

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046318.D
 Acq On : 22 May 2025 10:50
 Operator : JC/MD
 Sample : PB168116TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168116TB

Quant Time: May 23 01:43:07 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)

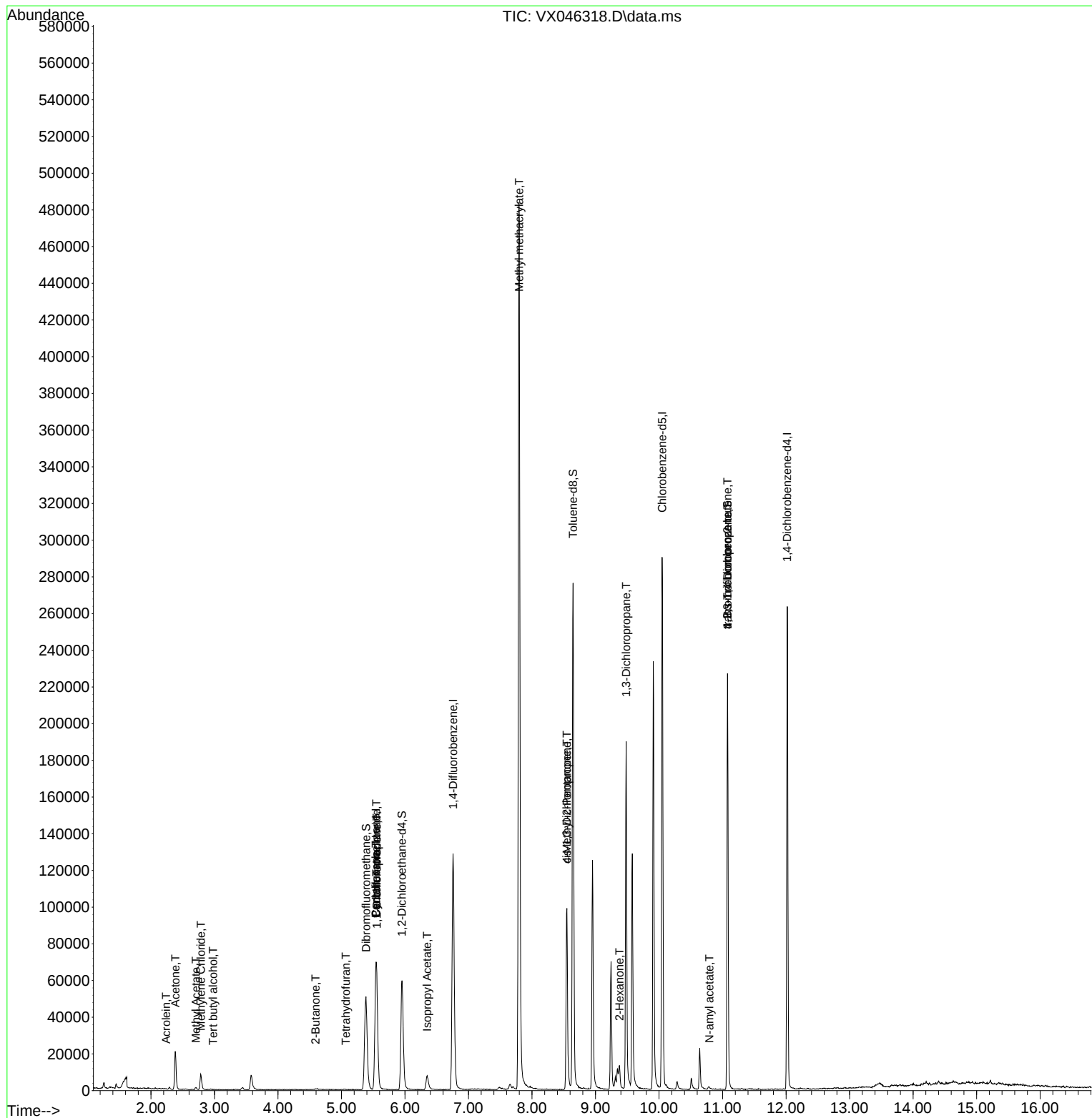
Internal Standards						
1) Pentafluorobenzene	5.544	168	60754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121310	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61378	54.190	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.380%	
35) Dibromofluoromethane	5.385	113	44102	50.485	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.980%	
50) Toluene-d8	8.647	98	156431	51.738	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.480%	
62) 4-Bromofluorobenzene	11.079	95	60251	51.951	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	308	1.937	ug/l #	72
13) Acrolein	2.239	56	41	0.226	ug/l #	15
16) Acetone	2.386	43	23764	52.328	ug/l	99
18) Methyl Acetate	2.709	43	1687	1.601	ug/l #	90
20) Methylene Chloride	2.788	84	3836	4.408	ug/l #	85
25) 2-Butanone	4.593	43	515	0.781	ug/l #	53
29) Tetrahydrofuran	5.068	42	193	0.467	ug/l #	43
31) Cyclohexane	5.544	56	1822	1.350	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	6042	5.148	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7349	5.573	ug/l #	16
43) Isopropyl Acetate	6.348	43	11172	5.050	ug/l	98
48) Methyl methacrylate	7.799	41	48016	42.499	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	38645	26.317	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15189	11.643	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1656	1.109	ug/l #	42
59) 2-Hexanone	9.378	43	12459	11.468	ug/l #	28
74) N-amyl acetate	10.793	43	1062	0.573	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	34646	29.865	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34646	97.232	ug/l #	1

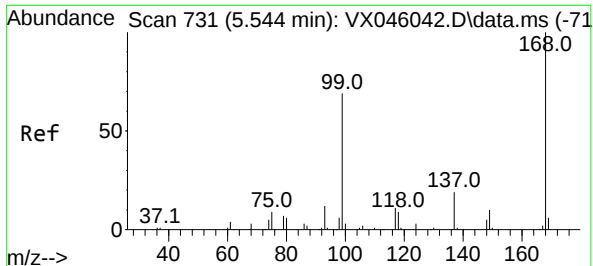
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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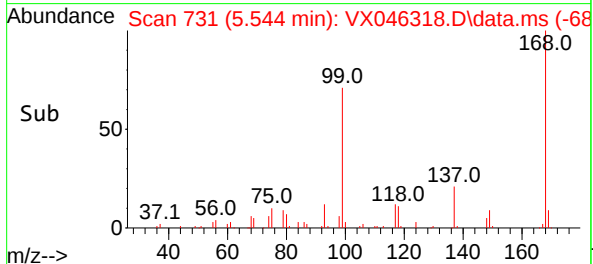
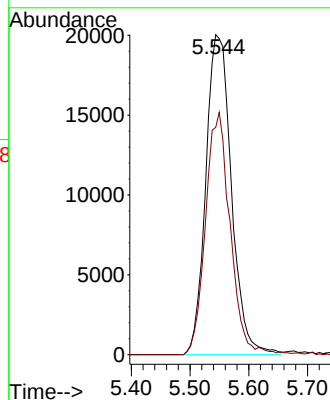
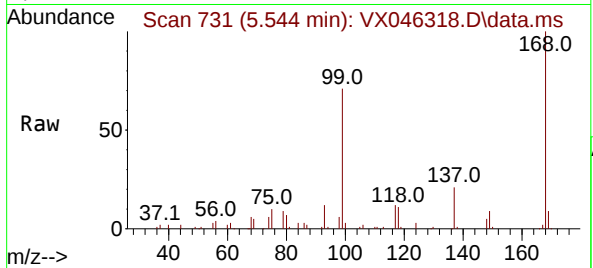




