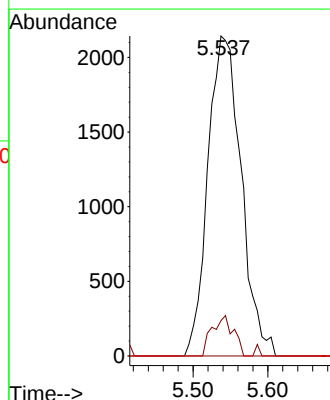
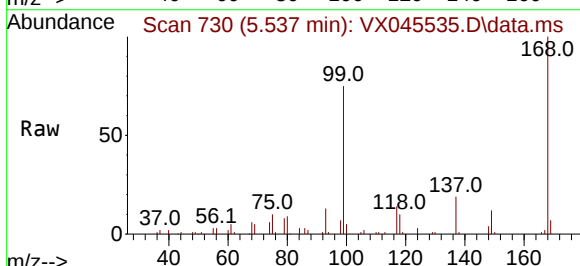
Tgt Ion: 75 Resp: 6632

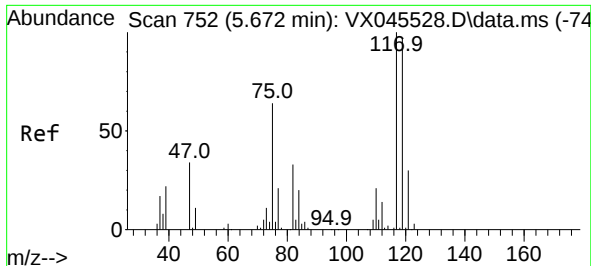
Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.6#

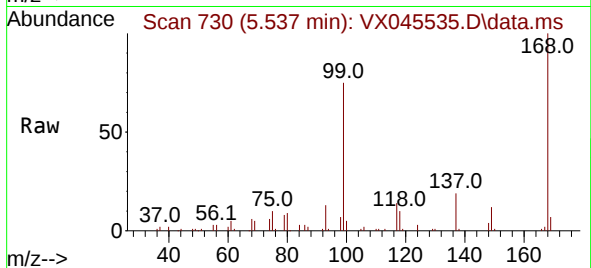
77 0.0 25.0 37.4#



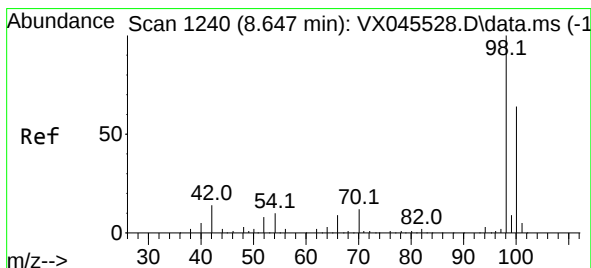
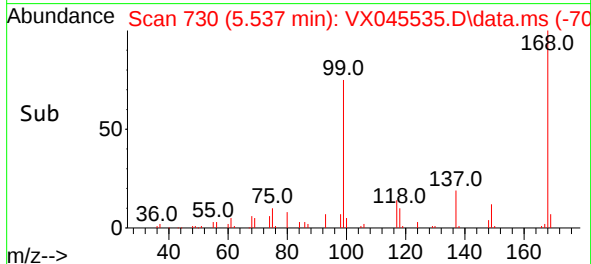
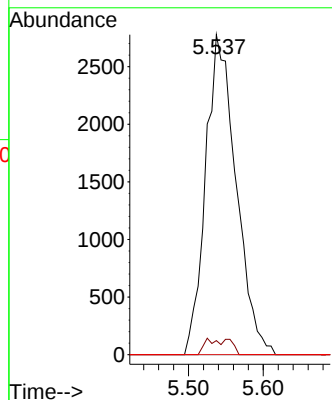


