

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046489.D
 Acq On : 04 Jun 2025 10:40
 Operator : JC/MD
 Sample : VX0604MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604MBL01

Quant Time: Jun 05 01:37:54 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)

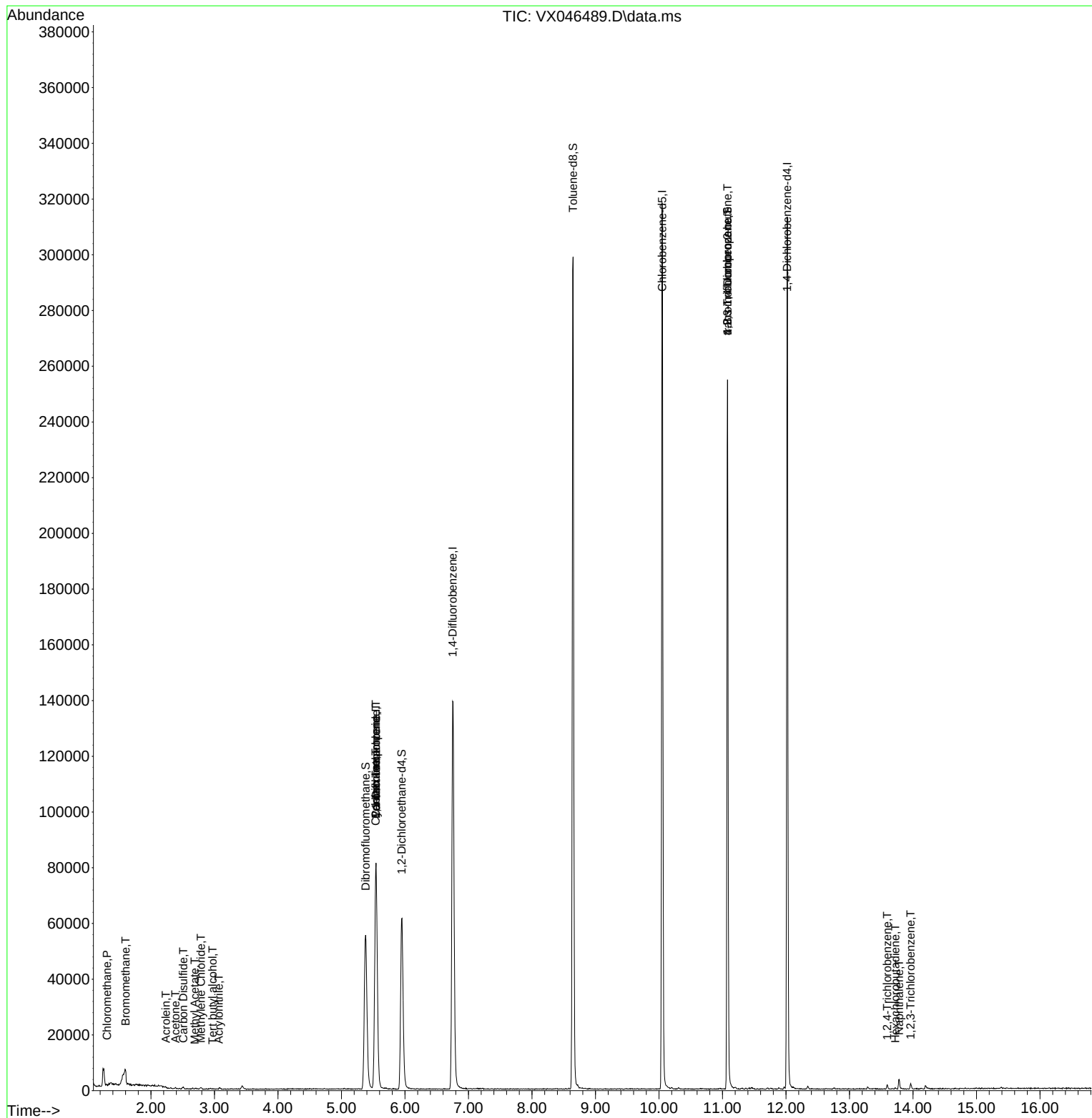
Internal Standards						
1) Pentafluorobenzene	5.544	168	69339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	136541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65100	50.360	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.720%			
35) Dibromofluoromethane	5.379	113	48979	49.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	174477	51.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.540%			
62) 4-Bromofluorobenzene	11.079	95	70377	53.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.820%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	210	0.204	ug/l #	43
5) Bromomethane	1.599	94	240	0.540	ug/l #	70
11) Tert butyl alcohol	2.971	59	76	0.419	ug/l #	72
13) Acrolein	2.233	56	188	0.910	ug/l #	15
15) Acrylonitrile	3.069	53	115	0.222	ug/l #	42
16) Acetone	2.386	43	494	0.953	ug/l	98
17) Carbon Disulfide	2.508	76	949	0.487	ug/l #	76
18) Methyl Acetate	2.691	43	413	0.343	ug/l #	67
20) Methylene Chloride	2.788	84	305	0.307	ug/l #	69
31) Cyclohexane	5.538	56	2045	1.327	ug/l #	2
36) 1,1-Dichloropropene	5.544	75	6817	5.160	ug/l #	47
38) Carbon Tetrachloride	5.544	117	8138	5.483	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	39913	28.143	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39913	91.624	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	525	0.469	ug/l	91
94) Hexachlorobutadiene	13.719	225	138	0.282	ug/l #	63
95) Naphthalene	13.780	128	3258	0.793	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	588	0.509	ug/l	98

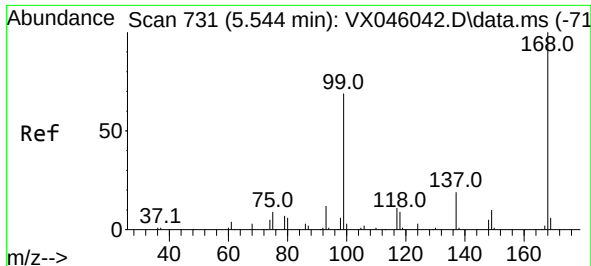
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

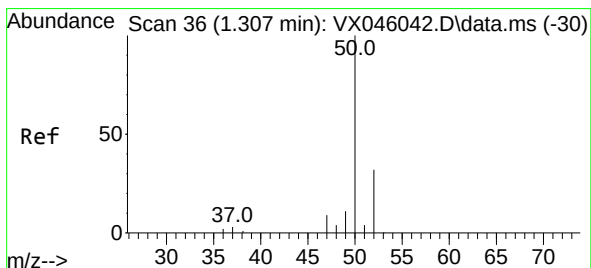
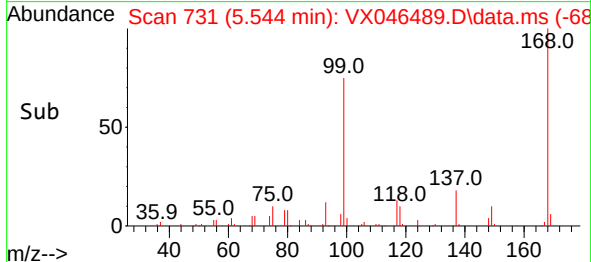
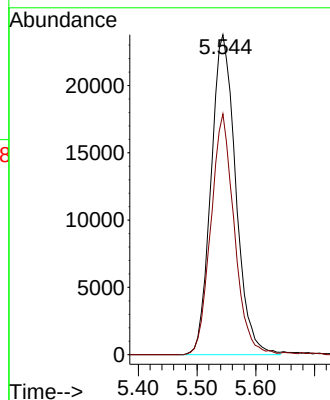
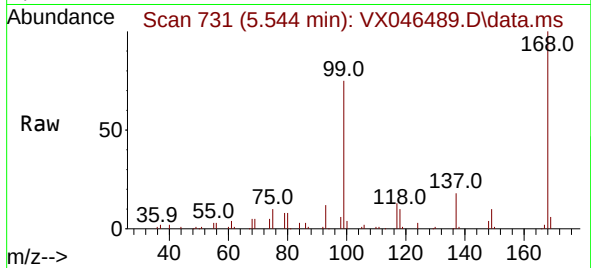




