

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046256.D
 Acq On : 19 May 2025 10:39
 Operator : JC/MD
 Sample : VX0519MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0519MBL01

Quant Time: May 19 23:06:09 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	5.537	168	63875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	126268	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52500	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	64149	53.869	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.740%	
35) Dibromofluoromethane	5.379	113	46655	51.311	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.620%	
50) Toluene-d8	8.647	98	158856	50.477	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	11.079	95	61486	50.934	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.860%	

Target Compounds

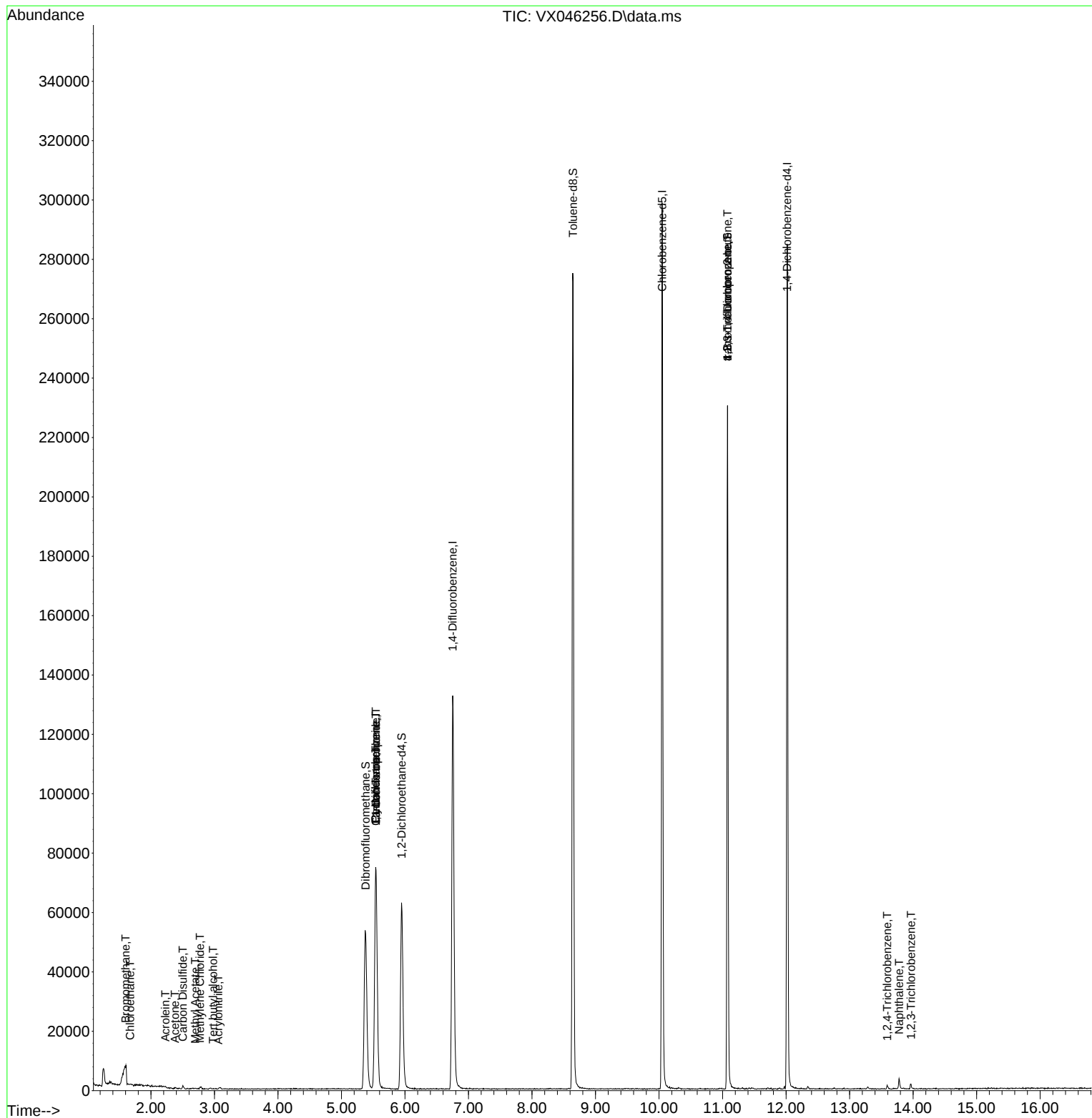
						Qvalue
5) Bromomethane	1.599	94	249	0.608	ug/l #	59
6) Chloroethane	1.672	64	251	0.533	ug/l #	44
11) Tert butyl alcohol	2.977	59	49	0.293	ug/l #	72
13) Acrolein	2.227	56	191	1.003	ug/l	99
15) Acrylonitrile	3.062	53	159	0.333	ug/l #	90
16) Acetone	2.380	43	409	0.857	ug/l	94
17) Carbon Disulfide	2.501	76	943	0.525	ug/l #	85
18) Methyl Acetate	2.697	43	338	0.305	ug/l #	55
20) Methylene Chloride	2.770	84	193	0.211	ug/l #	54
31) Cyclohexane	5.537	56	1830	1.289	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	6359	5.205	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7524	5.481	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	35646	28.208	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35646	91.835	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	429	0.430	ug/l	84
95) Naphthalene	13.780	128	2979	0.814	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	540	0.524	ug/l	80

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

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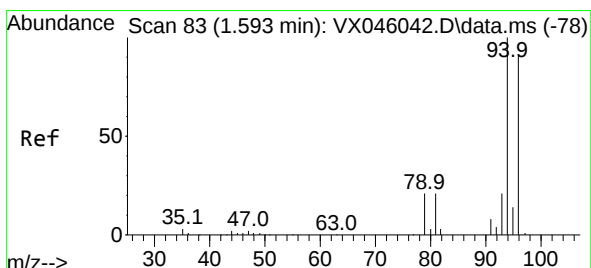
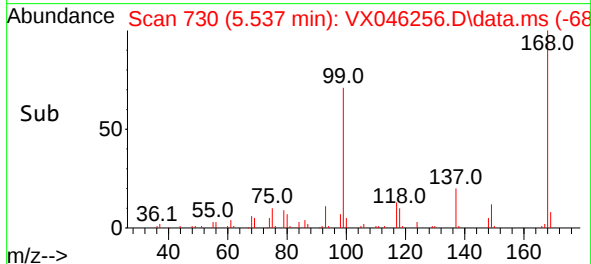
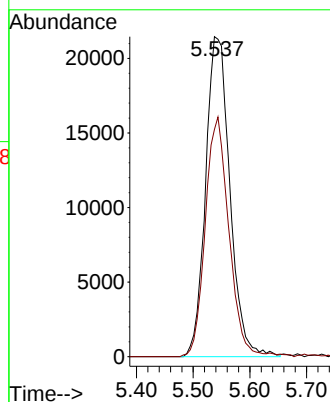
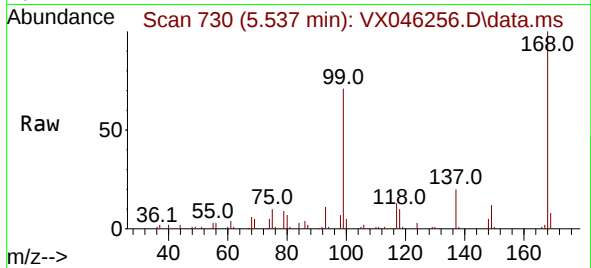