#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0402MBL01

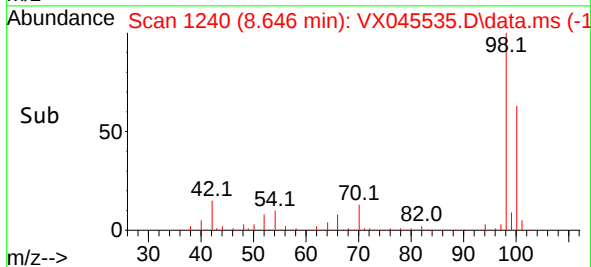
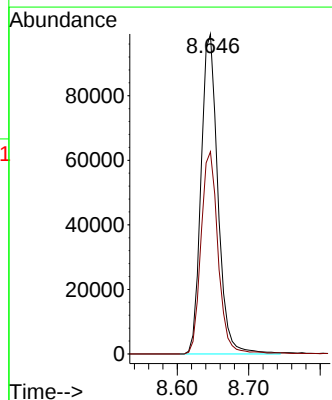
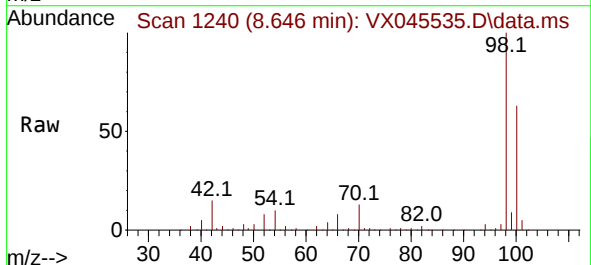


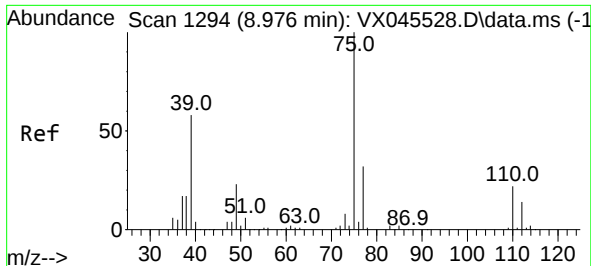
Tgt Ion:117 Resp: 7884
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.575 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Tgt Ion: 98 Resp: 162002
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

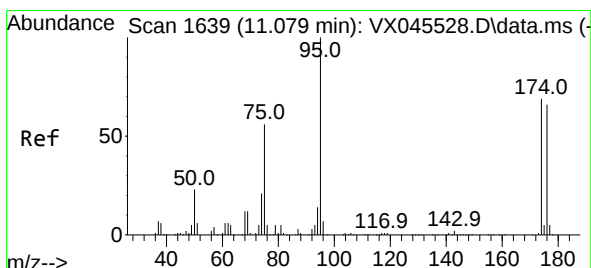
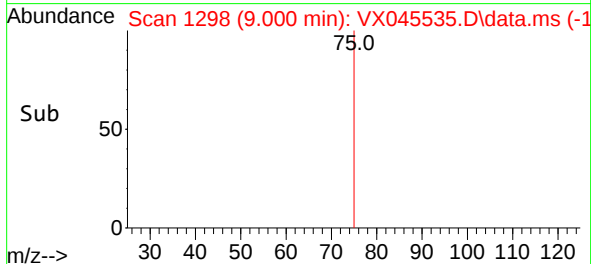
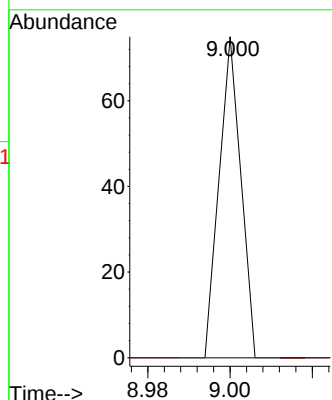
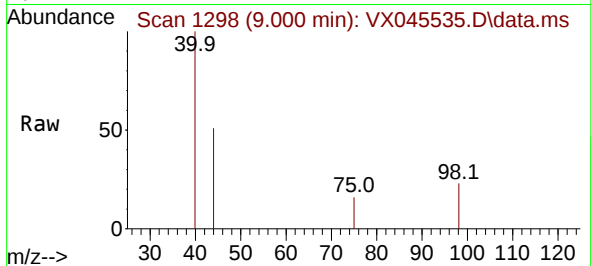




#53
t-1,3-Dichloropropene
Concen: 2.308 ug/l
RT: 9.000 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