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

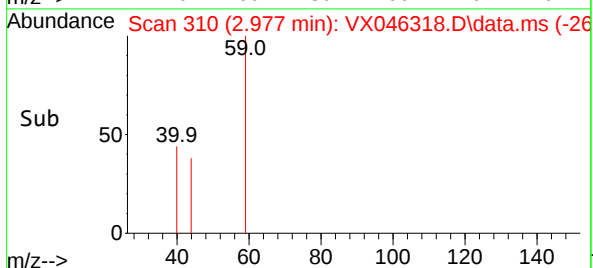
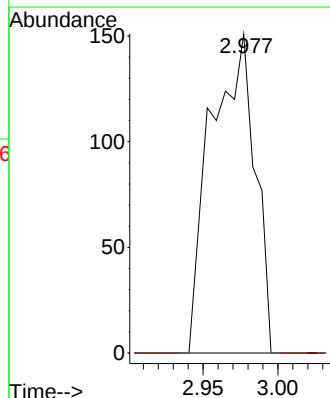
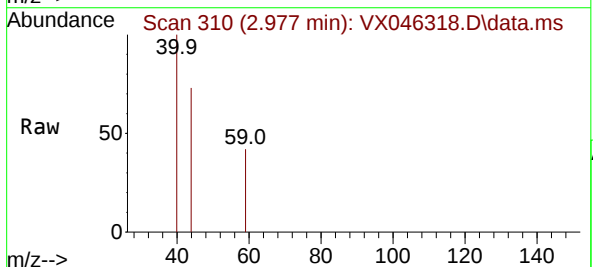
Instrument :
MSVOA_X
ClientSampleId :
PB168116TB

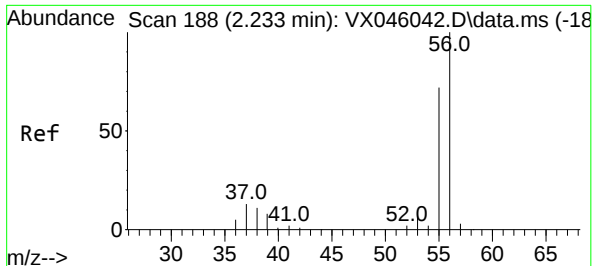
Tgt Ion:168 Resp: 60754
Ion Ratio Lower Upper
168 100
99 71.0 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.937 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

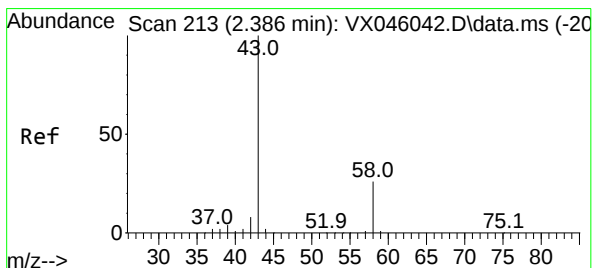
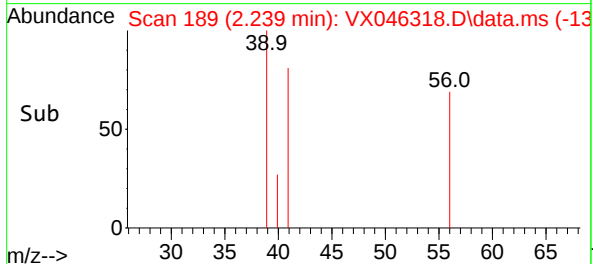
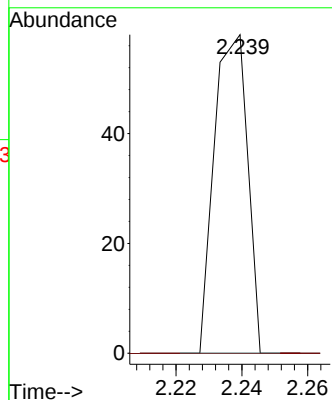
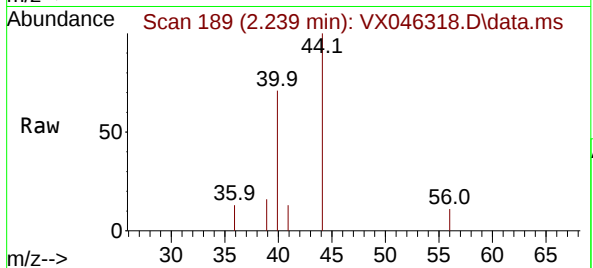




#13
Acrolein
Concen: 0.226 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

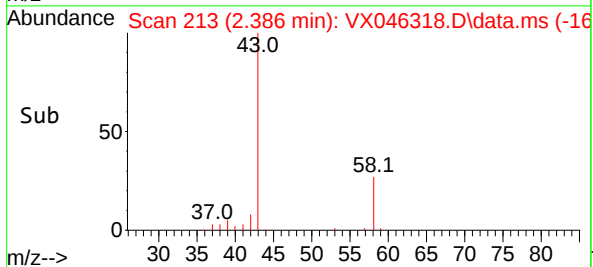
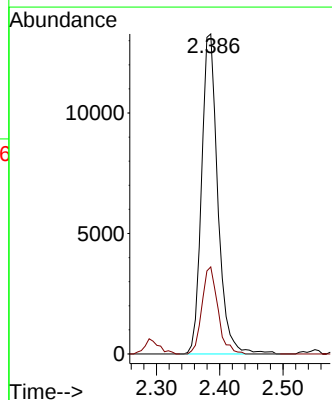
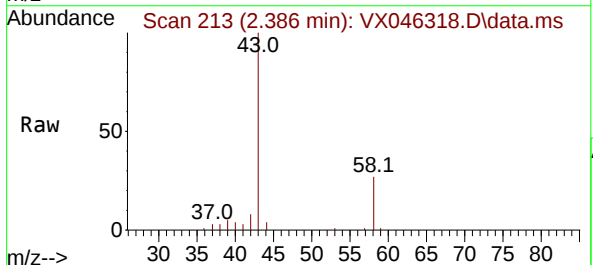
Instrument :
MSVOA_X
ClientSampleId :
PB168116TB

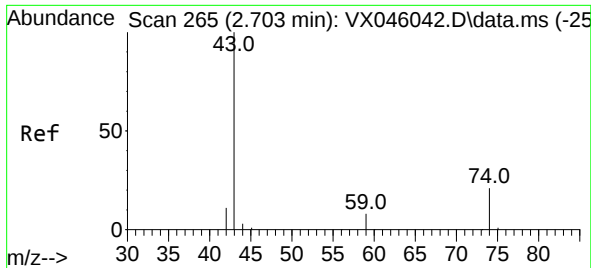
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 52.328 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion: 43 Resp: 23764
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8

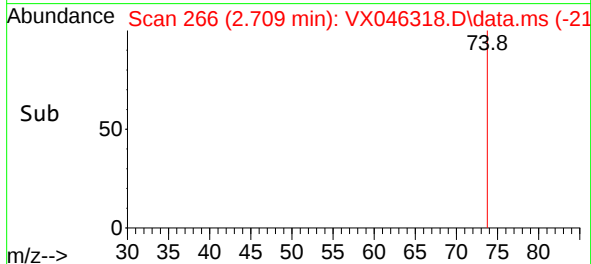
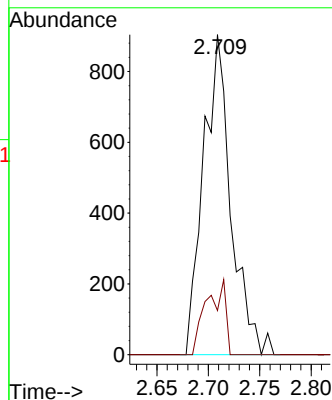
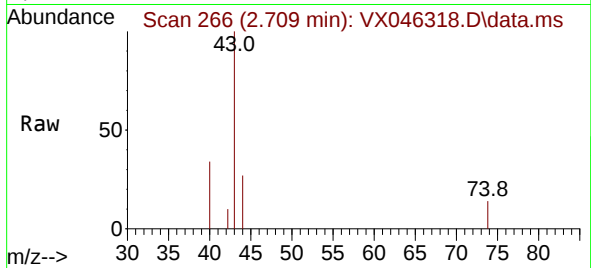




#18
Methyl Acetate
Concen: 1.601 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