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

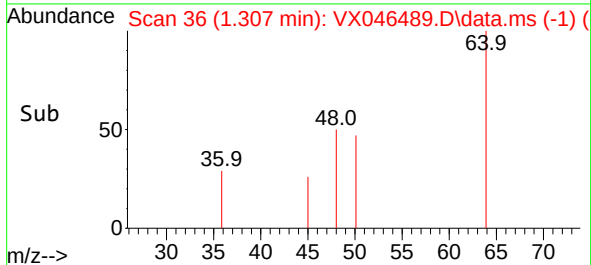
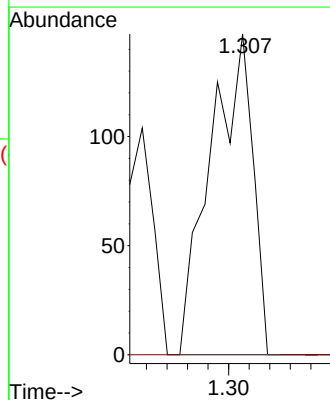
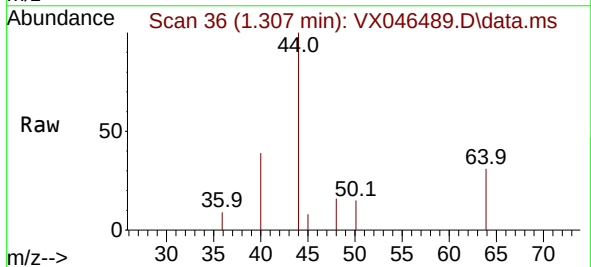
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

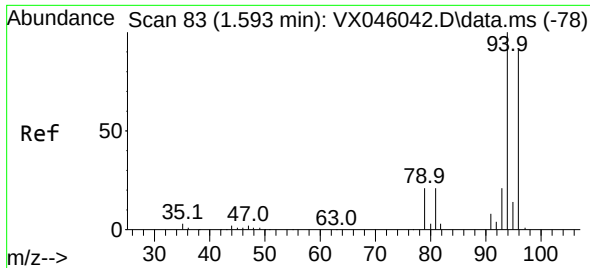
Tgt Ion:168 Resp: 69339
Ion Ratio Lower Upper
168 100
99 75.2 54.9 82.3



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 50 Resp: 210
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

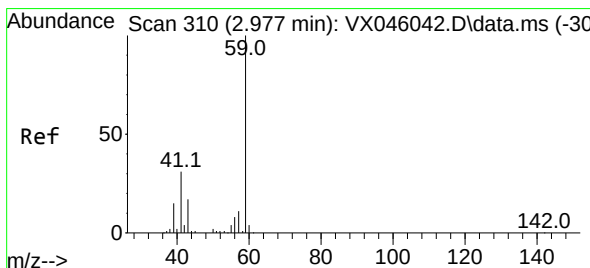
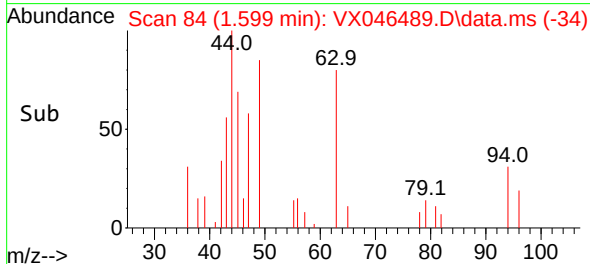
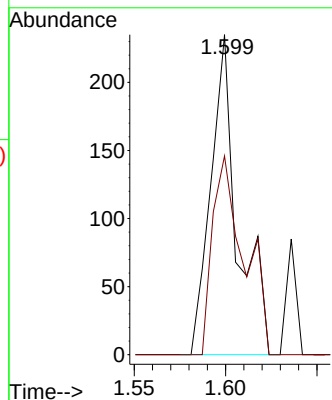
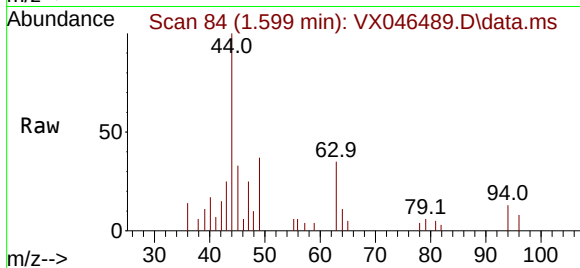




#5
Bromomethane
Concen: 0.540 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

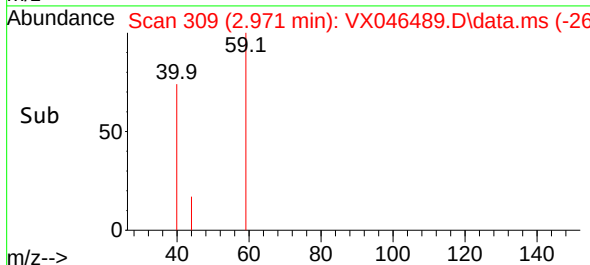
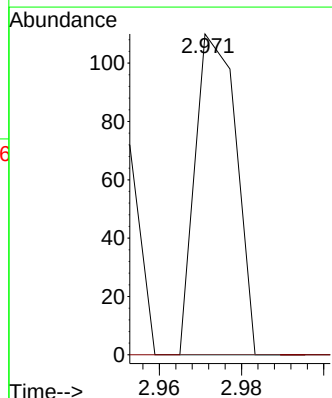
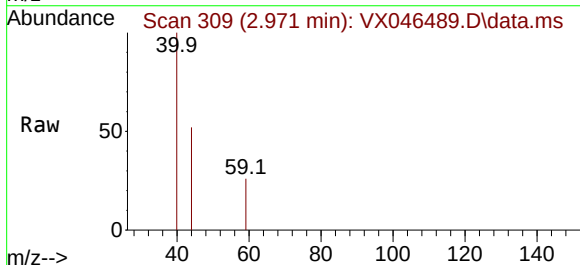
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

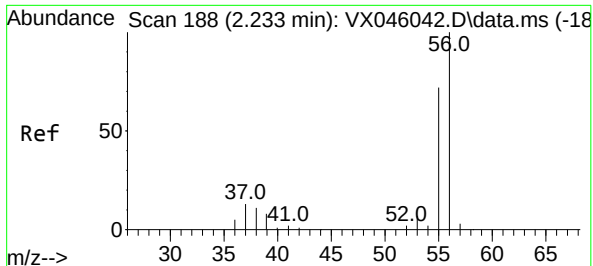
Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 62.1 72.8 109.2#



#11
Tert butyl alcohol
Concen: 0.419 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