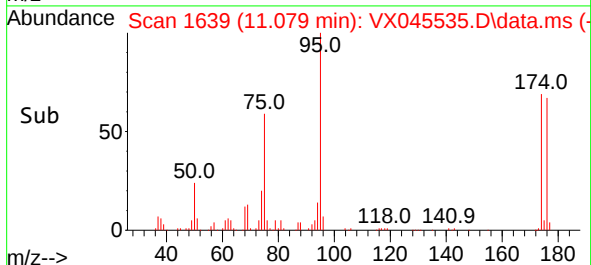
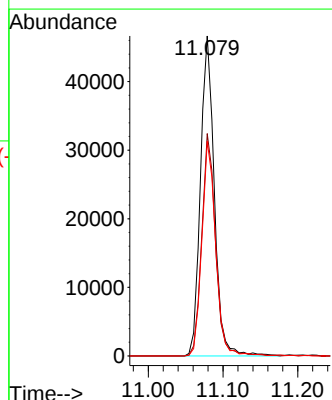
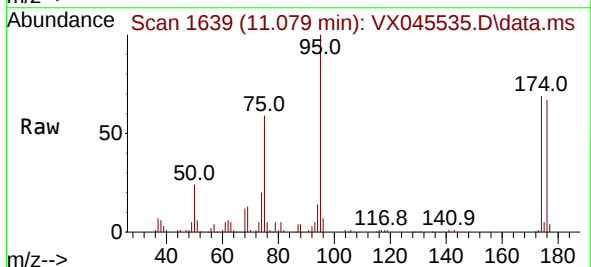
Instrument :
MSVOA_X
ClientSampleId :
VX0402MBL01

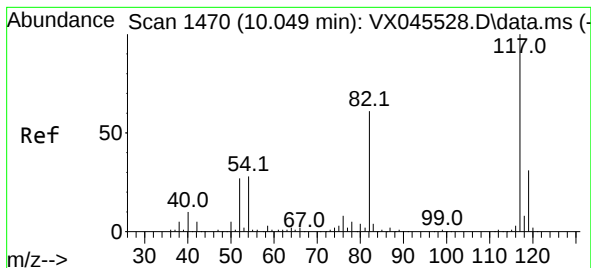
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 51.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

Tgt Ion: 95 Resp: 60256
Ion Ratio Lower Upper
95 100
174 68.8 0.0 135.8
176 66.7 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0402MBL01

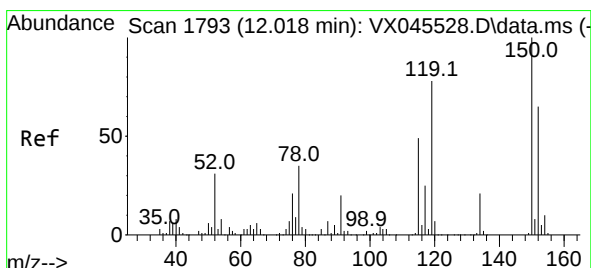
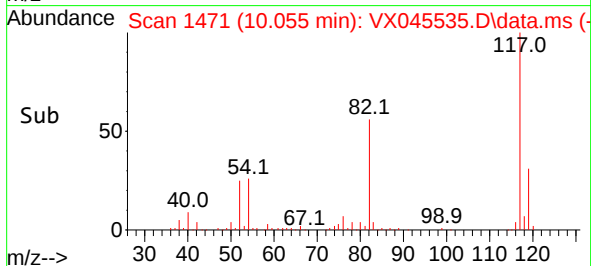
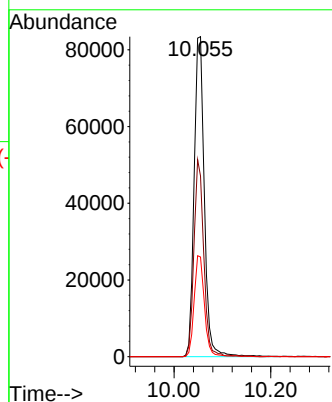
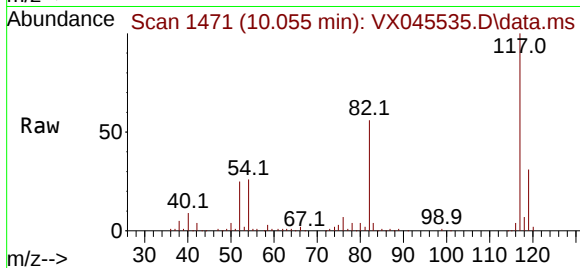
Tgt Ion:117 Resp: 122427

