

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046201.D
 Acq On : 15 May 2025 10:15
 Operator : JC/MD
 Sample : VX0515MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:01:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

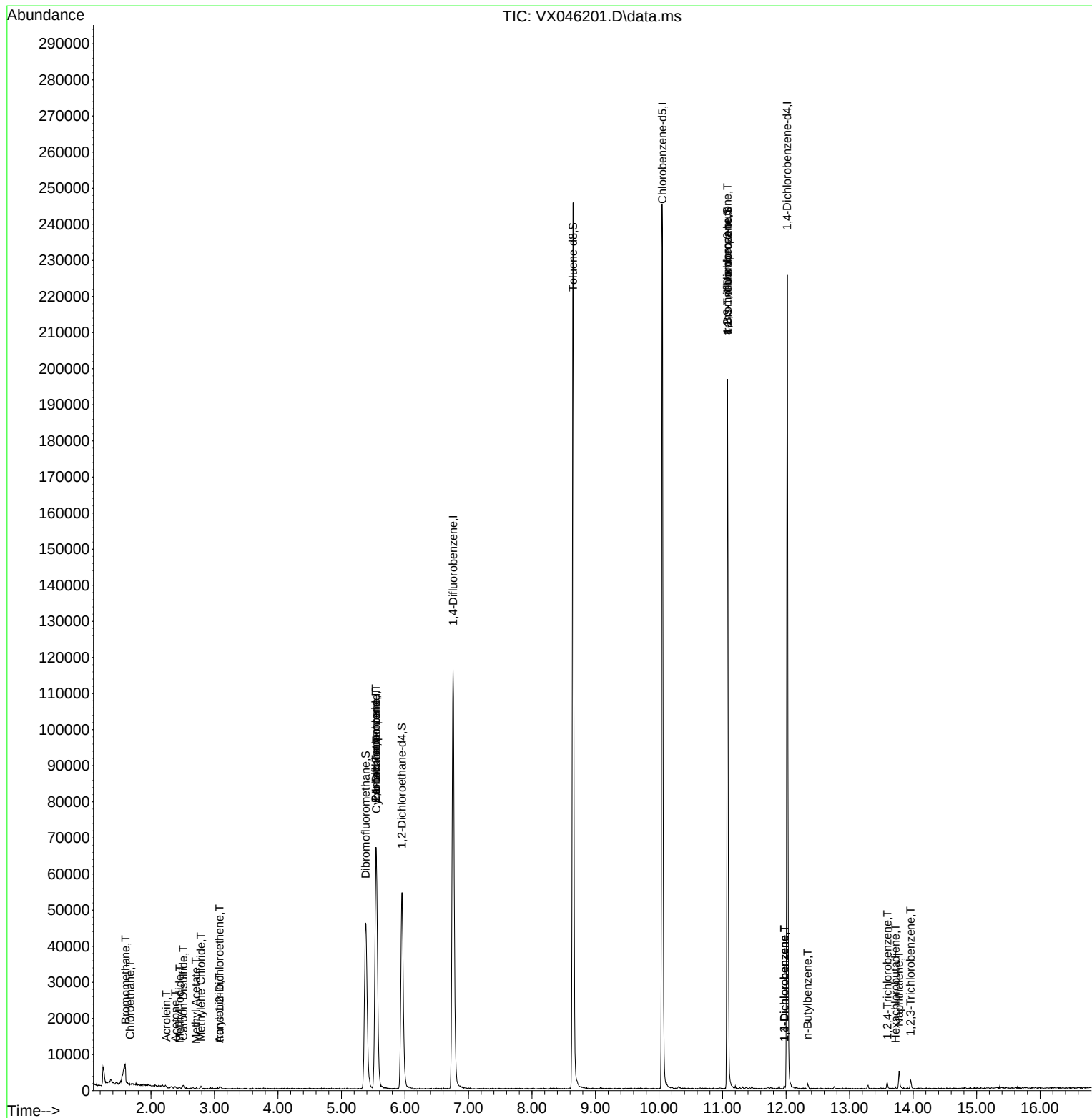
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	56169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	111393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	102679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	41784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56067	53.541	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.080%	
35) Dibromofluoromethane	5.379	113	40653	50.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.360%	
50) Toluene-d8	8.647	98	138035	49.718	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	11.079	95	52384	49.189	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.380%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	168	0.467	ug/l #	80
6) Chloroethane	1.672	64	90	0.217	ug/l #	44
10) Methyl Iodide	2.453	142	227	0.270	ug/l #	58
13) Acrolein	2.239	56	191	1.141	ug/l #	72
15) Acrylonitrile	3.075	53	262	0.623	ug/l #	78
16) Acetone	2.386	43	406	0.967	ug/l #	48
17) Carbon Disulfide	2.508	76	1100	0.697	ug/l #	76
18) Methyl Acetate	2.709	43	249	0.256	ug/l #	55
20) Methylene Chloride	2.788	84	328	0.408	ug/l	90
21) trans-1,2-Dichloroethene	3.081	96	167	0.249	ug/l #	59
31) Cyclohexane	5.550	56	1660	1.330	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	5522	5.124	ug/l #	52
38) Carbon Tetrachloride	5.544	117	6960	5.747	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	30432	30.258	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30432	98.509	ug/l #	1
87) 1,3-Dichlorobenzene	11.975	146	360	0.261	ug/l	92
88) 1,4-Dichlorobenzene	11.975	146	360	0.256	ug/l	92
89) n-Butylbenzene	12.341	91	514	0.211	ug/l #	88
93) 1,2,4-Trichlorobenzene	13.597	180	611	0.769	ug/l	93
94) Hexachlorobutadiene	13.725	225	86	0.248	ug/l #	37
95) Naphthalene	13.780	128	3896	1.337	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	751	0.916	ug/l	93

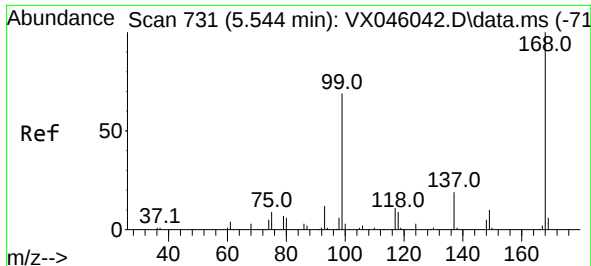
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046201.D
Acq On : 15 May 2025 10:15
Operator : JC/MD
Sample : VX0515MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 16 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

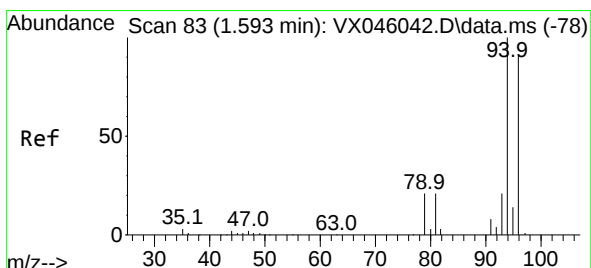
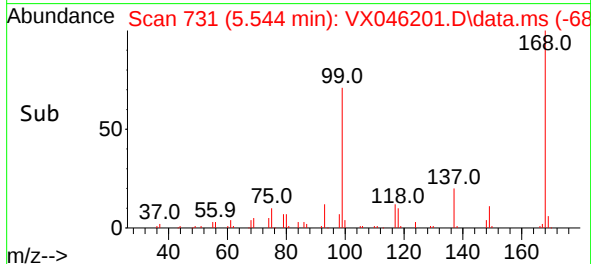
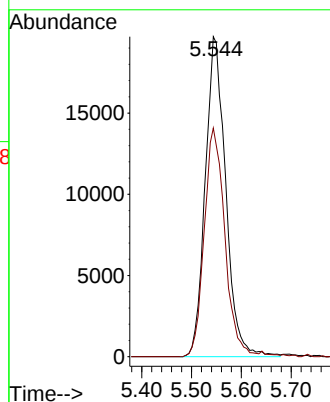
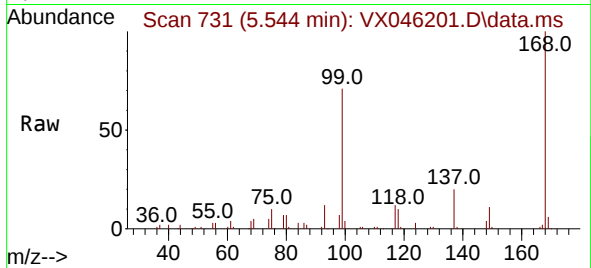




