

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046267.D
 Acq On : 19 May 2025 15:00
 Operator : JC/MD
 Sample : Q2062-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-5

Quant Time: May 19 23:11:50 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)

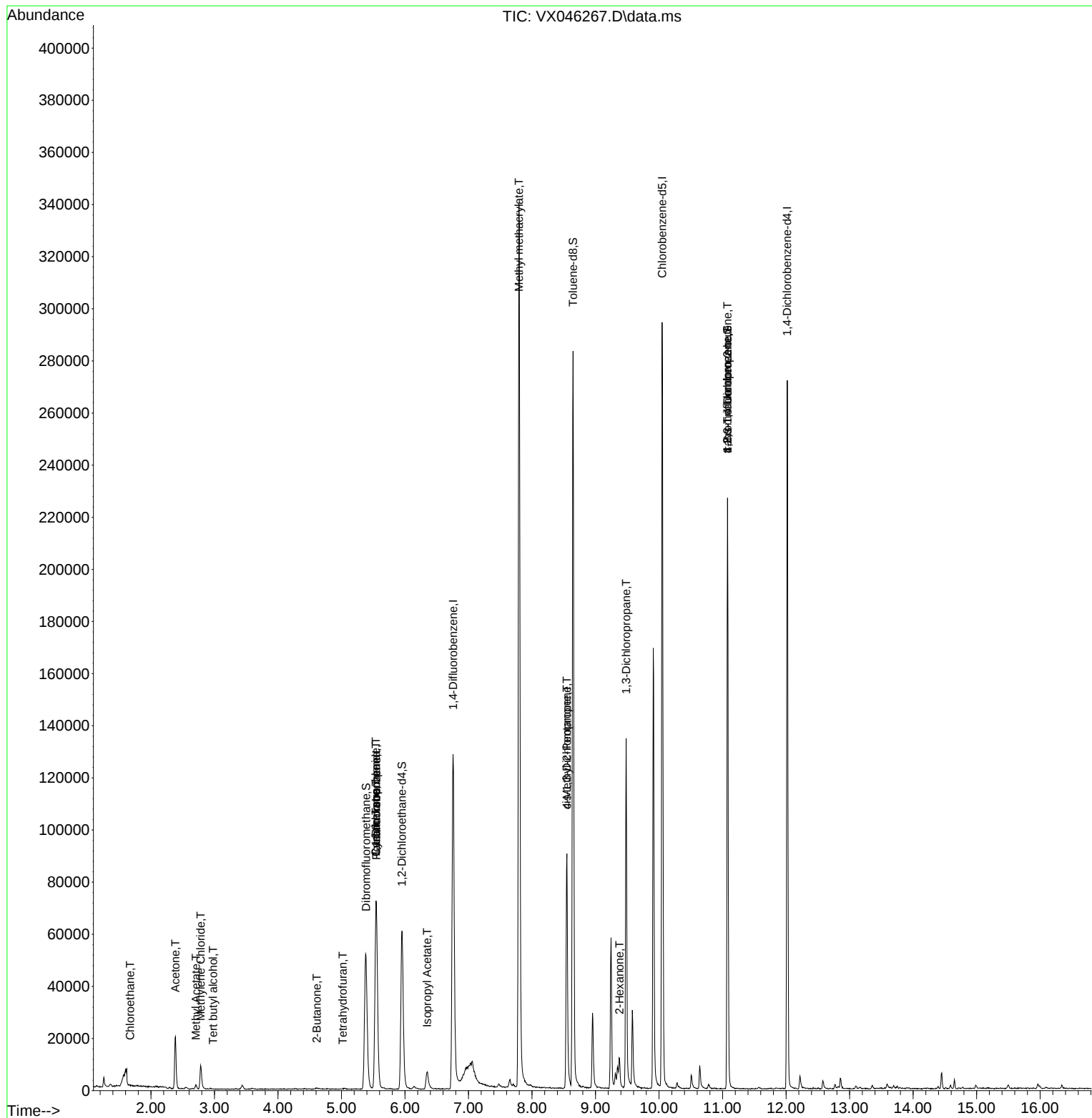
Internal Standards						
1) Pentafluorobenzene	5.550	168	60853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122170	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63256	55.757	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.520%	
35) Dibromofluoromethane	5.385	113	45318	51.512	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.020%	
50) Toluene-d8	8.647	98	157856	51.842	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	11.079	95	60617	51.898	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.800%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	238	0.530	ug/l #	44
11) Tert butyl alcohol	2.977	59	120	0.754	ug/l #	72
16) Acetone	2.386	43	22362	49.160	ug/l	97
18) Methyl Acetate	2.709	43	2026	1.919	ug/l	96
20) Methylene Chloride	2.782	84	4288	4.919	ug/l	93
25) 2-Butanone	4.611	43	695	1.052	ug/l	95
29) Tetrahydrofuran	5.019	42	98	0.237	ug/l #	35
31) Cyclohexane	5.544	56	1840	1.361	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	6193	5.239	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7475	5.628	ug/l #	16
43) Isopropyl Acetate	6.348	43	10353	4.647	ug/l	97
48) Methyl methacrylate	7.793	41	34671	30.471	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	34437	23.286	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	13488	10.266	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1118	0.744	ug/l #	42
59) 2-Hexanone	9.378	43	10475	9.574	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	33806	28.080	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33806	91.418	ug/l #	1