Ion Ratio Lower Upper

117 100

82 56.4 49.2 73.8

119 31.1 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

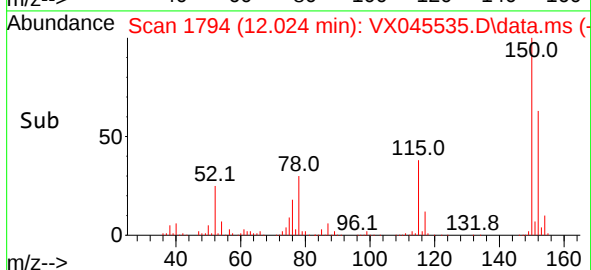
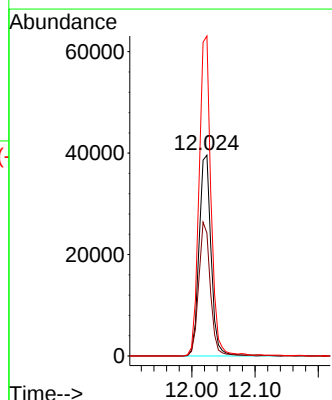
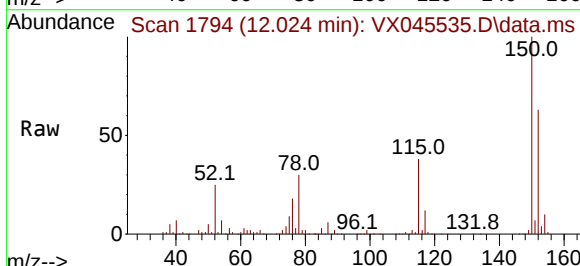
Tgt Ion:152 Resp: 52544

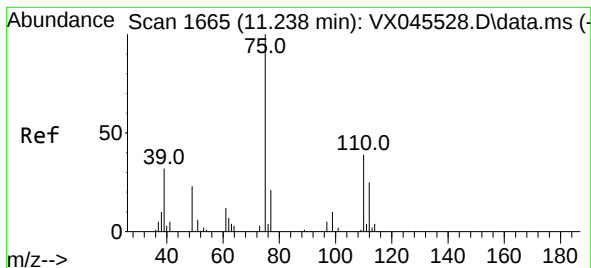
Ion Ratio Lower Upper

152 100

115 64.5 46.9 140.7

150 157.5 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 27.034 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

Instrument :

MSVOA_X

ClientSampleId :

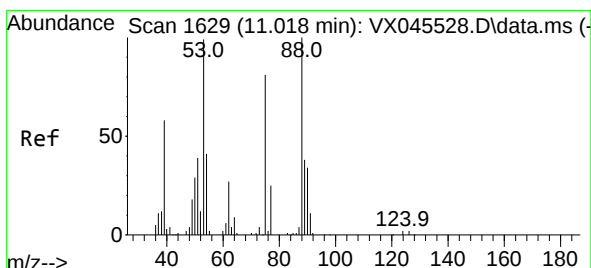
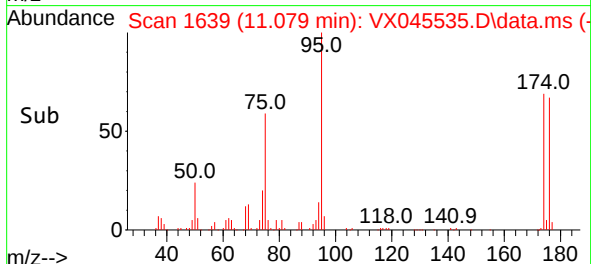
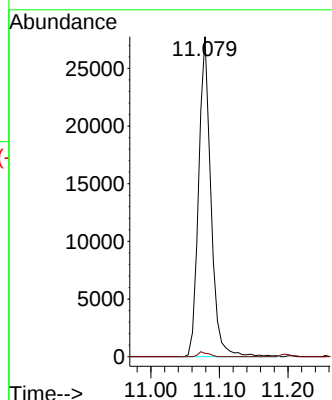
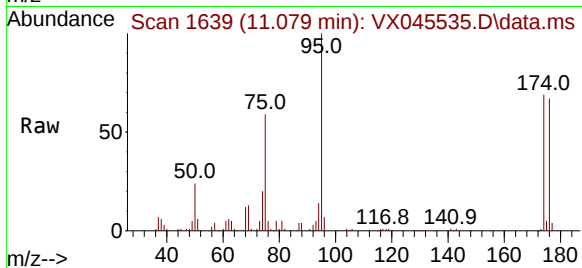
VX0402MBL01