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

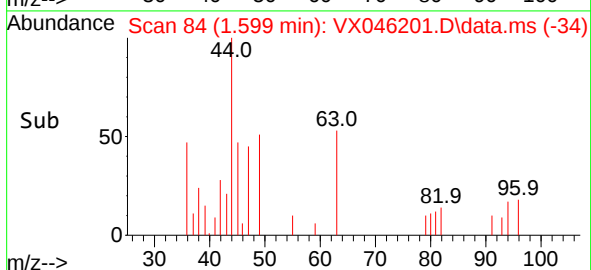
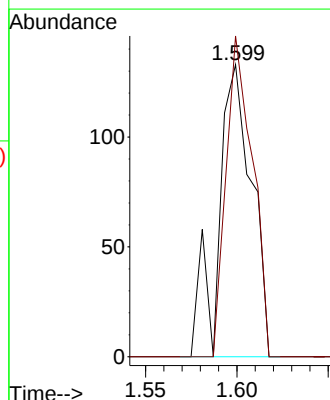
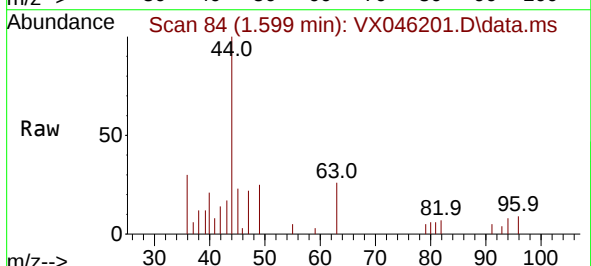
Instrument :
MSVOA_X
ClientSampleId :

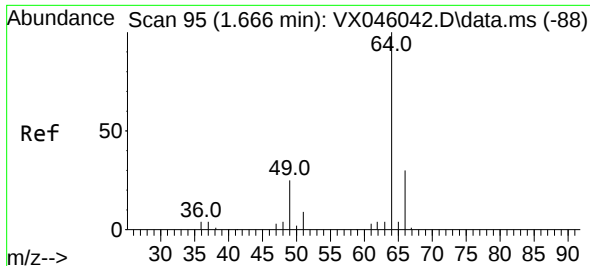
Tgt Ion:168 Resp: 56169
Ion Ratio Lower Upper
168 100
99 71.5 54.9 82.3



#5
Bromomethane
Concen: 0.467 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

Tgt Ion: 94 Resp: 168
Ion Ratio Lower Upper
94 100
96 109.8 72.8 109.2#

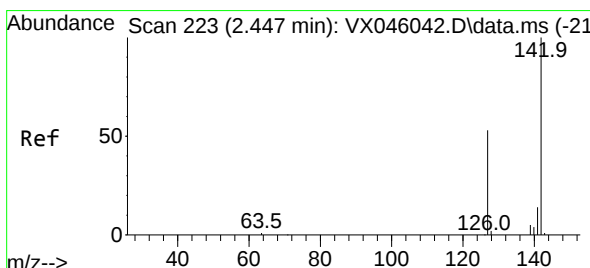
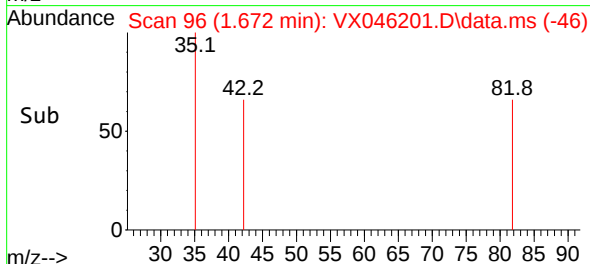
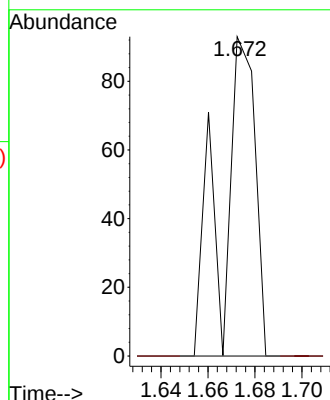
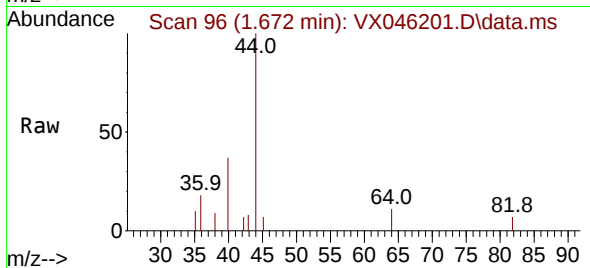




#6
Chloroethane
Concen: 0.217 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

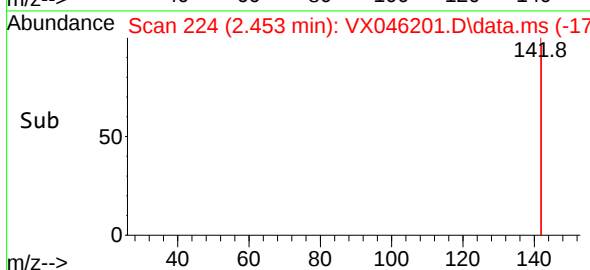
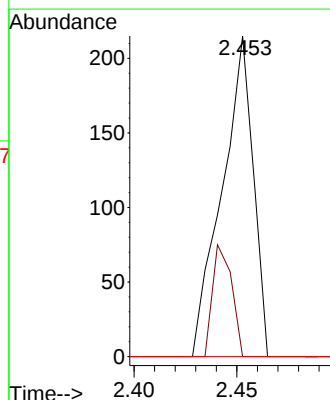
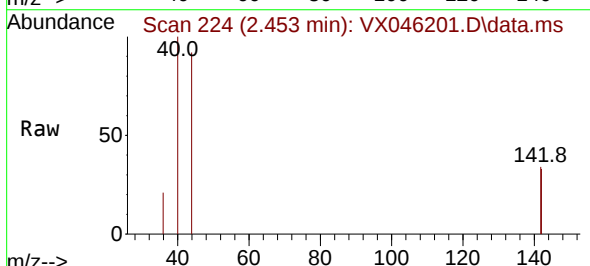
Instrument :
MSVOA_X
ClientSampleId :

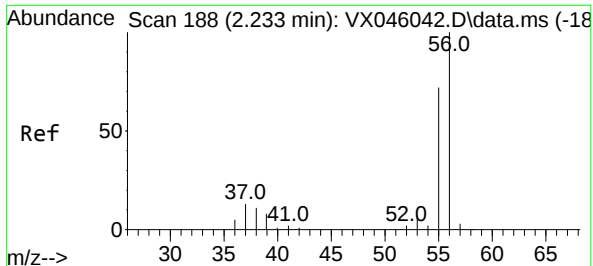
Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#10
Methyl Iodide
Concen: 0.270 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

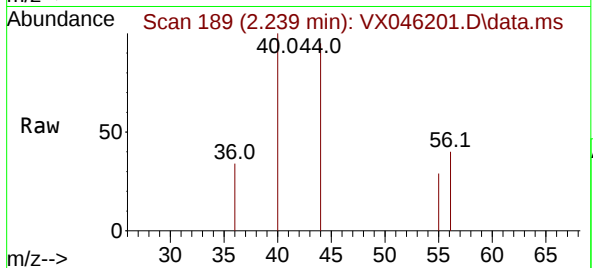
Tgt Ion: 142 Resp: 227
Ion Ratio Lower Upper
142 100
127 21.1 41.7 62.5#
141 0.0 11.5 17.3#



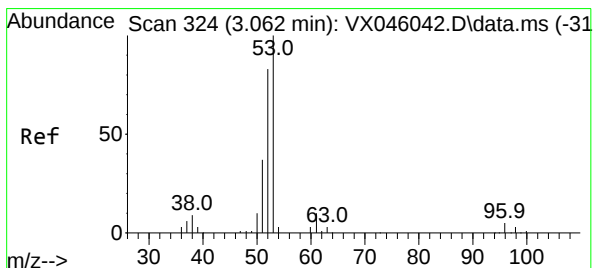
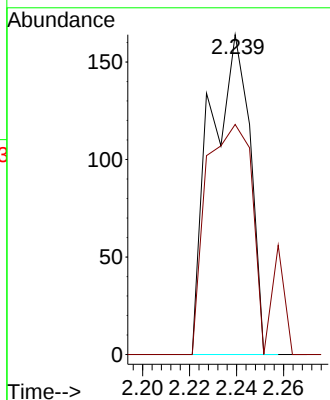
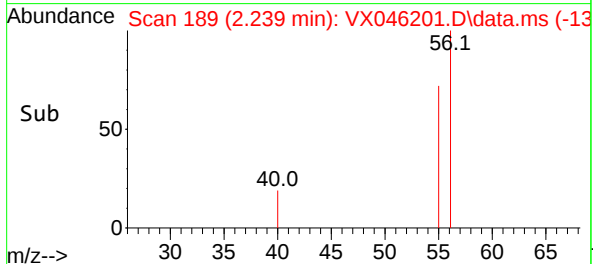


#13
Acrolein
Concen: 1.141 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

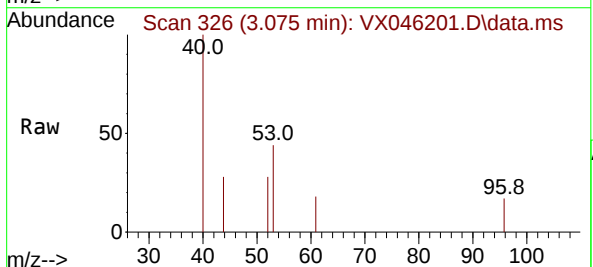
Instrument :
MSVOA_X
ClientSampleId :