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

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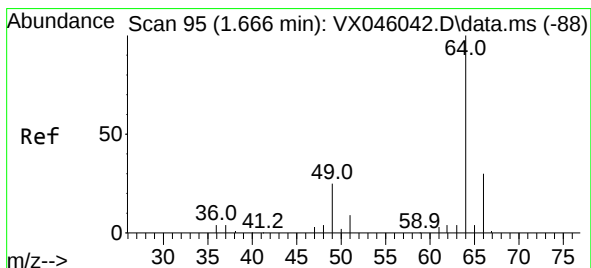
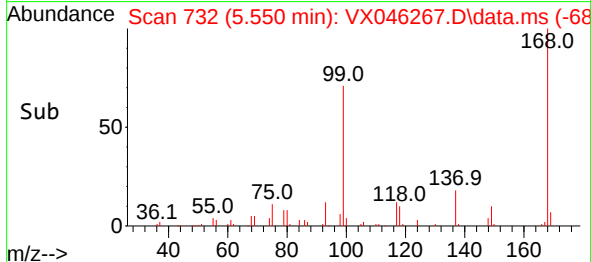
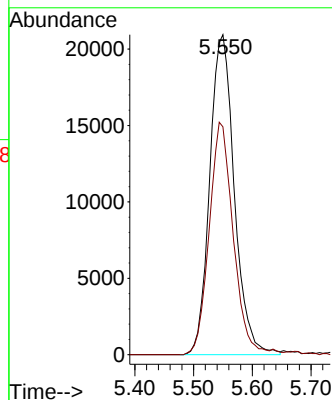
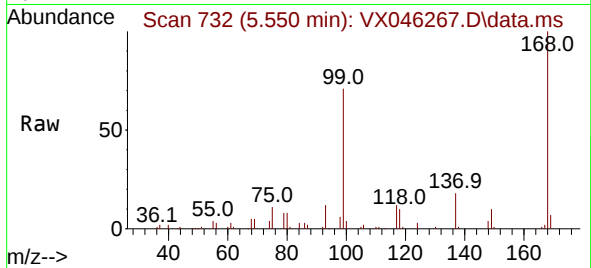




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

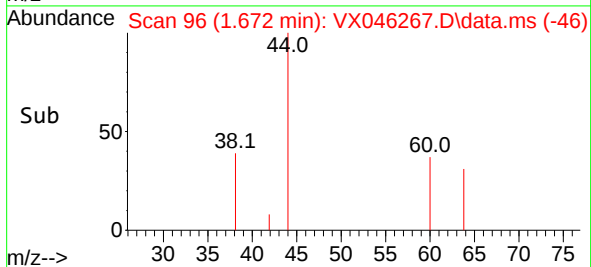
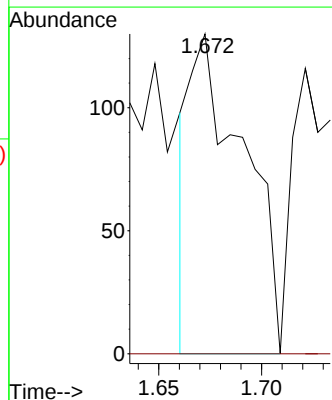
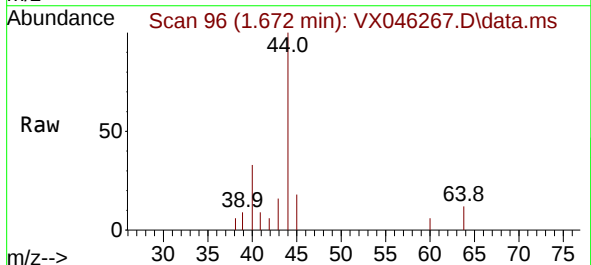
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

Tgt Ion:168 Resp: 60853
Ion Ratio Lower Upper
168 100
99 71.2 54.9 82.3



#6
Chloroethane
Concen: 0.530 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 64 Resp: 238
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

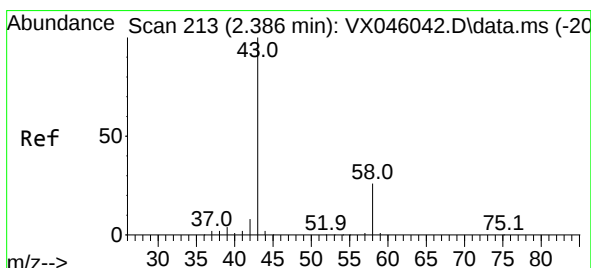
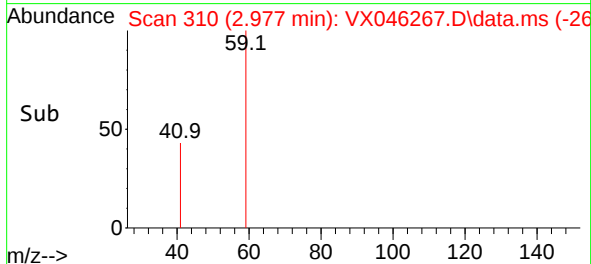
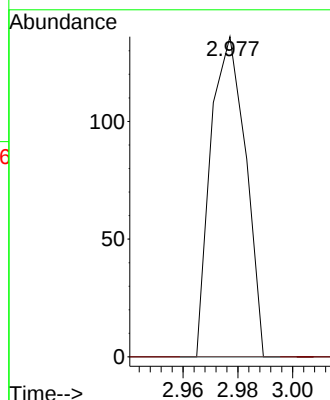
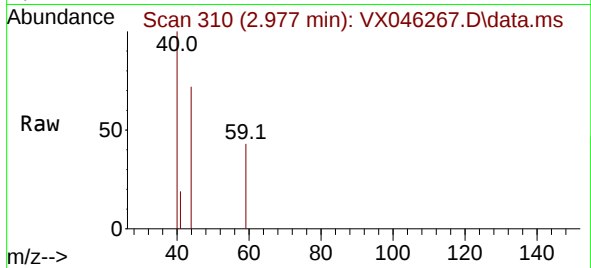