Tgt Ion: 75 Resp: 34649

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.751 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

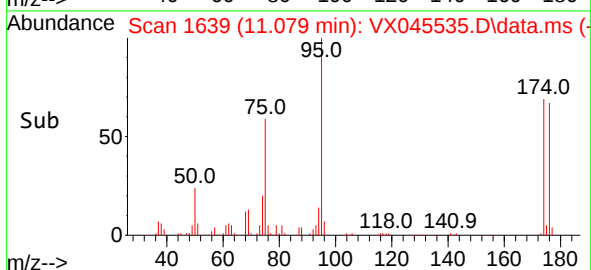
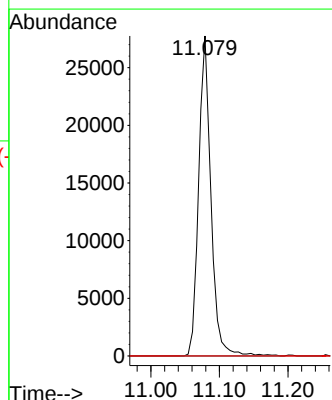
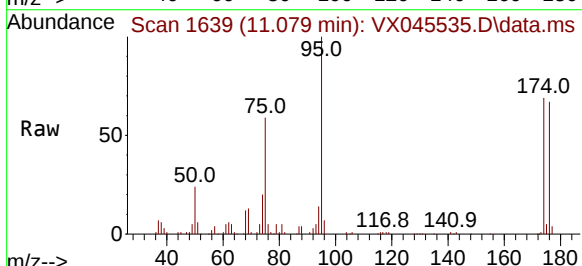
Tgt Ion: 75 Resp: 34649

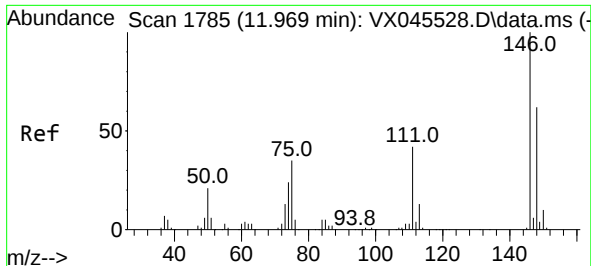
Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#





#87

1,3-Dichlorobenzene

Concen: 0.231 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0402MBL01

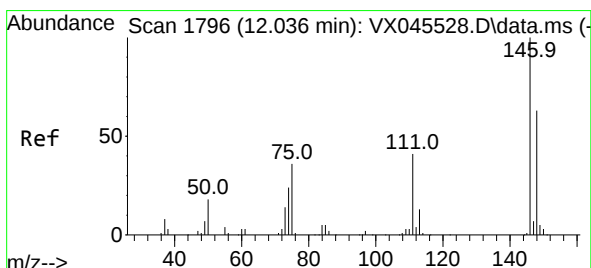
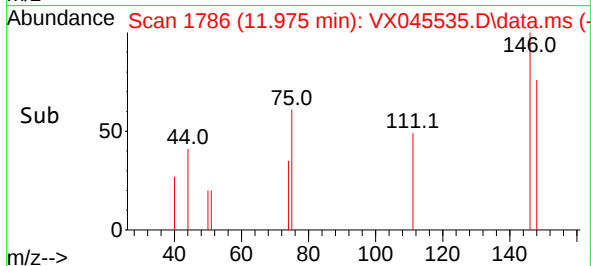
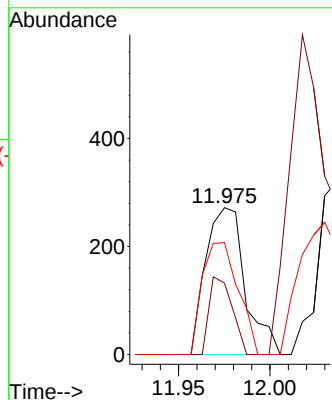
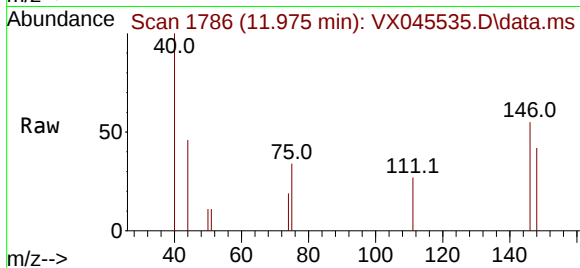
Tgt Ion:146 Resp: 409