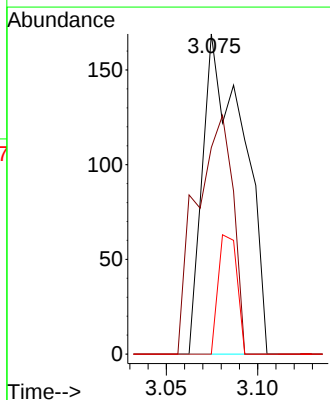
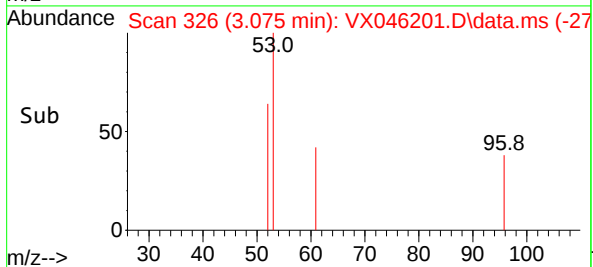
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 93.7 56.2 84.4#

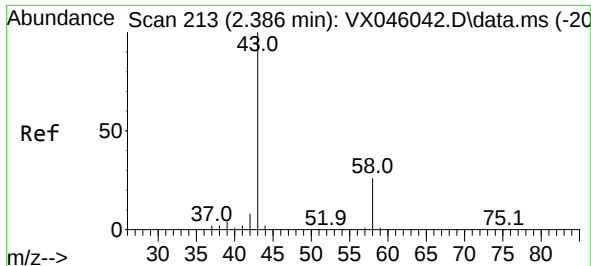


#15
Acrylonitrile
Concen: 0.623 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15



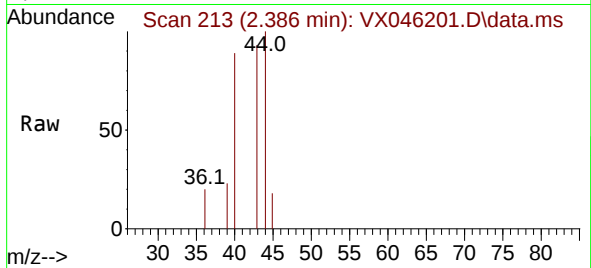
Tgt Ion: 53 Resp: 262
Ion Ratio Lower Upper
53 100
52 67.2 65.3 97.9
51 17.2 29.8 44.8#



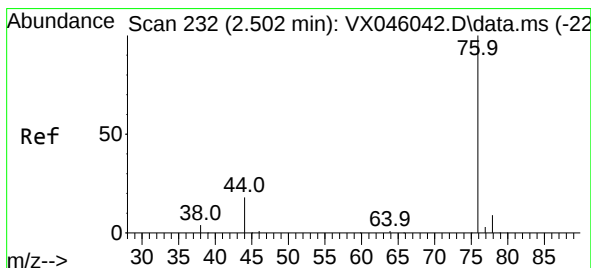
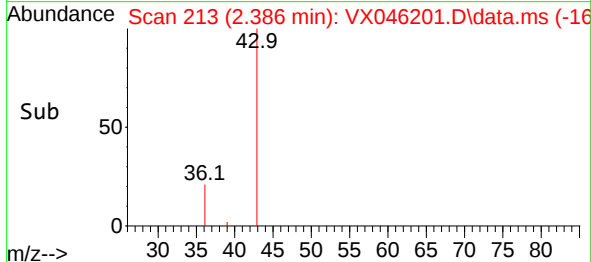
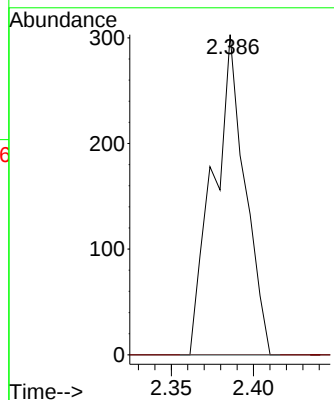


#16
Acetone
Concen: 0.967 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

Instrument :
MSVOA_X
ClientSampleId :

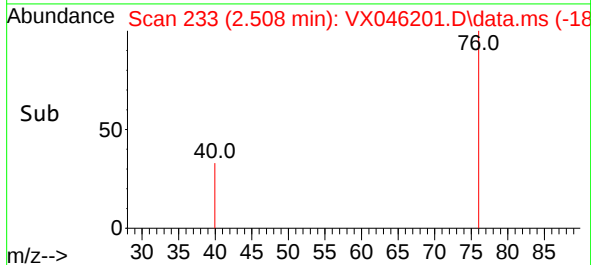
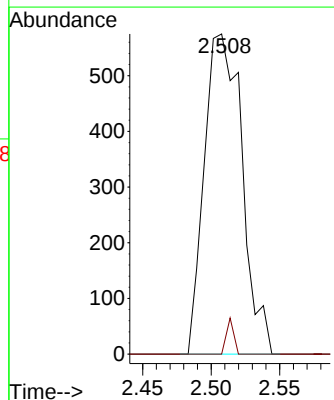
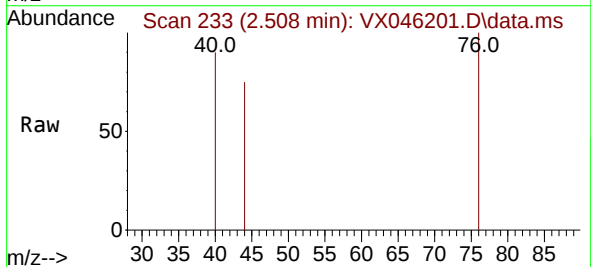


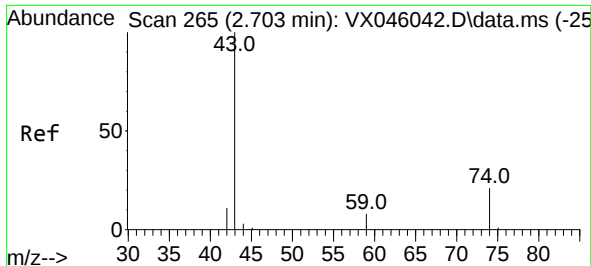
Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.697 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

Tgt Ion: 76 Resp: 1100
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

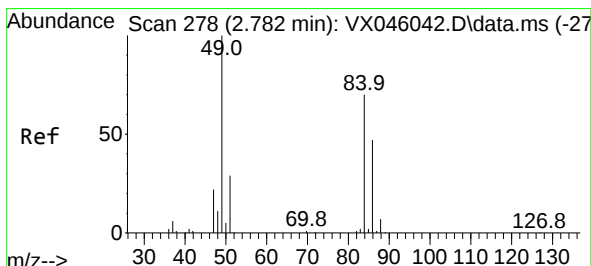
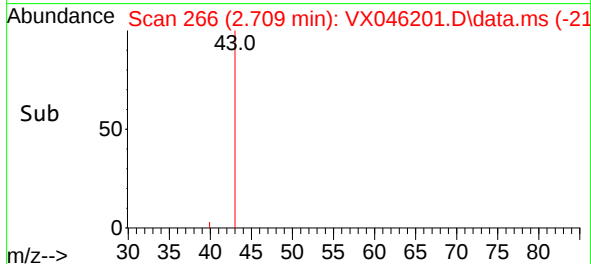
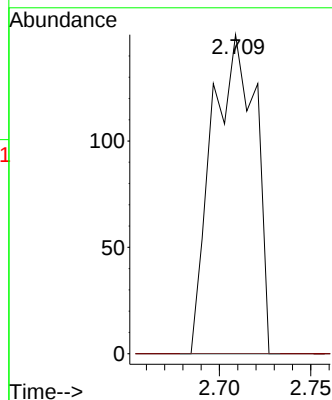
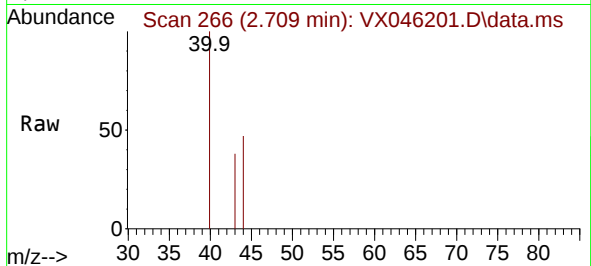