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

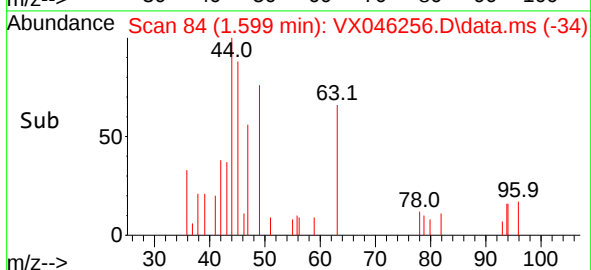
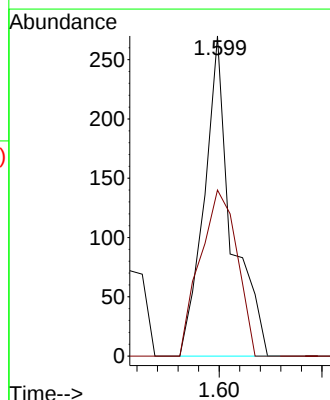
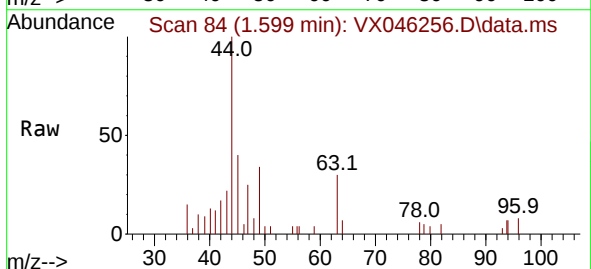
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

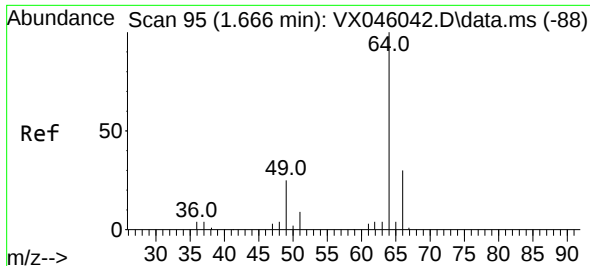
Tgt Ion:168 Resp: 63875
Ion Ratio Lower Upper
168 100
99 71.0 54.9 82.3



#5
Bromomethane
Concen: 0.608 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 51.9 72.8 109.2#

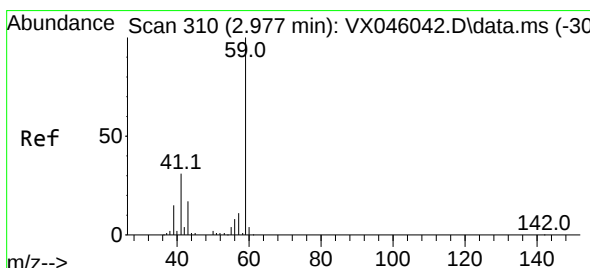
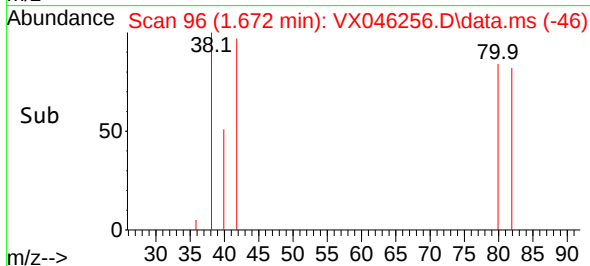
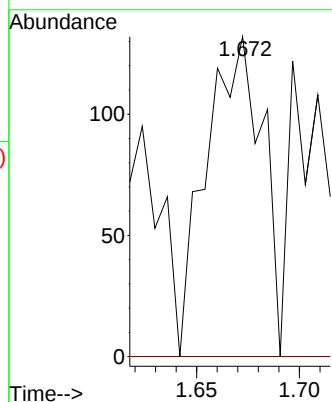
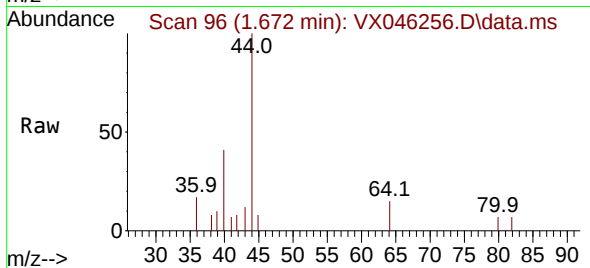




#6
Chloroethane
Concen: 0.533 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

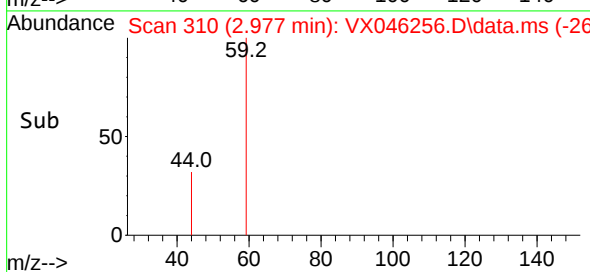
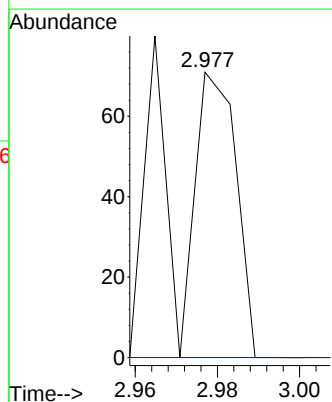
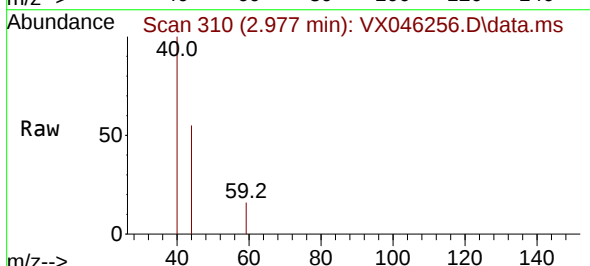
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

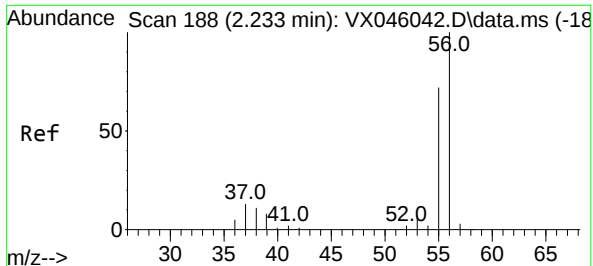
Tgt Ion: 64 Resp: 251
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 0.293 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 1.003 ug/l

RT: 2.227 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX046256.D

Acq: 19 May 2025 10:39

Instrument :

MSVOA_X

ClientSampleId :