Ion Ratio Lower Upper

146 100

111 30.8 22.2 66.6

148 69.2 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.228 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

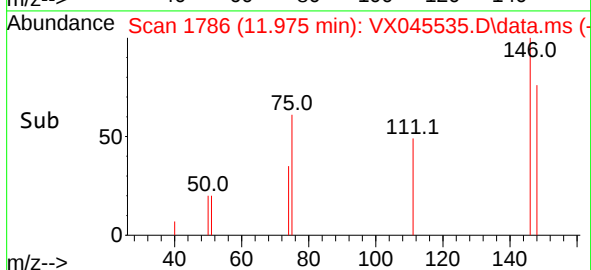
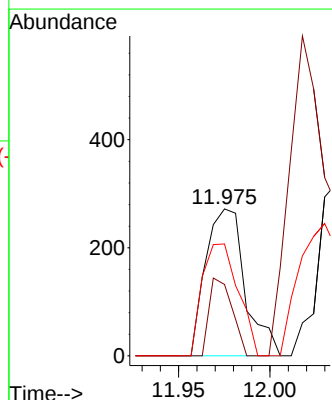
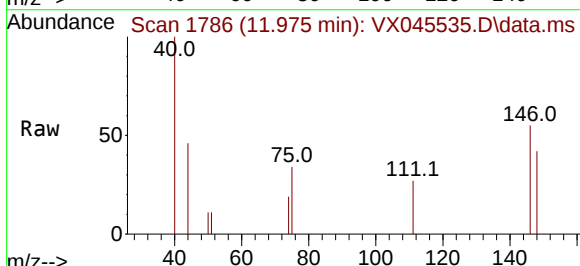
Tgt Ion:146 Resp: 409

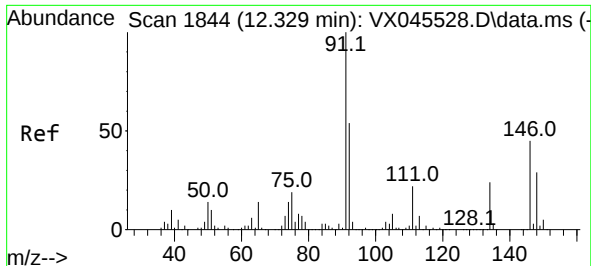
Ion Ratio Lower Upper

146 100

111 30.8 20.9 62.8

148 69.2 31.5 94.5





#89

n-Butylbenzene

Concen: 0.207 ug/l

RT: 12.347 min Scan# 1847

Delta R.T. 0.018 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0402MBL01

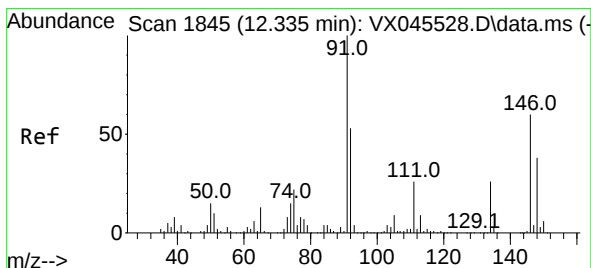
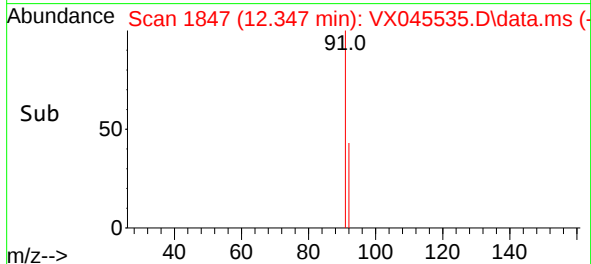
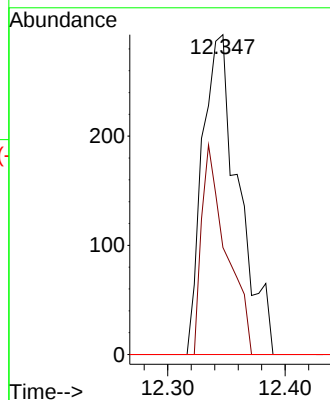
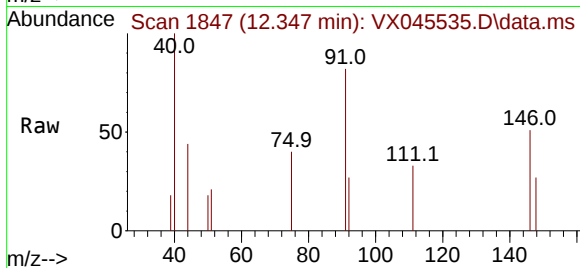
Tgt Ion: 91 Resp: 625

