

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
 Data File : VX046332.D
 Acq On : 23 May 2025 09:53
 Operator : JC/MD
 Sample : VX0523MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523MBL01

Quant Time: May 23 22:56:43 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)

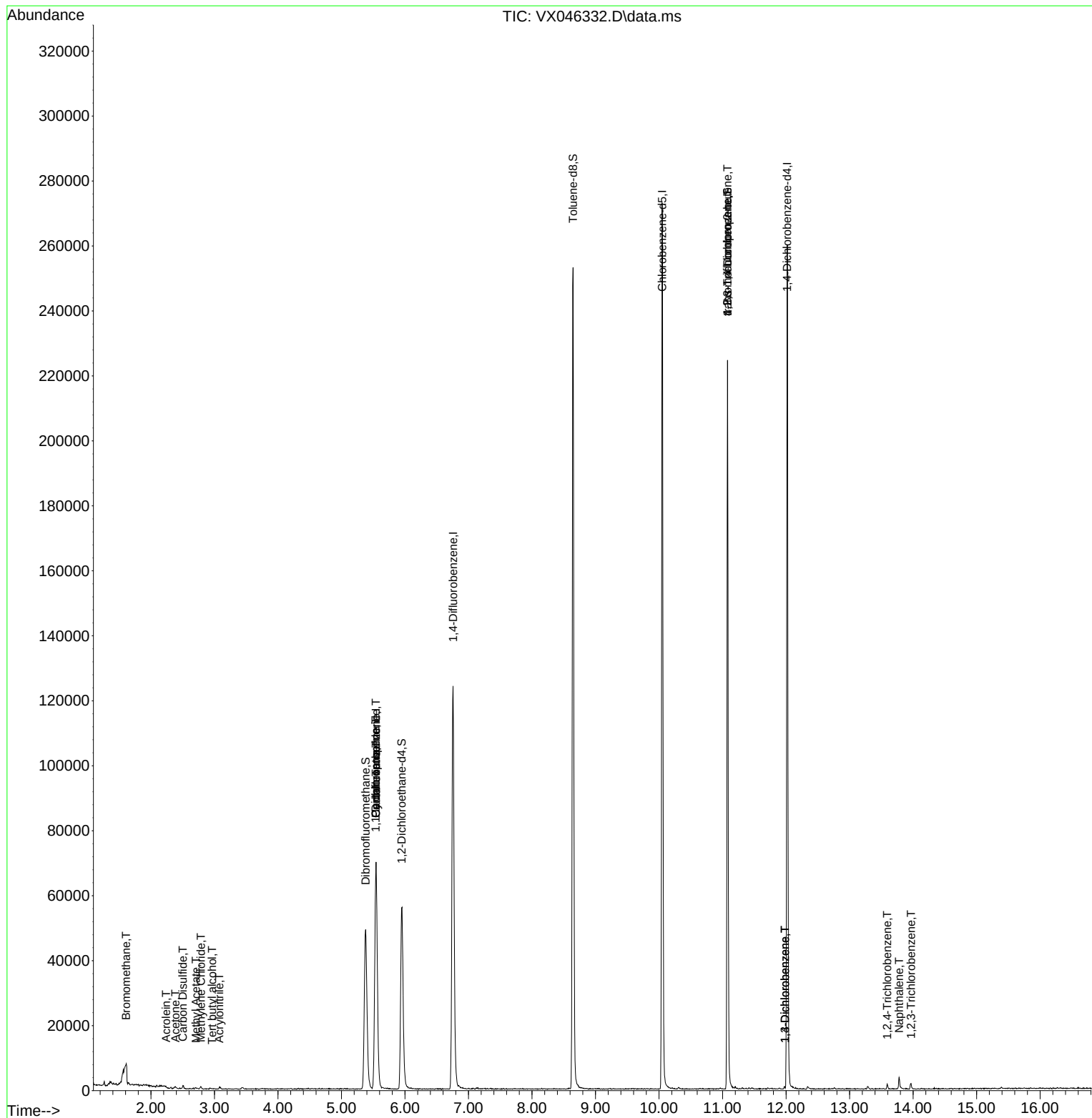
Internal Standards						
1) Pentafluorobenzene	5.544	168	59074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	117281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58472	53.092	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.180%	
35) Dibromofluoromethane	5.379	113	42889	50.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.560%	
50) Toluene-d8	8.647	98	146121	49.989	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	11.079	95	57871	51.613	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	131	0.346	ug/l #	4
11) Tert butyl alcohol	2.965	59	70	0.453	ug/l #	72
13) Acrolein	2.239	56	156	0.886	ug/l	93
15) Acrylonitrile	3.074	53	259	0.586	ug/l #	77
16) Acetone	2.386	43	620	1.404	ug/l	100
17) Carbon Disulfide	2.501	76	1083	0.652	ug/l #	76
18) Methyl Acetate	2.709	43	587	0.573	ug/l #	55
20) Methylene Chloride	2.788	84	311	0.368	ug/l #	91
31) Cyclohexane	5.544	56	1702	1.297	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	6040	5.323	ug/l #	49
38) Carbon Tetrachloride	5.544	117	6797	5.331	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	32918	28.270	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32918	92.039	ug/l #	1
87) 1,3-Dichlorobenzene	11.981	146	331	0.207	ug/l	93
88) 1,4-Dichlorobenzene	11.981	146	331	0.203	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	464	0.504	ug/l	95
95) Naphthalene	13.780	128	2979	0.883	ug/l	97
96) 1,2,3-Trichlorobenzene	13.969	180	580	0.611	ug/l	93

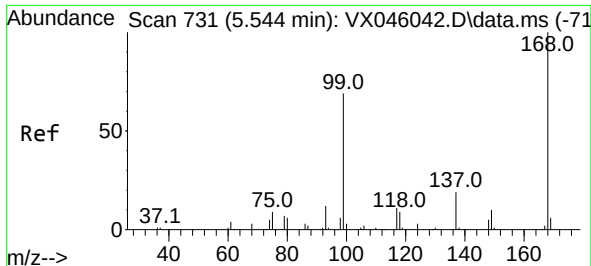
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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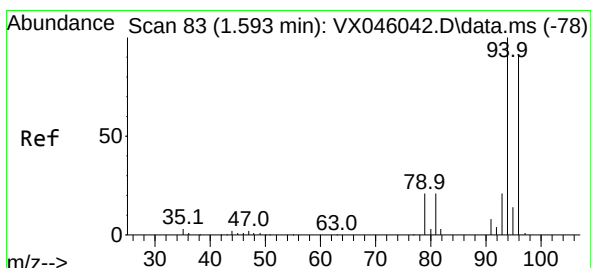
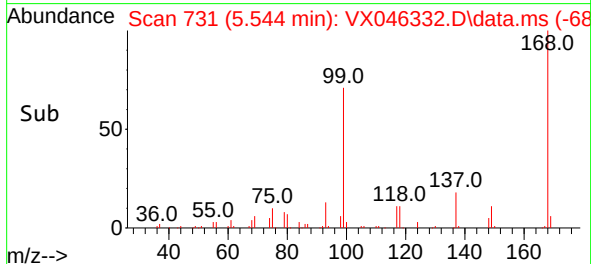
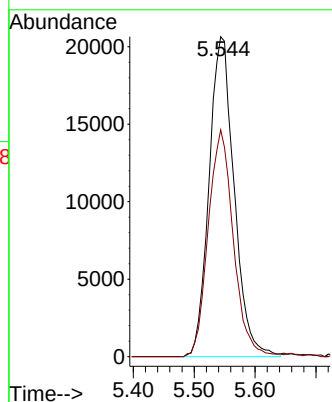
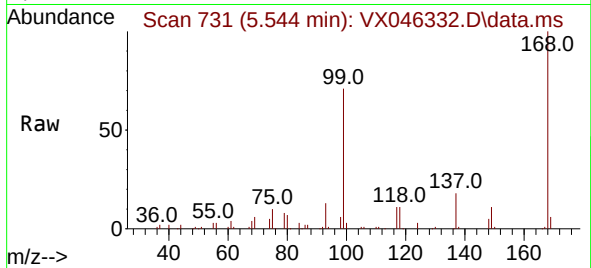