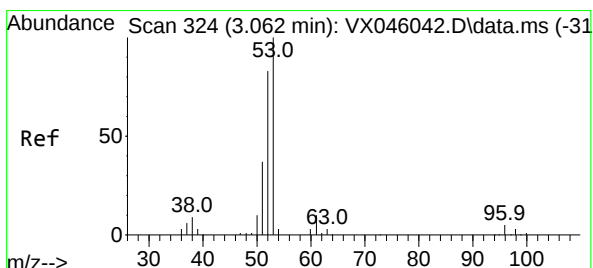
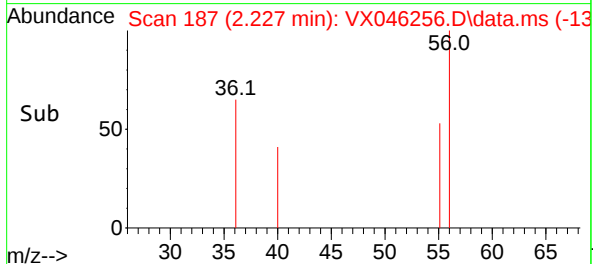
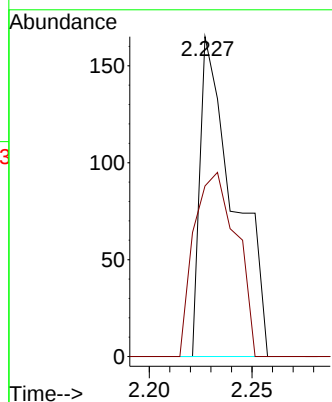
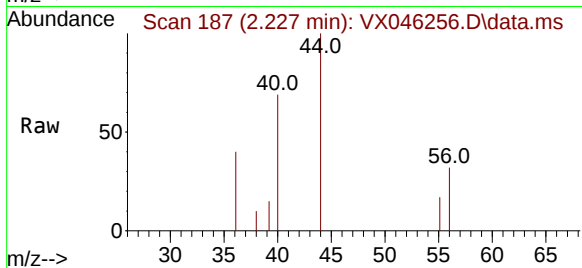
VX0519MBL01

Tgt Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 71.2 56.2 84.4



#15

Acrylonitrile

Concen: 0.333 ug/l

RT: 3.062 min Scan# 324

Delta R.T. -0.000 min

Lab File: VX046256.D

Acq: 19 May 2025 10:39

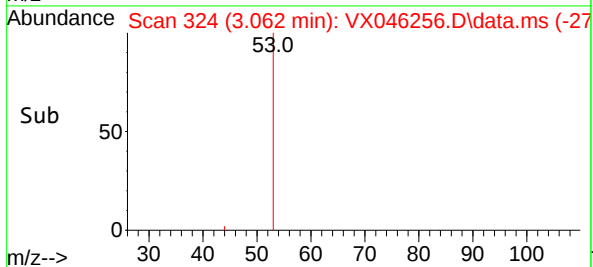
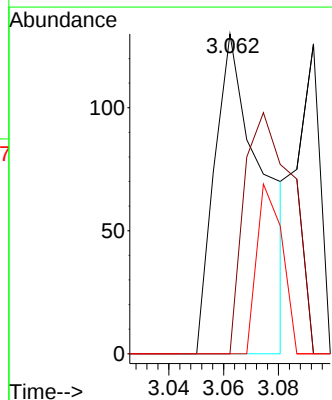
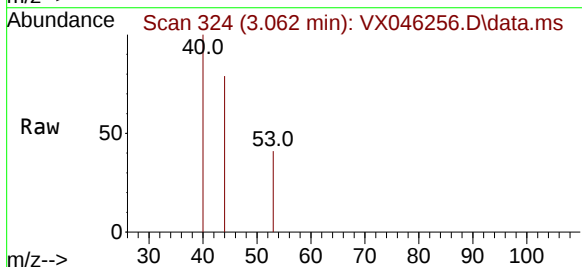
Tgt Ion: 53 Resp: 159

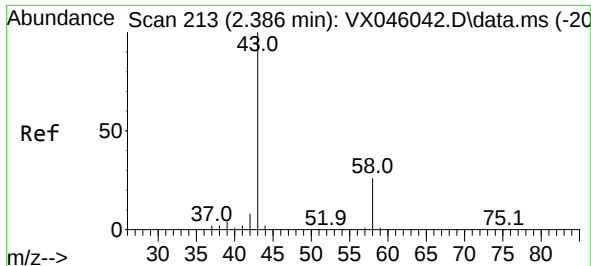
Ion Ratio Lower Upper

53 100

52 74.8 65.3 97.9

51 27.7 29.8 44.8#

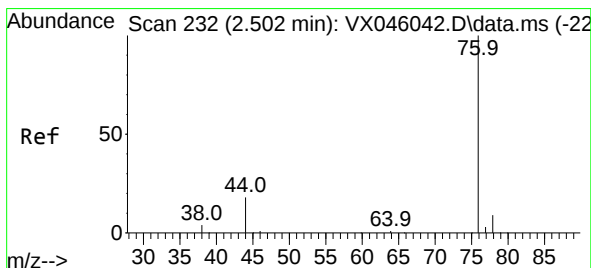
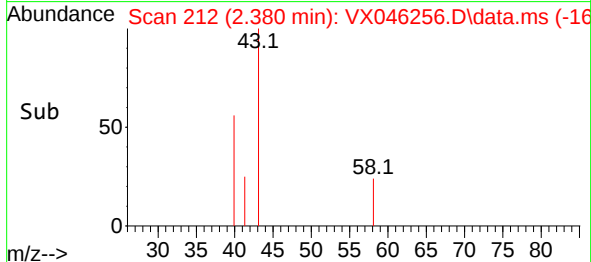
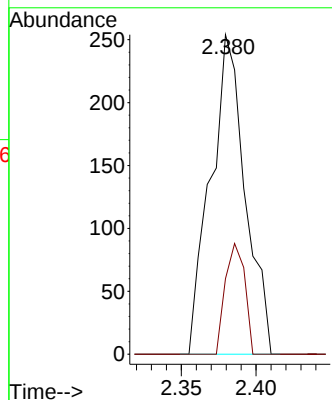
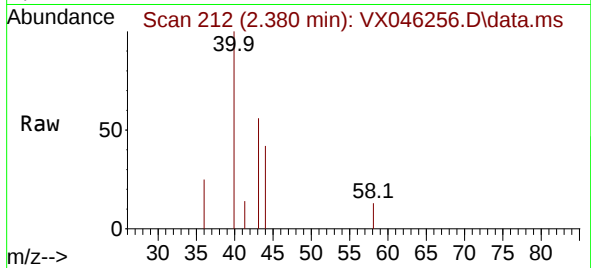




#16
Acetone
Concen: 0.857 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

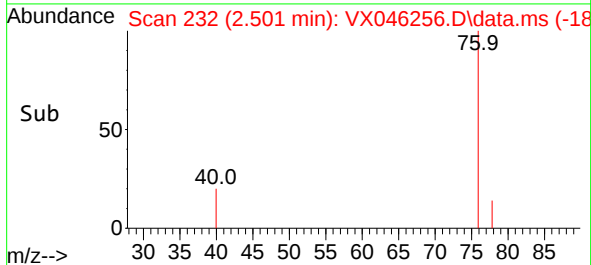
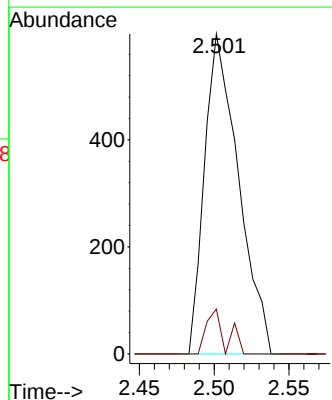
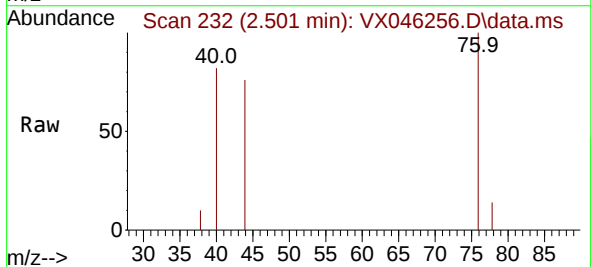
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