Ion Ratio Lower Upper

91 100

92 45.1 26.9 80.6

134 0.0 11.9 35.7#



#91

1,2-Dichlorobenzene

Concen: 0.206 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX045535.D

Acq: 02 Apr 2025 10:30

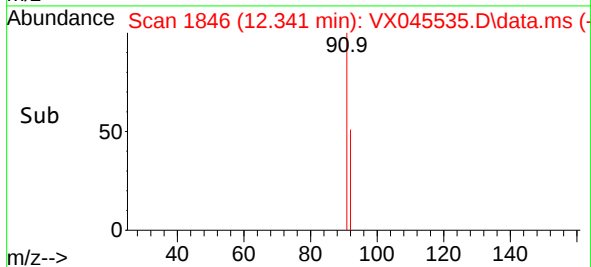
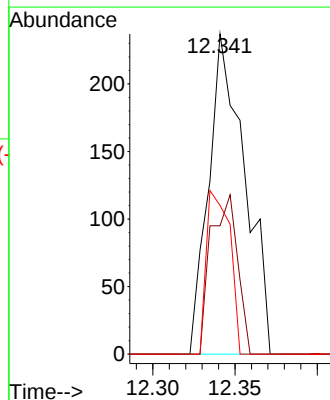
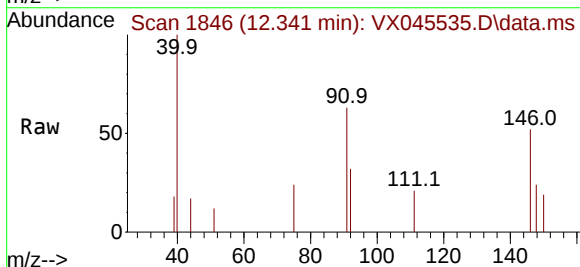
Tgt Ion:146 Resp: 362

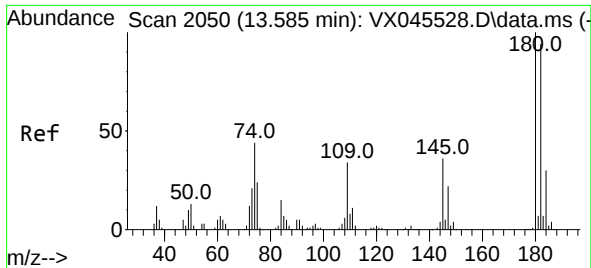
Ion Ratio Lower Upper

146 100

111 36.7 22.9 68.8

148 33.1 31.9 95.5

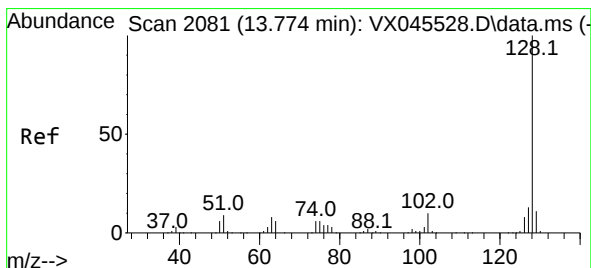
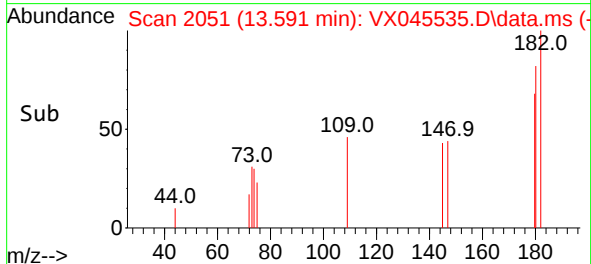
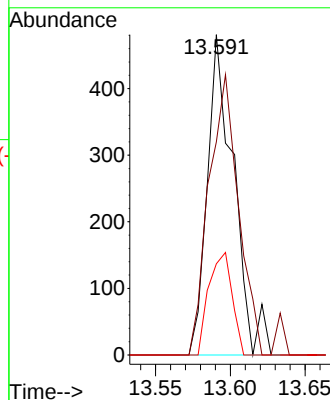
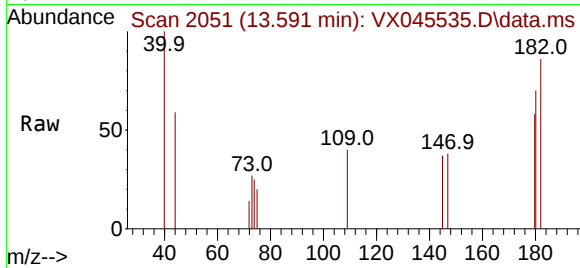