#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

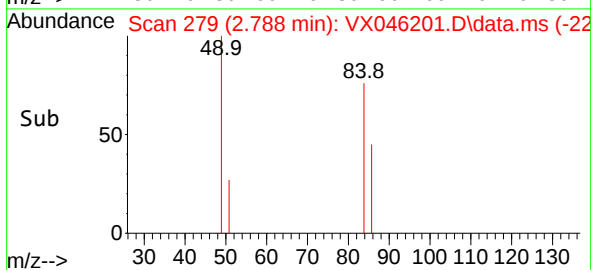
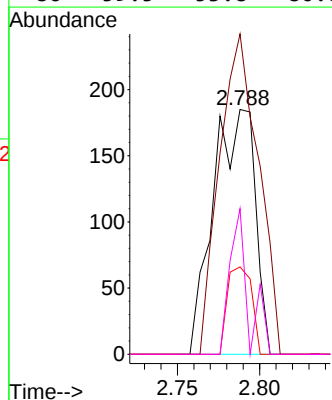
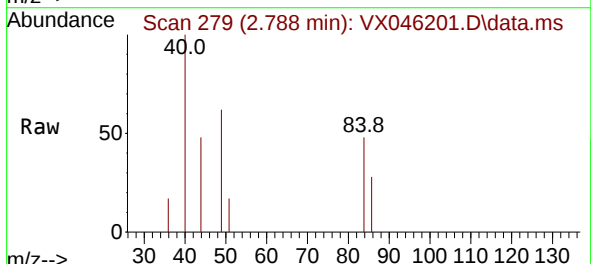
Instrument :
MSVOA_X
ClientSampleId :

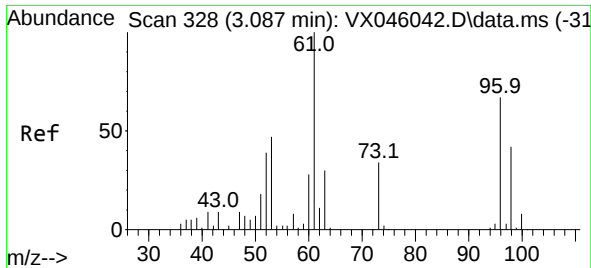
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.408 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

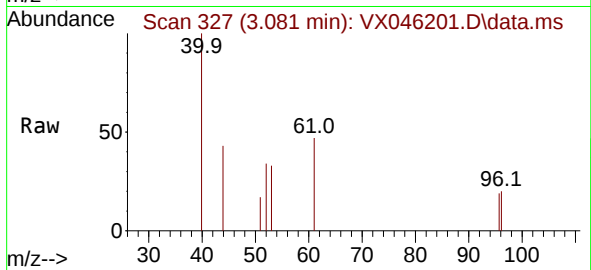
Tgt Ion: 84 Resp: 328
Ion Ratio Lower Upper
84 100
49 130.8 113.9 170.9
51 35.7 33.5 50.3
86 59.5 53.8 80.8



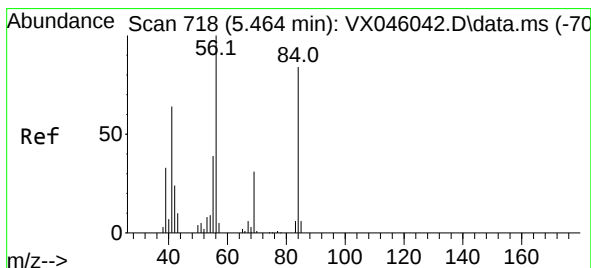
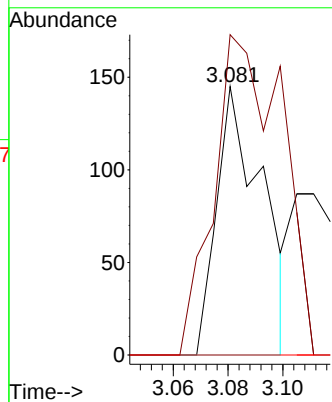
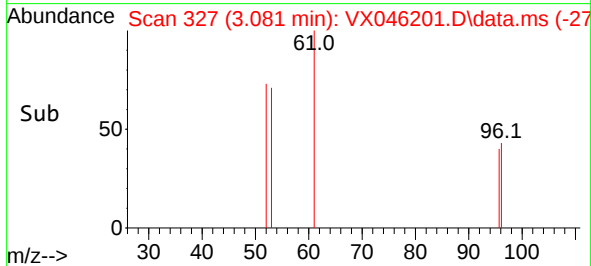


#21
trans-1,2-Dichloroethene
Concen: 0.249 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

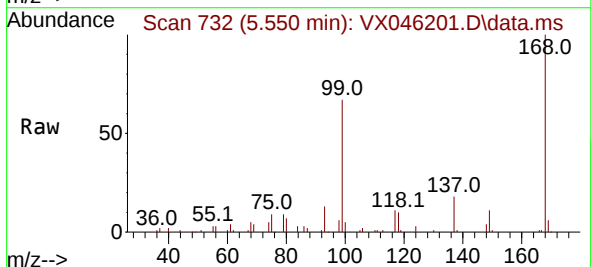
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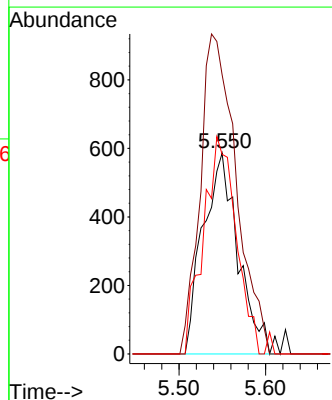
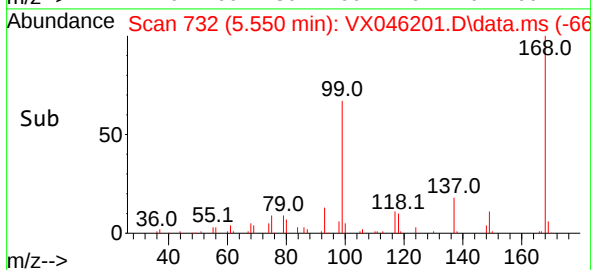
Tgt Ion: 96 Resp: 167
Ion Ratio Lower Upper
96 100
61 119.3 119.5 179.3#
98 0.0 50.0 75.0#

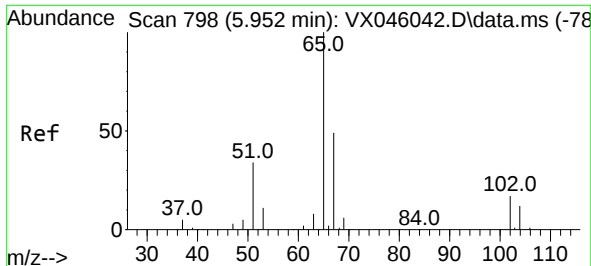


#31
Cyclohexane
Concen: 1.330 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15



Tgt Ion: 56 Resp: 1660
Ion Ratio Lower Upper
56 100
69 139.1 24.4 36.6#
84 99.5 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.541 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046201.D

Acq: 15 May 2025 10:15

Instrument :

MSVOA_X

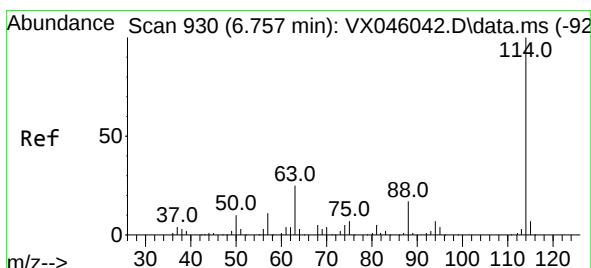
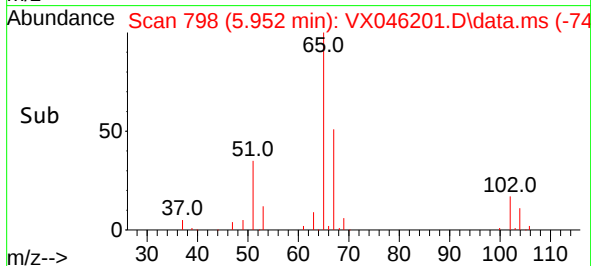
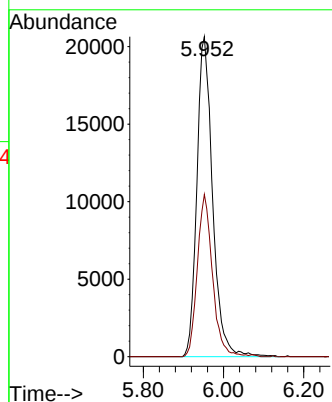
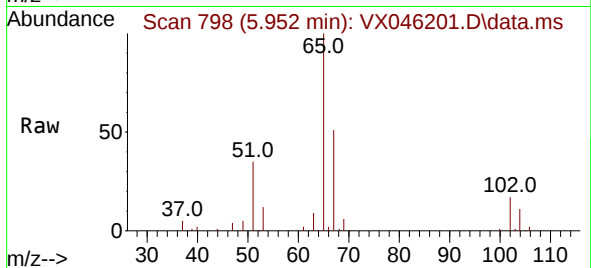
ClientSampleId :