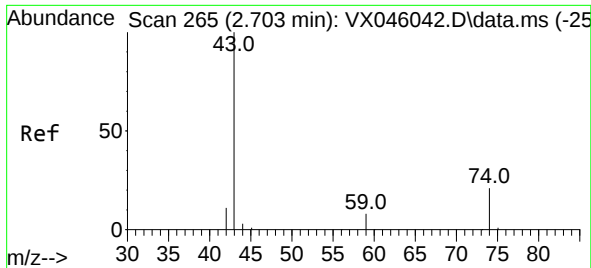
Tgt Ion: 43 Resp: 409
Ion Ratio Lower Upper
43 100
58 23.6 21.2 31.8



#17
Carbon Disulfide
Concen: 0.525 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion: 76 Resp: 943
Ion Ratio Lower Upper
76 100
78 14.0 7.0 10.4#

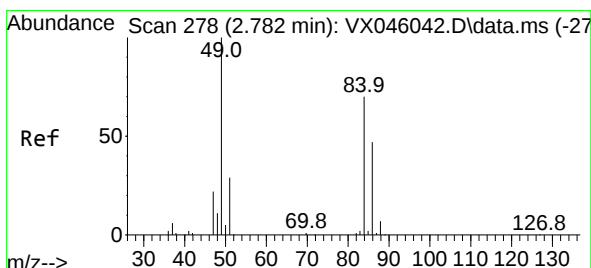
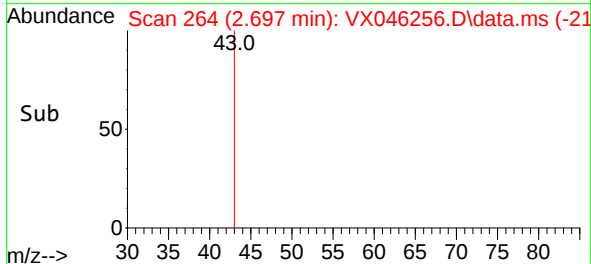
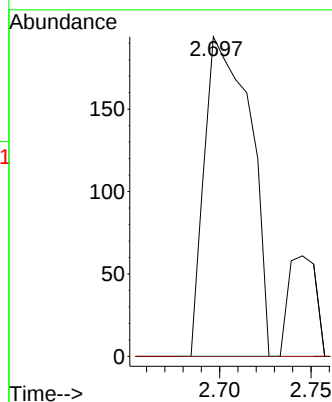
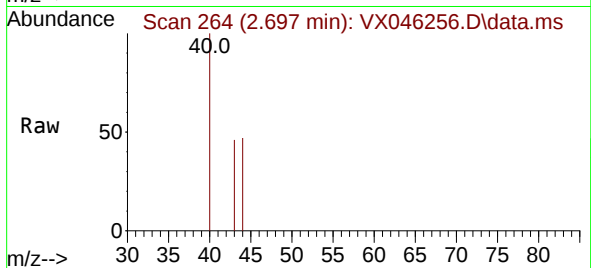




#18
Methyl Acetate
Concen: 0.305 ug/l
RT: 2.697 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

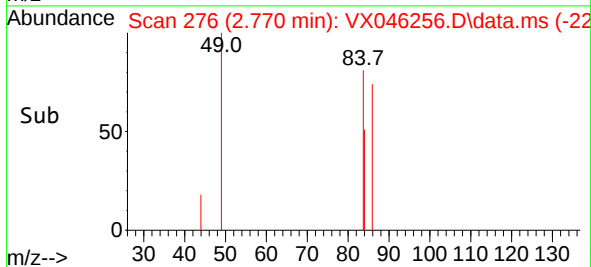
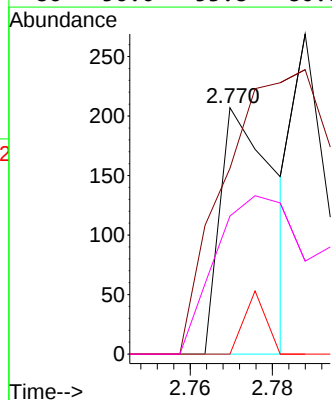
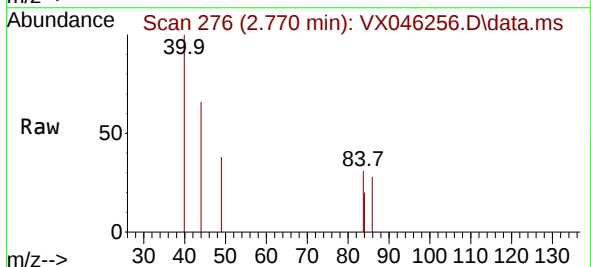
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

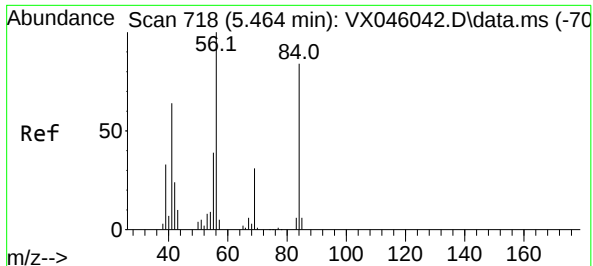
Tgt Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.770 min Scan# 276
Delta R.T. -0.012 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

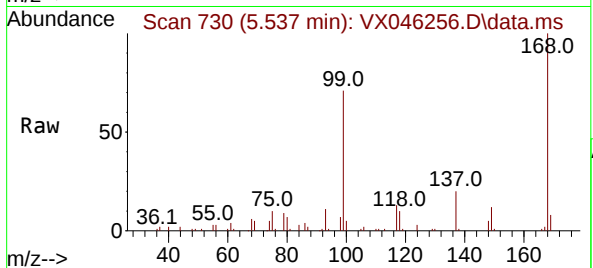
Tgt Ion: 84 Resp: 193
Ion Ratio Lower Upper
84 100
49 75.4 113.9 170.9#
51 0.0 33.5 50.3#
86 56.0 53.8 80.8



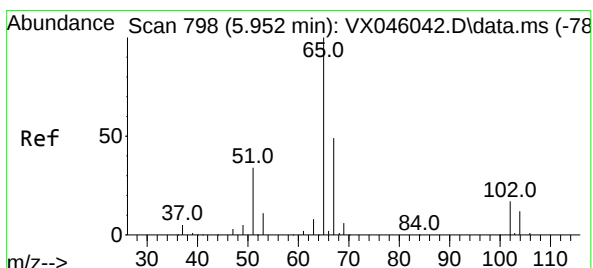
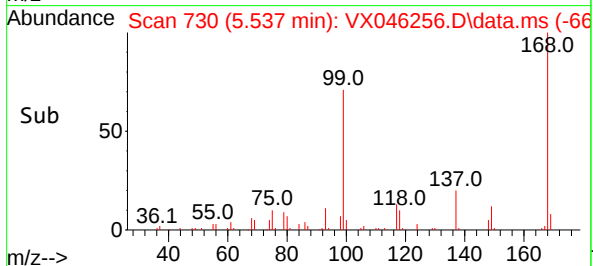
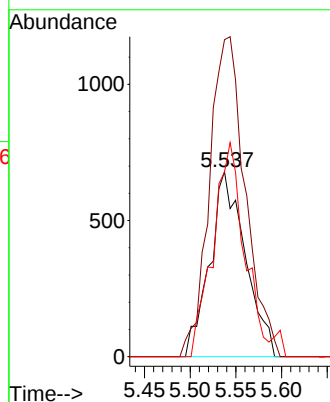