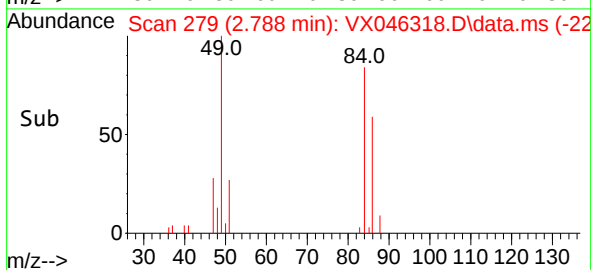
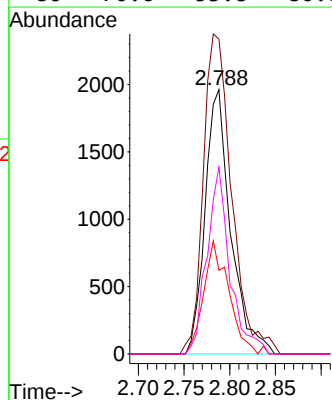
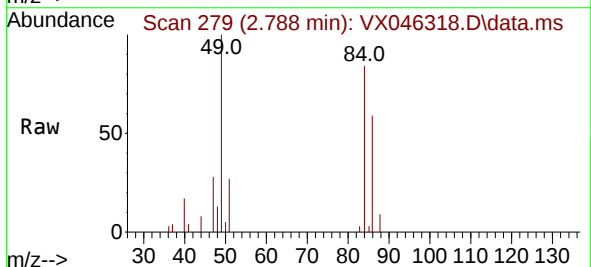
Instrument :
MSVOA_X
ClientSampleId :
PB168116TB

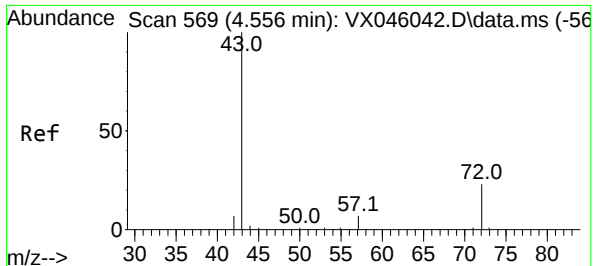
Tgt Ion: 43 Resp: 1687
Ion Ratio Lower Upper
43 100
74 16.2 16.7 25.1#



#20
Methylene Chloride
Concen: 4.408 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion: 84 Resp: 3836
Ion Ratio Lower Upper
84 100
49 119.1 113.9 170.9
51 31.7 33.5 50.3#
86 70.6 53.8 80.8





#25

2-Butanone

Concen: 0.781 ug/l

RT: 4.593 min Scan# 515

Delta R.T. 0.037 min

Lab File: VX046318.D

Acq: 22 May 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

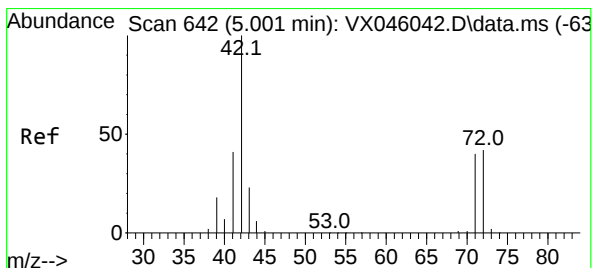
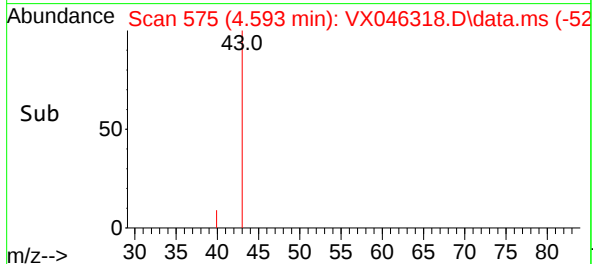
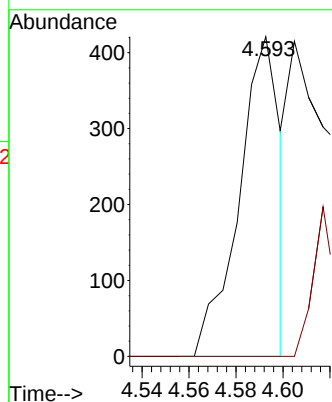
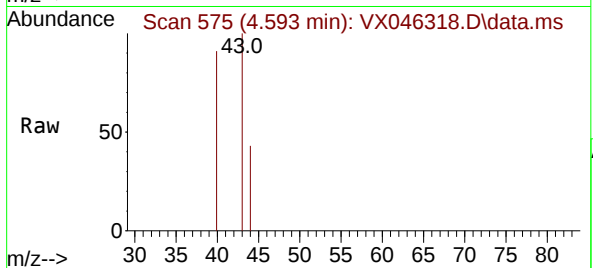
PB168116TB

Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



#29

Tetrahydrofuran

Concen: 0.467 ug/l

RT: 5.068 min Scan# 653

Delta R.T. 0.067 min

Lab File: VX046318.D

Acq: 22 May 2025 10:50

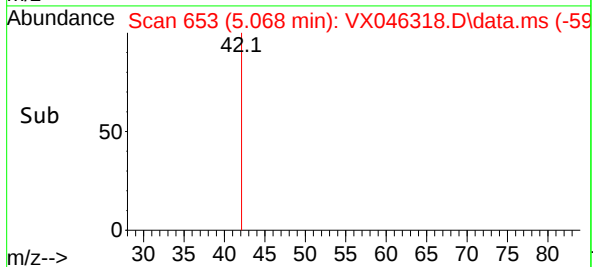
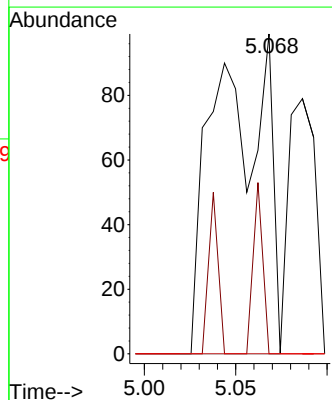
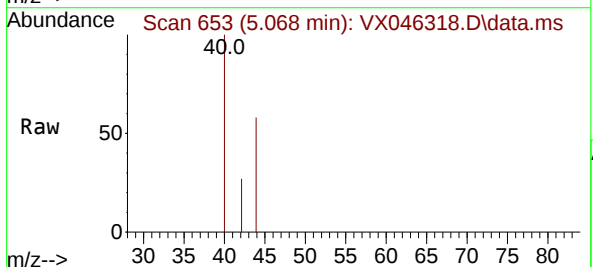
Tgt Ion: 42 Resp: 193