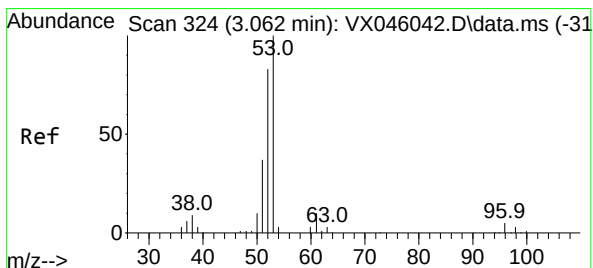
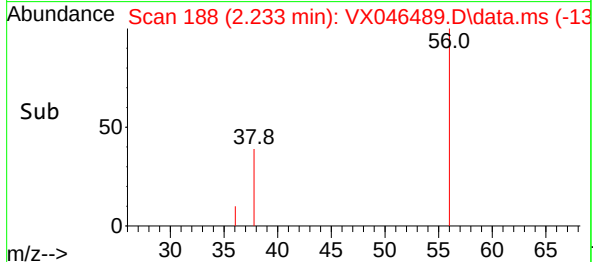
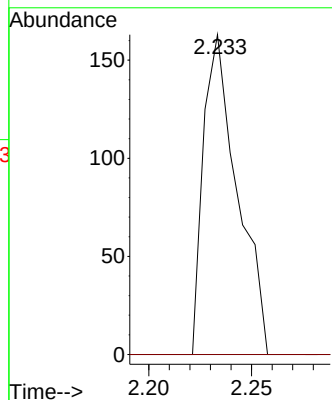
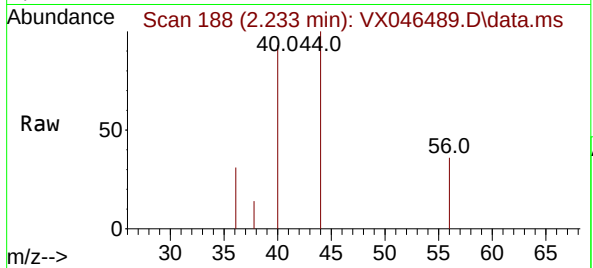




#13
Acrolein
Concen: 0.910 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

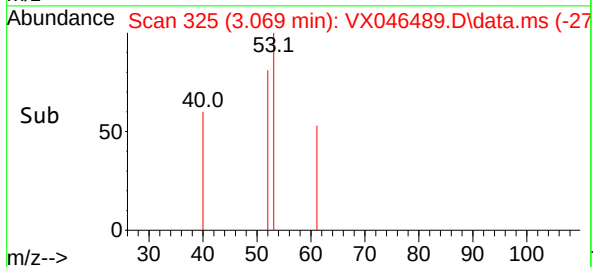
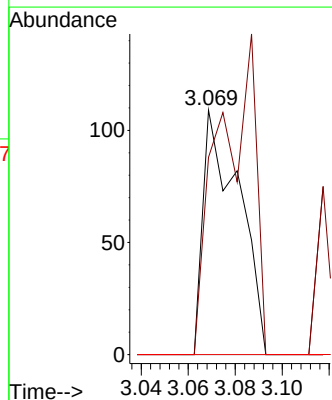
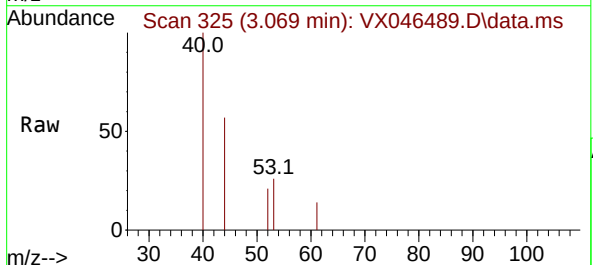
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

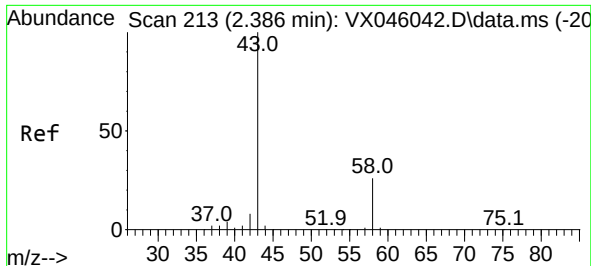
Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#15
Acrylonitrile
Concen: 0.222 ug/l
RT: 3.069 min Scan# 325
Delta R.T. 0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 53 Resp: 115
Ion Ratio Lower Upper
53 100
52 132.2 65.3 97.9#
51 0.0 29.8 44.8#

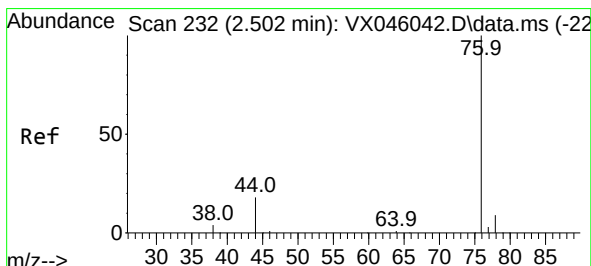
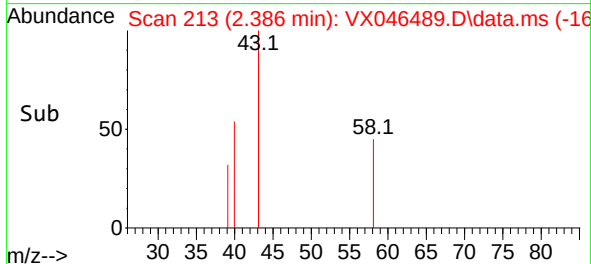
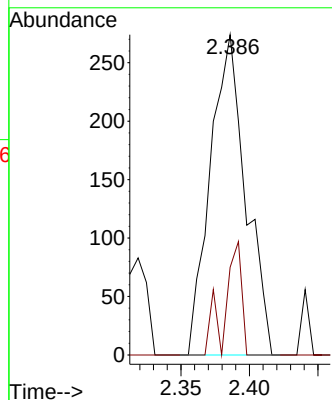
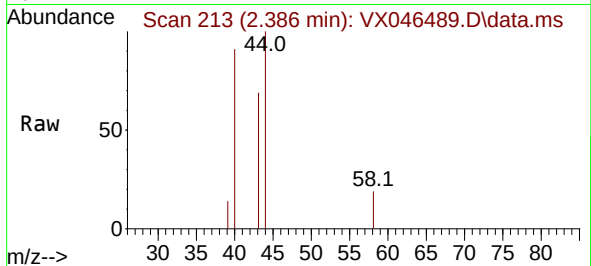




#16
Acetone
Concen: 0.953 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

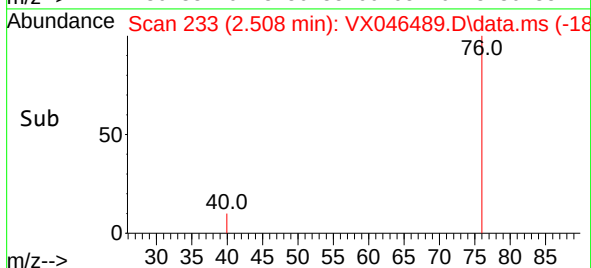
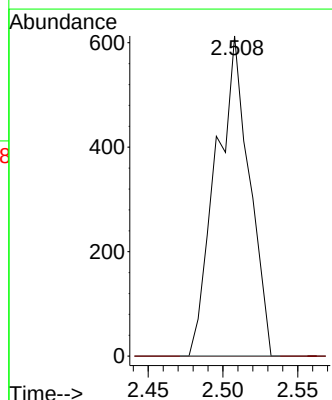
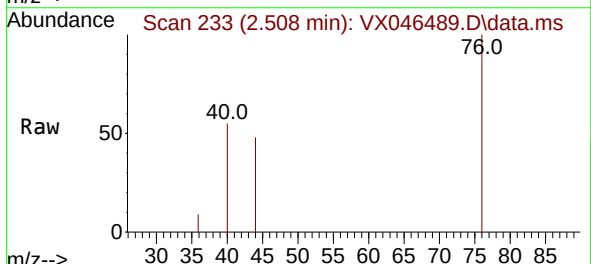
Instrument :
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ClientSampleId :
VX0604MBL01