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

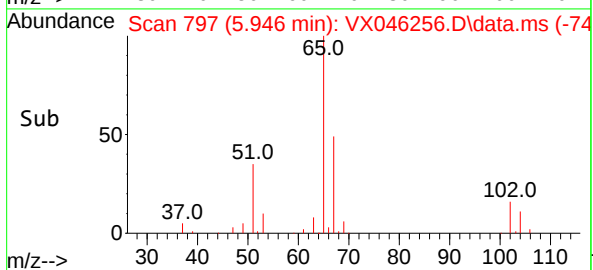
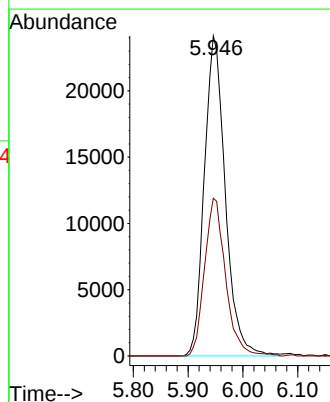
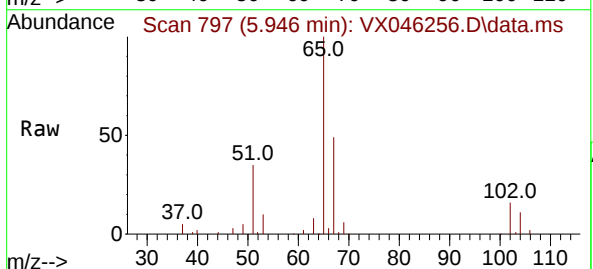


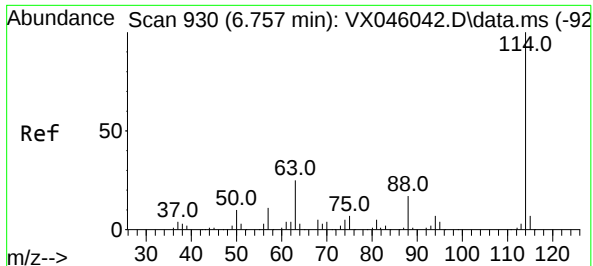
Tgt Ion: 56 Resp: 1830
Ion Ratio Lower Upper
56 100
69 171.4 24.4 36.6#
84 99.9 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.869 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion: 65 Resp: 64149
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

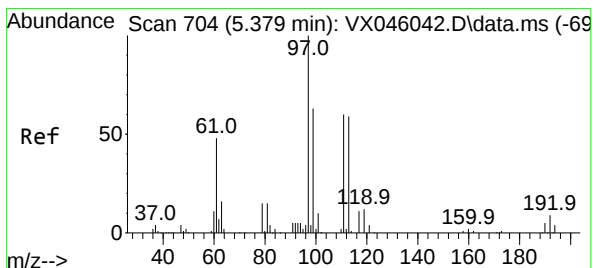
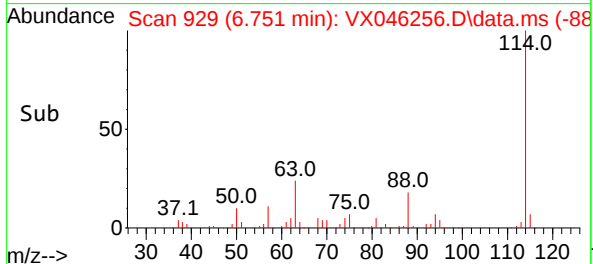
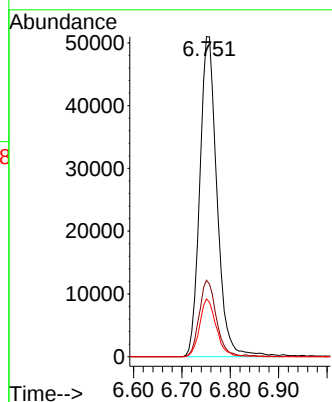
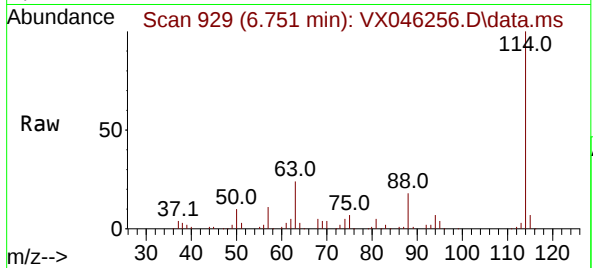




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

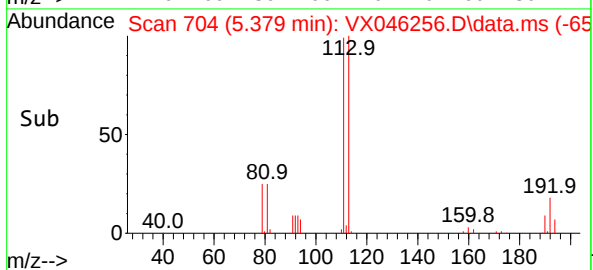
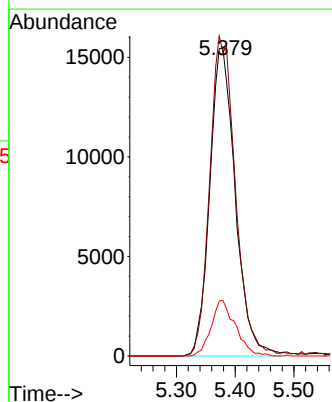
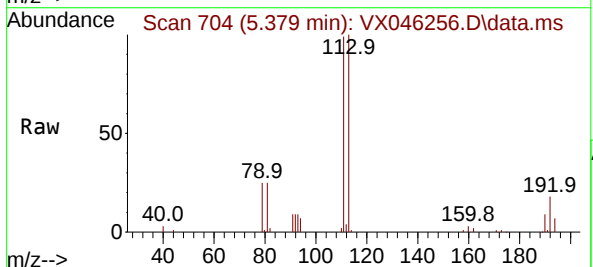
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

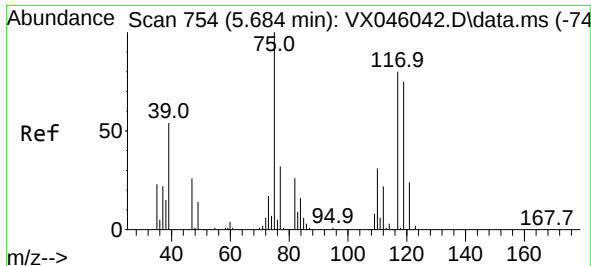
Tgt Ion:114 Resp: 126268
Ion Ratio Lower Upper
114 100
63 23.9 0.0 49.2
88 18.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.311 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion:113 Resp: 46655
Ion Ratio Lower Upper
113 100
111 105.3 83.1 124.7
192 17.3 13.3 19.9