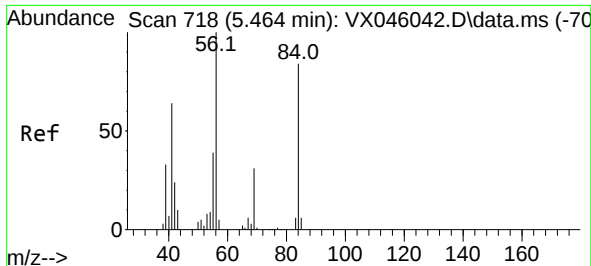
Ion Ratio Lower Upper

42 100

72 9.8 33.7 50.5#

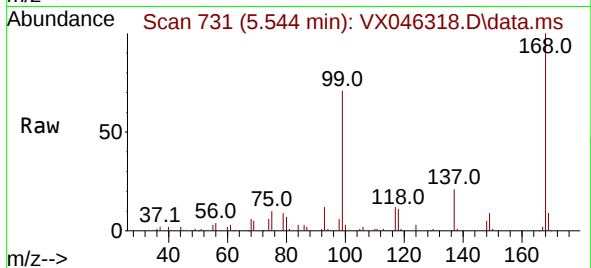
71 0.0 31.4 47.2#



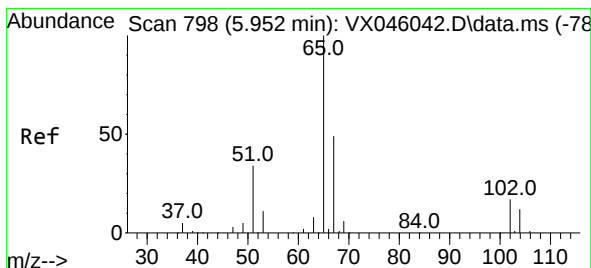
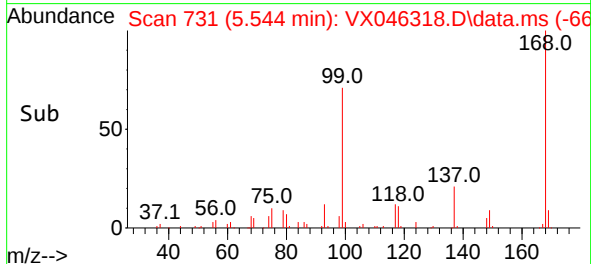
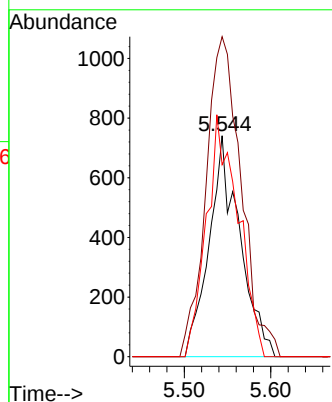


#31
Cyclohexane
Concen: 1.350 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

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ClientSampleId :
PB168116TB

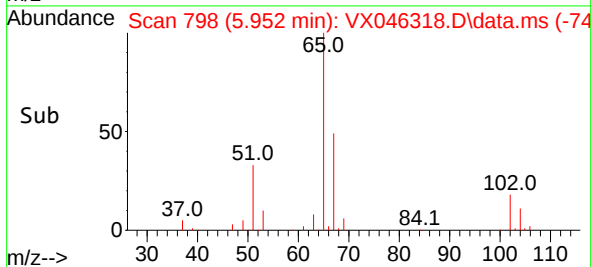
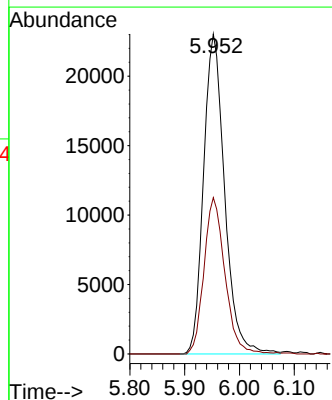
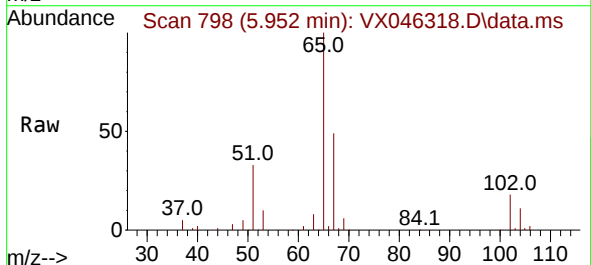


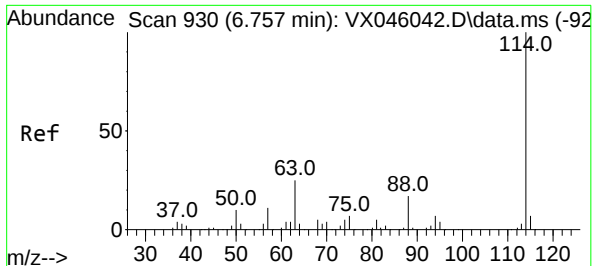
Tgt Ion: 56 Resp: 1822
Ion Ratio Lower Upper
56 100
69 144.8 24.4 36.6#
84 86.9 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 54.190 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion: 65 Resp: 61378
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.0

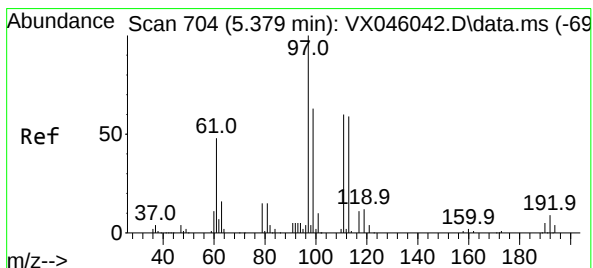
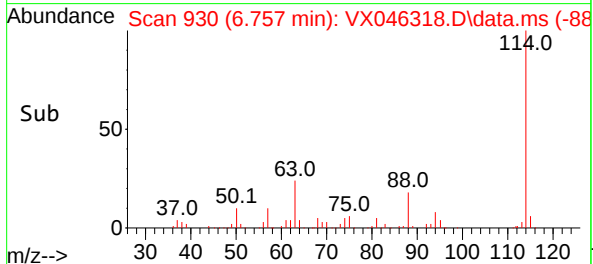
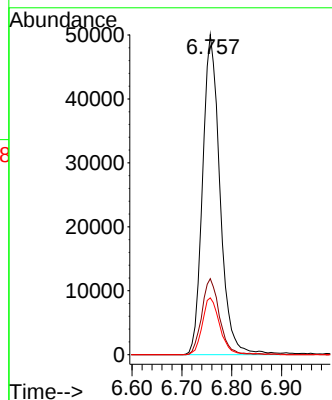
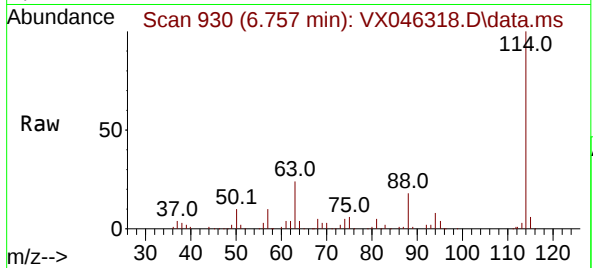




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

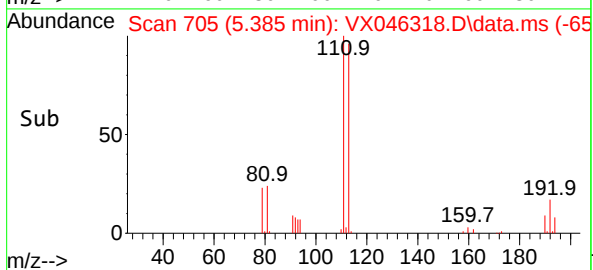
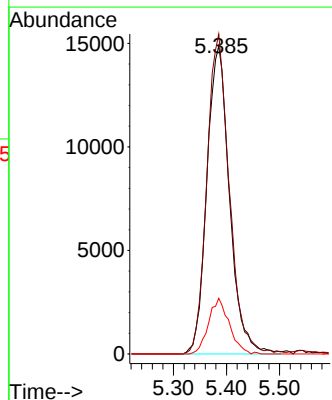
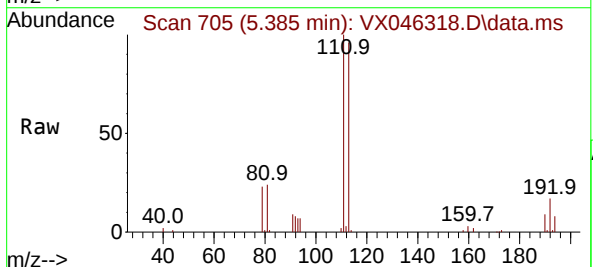
Instrument :
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Tgt Ion:114 Resp: 121310
Ion Ratio Lower Upper
114 100
63 23.7 0.0 49.2
88 17.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.485 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion:113 Resp: 44102
Ion Ratio Lower Upper
113 100
111 103.0 83.1 124.7
192 16.5 13.3 19.9