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

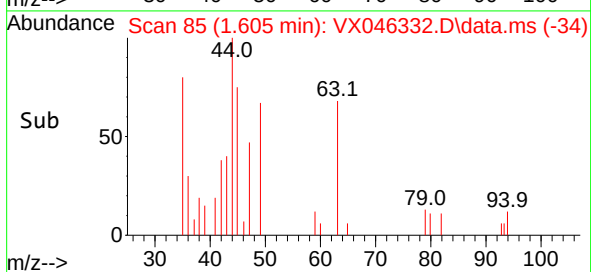
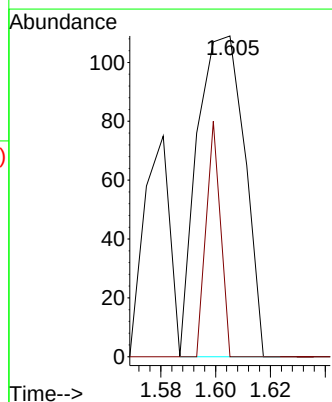
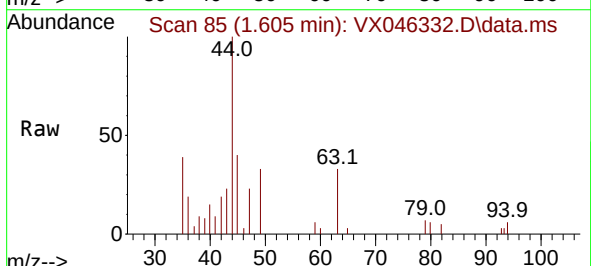
Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

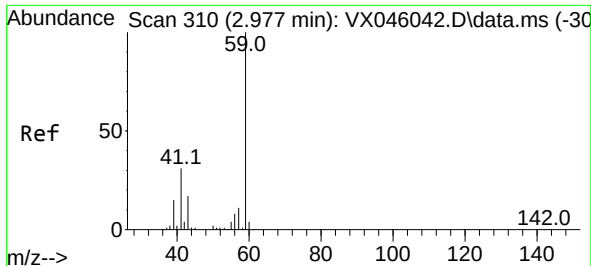
Tgt Ion:168 Resp: 59074
Ion Ratio Lower Upper
168 100
99 70.9 54.9 82.3



#5
Bromomethane
Concen: 0.346 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

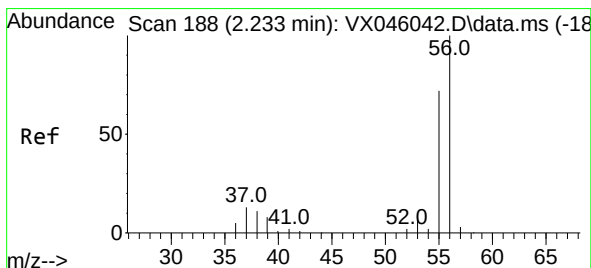
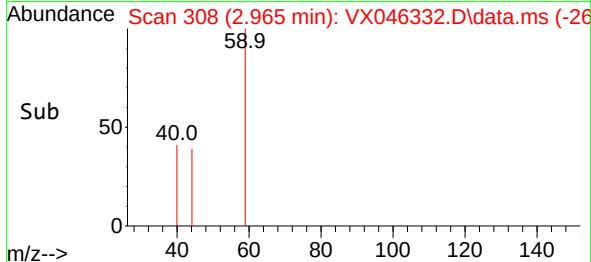
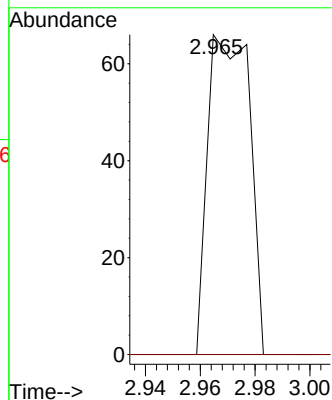
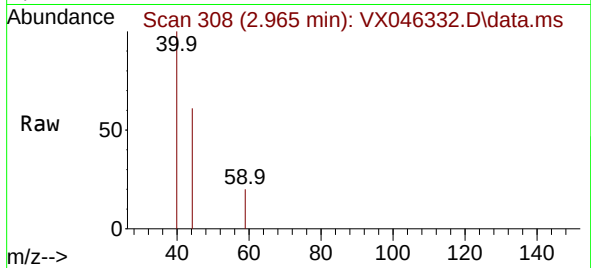




#11
Tert butyl alcohol
Concen: 0.453 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

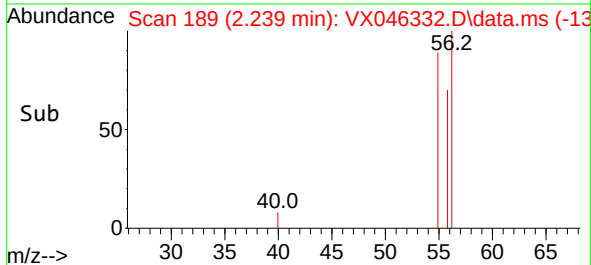
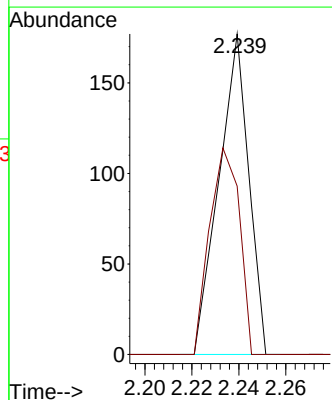
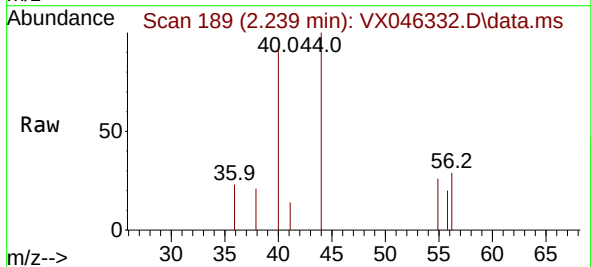
Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

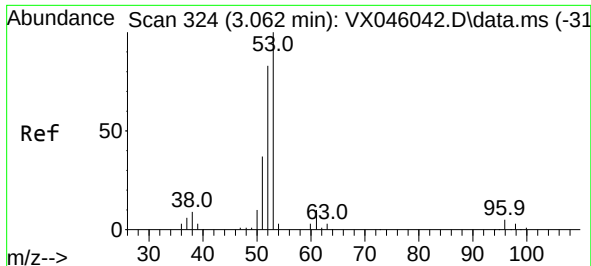
Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.886 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 64.7 56.2 84.4





#15

Acrylonitrile

Concen: 0.586 ug/l

RT: 3.074 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX046332.D

Acq: 23 May 2025 09:53

Instrument :

MSVOA_X

ClientSampleId :