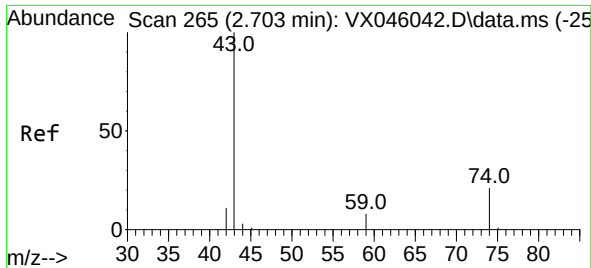
Tgt Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.487 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 76 Resp: 949
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

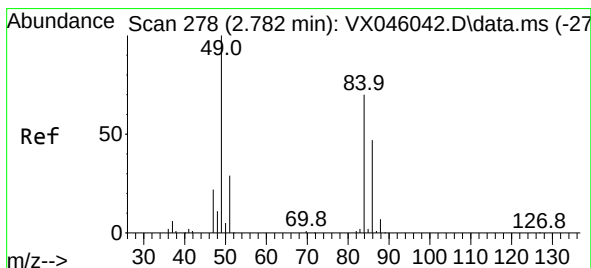
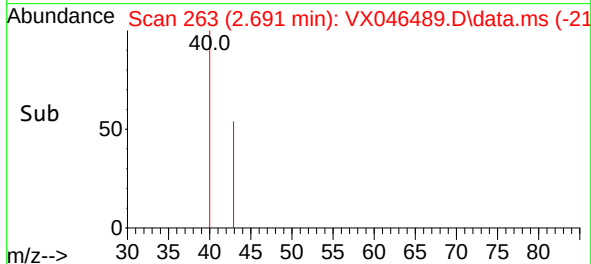
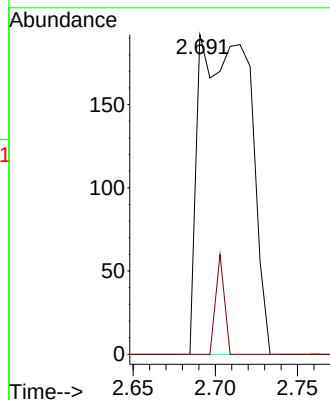
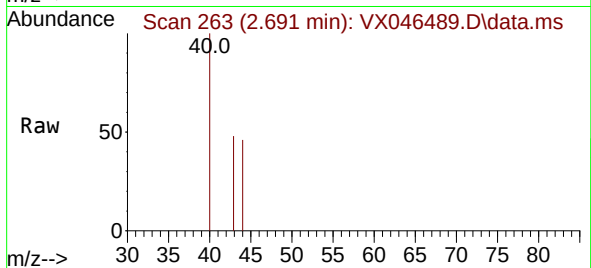




#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 2.691 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

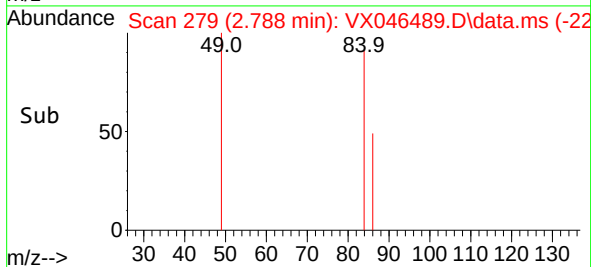
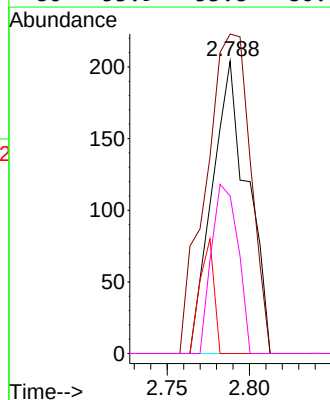
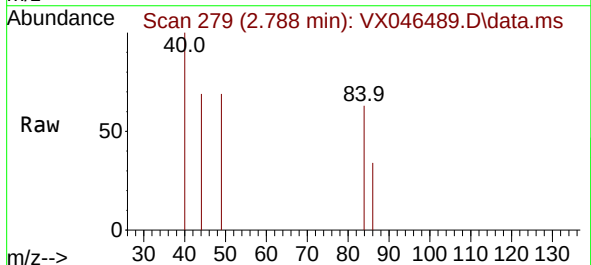
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

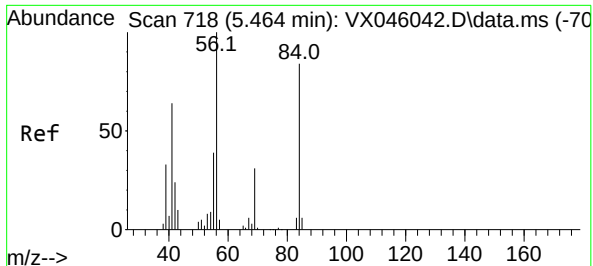
Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
74 5.3 16.7 25.1#



#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 84 Resp: 305
Ion Ratio Lower Upper
84 100
49 109.3 113.9 170.9#
51 0.0 33.5 50.3#
86 53.9 53.8 80.8

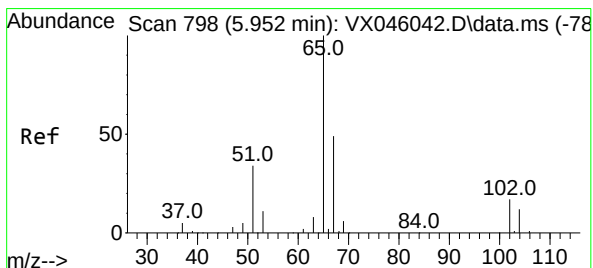
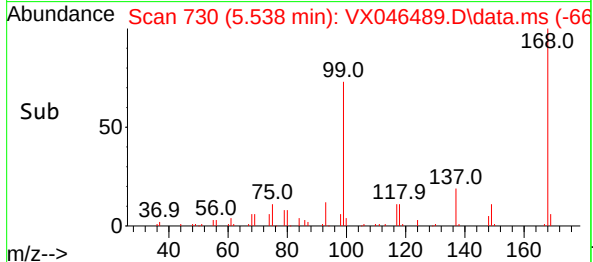
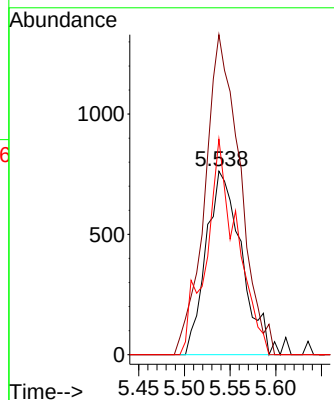
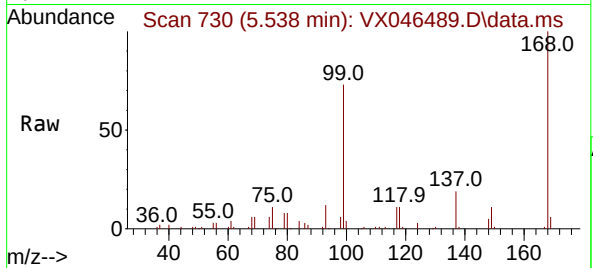