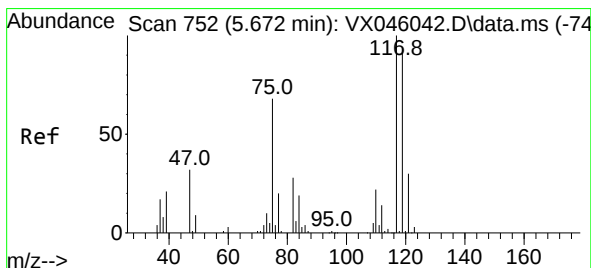
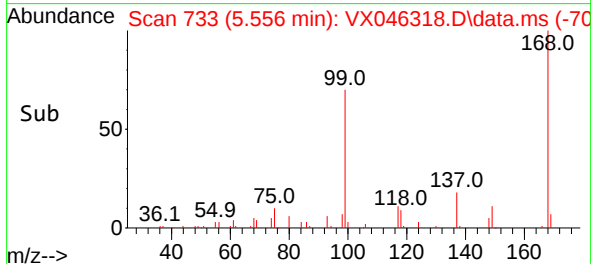
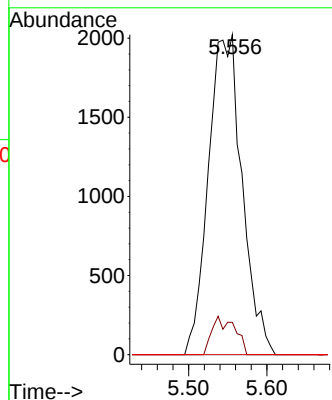
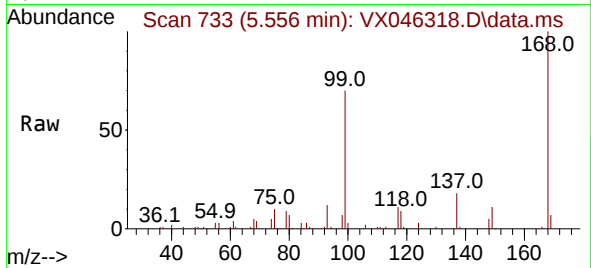




#36
 1,1-Dichloropropene
 Concen: 5.148 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. -0.128 min
 Lab File: VX046318.D
 Acq: 22 May 2025 10:50

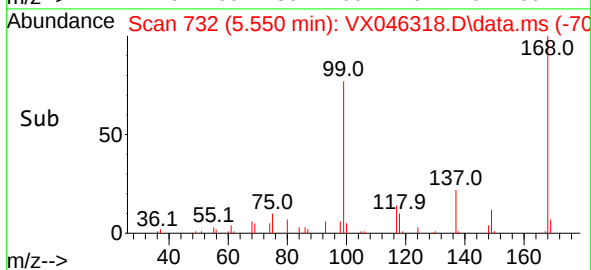
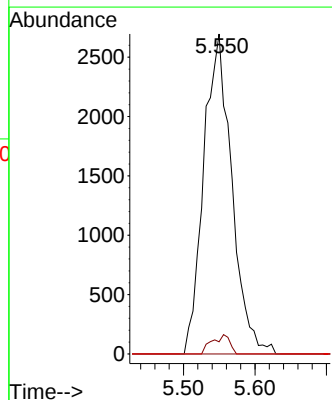
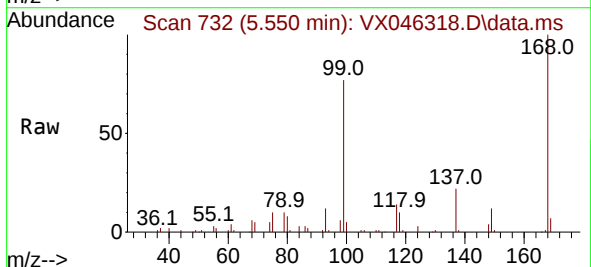
Instrument :
 MSVOA_X
 ClientSampleId :
 PB168116TB

Tgt Ion: 75 Resp: 6042
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.3 48.9#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.573 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX046318.D
 Acq: 22 May 2025 10:50

Tgt Ion: 117 Resp: 7349
 Ion Ratio Lower Upper
 117 100
 119 3.8 75.2 112.8#
 121 0.0 24.2 36.4#

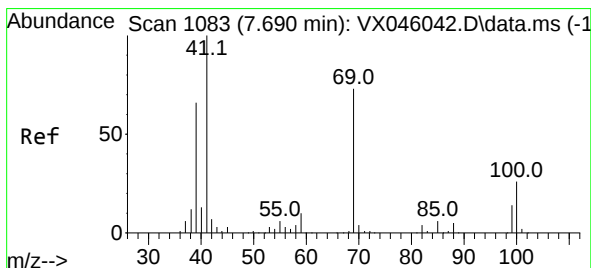
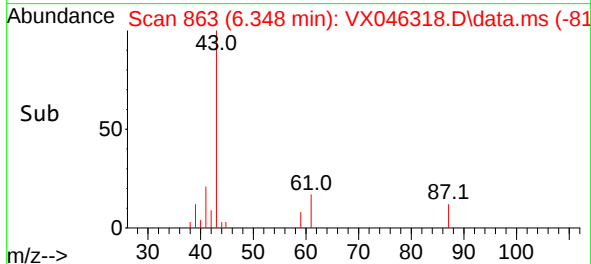
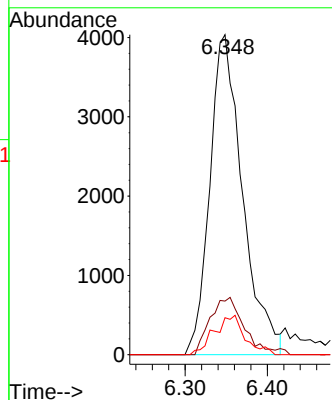
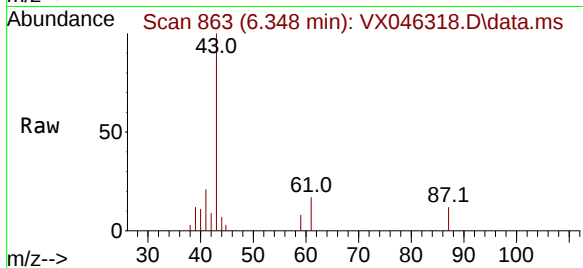




#43
Isopropyl Acetate
Concen: 5.050 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

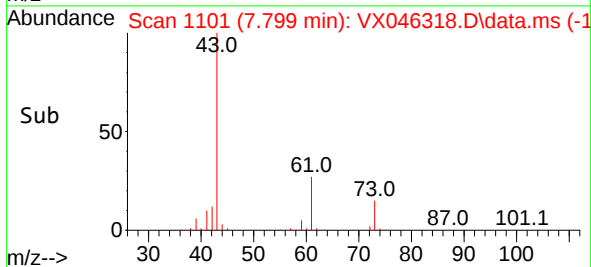
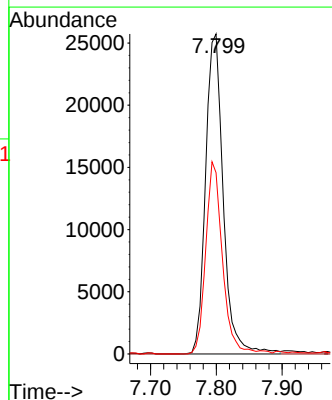
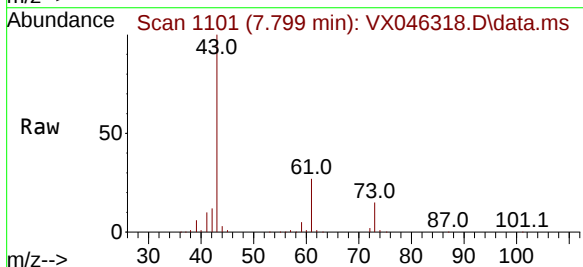
Instrument :
MSVOA_X
ClientSampleId :
PB168116TB