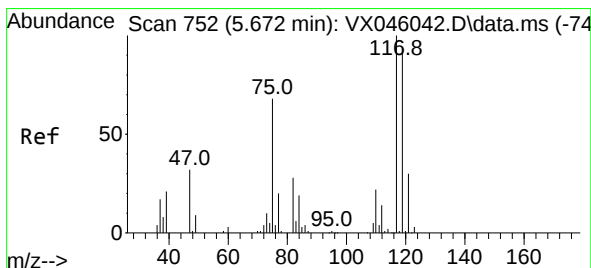
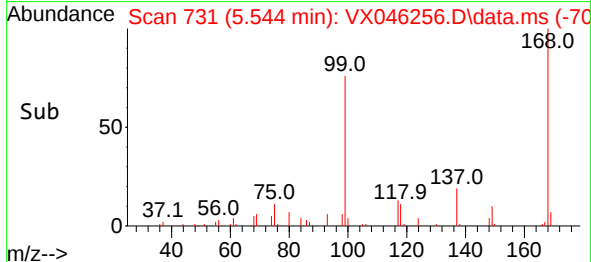
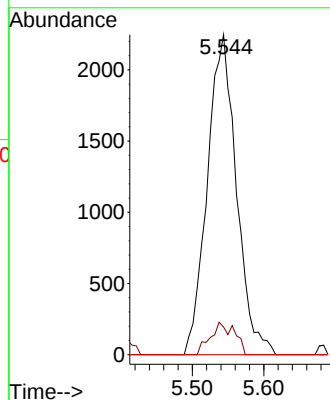
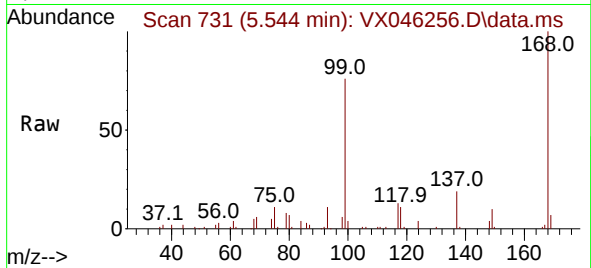




#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

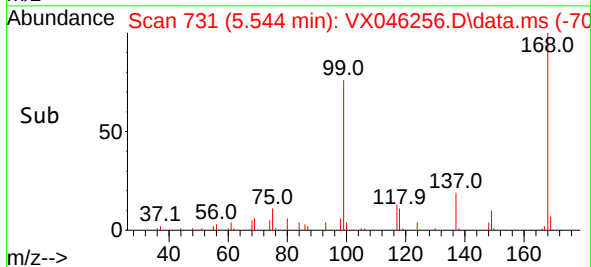
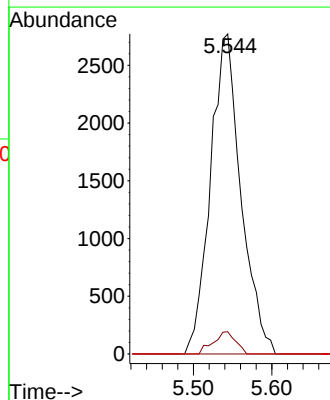
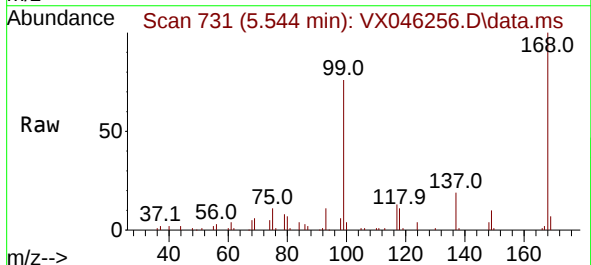
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

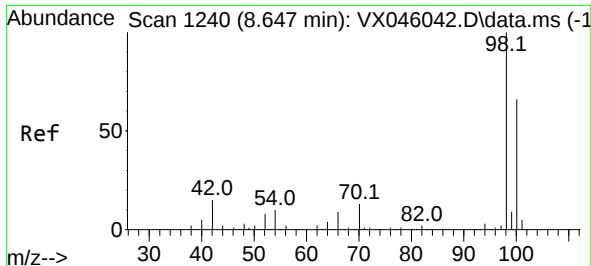
Tgt Ion: 75 Resp: 6359
Ion Ratio Lower Upper
75 100
110 8.4 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.481 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion: 117 Resp: 7524
Ion Ratio Lower Upper
117 100
119 7.0 75.2 112.8#
121 0.0 24.2 36.4#

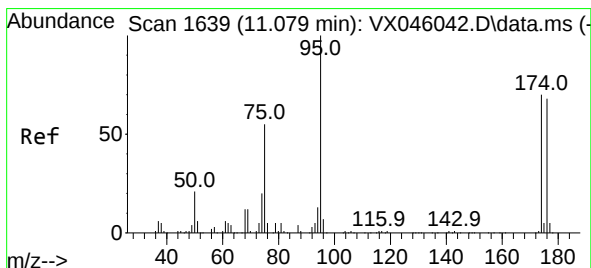
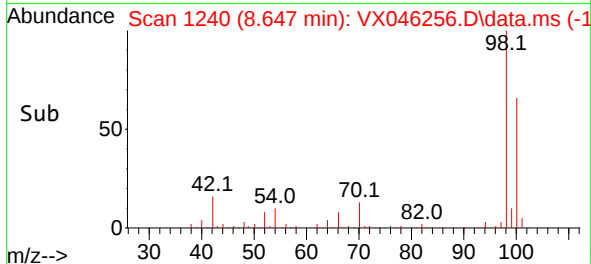
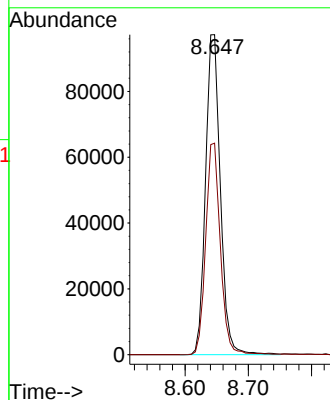
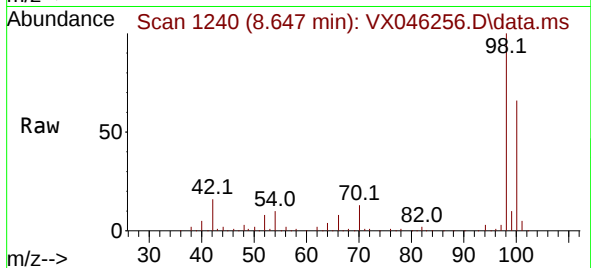




#50
Toluene-d8
Concen: 50.477 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

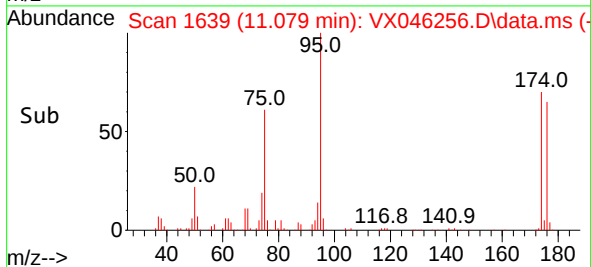
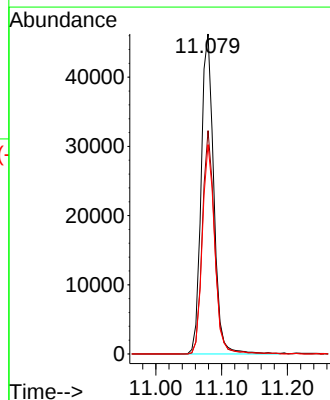
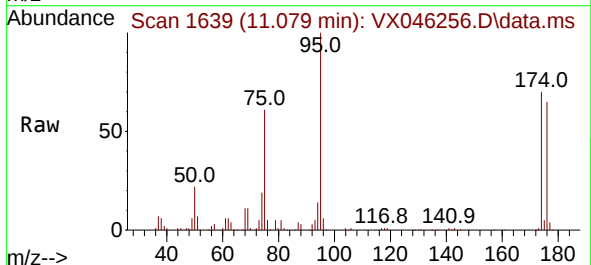
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