#11
Tert butyl alcohol
Concen: 0.754 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

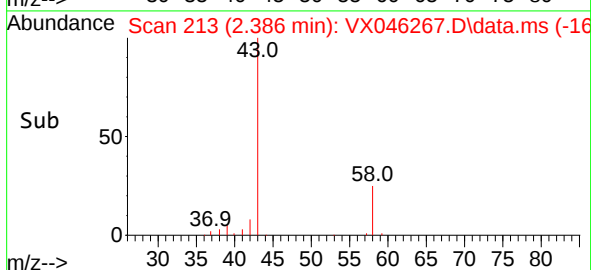
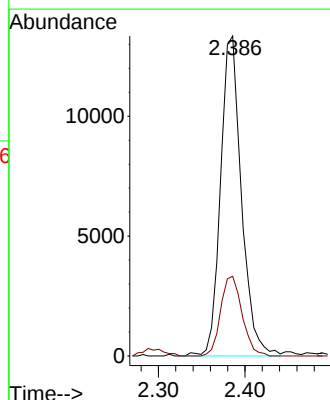
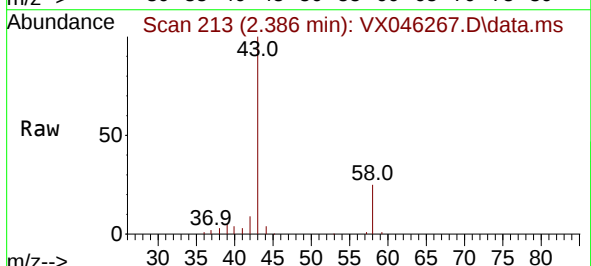
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

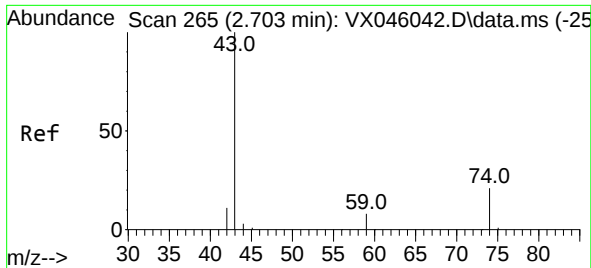
Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 49.160 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 43 Resp: 22362
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8

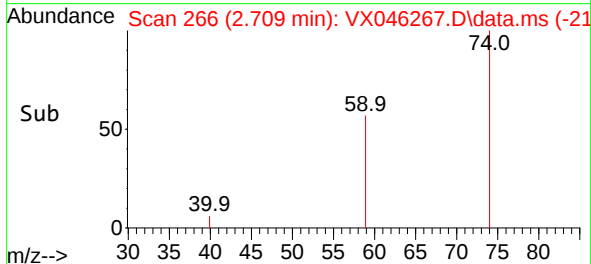
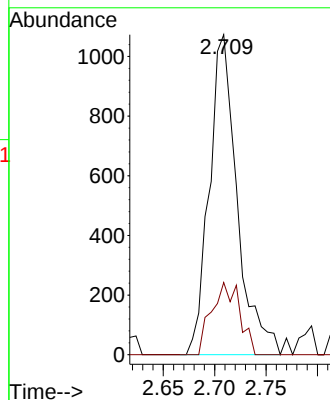
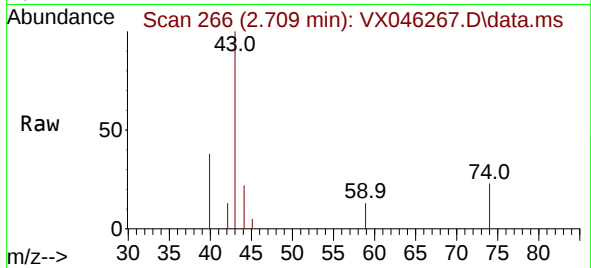




#18
Methyl Acetate
Concen: 1.919 ug/l
RT: 2.709 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