Tgt Ion: 65 Resp: 56067

Ion Ratio Lower Upper

65 100

67 48.9 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: VX046201.D

Acq: 15 May 2025 10:15

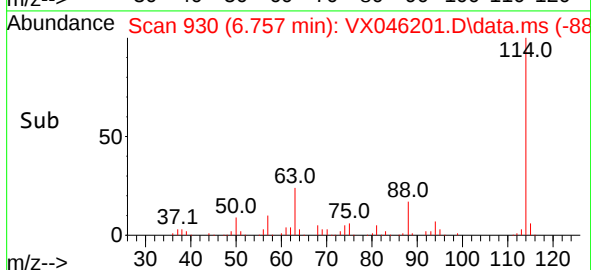
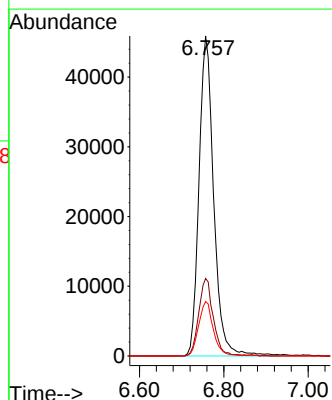
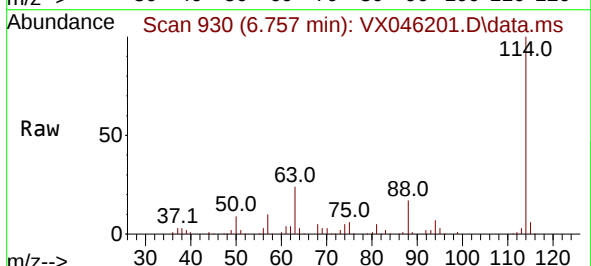
Tgt Ion: 114 Resp: 111393

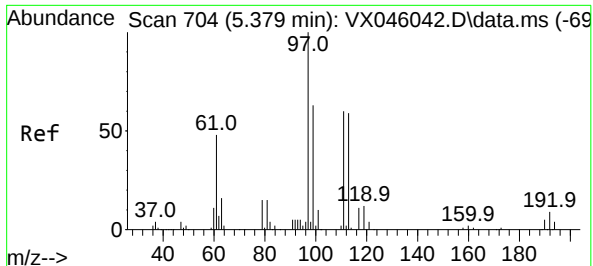
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

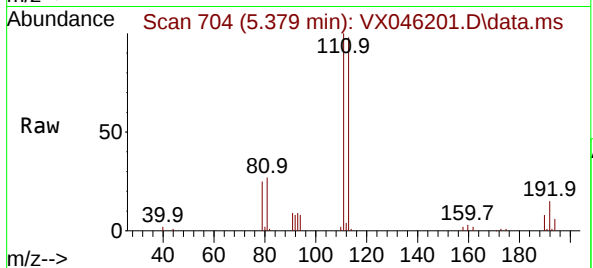
88 17.0 0.0 33.6



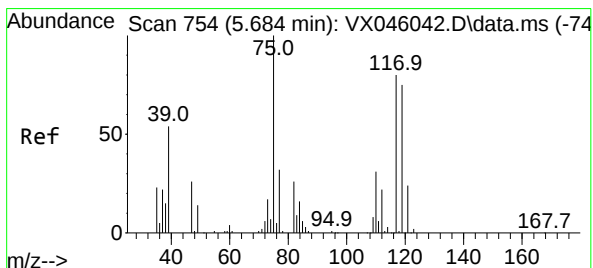
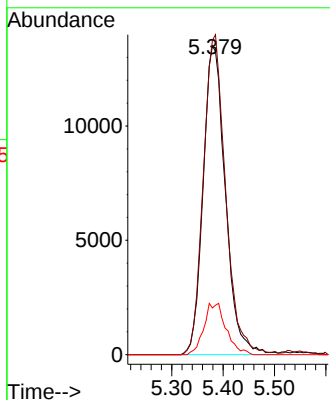
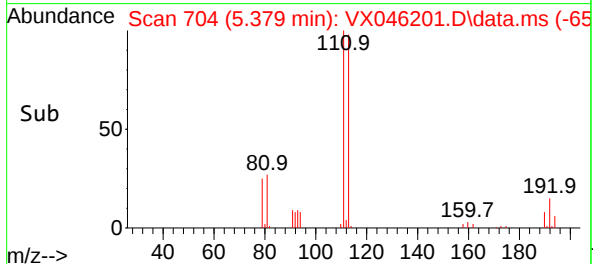


#35
Dibromofluoromethane
Concen: 50.680 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

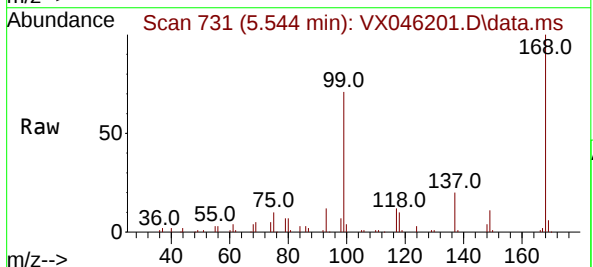
Instrument :
MSVOA_X
ClientSampleId :



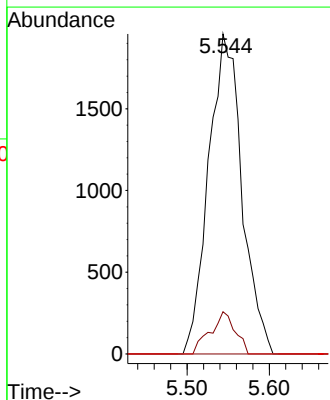
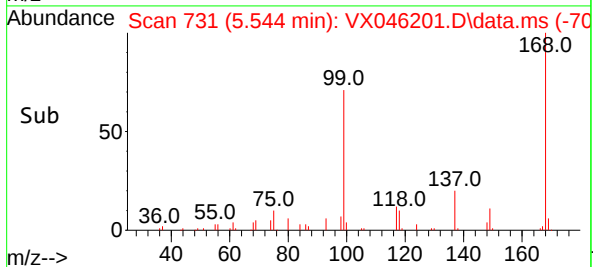
Tgt Ion:113 Resp: 40653
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 16.5 13.3 19.9

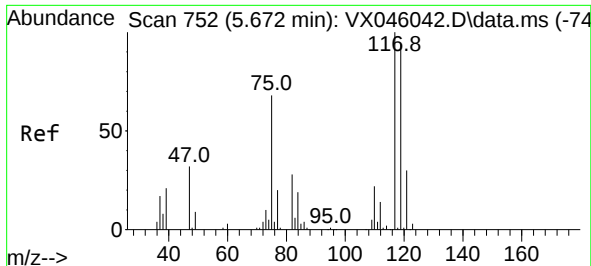


#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15



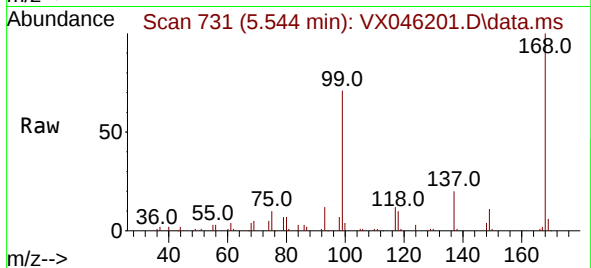
Tgt Ion: 75 Resp: 5522
Ion Ratio Lower Upper
75 100
110 9.8 16.3 48.9#
77 0.0 24.3 36.5#



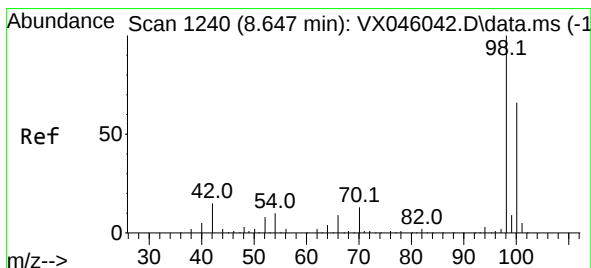
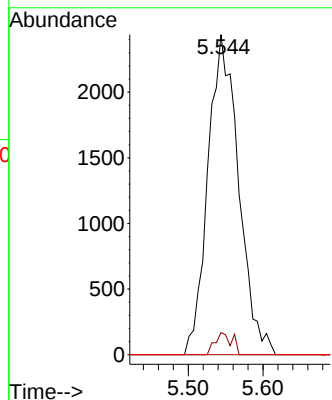
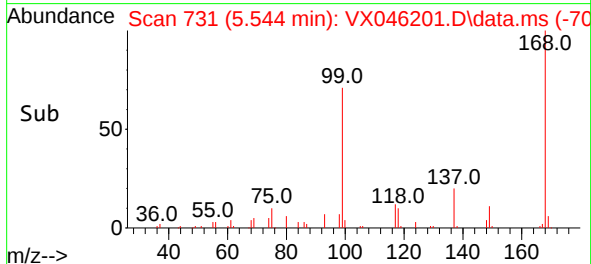


#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

Instrument :
MSVOA_X
ClientSampleId :