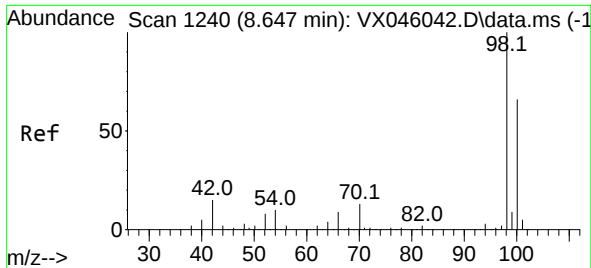
Tgt Ion: 43 Resp: 11172
Ion Ratio Lower Upper
43 100
61 18.8 14.3 21.5
87 11.5 9.5 14.3



#48
Methyl methacrylate
Concen: 42.499 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion: 41 Resp: 48016
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.2 51.7 77.5

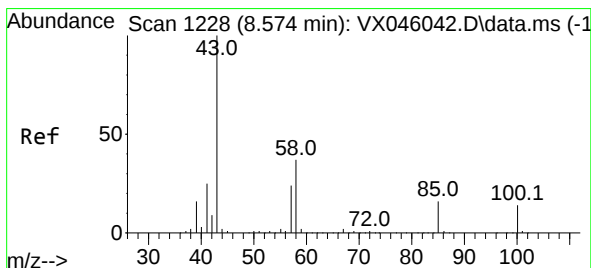
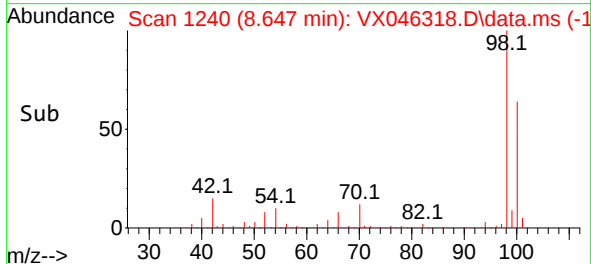
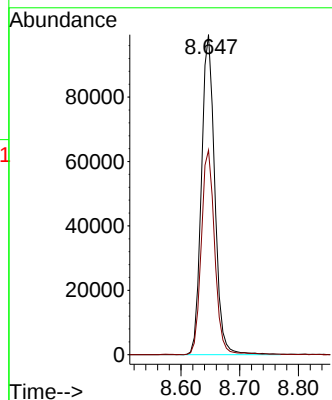
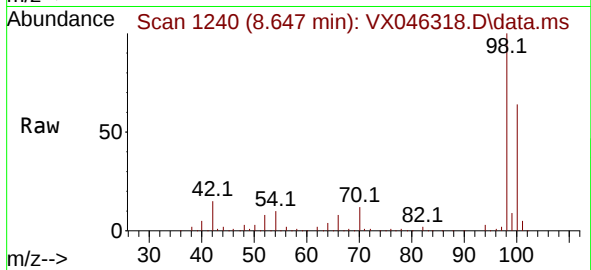




#50
Toluene-d8
Concen: 51.738 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

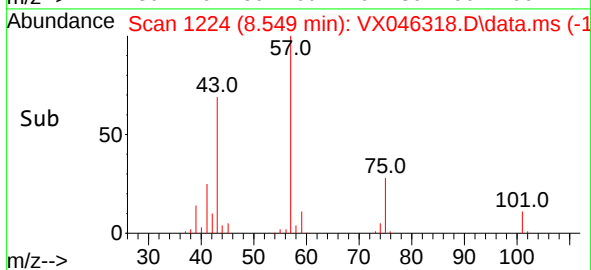
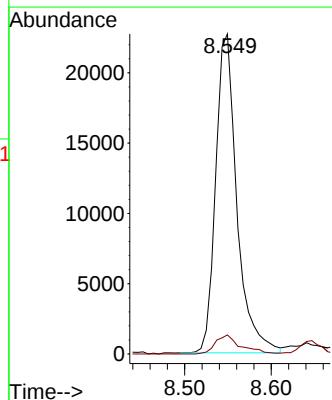
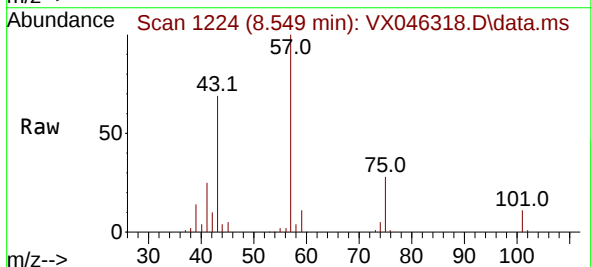
Instrument :
MSVOA_X
ClientSampleId :
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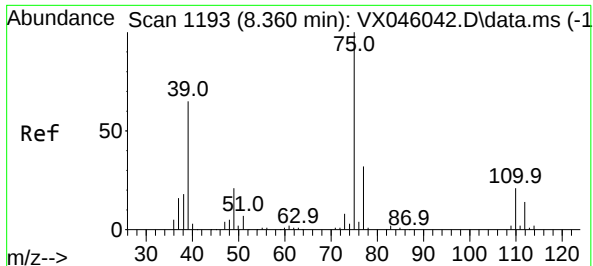
Tgt Ion: 98 Resp: 156431
Ion Ratio Lower Upper
98 100
100 64.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.317 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion: 43 Resp: 38645
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#

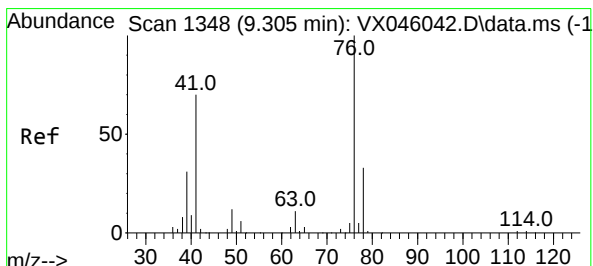
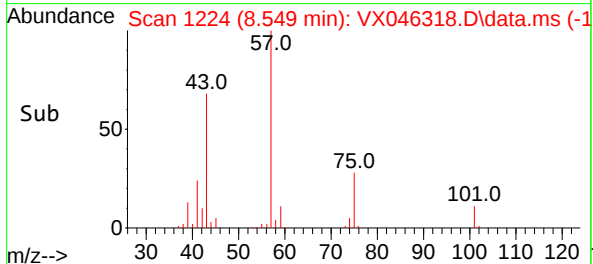
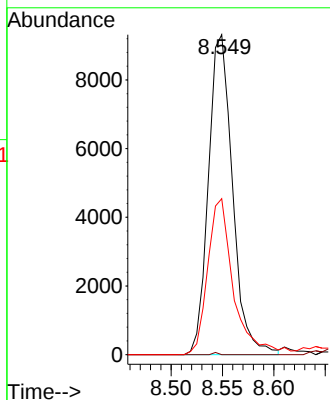
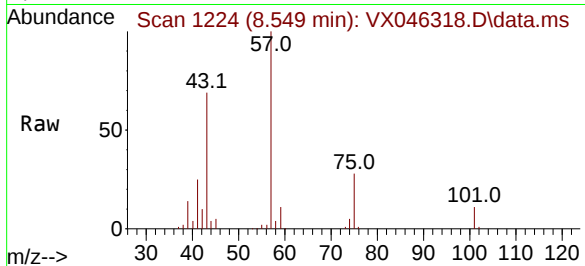




#54
 cis-1,3-Dichloropropene
 Concen: 11.643 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046318.D
 Acq: 22 May 2025 10:50