VX0523MBL01

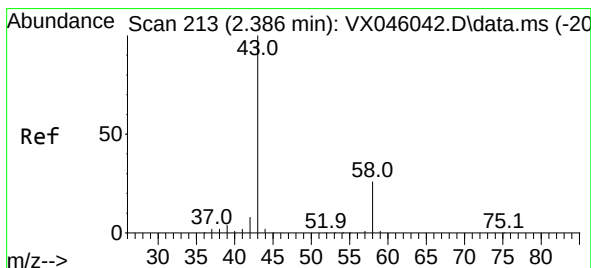
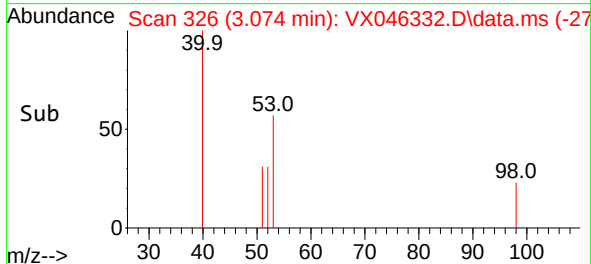
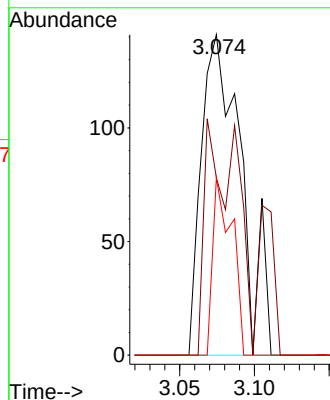
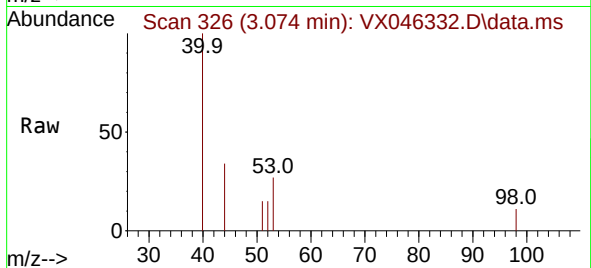
Tgt Ion: 53 Resp: 259

Ion Ratio Lower Upper

53 100

52 58.3 65.3 97.9#

51 27.0 29.8 44.8#



#16

Acetone

Concen: 1.404 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046332.D

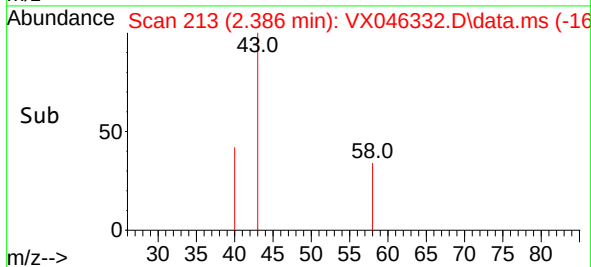
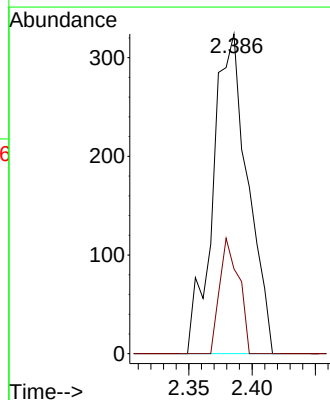
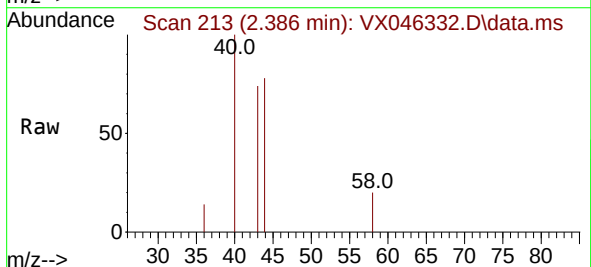
Acq: 23 May 2025 09:53

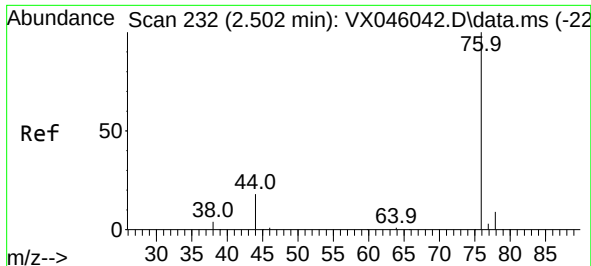
Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 26.5 21.2 31.8

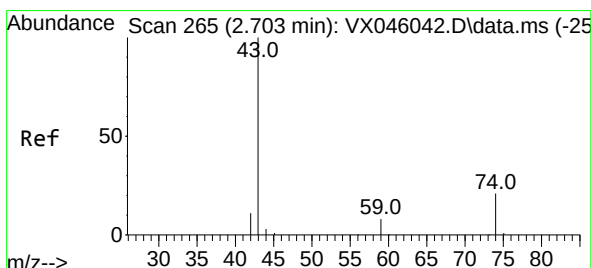
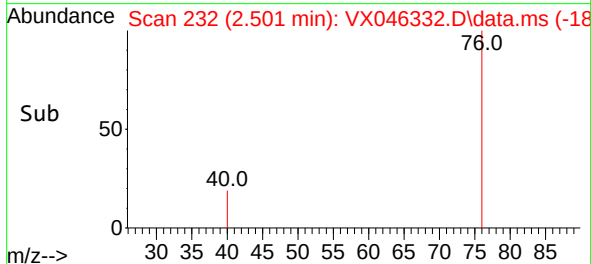
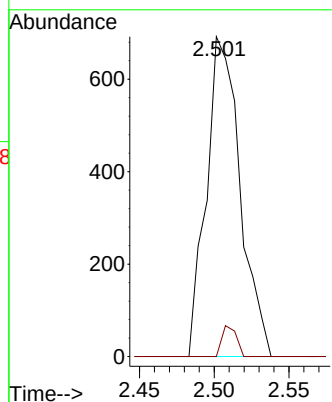
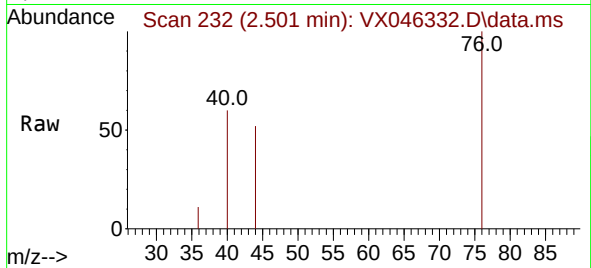




#17
Carbon Disulfide
Concen: 0.652 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

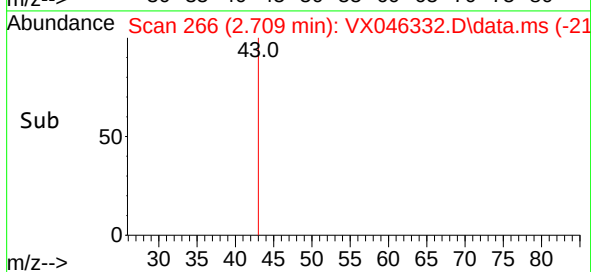
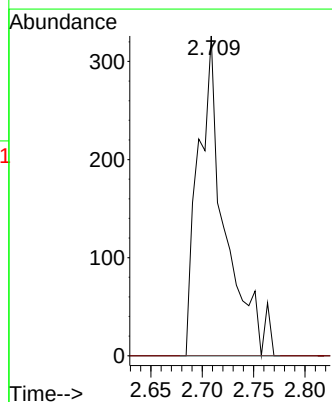
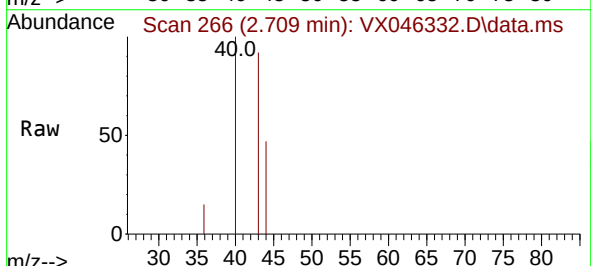
Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