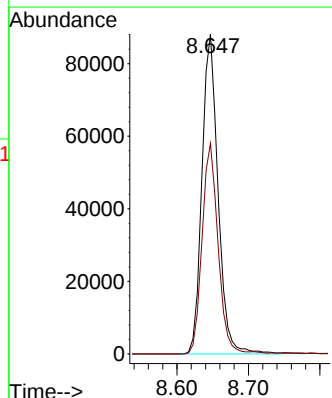
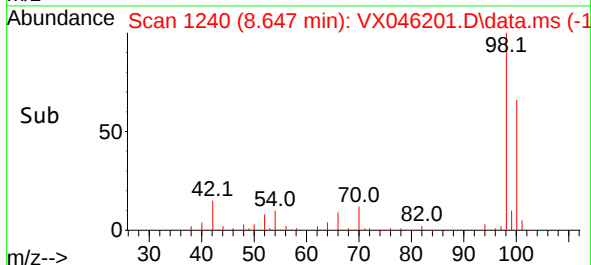
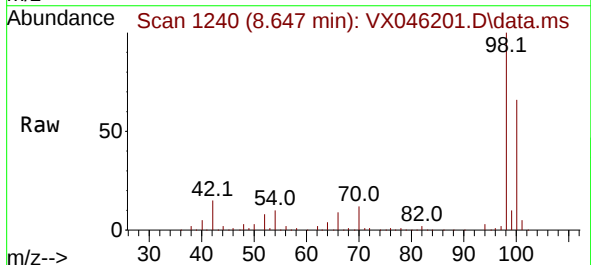


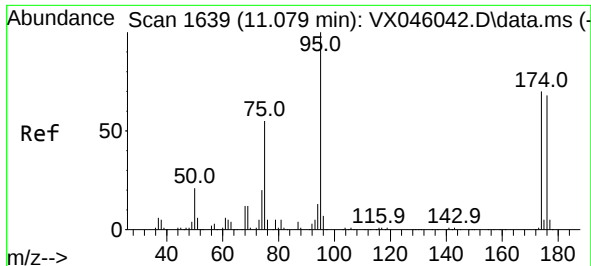
Tgt Ion:117 Resp: 6960
Ion Ratio Lower Upper
117 100
119 6.9 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.718 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

Tgt Ion: 98 Resp: 138035
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3

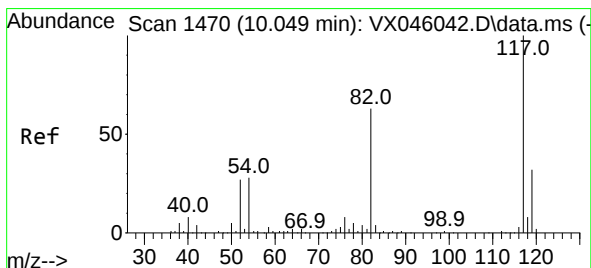
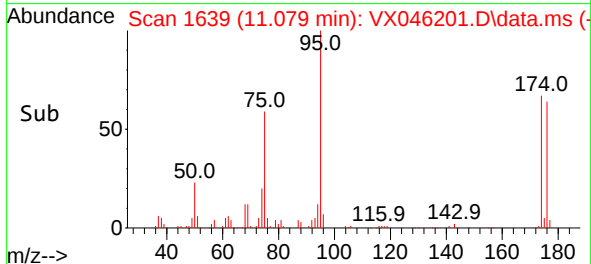
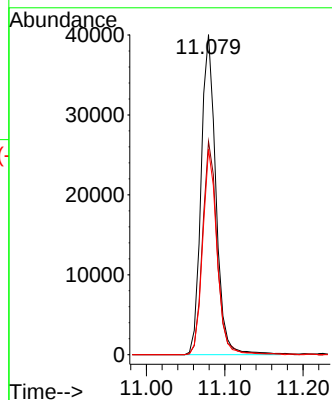
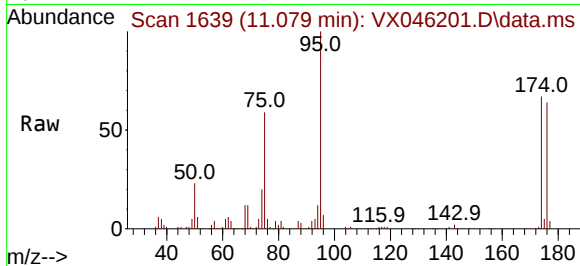




#62
4-Bromofluorobenzene
Concen: 49.189 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

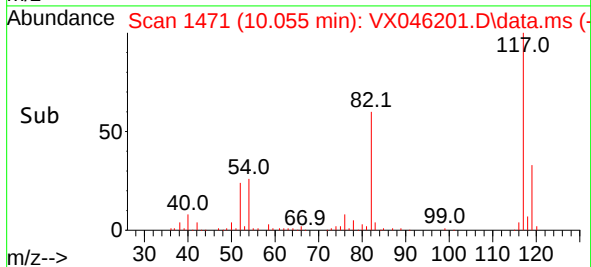
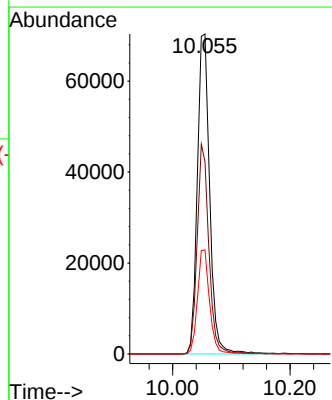
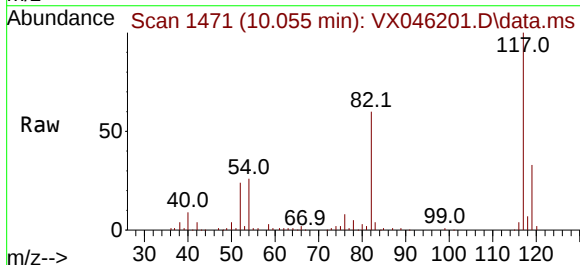
Instrument :
MSVOA_X
ClientSampleId :

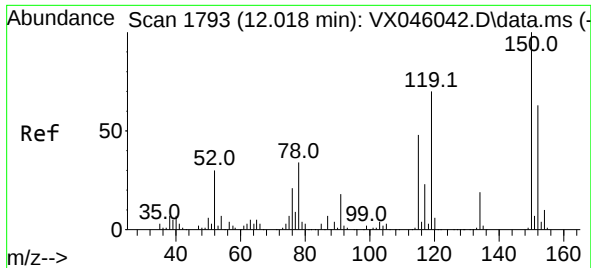
Tgt Ion: 95 Resp: 52384
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.8
176 62.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

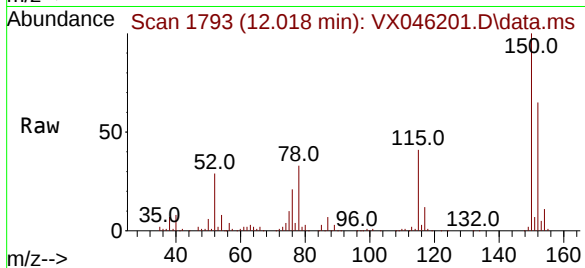
Tgt Ion: 117 Resp: 102679
Ion Ratio Lower Upper
117 100
82 60.0 50.6 76.0
119 32.5 25.8 38.6



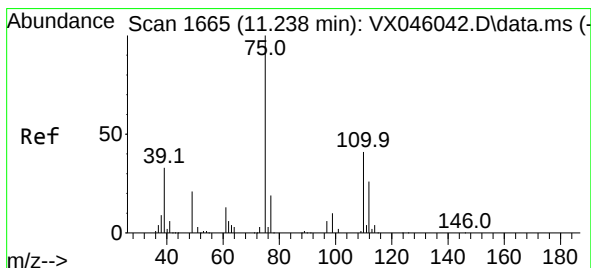
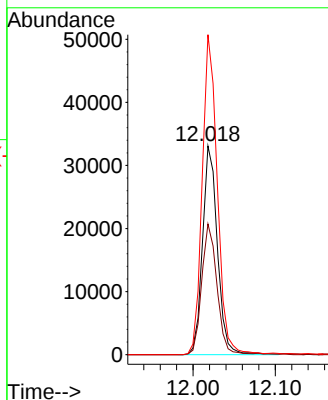
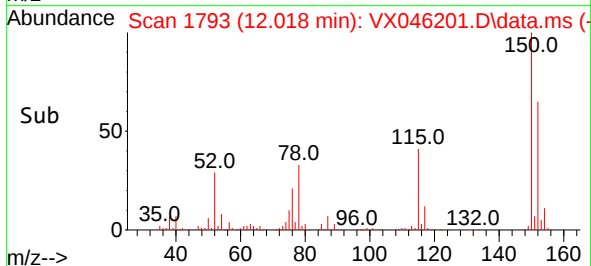


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046201.D
 Acq: 15 May 2025 10:15

Instrument :
 MSVOA_X
 ClientSampleId :