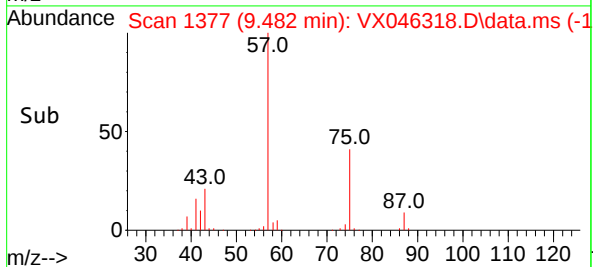
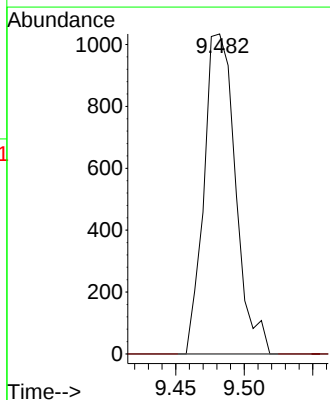
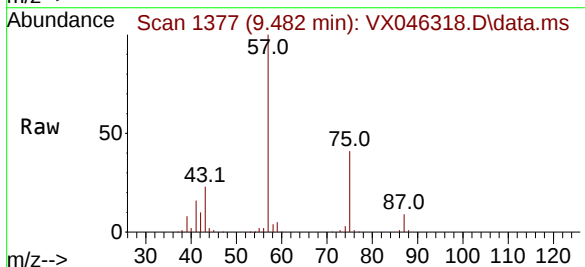
Instrument :
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 ClientSampleId :
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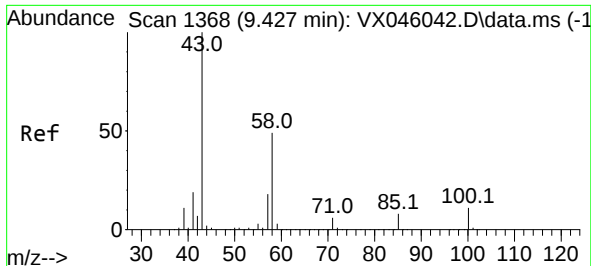
Tgt Ion: 75 Resp: 15189
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 48.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 1.109 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046318.D
 Acq: 22 May 2025 10:50

Tgt Ion: 76 Resp: 1656
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

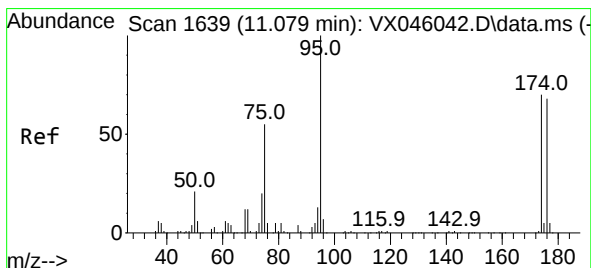
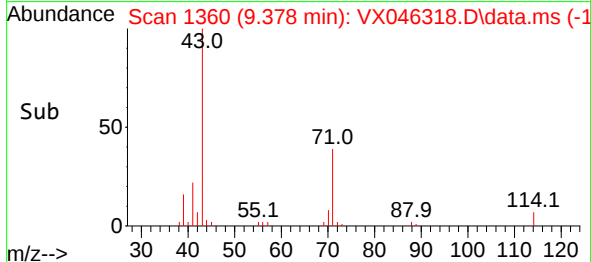
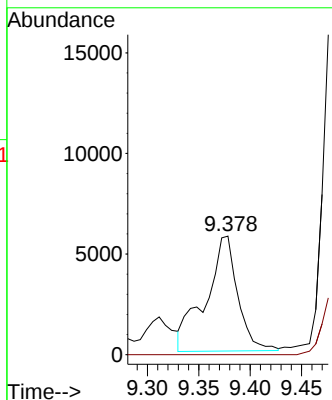
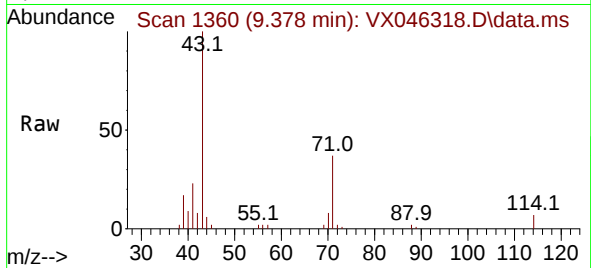




#59
2-Hexanone
Concen: 11.468 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

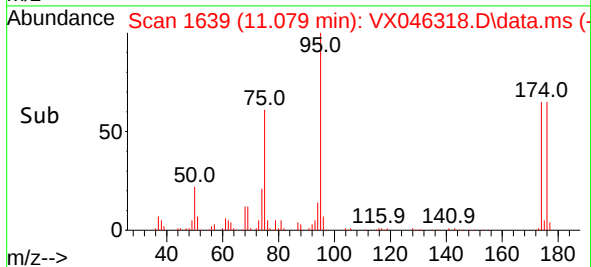
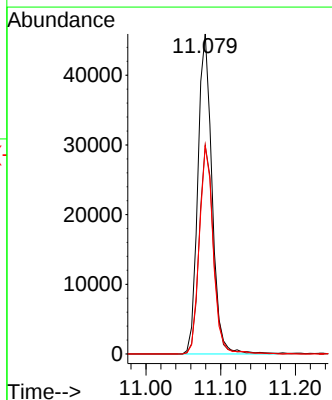
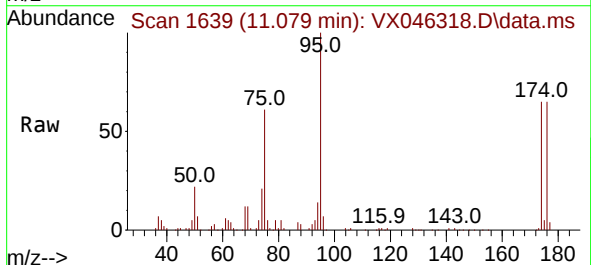
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ClientSampleId :
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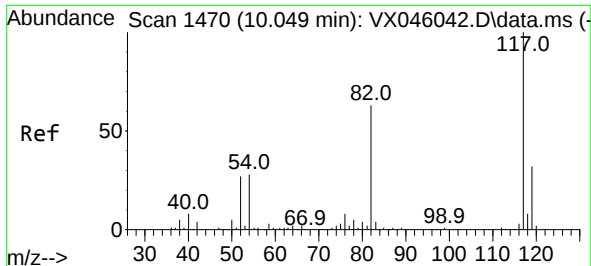
Tgt Ion: 43 Resp: 12459
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion: 95 Resp: 60251
Ion Ratio Lower Upper
95 100
174 65.2 0.0 135.8
176 63.9 0.0 131.4

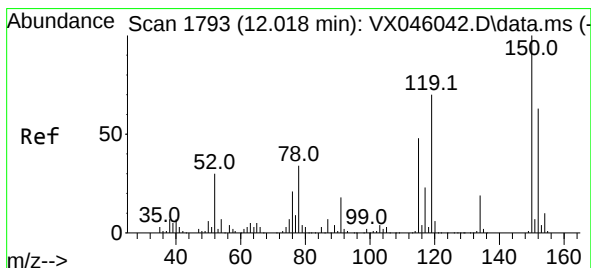
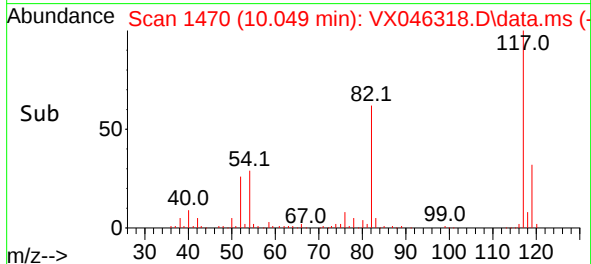
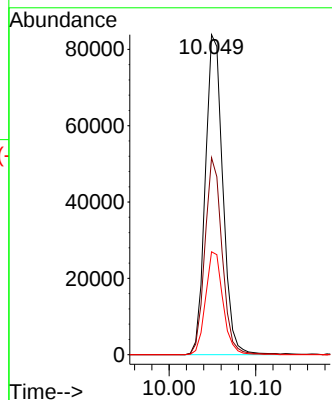
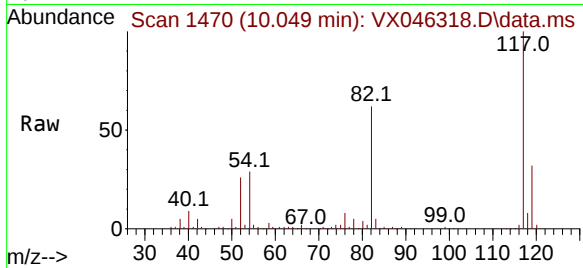