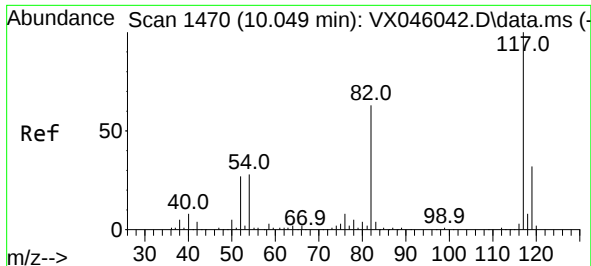
Tgt Ion: 98 Resp: 158856
Ion Ratio Lower Upper
98 100
100 65.4 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.934 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion: 95 Resp: 61486
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 64.7 0.0 131.4

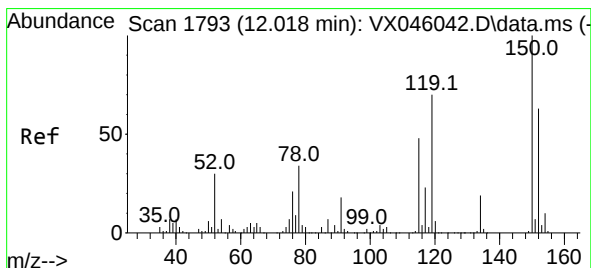
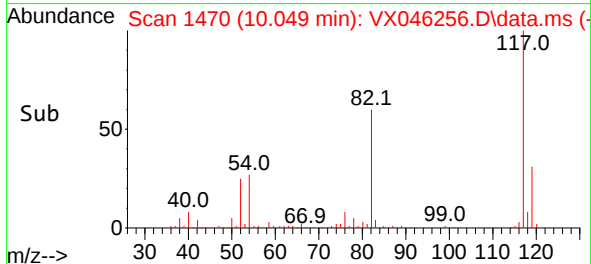
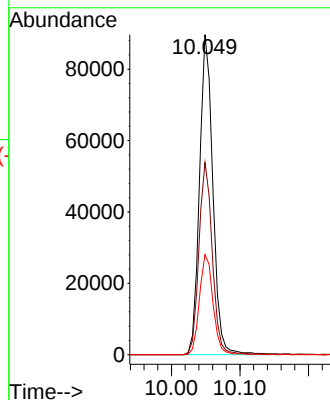
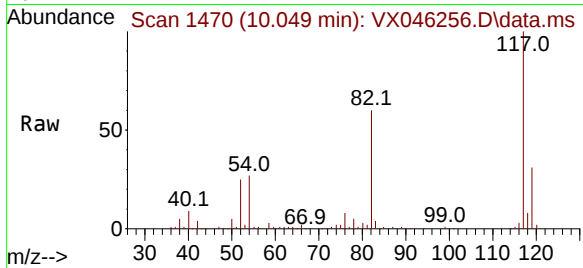




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

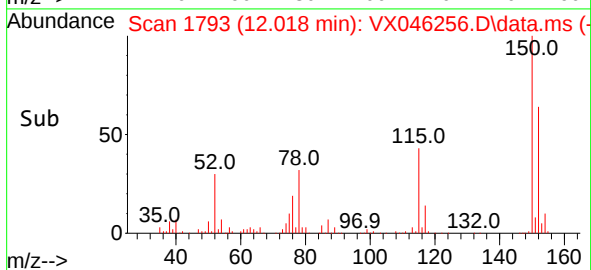
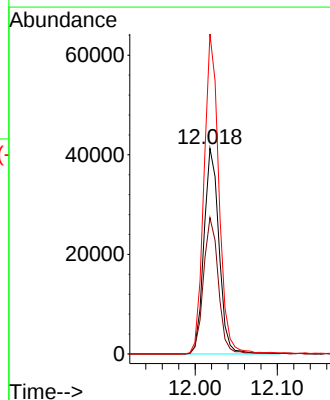
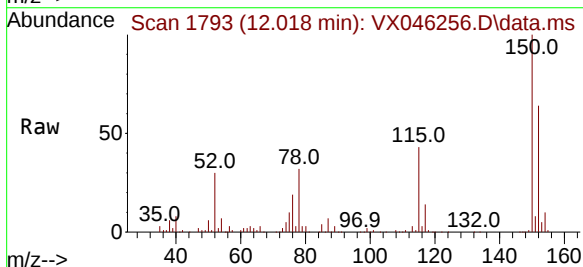
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

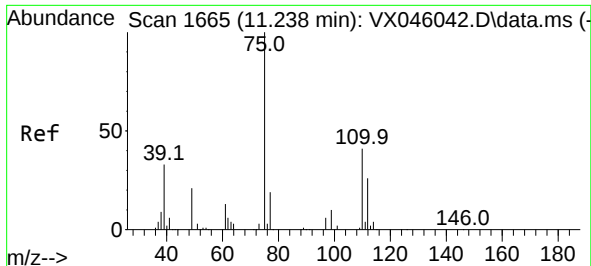
Tgt Ion:117 Resp: 121867
Ion Ratio Lower Upper
117 100
82 60.0 50.6 76.0
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion:152 Resp: 52500
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 154.0 0.0 351.0

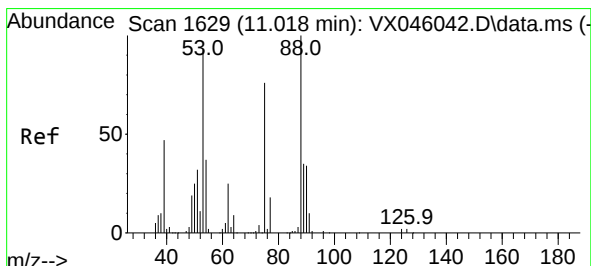
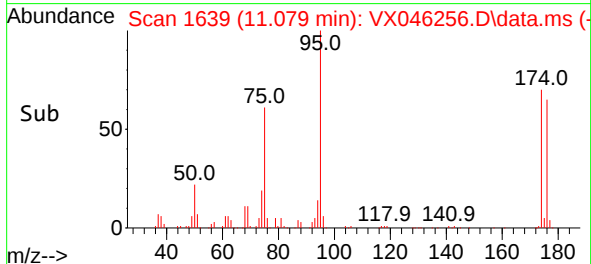
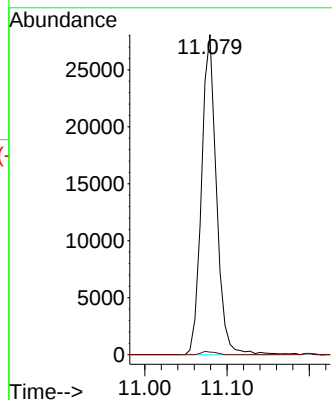
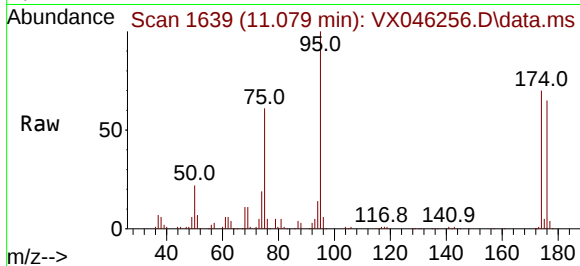




#76
1,2,3-Trichloropropane
Concen: 28.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