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

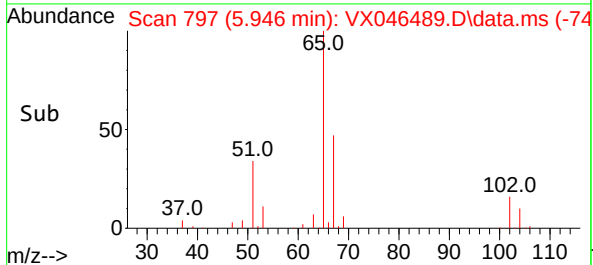
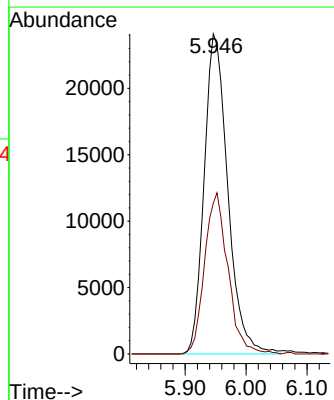
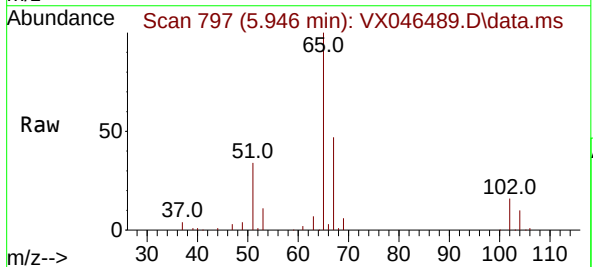
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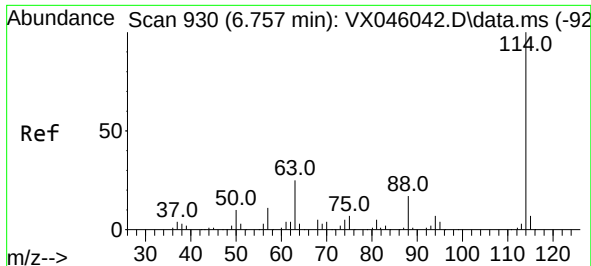
Tgt Ion: 56 Resp: 2045
Ion Ratio Lower Upper
56 100
69 174.3 24.4 36.6#
84 117.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.360 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 65 Resp: 65100
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

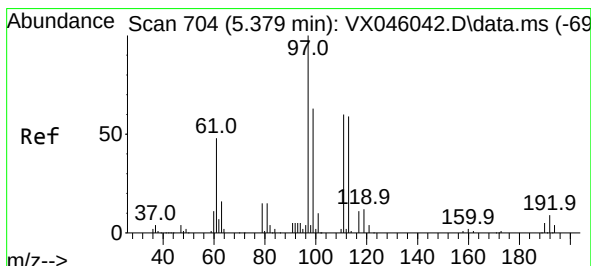
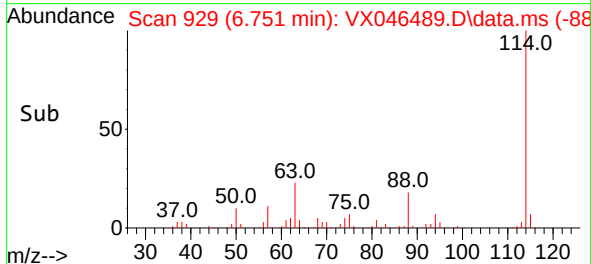
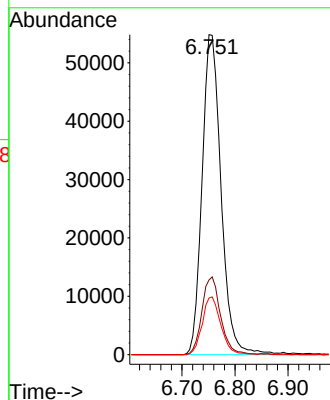
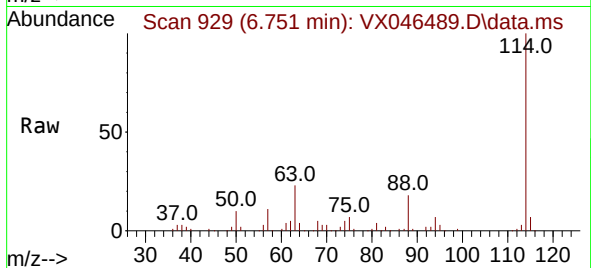




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX046489.D
 Acq: 04 Jun 2025 10:40

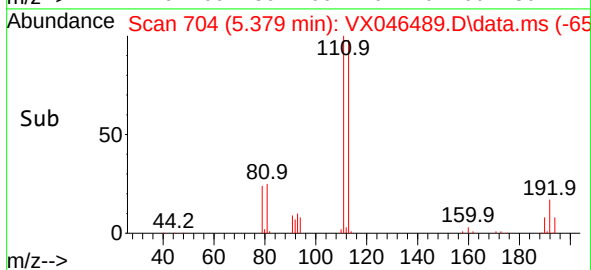
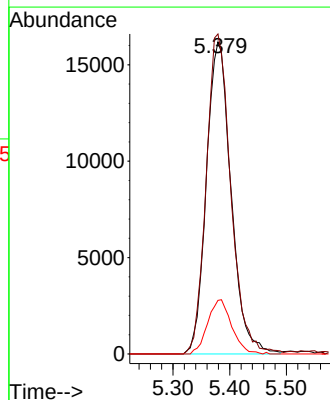
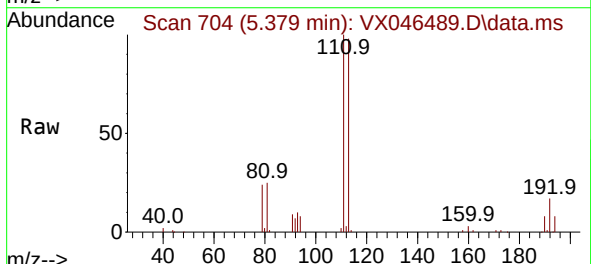
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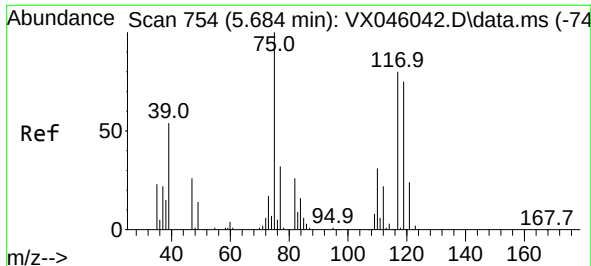
Tgt Ion:114 Resp: 136541
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.2
 88 17.7 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 49.814 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX046489.D
 Acq: 04 Jun 2025 10:40

Tgt Ion:113 Resp: 48979
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.1 124.7
 192 16.9 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.160 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX046489.D

Acq: 04 Jun 2025 10:40

Instrument :

MSVOA_X

ClientSampleId :

VX0604MBL01

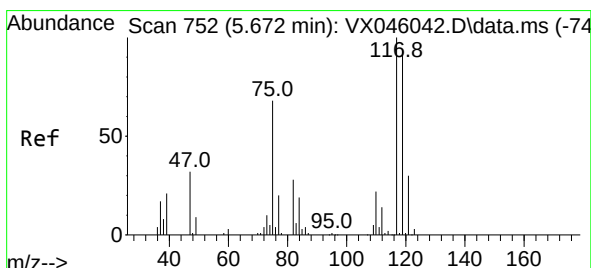
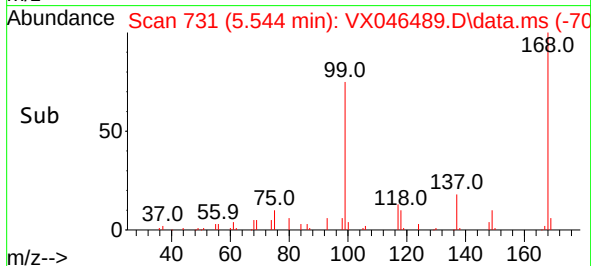
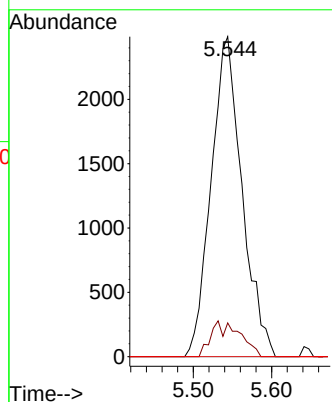
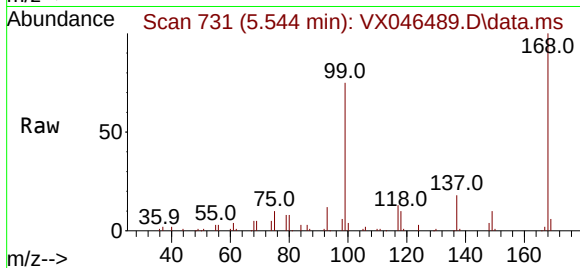
Tgt Ion: 75 Resp: 6817