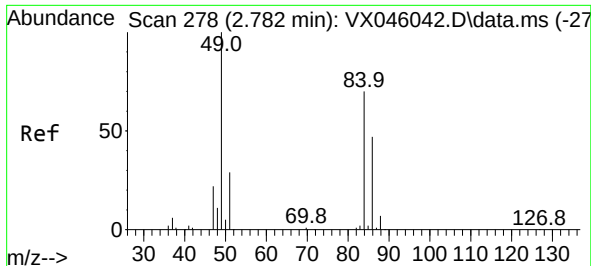
Tgt Ion: 76 Resp: 1083
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.573 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

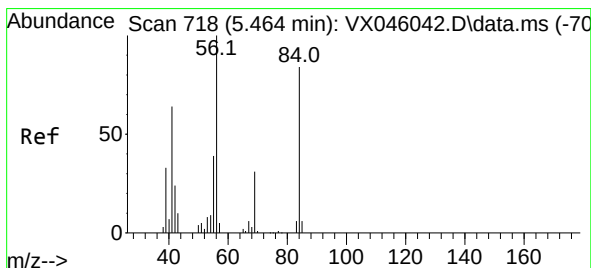
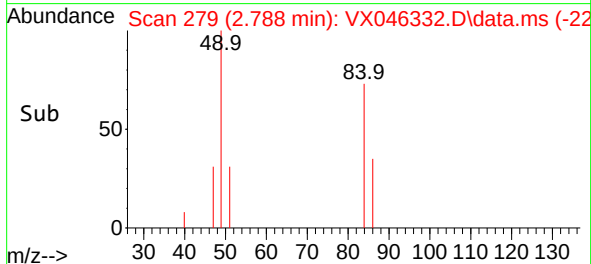
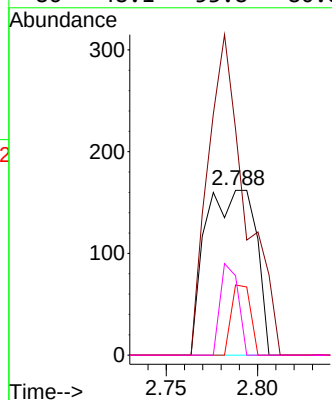
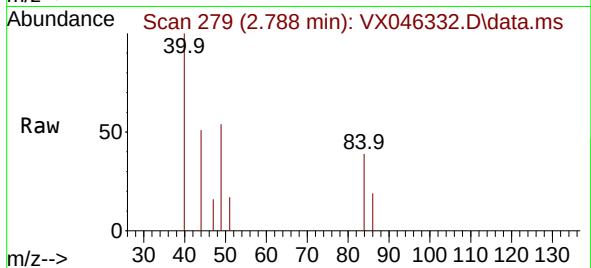




#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

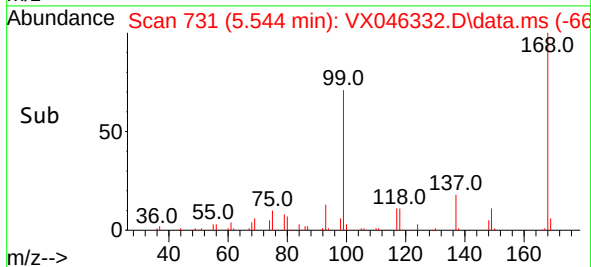
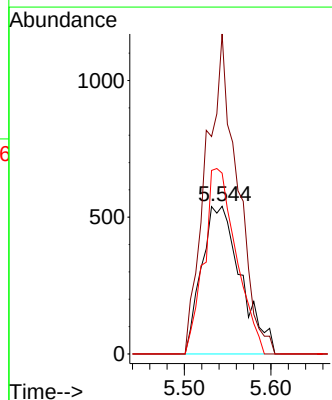
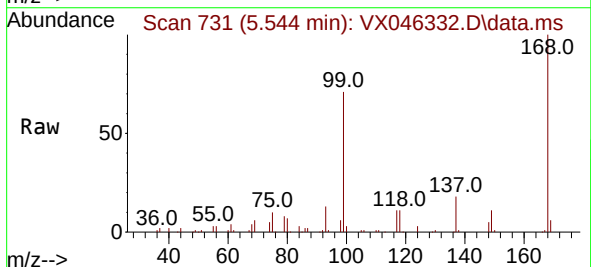
Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

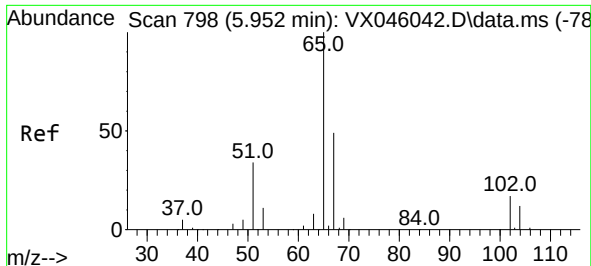
Tgt Ion: 84 Resp: 311
Ion Ratio Lower Upper
84 100
49 137.0 113.9 170.9
51 42.6 33.5 50.3
86 48.1 53.8 80.8#



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 56 Resp: 1702
Ion Ratio Lower Upper
56 100
69 216.7 24.4 36.6#
84 122.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 53.092 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046332.D

Acq: 23 May 2025 09:53

Instrument :

MSVOA_X

ClientSampleId :

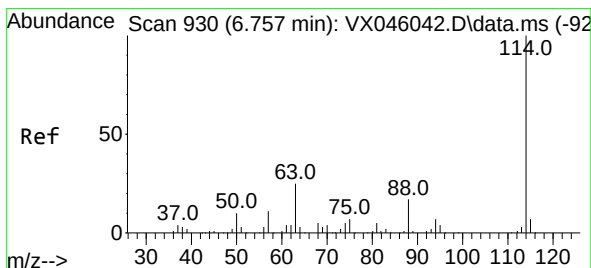
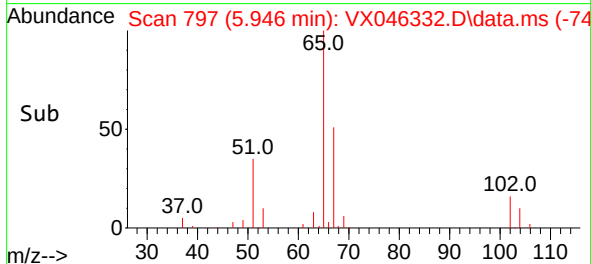
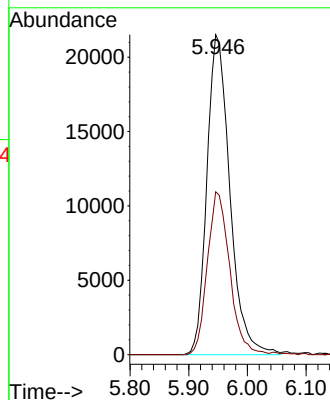
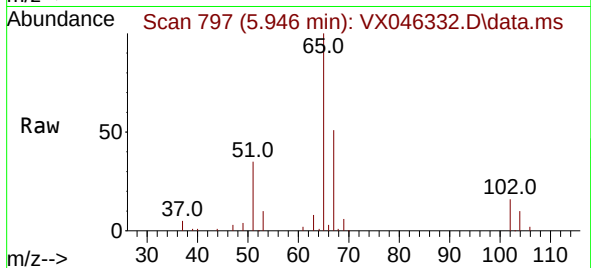
VX0523MBL01