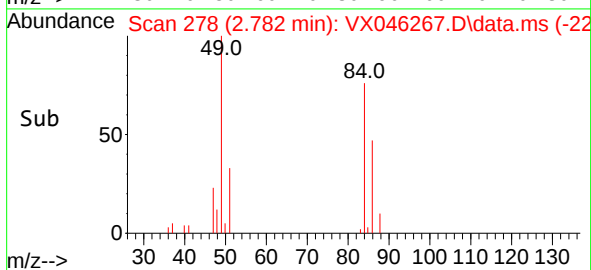
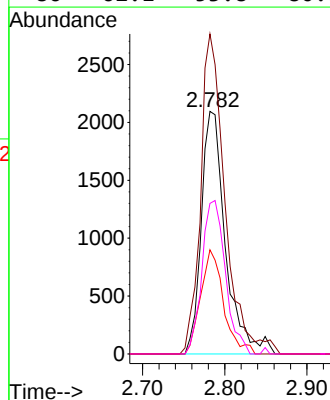
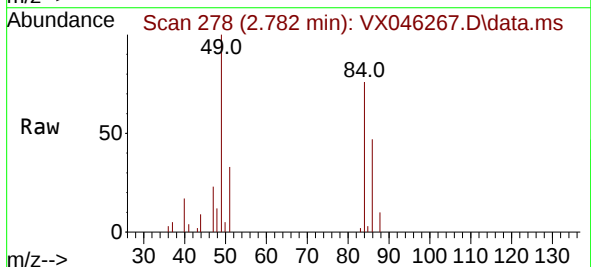
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

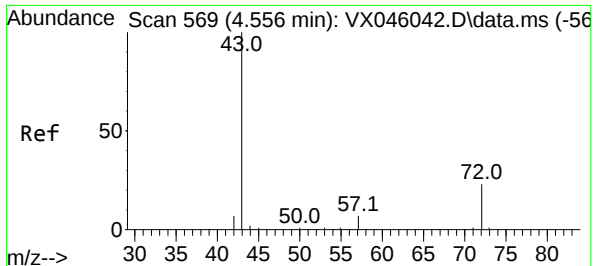
Tgt Ion: 43 Resp: 2026
Ion Ratio Lower Upper
43 100
74 22.7 16.7 25.1



#20
Methylene Chloride
Concen: 4.919 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 84 Resp: 4288
Ion Ratio Lower Upper
84 100
49 131.9 113.9 170.9
51 42.9 33.5 50.3
86 62.1 53.8 80.8





#25

2-Butanone

Concen: 1.052 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.055 min

Lab File: VX046267.D

Acq: 19 May 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

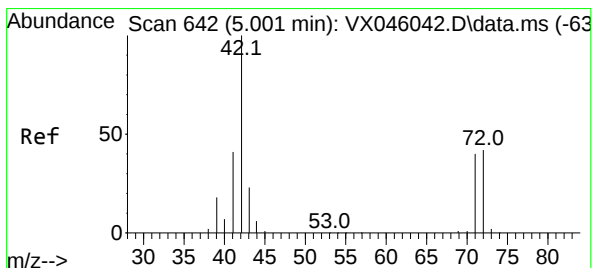
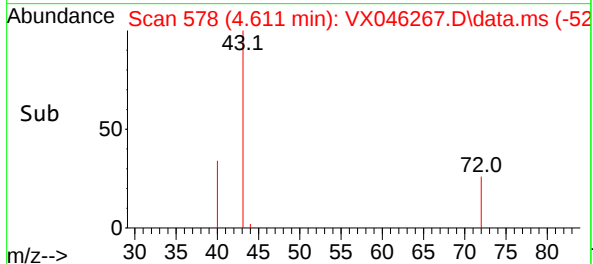
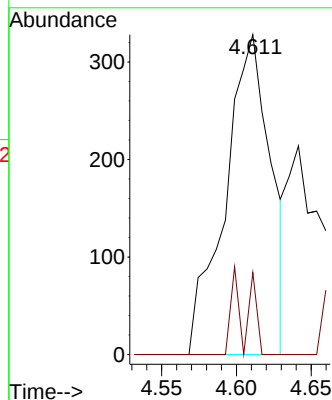
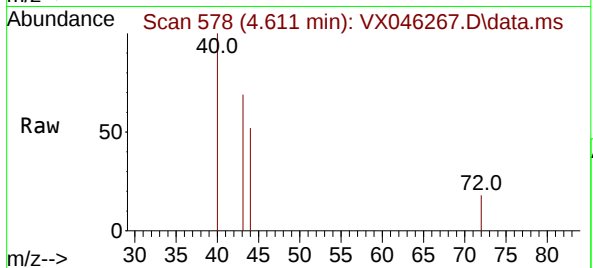
L1-WC-5

Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

72 25.6 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.018 min

Lab File: VX046267.D

Acq: 19 May 2025 15:00

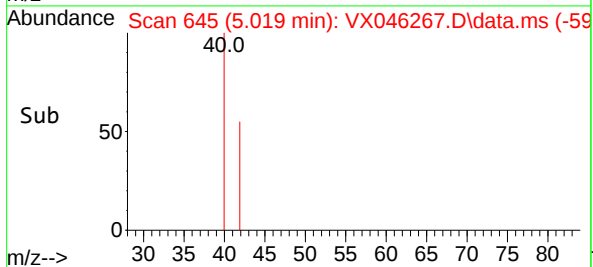
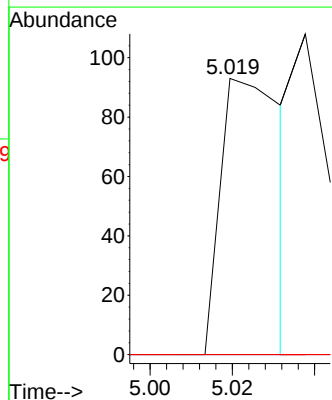
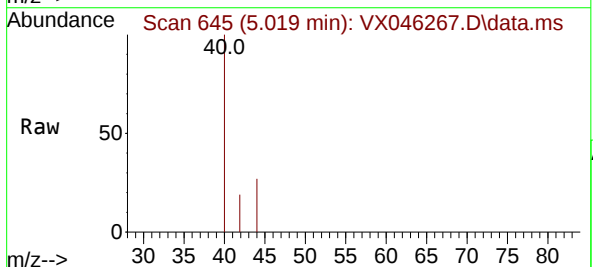
Tgt Ion: 42 Resp: 98

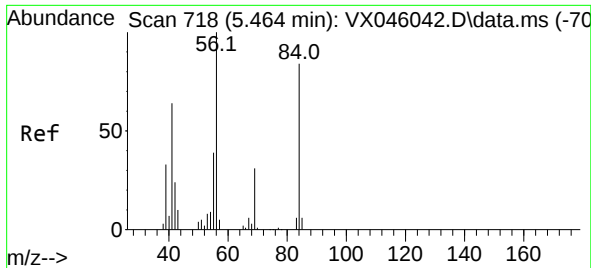
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#

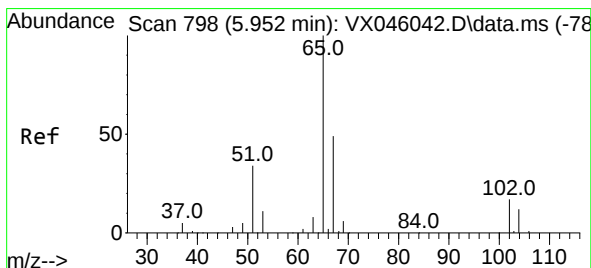
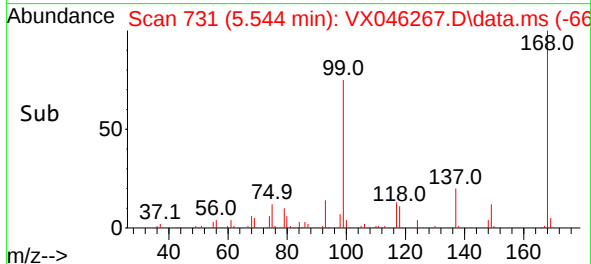
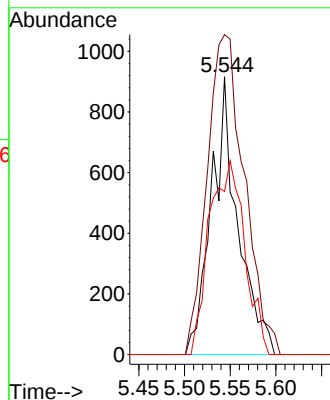
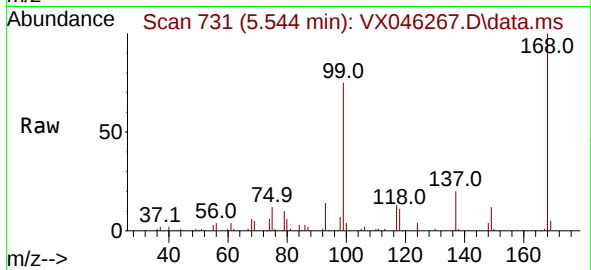




#31
Cyclohexane
Concen: 1.361 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

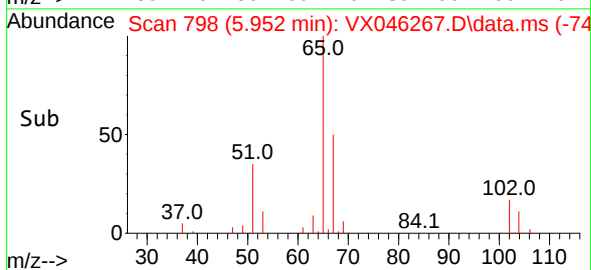
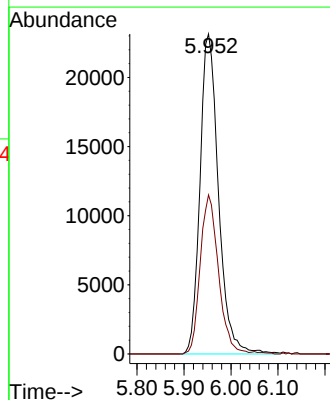
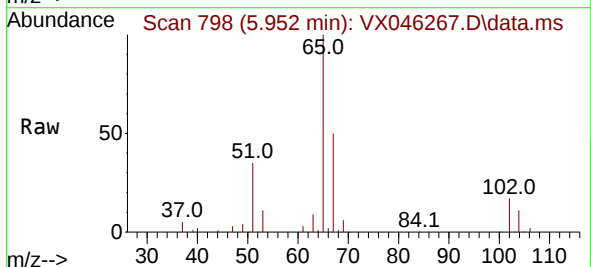
Instrument :
MSVOA_X
ClientSampleId :
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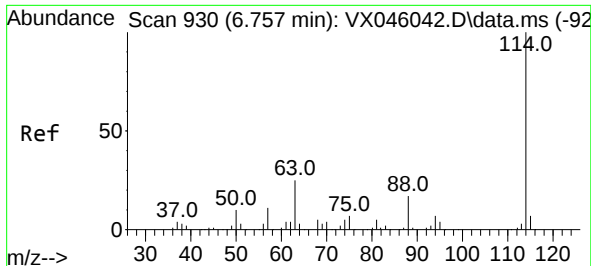
Tgt Ion: 56 Resp: 1840
Ion Ratio Lower Upper
56 100
69 115.2 24.4 36.6#
84 64.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 55.757 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 65 Resp: 63256
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