Ion Ratio Lower Upper

75 100

110 4.5 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.483 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046489.D

Acq: 04 Jun 2025 10:40

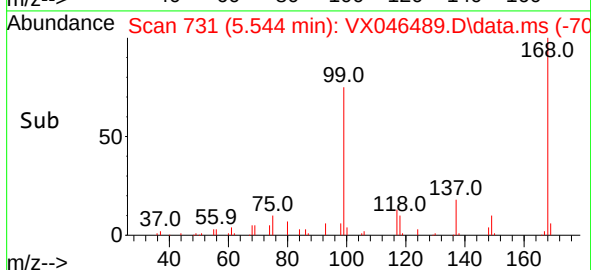
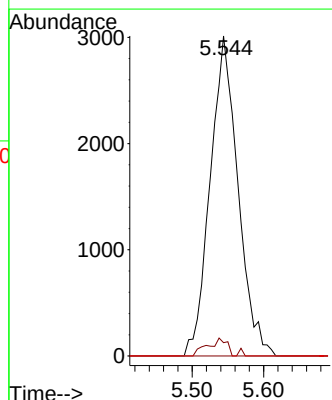
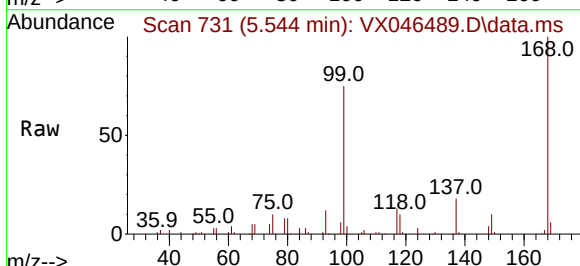
Tgt Ion: 117 Resp: 8138

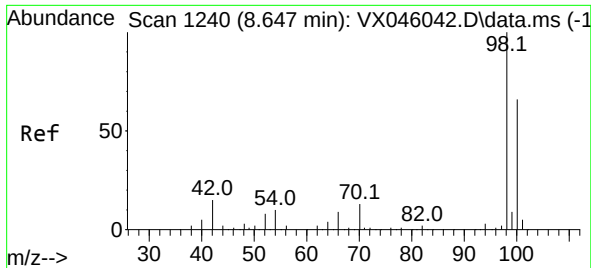
Ion Ratio Lower Upper

117 100

119 4.1 75.2 112.8#

121 0.0 24.2 36.4#

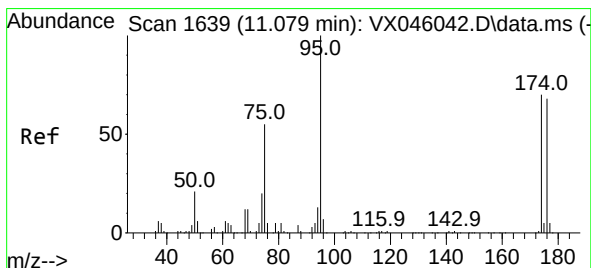
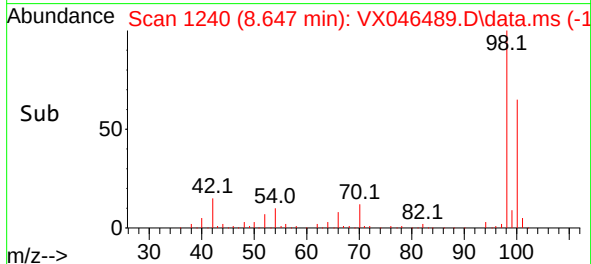
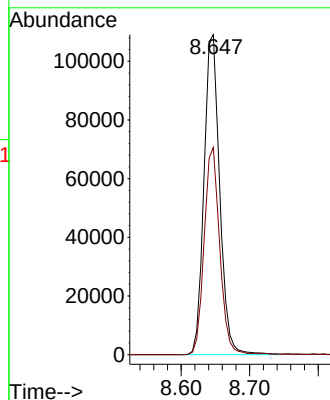
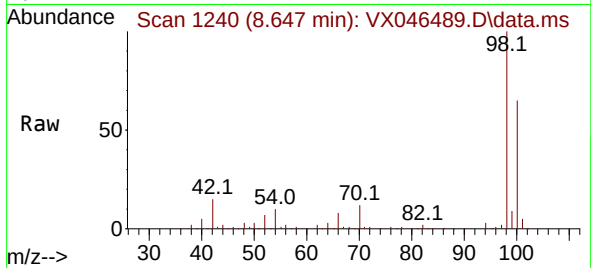




#50
Toluene-d8
Concen: 51.270 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

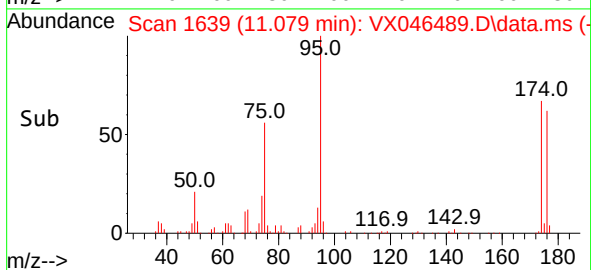
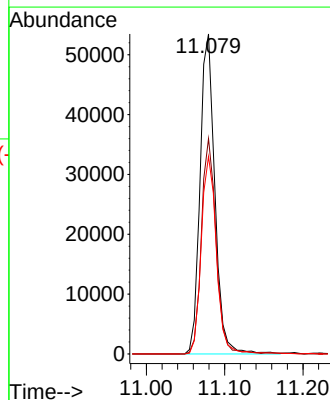
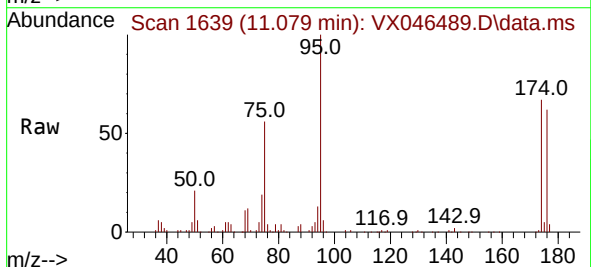
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

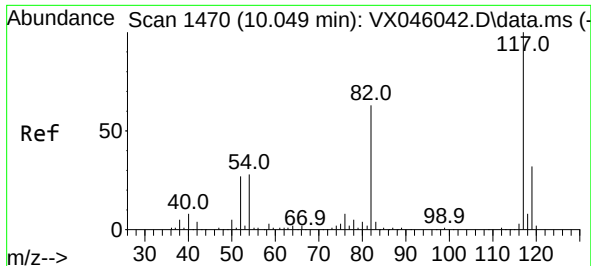
Tgt Ion: 98 Resp: 174477
Ion Ratio Lower Upper
98 100
100 64.5 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 53.913 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 95 Resp: 70377
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.8
176 63.2 0.0 131.4