Tgt Ion: 65 Resp: 58472

Ion Ratio Lower Upper

65 100

67 49.5 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: VX046332.D

Acq: 23 May 2025 09:53

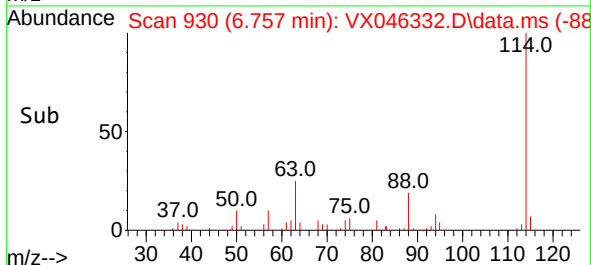
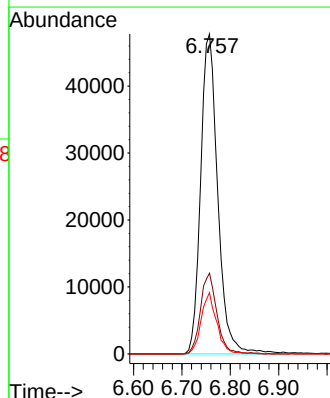
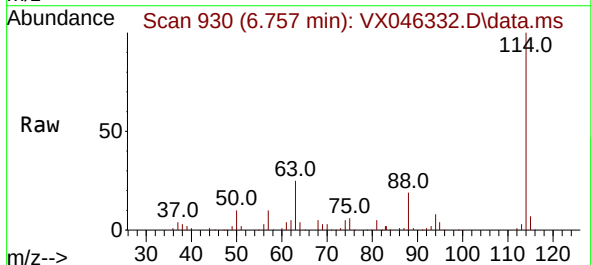
Tgt Ion: 114 Resp: 117281

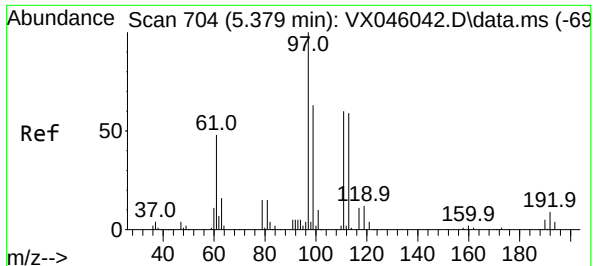
Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

88 19.1 0.0 33.6

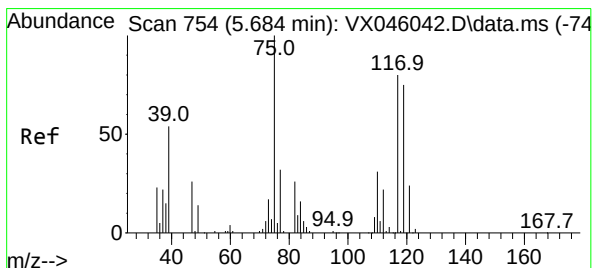
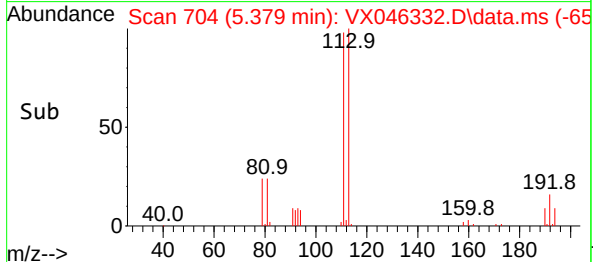
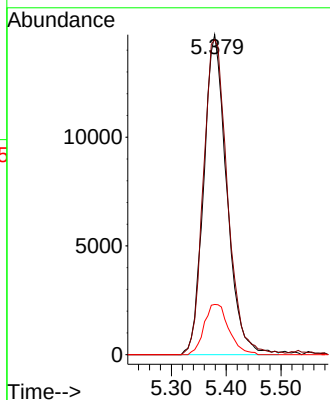
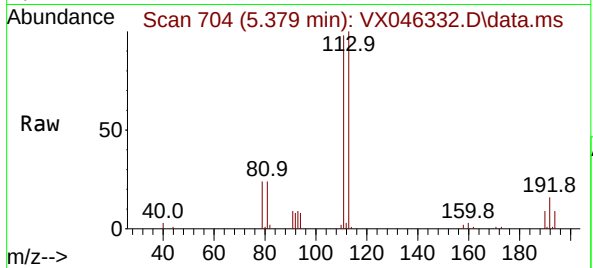




#35
Dibromofluoromethane
Concen: 50.783 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

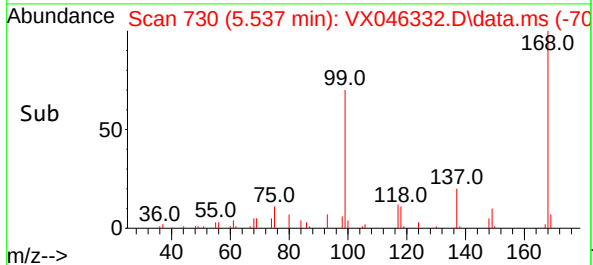
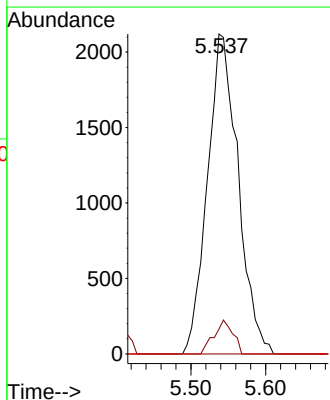
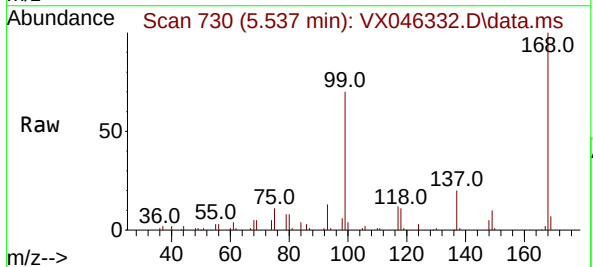
Instrument :
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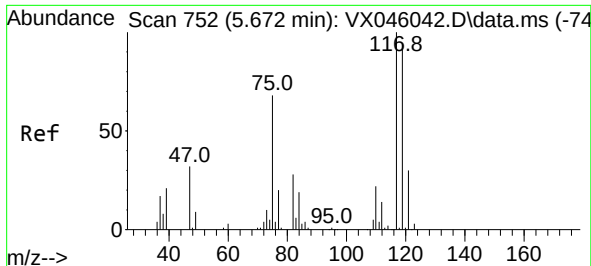
Tgt Ion:	113	Resp:	42889
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	16.9	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.323 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

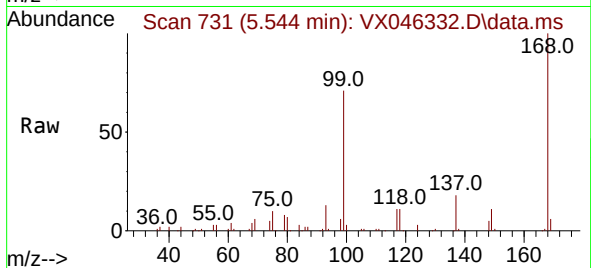
Tgt Ion:	75	Resp:	6040
Ion	Ratio	Lower	Upper
75	100		
110	6.5	16.3	48.9#
77	0.0	24.3	36.5#



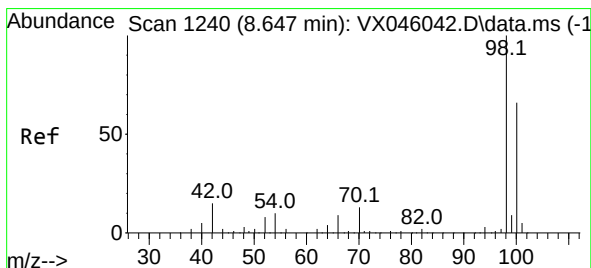
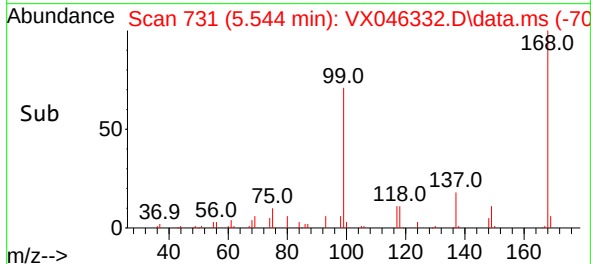
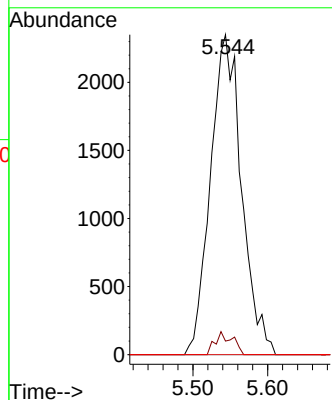