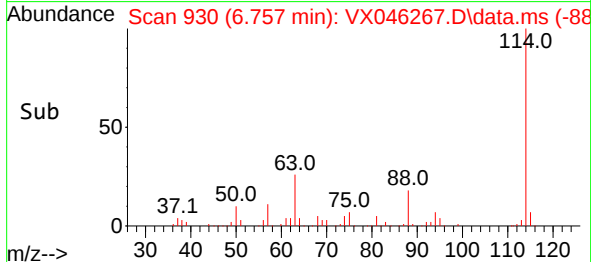
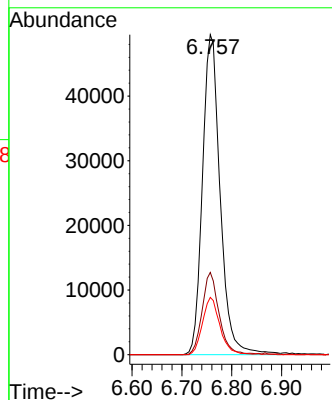
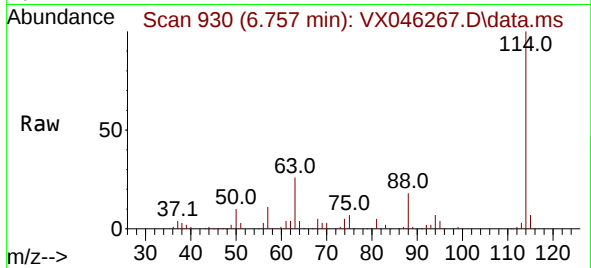




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

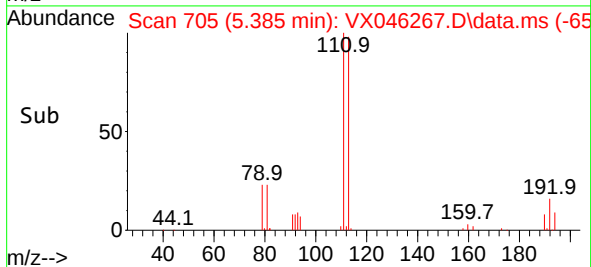
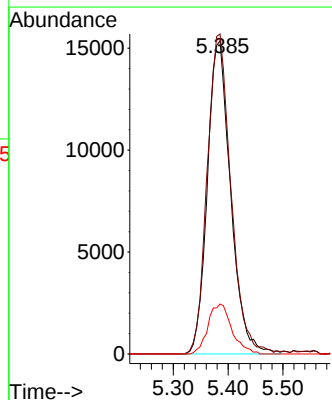
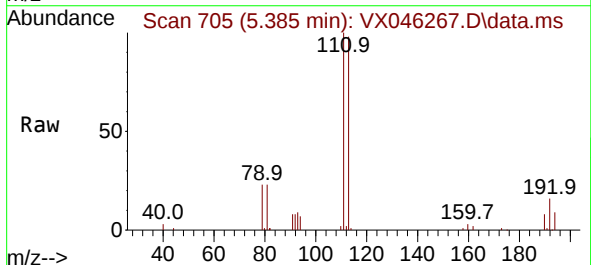
Instrument :
MSVOA_X
ClientSampleId :
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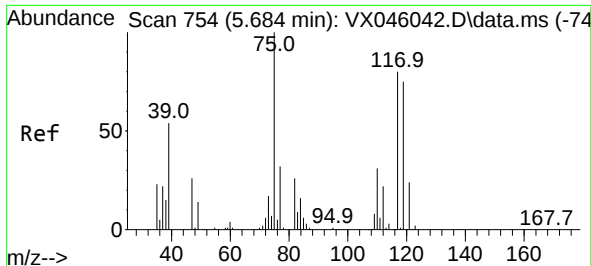
Tgt Ion:114 Resp: 122170
Ion Ratio Lower Upper
114 100
63 25.7 0.0 49.2
88 17.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.512 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion:113 Resp: 45318
Ion Ratio Lower Upper
113 100
111 104.0 83.1 124.7
192 16.3 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.239 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX046267.D