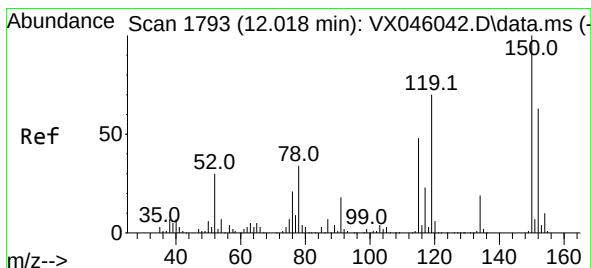
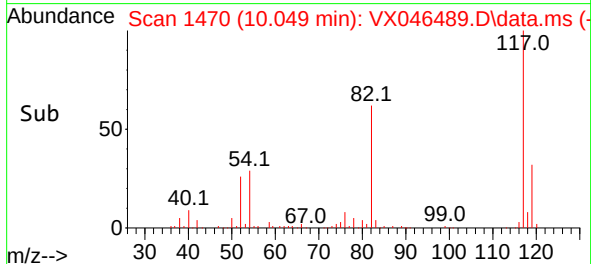
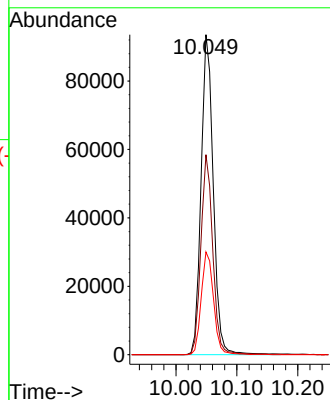
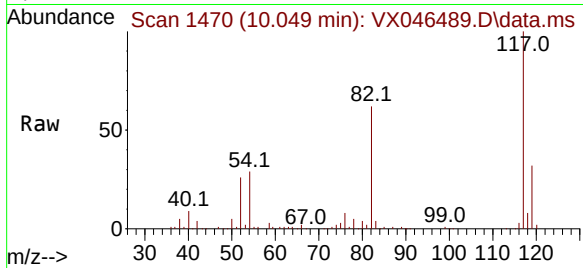




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

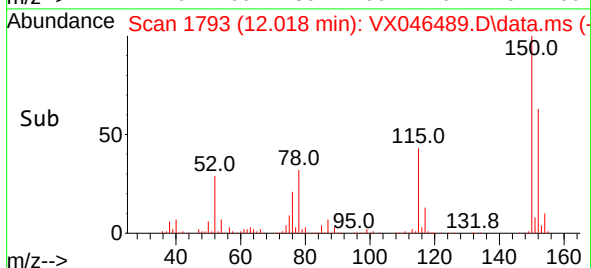
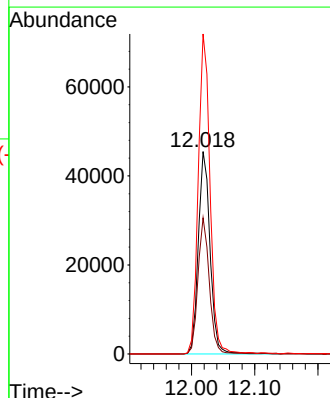
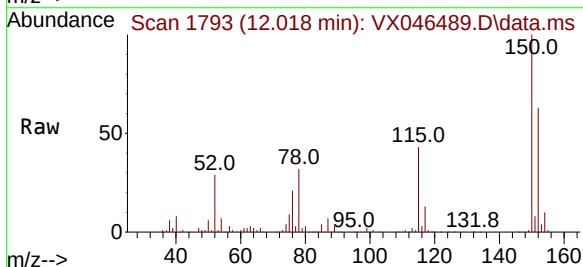
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

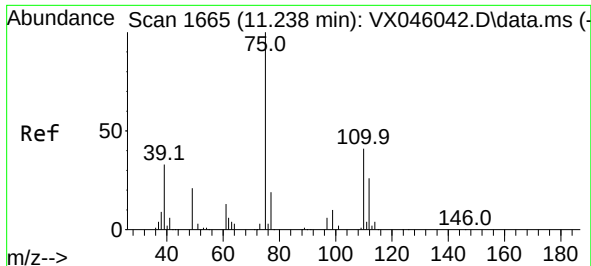
Tgt Ion:117 Resp: 130145
Ion Ratio Lower Upper
117 100
82 62.5 50.6 76.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion:152 Resp: 58920
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 157.9 0.0 351.0

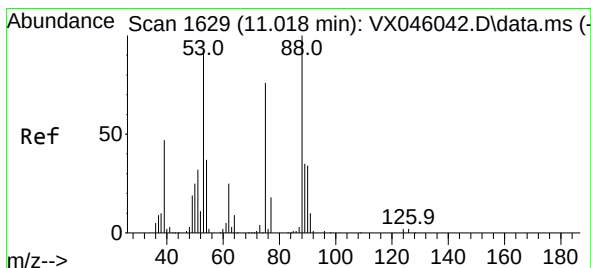
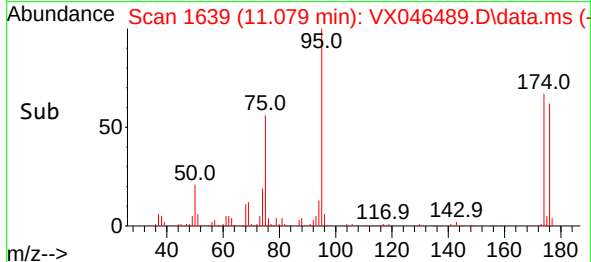
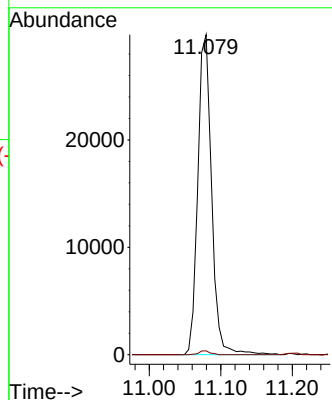
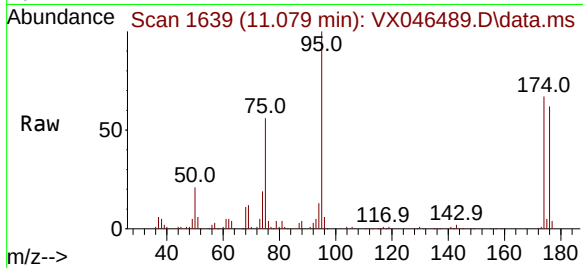




#76
1,2,3-Trichloropropane
Concen: 28.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

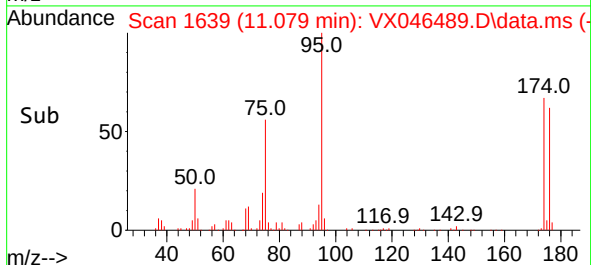
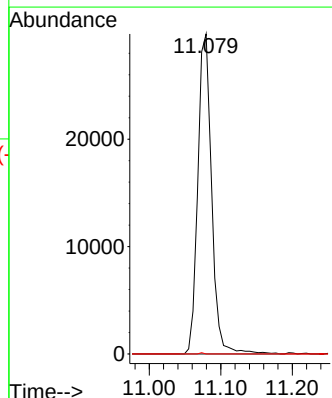
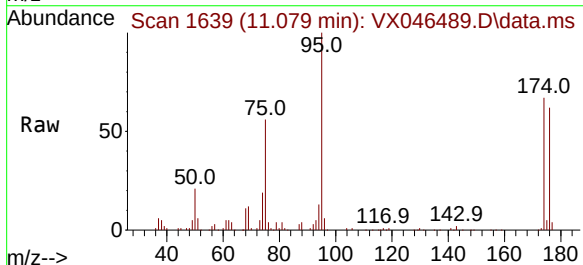
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