#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

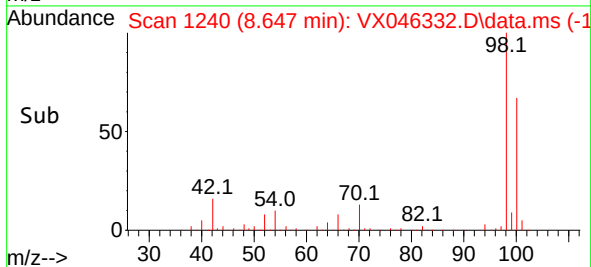
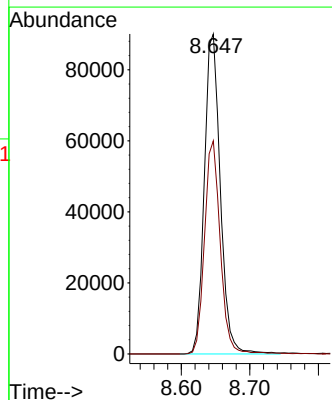
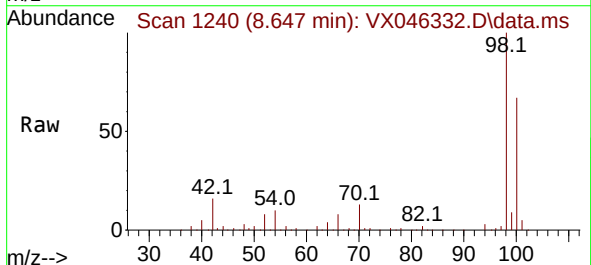


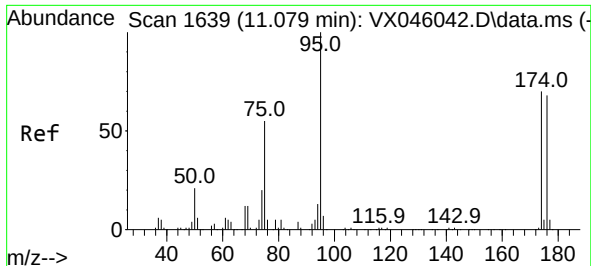
Tgt Ion:117 Resp: 6797
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.989 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 98 Resp: 146121
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3

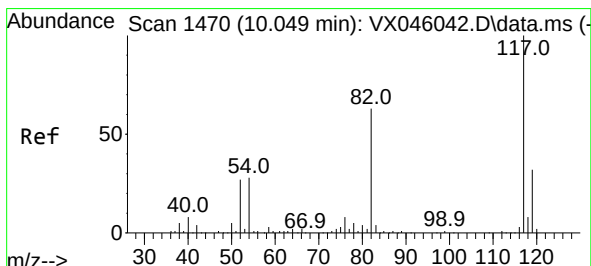
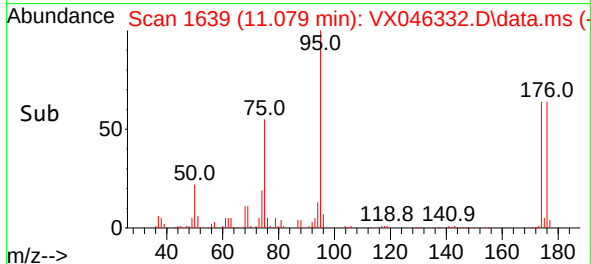
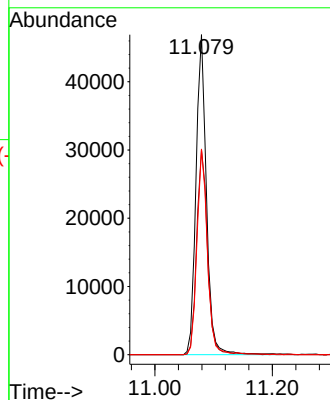
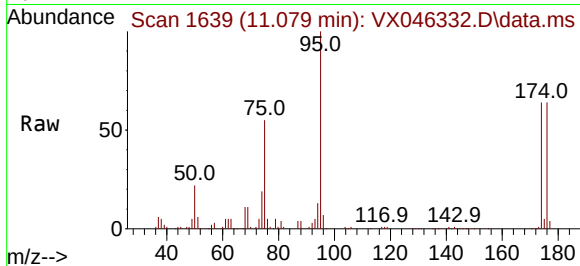




#62
4-Bromofluorobenzene
Concen: 51.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

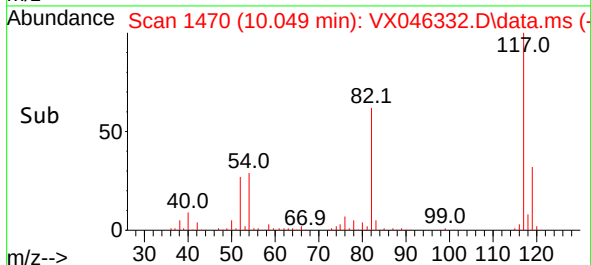
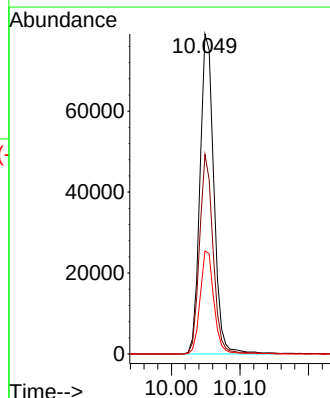
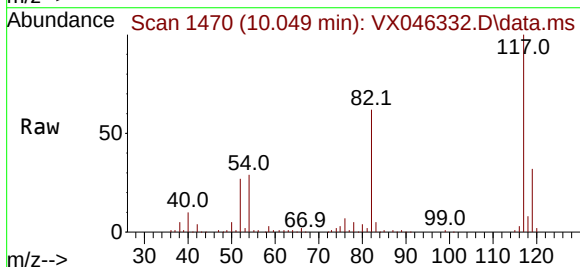
Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

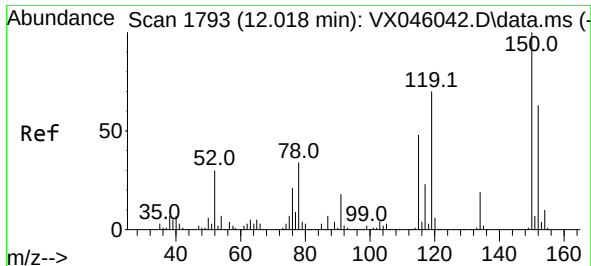
Tgt Ion: 95 Resp: 57871
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 64.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 117 Resp: 111918
Ion Ratio Lower Upper
117 100
82 62.3 50.6 76.0
119 32.2 25.8 38.6