Acq: 19 May 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

L1-WC-5

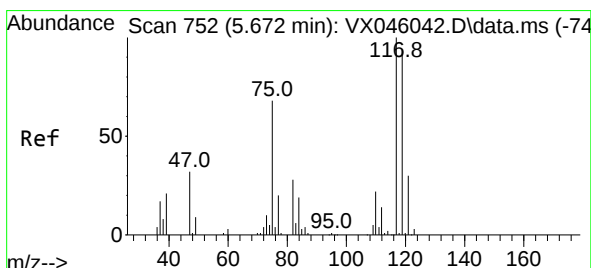
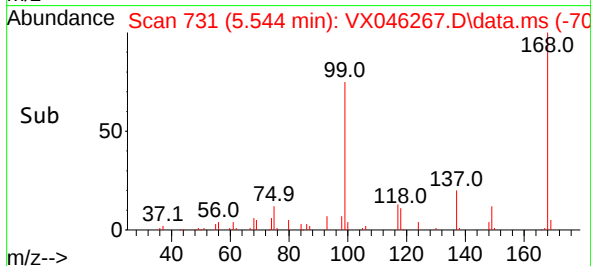
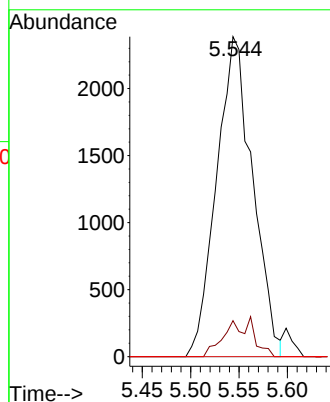
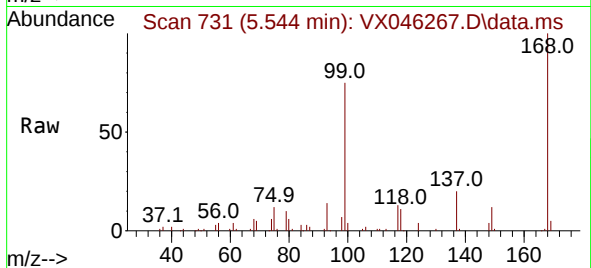
Tgt Ion: 75 Resp: 6193

Ion Ratio Lower Upper

75 100

110 9.4 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.628 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046267.D

Acq: 19 May 2025 15:00

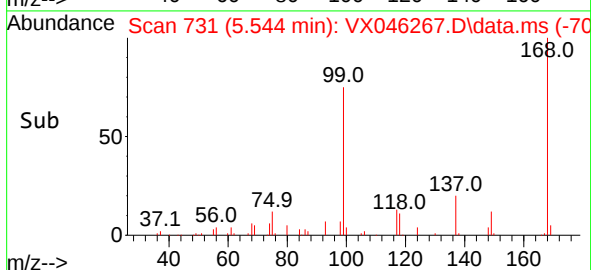
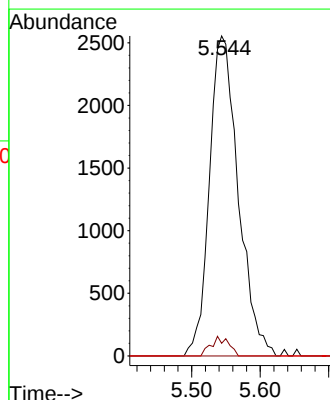
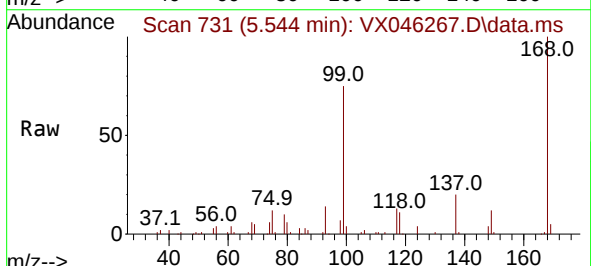
Tgt Ion: 117 Resp: 7475

Ion Ratio Lower Upper

117 100

119 3.9 75.2 112.8#

121 0.0 24.2 36.4#

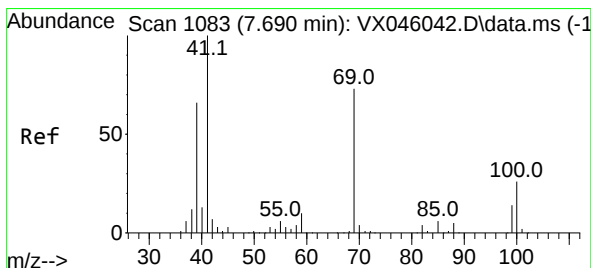
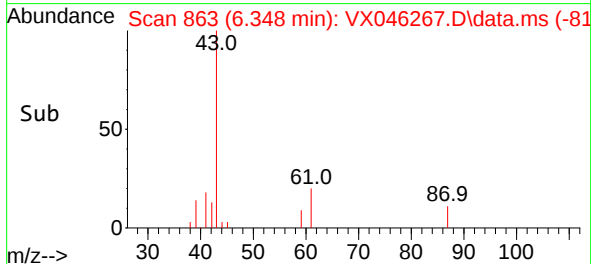
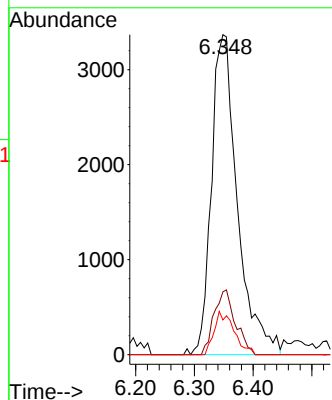
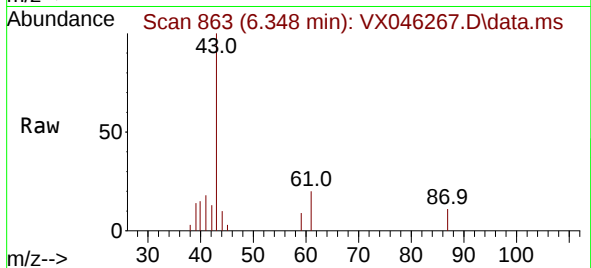