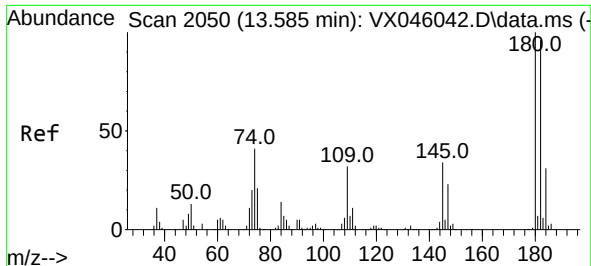
Tgt Ion: 75 Resp: 39913
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.624 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion: 75 Resp: 39913
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#

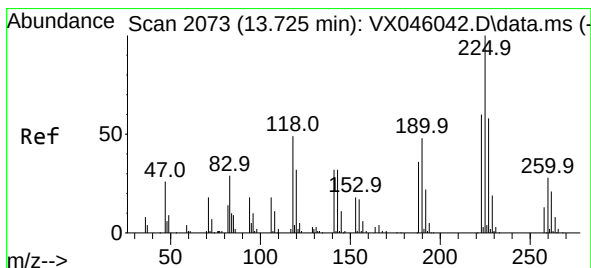
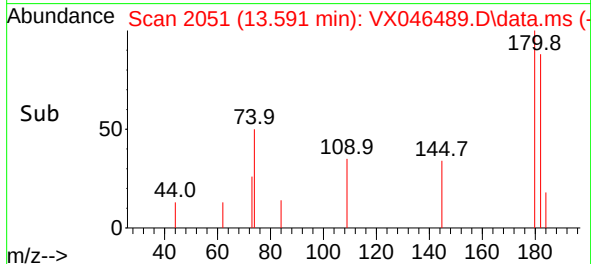
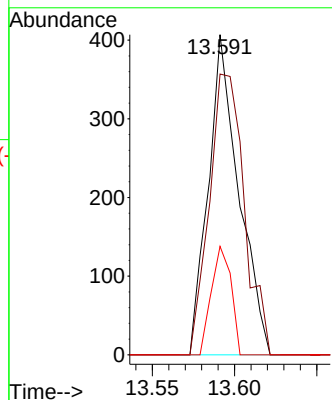
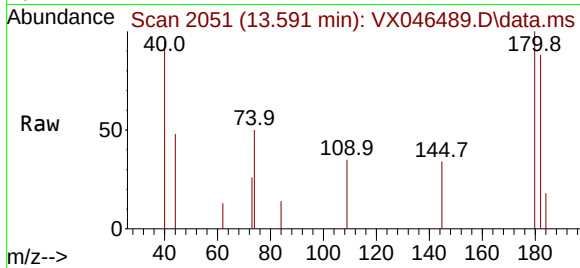




#93
1,2,4-Trichlorobenzene
Concen: 0.469 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

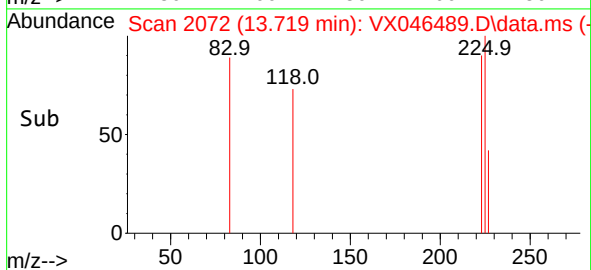
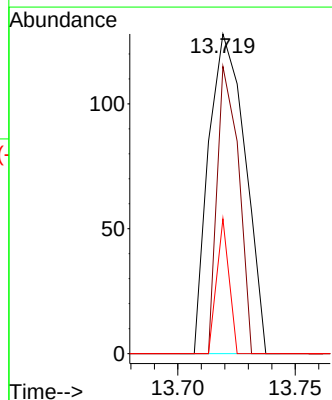
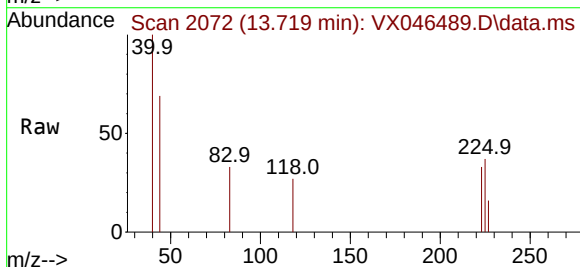
Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

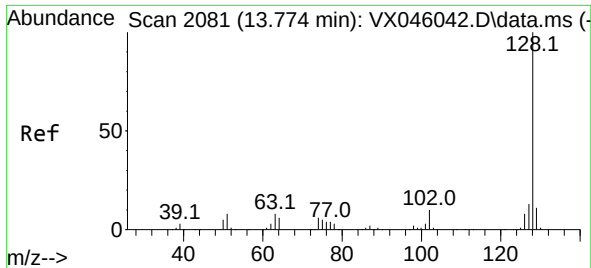
Tgt Ion:180 Resp: 525
Ion Ratio Lower Upper
180 100
182 100.8 47.9 143.8
145 21.9 17.1 51.2



#94
Hexachlorobutadiene
Concen: 0.282 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion:225 Resp: 138
Ion Ratio Lower Upper
225 100
223 52.9 30.8 92.4
227 14.5 30.9 92.7#

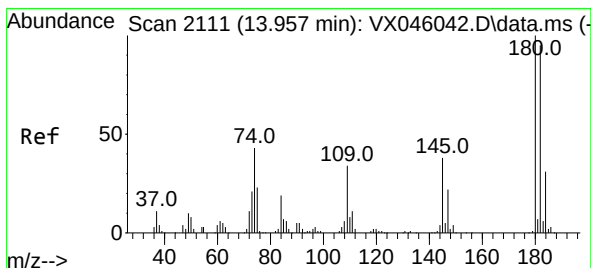
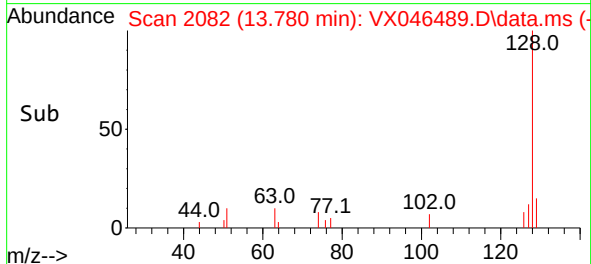
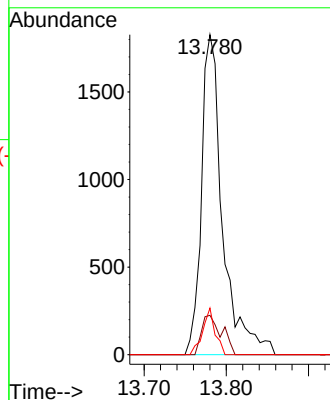
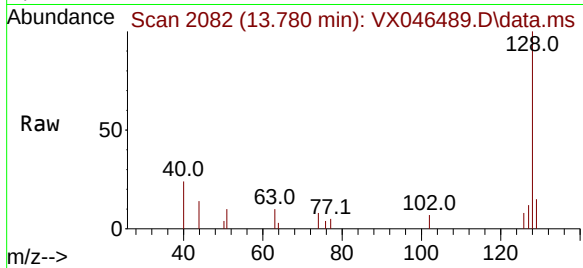




#95
Naphthalene
Concen: 0.793 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Instrument :
MSVOA_X
ClientSampleId :
VX0604MBL01

Tgt Ion:128 Resp: 3258
Ion Ratio Lower Upper
128 100
127 11.7 10.4 15.6
129 8.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.509 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046489.D
Acq: 04 Jun 2025 10:40

Tgt Ion:180 Resp: 588
Ion Ratio Lower Upper
180 100
182 98.3 47.8 143.3
145 36.6 18.1 54.3