#93
1,2,4-Trichlorobenzene
Concen: 0.600 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

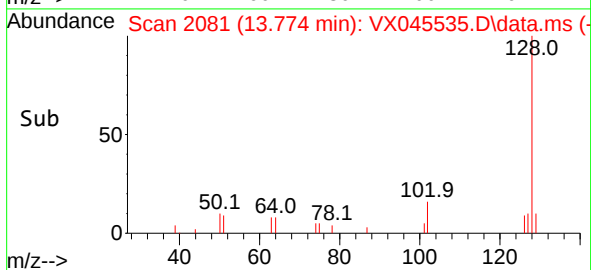
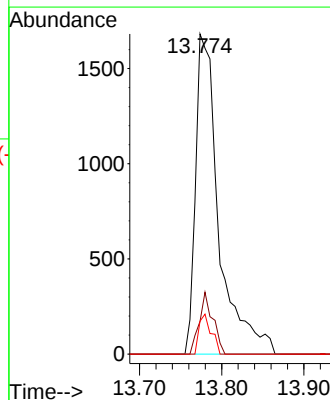
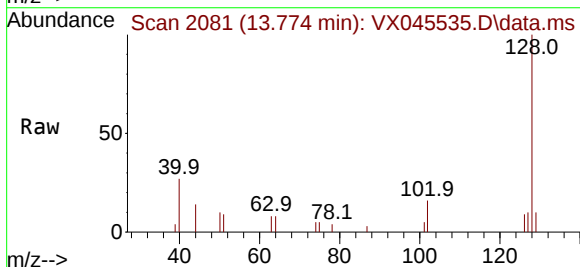
Instrument :
MSVOA_X
ClientSampleId :
VX0402MBL01

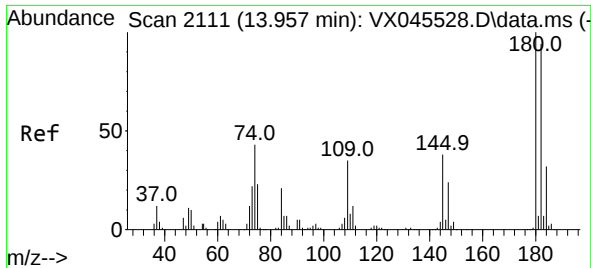
Tgt Ion:180 Resp: 588
Ion Ratio Lower Upper
180 100
182 98.5 47.9 143.6
145 28.2 17.9 53.8



#95
Naphthalene
Concen: 0.908 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045535.D
Acq: 02 Apr 2025 10:30

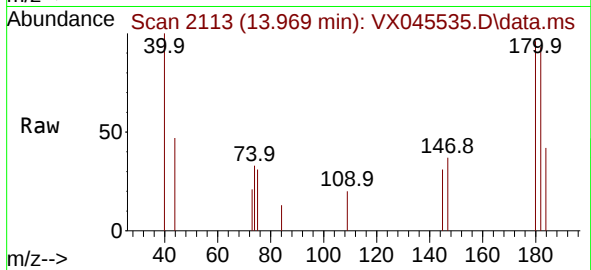
Tgt Ion:128 Resp: 3310
Ion Ratio Lower Upper
128 100
127 11.3 10.3 15.5
129 6.6 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.644 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX045535.D
 Acq: 02 Apr 2025 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402MBL01



Tgt Ion:	180	Resp:	661
Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.8
145	29.5	18.2	54.6