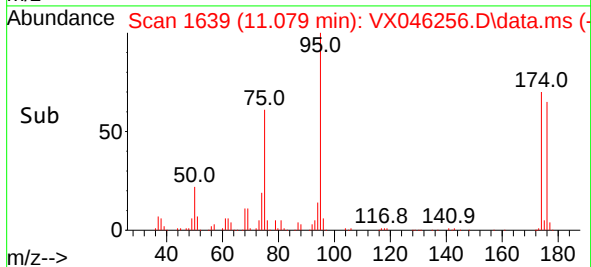
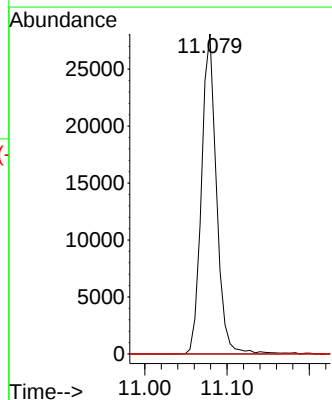
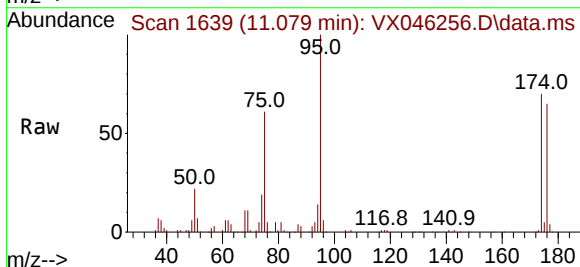
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

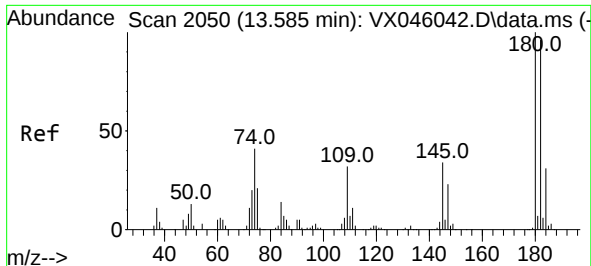
Tgt Ion: 75 Resp: 35646
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.835 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

Tgt Ion: 75 Resp: 35646
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

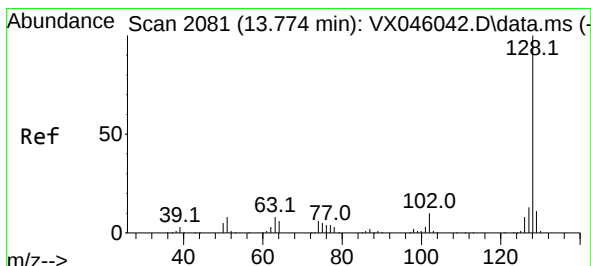
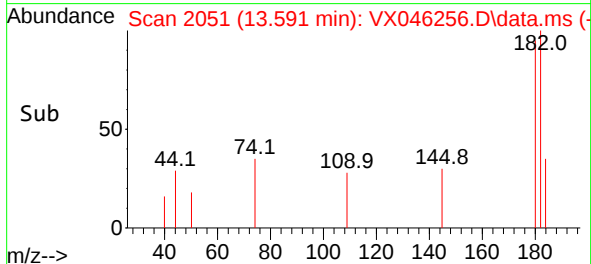
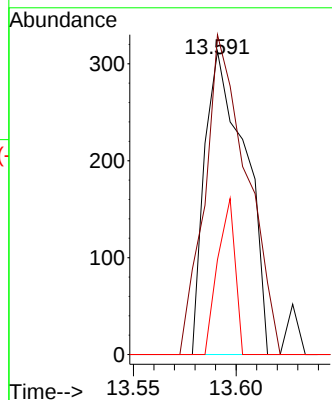
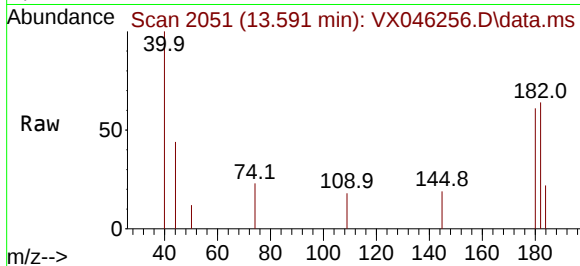




#93
1,2,4-Trichlorobenzene
Concen: 0.430 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

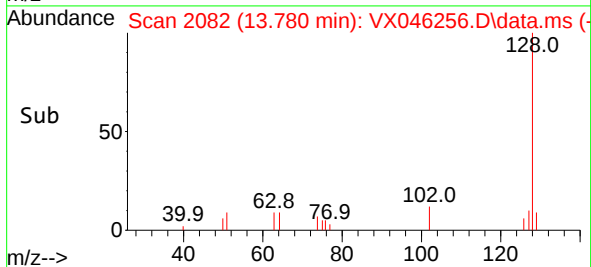
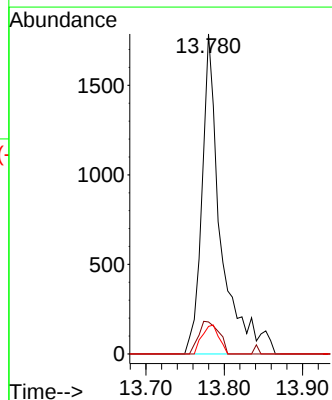
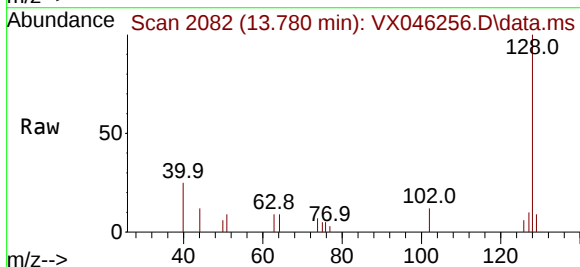
Instrument :
MSVOA_X
ClientSampleId :
VX0519MBL01

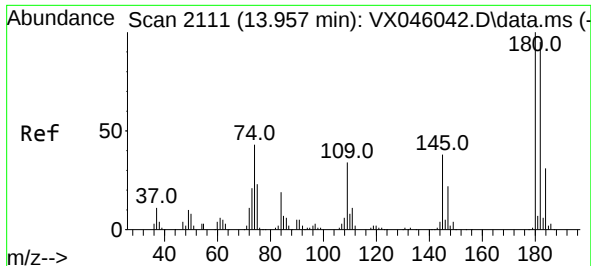
Tgt Ion:180 Resp: 429
Ion Ratio Lower Upper
180 100
182 109.3 47.9 143.8
145 22.1 17.1 51.2



#95
Naphthalene
Concen: 0.814 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046256.D
Acq: 19 May 2025 10:39

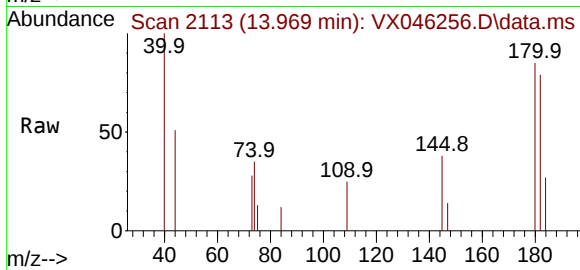
Tgt Ion:128 Resp: 2979
Ion Ratio Lower Upper
128 100
127 11.0 10.4 15.6
129 8.1 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.524 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX046256.D
 Acq: 19 May 2025 10:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0519MBL01



Tgt Ion:180	Resp:	540
Ion	Ratio	Lower Upper
180	100	
182	118.9	47.8 143.3
145	30.6	18.1 54.3