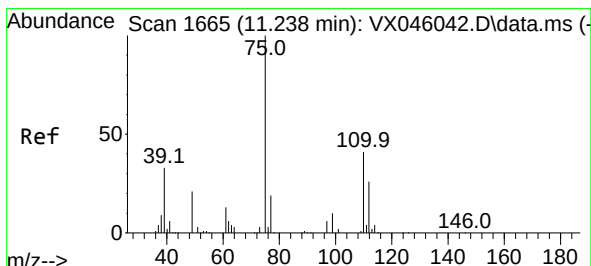
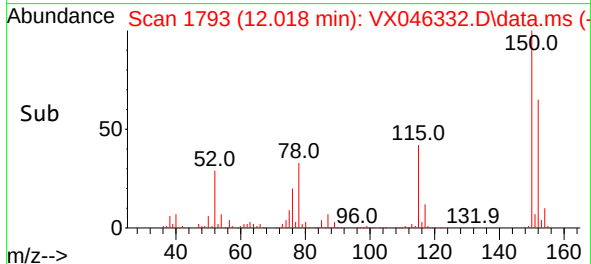
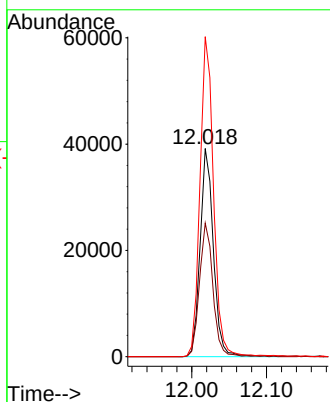
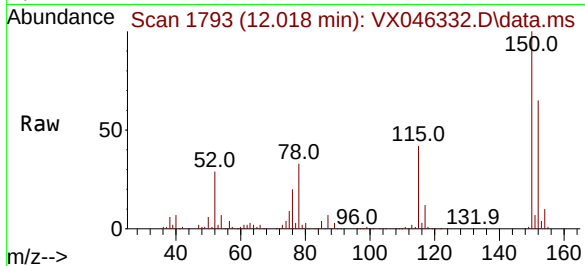




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046332.D
 Acq: 23 May 2025 09:53

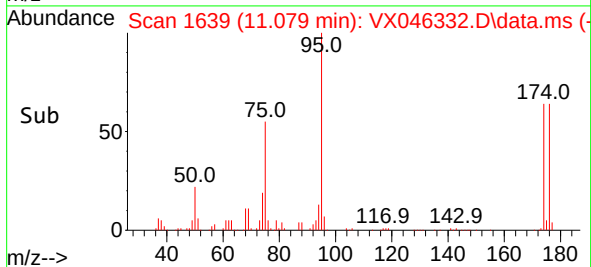
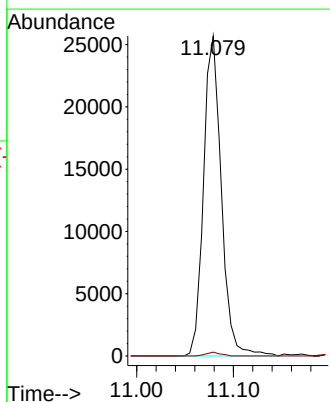
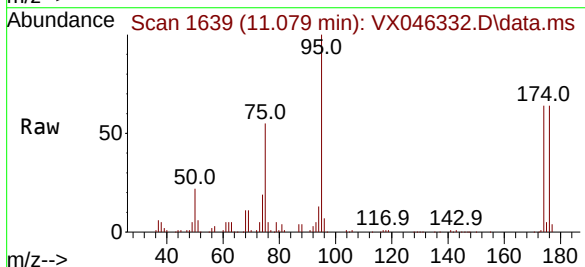
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523MBL01

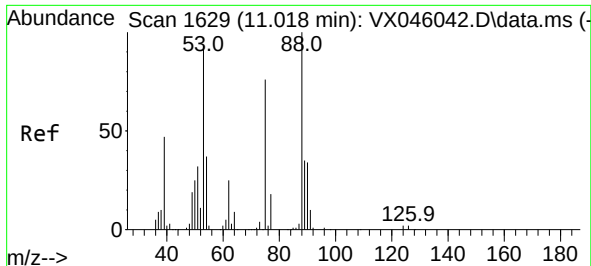
Tgt Ion:152 Resp: 48375
 Ion Ratio Lower Upper
 152 100
 115 65.2 46.9 140.7
 150 157.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.270 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046332.D
 Acq: 23 May 2025 09:53

Tgt Ion: 75 Resp: 32918
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#

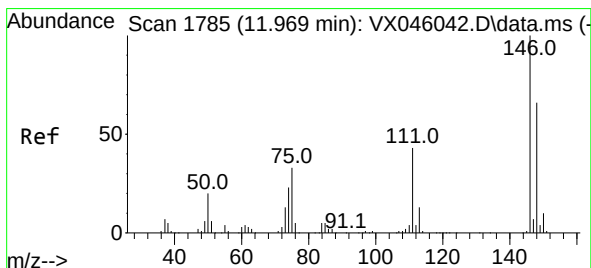
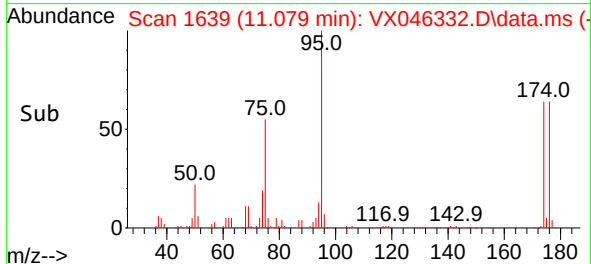
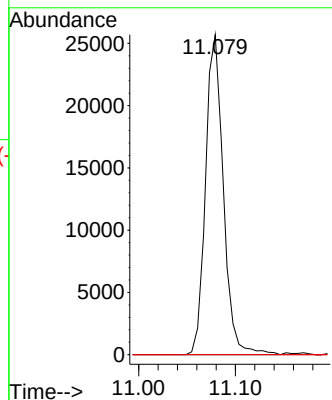
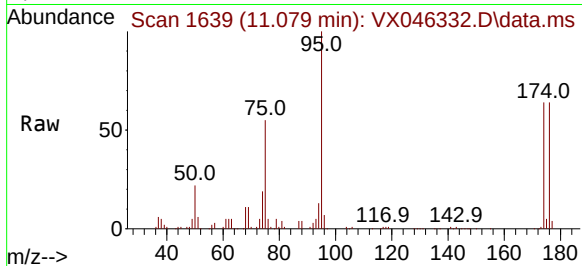




#81
trans-1,4-Dichloro-2-butene
Concen: 92.039 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

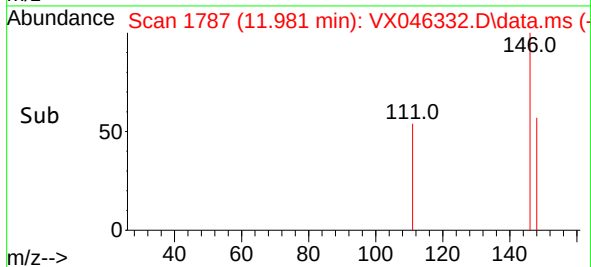
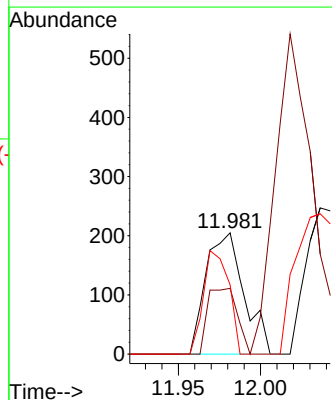
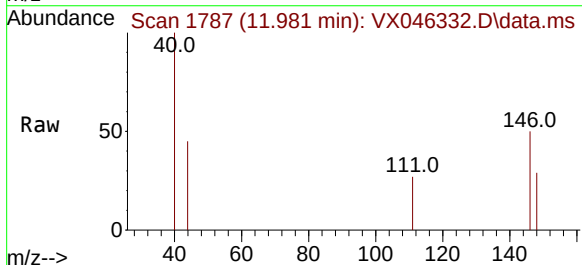
Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