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

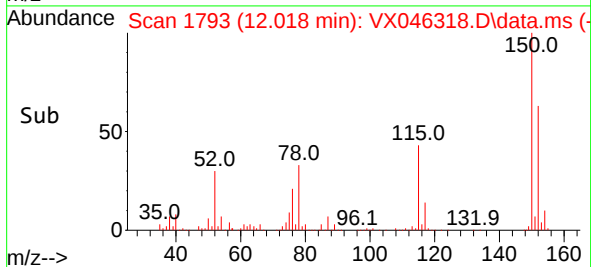
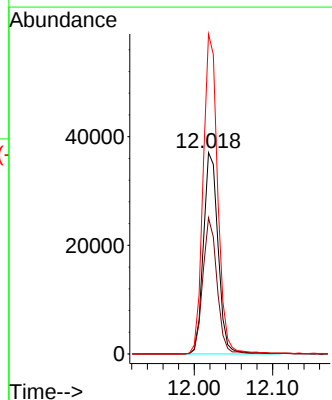
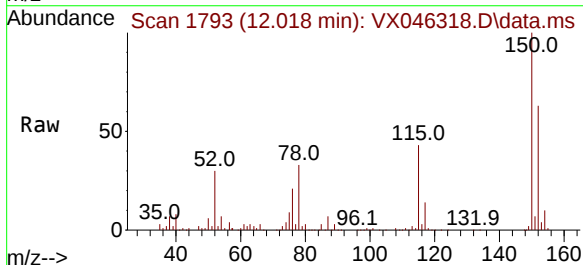
Instrument :
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ClientSampleId :
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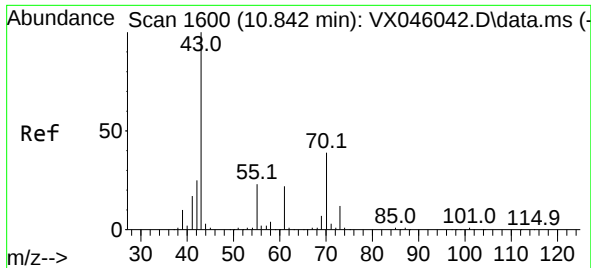
Tgt Ion:117 Resp: 117649
Ion Ratio Lower Upper
117 100
82 61.6 50.6 76.0
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Tgt Ion:152 Resp: 48195
Ion Ratio Lower Upper
152 100
115 65.6 46.9 140.7
150 157.9 0.0 351.0

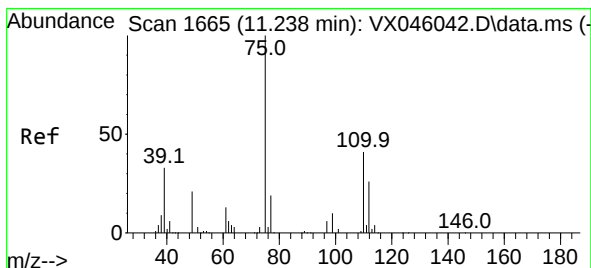
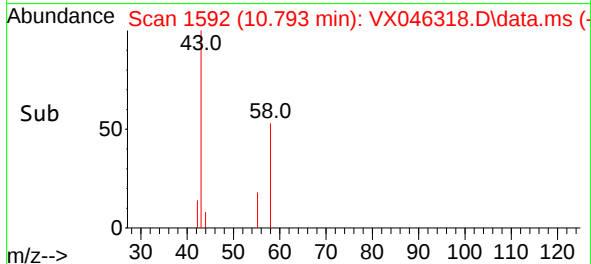
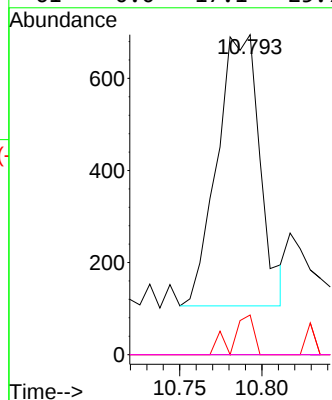
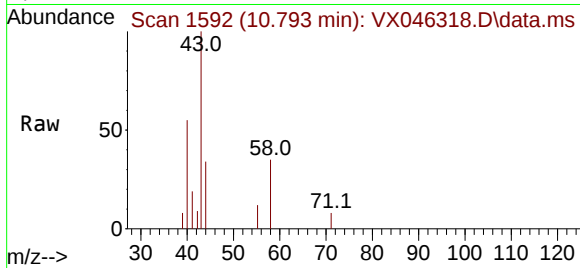




#74
N-amy1 acetate
Concen: 0.573 ug/l
RT: 10.793 min Scan# 1639
Delta R.T. -0.049 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

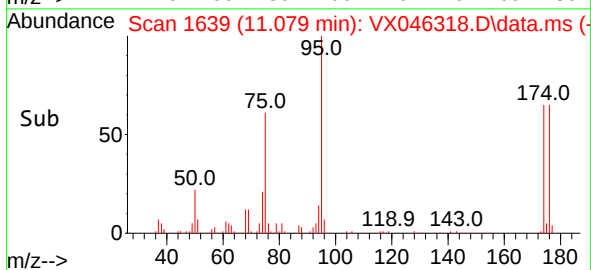
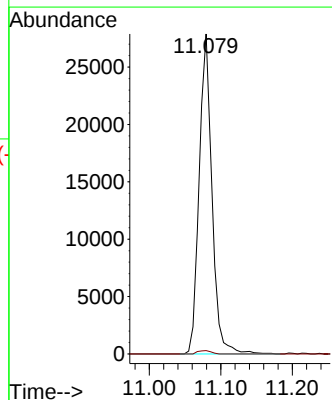
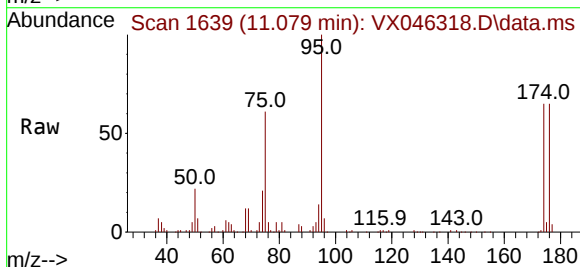
Instrument :
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ClientSampleId :
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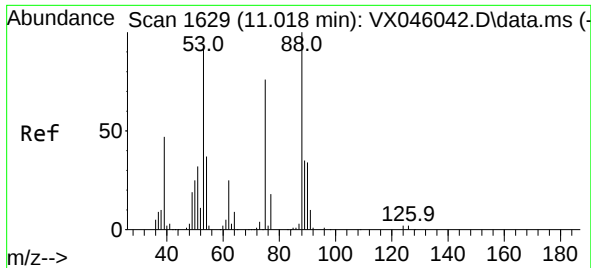
Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 7.3 18.7 28.1#
61 0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 29.865 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

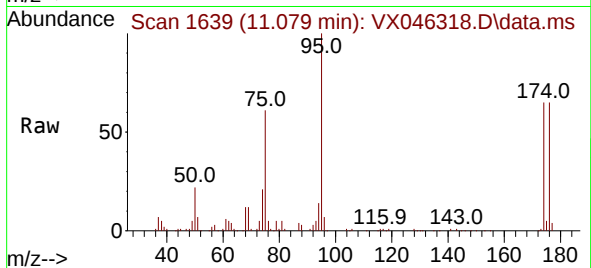
Tgt Ion: 75 Resp: 34646
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 97.232 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046318.D
Acq: 22 May 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
PB168116TB



Tgt Ion: 75 Resp: 34646
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