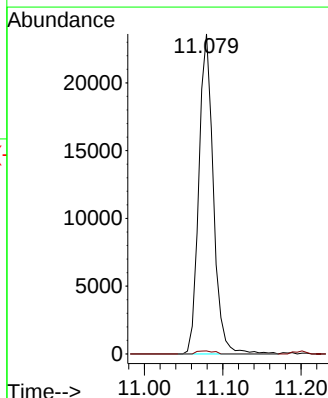
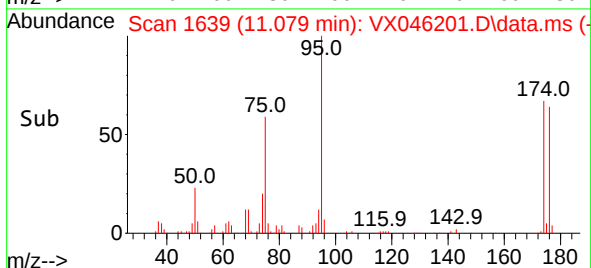
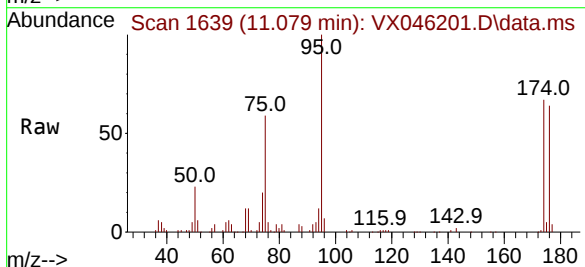


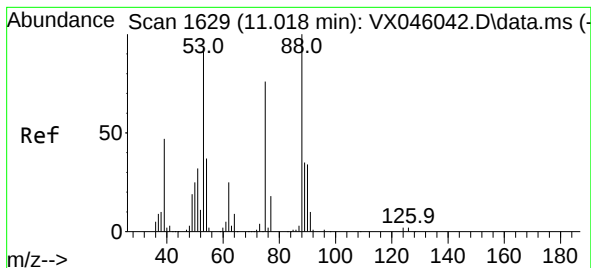
Tgt Ion:152 Resp: 41784
 Ion Ratio Lower Upper
 152 100
 115 64.4 46.9 140.7
 150 154.9 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.258 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046201.D
 Acq: 15 May 2025 10:15

Tgt Ion: 75 Resp: 30432
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#

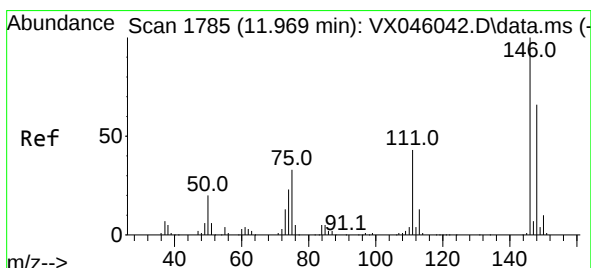
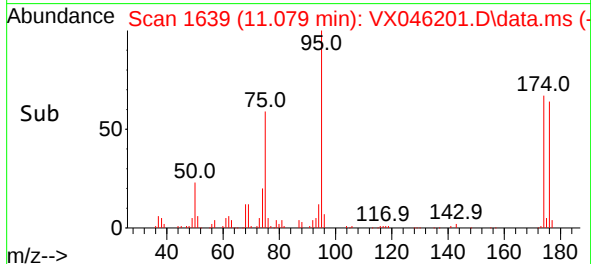
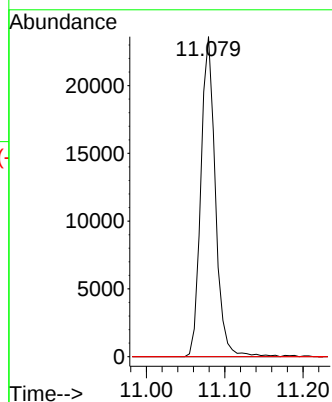
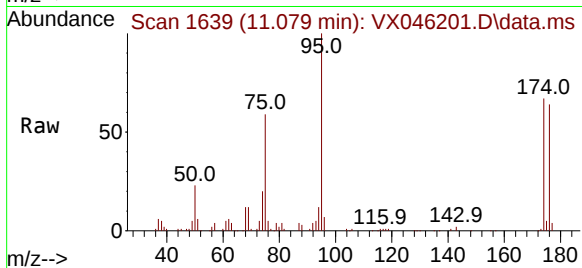




#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.509 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX046201.D
 Acq: 15 May 2025 10:15

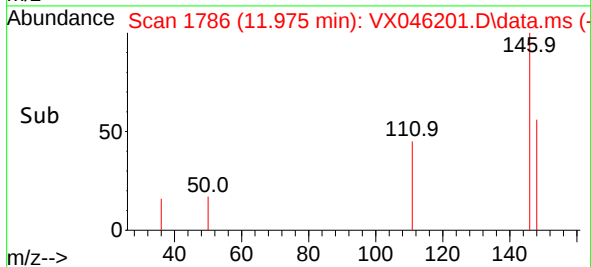
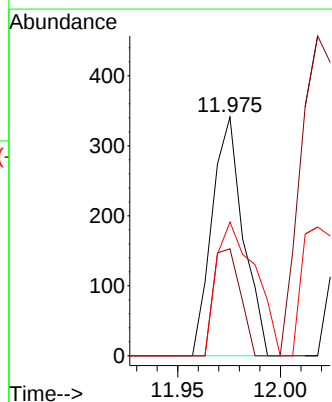
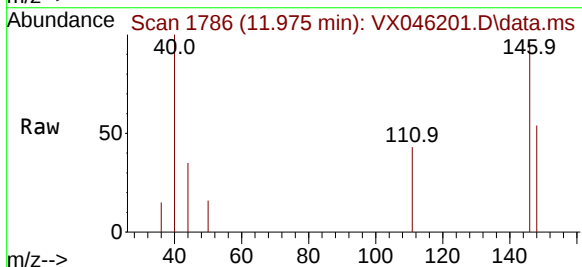
Instrument :
 MSVOA_X
 ClientSampleId :

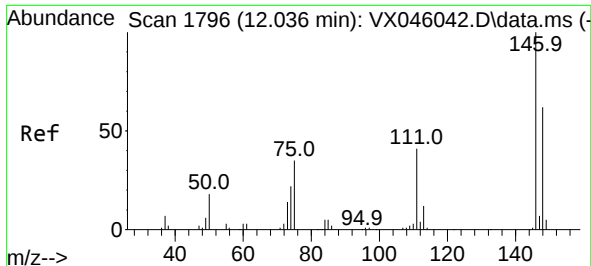
Tgt Ion: 75 Resp: 30432
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#87
 1,3-Dichlorobenzene
 Concen: 0.261 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX046201.D
 Acq: 15 May 2025 10:15

Tgt Ion:146 Resp: 360
 Ion Ratio Lower Upper
 146 100
 111 38.3 22.1 66.3
 148 70.0 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 0.256 ug/l

RT: 11.975 min Scan# 11

Delta R.T. -0.061 min

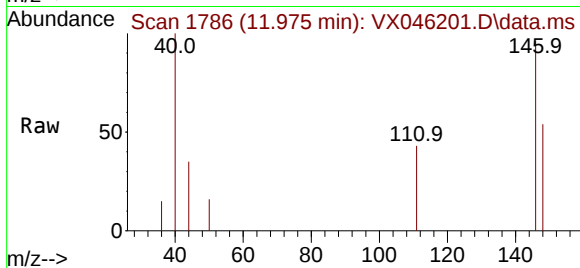
Lab File: VX046201.D

Acq: 15 May 2025 10:15

Instrument :

MSVOA_X

ClientSampleId :



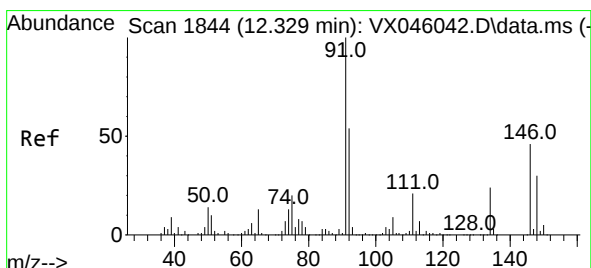
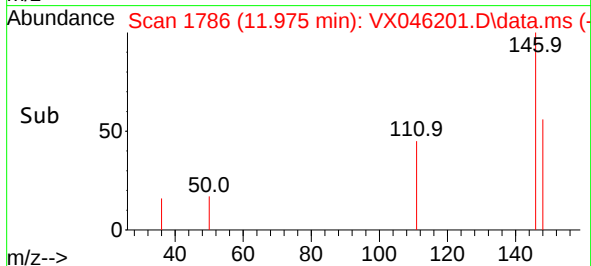
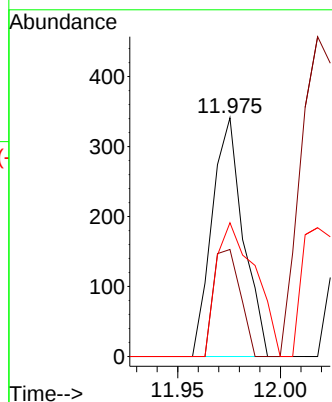
Tgt Ion:146 Resp: 360