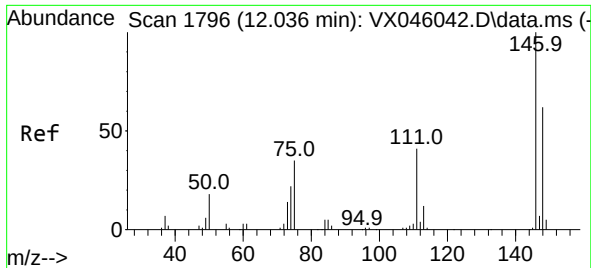
Tgt Ion: 75 Resp: 32918
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.207 ug/l
RT: 11.981 min Scan# 1787
Delta R.T. 0.012 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion:146 Resp: 331
Ion Ratio Lower Upper
146 100
111 42.0 22.1 66.3
148 56.8 32.1 96.5

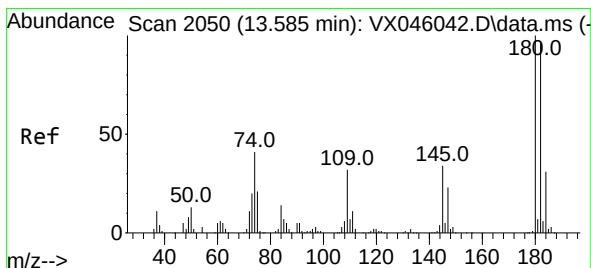
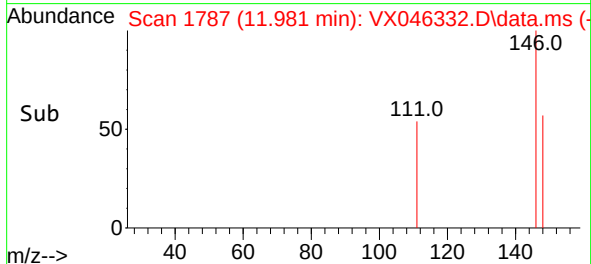
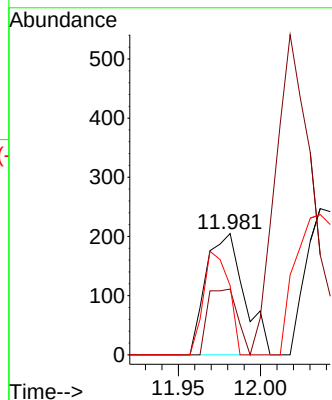
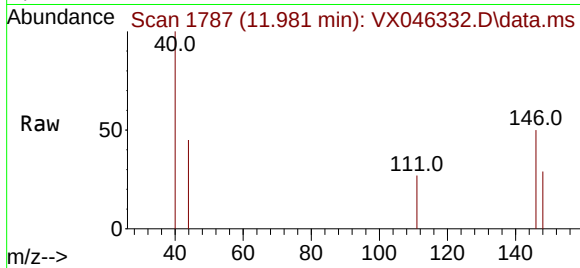




#88
 1,4-Dichlorobenzene
 Concen: 0.203 ug/l
 RT: 11.981 min Scan# 11
 Delta R.T. -0.055 min
 Lab File: VX046332.D
 Acq: 23 May 2025 09:53

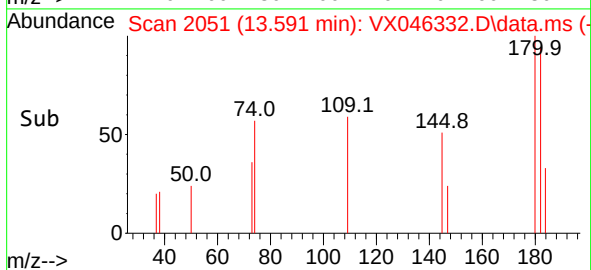
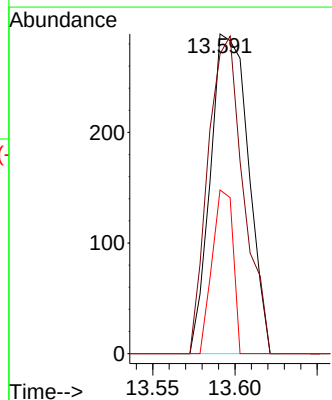
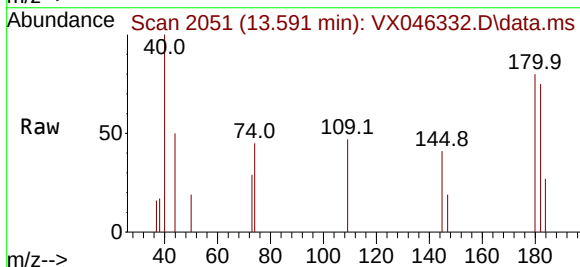
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523MBL01

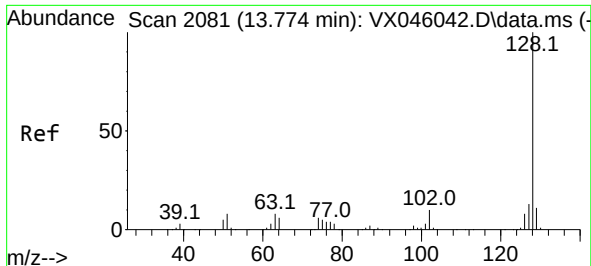
Tgt Ion:146	Resp:	331
Ion	Ratio	Lower Upper
146	100	
111	42.0	21.3 63.9
148	56.8	31.9 95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.504 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX046332.D
 Acq: 23 May 2025 09:53

Tgt Ion:180	Resp:	464
Ion	Ratio	Lower Upper
180	100	
182	92.9	47.9 143.8
145	28.2	17.1 51.2

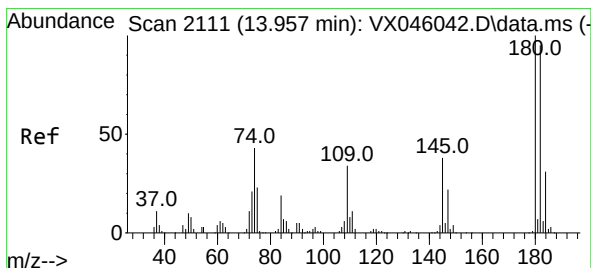
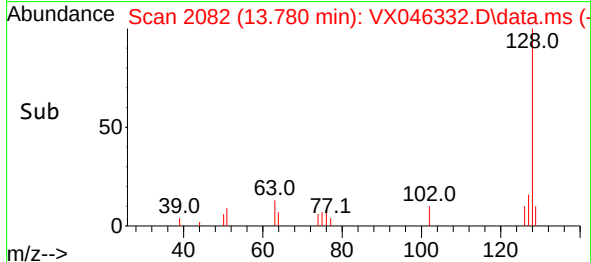
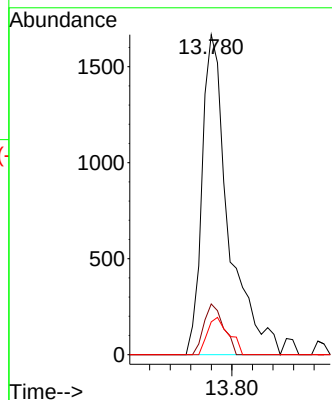
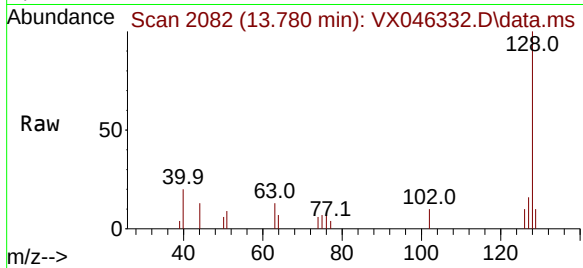




#95
Naphthalene
Concen: 0.883 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

Tgt Ion:128	Resp:	2979
Ion	Ratio	Lower Upper
128	100	
127	11.8	10.4 15.6
129	9.4	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.611 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion:180	Resp:	580
Ion	Ratio	Lower Upper
180	100	
182	100.3	47.8 143.3
145	29.7	18.1 54.3