Ion Ratio Lower Upper

146 100

111 38.3 21.3 63.9

148 70.0 31.9 95.5



#89

n-Butylbenzene

Concen: 0.211 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.012 min

Lab File: VX046201.D

Acq: 15 May 2025 10:15

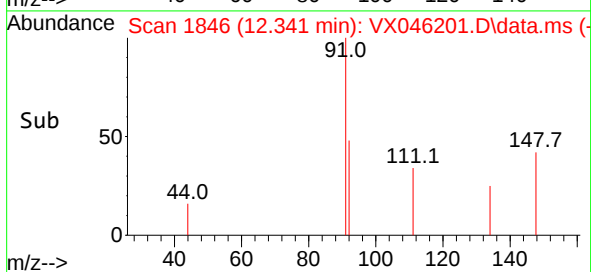
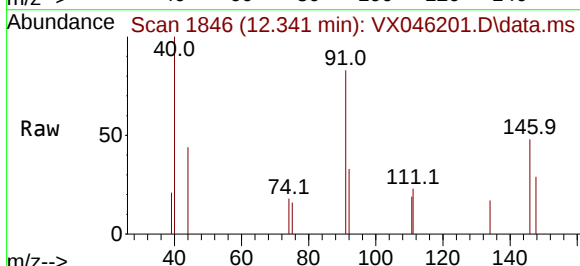
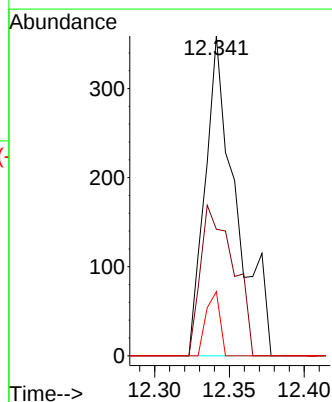
Tgt Ion: 91 Resp: 514

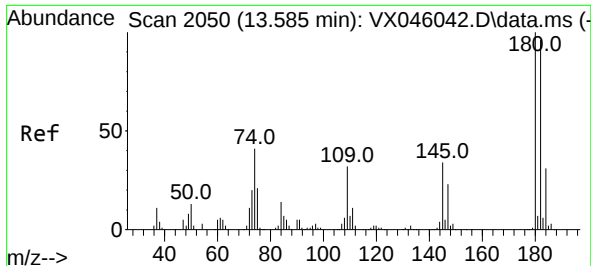
Ion Ratio Lower Upper

91 100

92 50.4 26.9 80.7

134 8.9 11.8 35.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.769 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX046201.D

Acq: 15 May 2025 10:15

Instrument :

MSVOA_X

ClientSampleId :

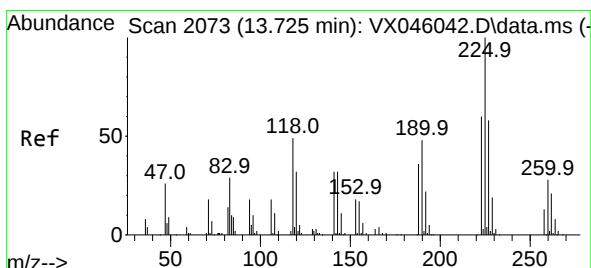
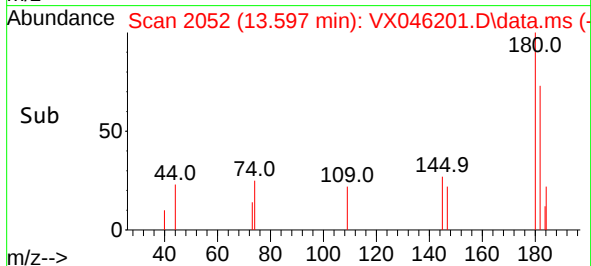
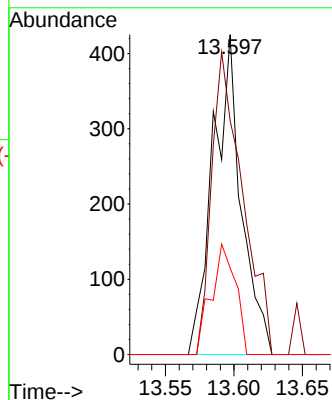
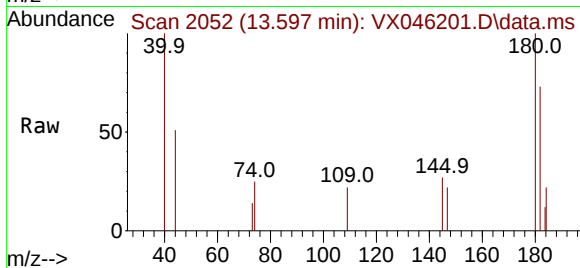
Tgt Ion:180 Resp: 611

Ion Ratio Lower Upper

180 100

182 103.1 47.9 143.8

145 29.6 17.1 51.2



#94

Hexachlorobutadiene

Concen: 0.248 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX046201.D

Acq: 15 May 2025 10:15

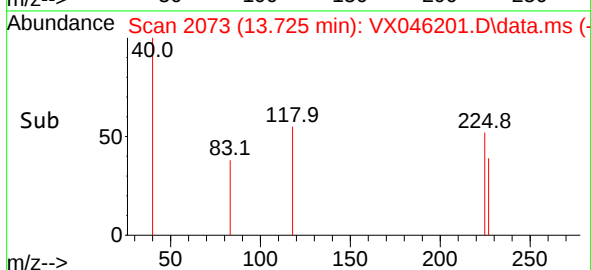
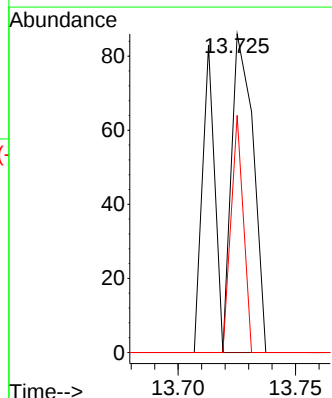
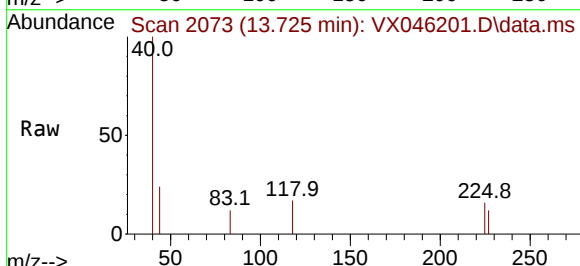
Tgt Ion:225 Resp: 86

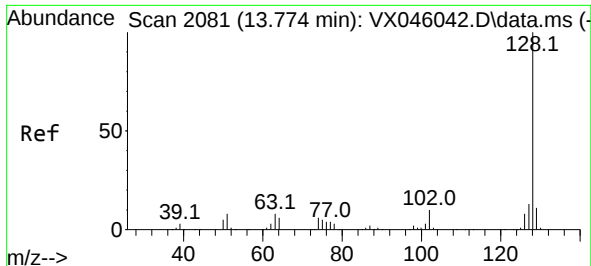
Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.4#

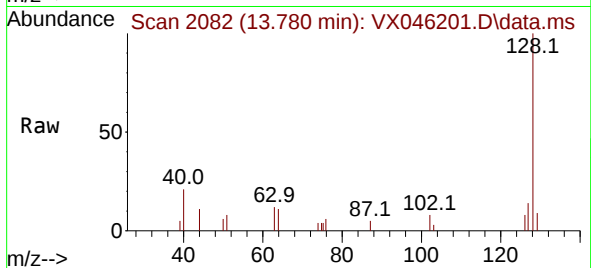
227 26.7 30.9 92.7#



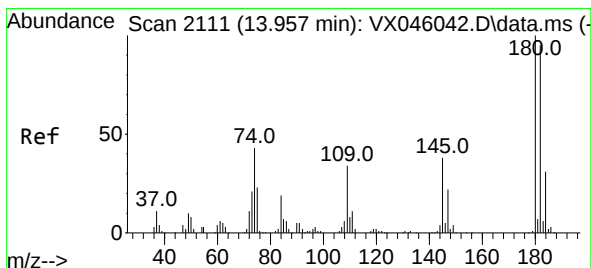
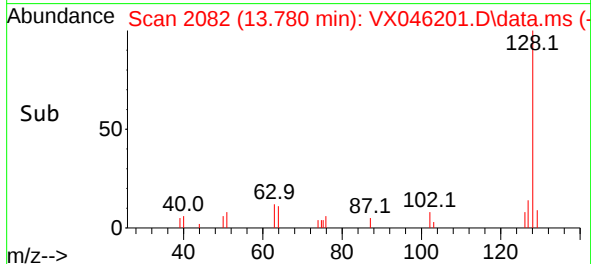
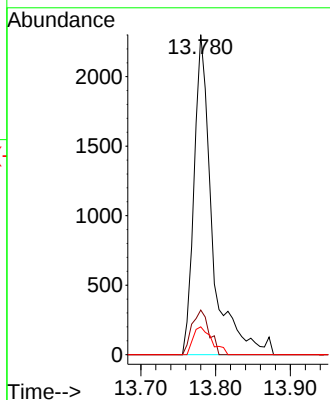


#95
Naphthalene
Concen: 1.337 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3896
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 8.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.916 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046201.D
Acq: 15 May 2025 10:15

Tgt Ion:180 Resp: 751
Ion Ratio Lower Upper
180 100
182 102.1 47.8 143.3
145 30.9 18.1 54.3