#43
Isopropyl Acetate
Concen: 4.647 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

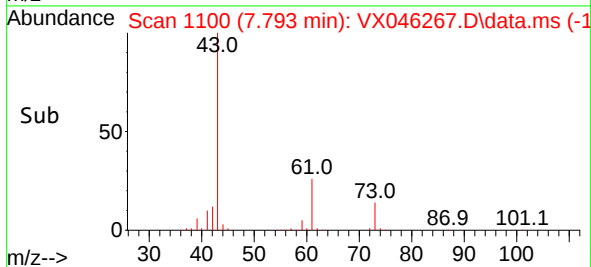
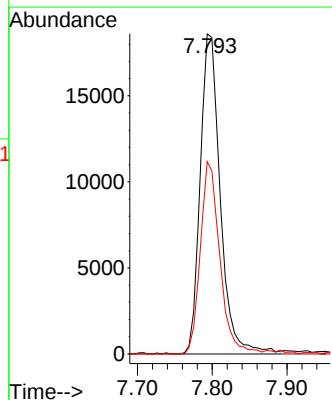
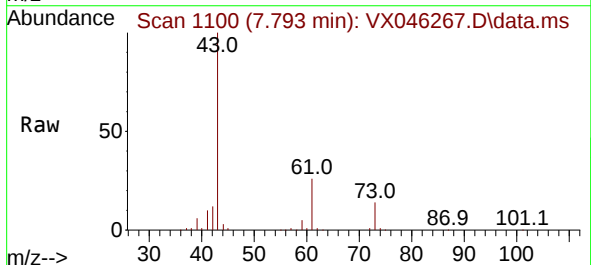
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

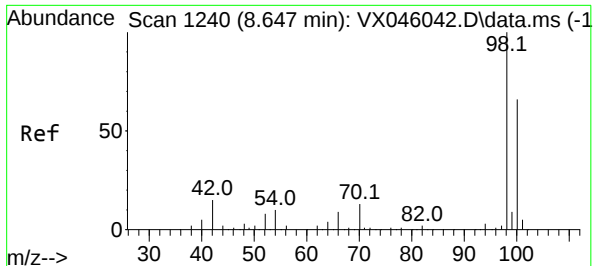
Tgt Ion: 43 Resp: 10353
Ion Ratio Lower Upper
43 100
61 16.7 14.3 21.5
87 10.3 9.5 14.3



#48
Methyl methacrylate
Concen: 30.471 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 41 Resp: 34671
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.2 51.7 77.5

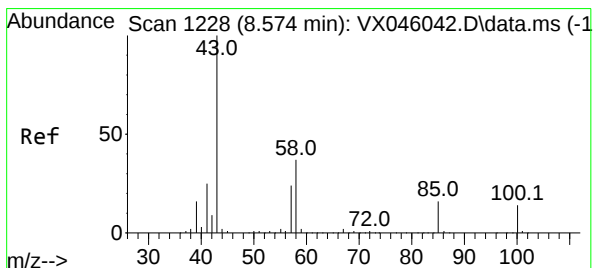
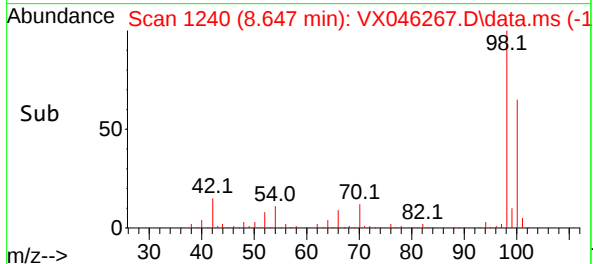
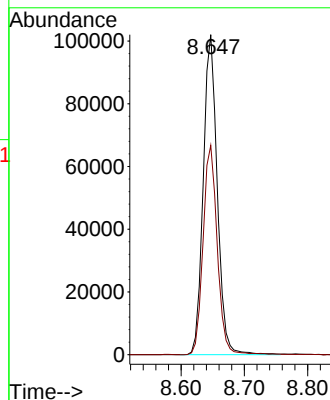
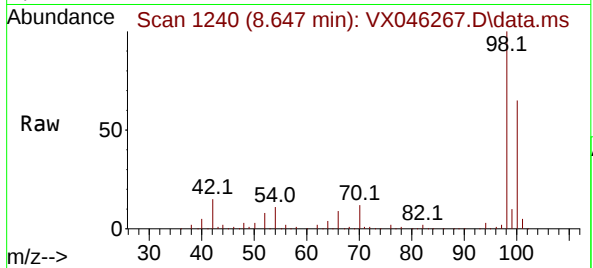




#50
Toluene-d8
Concen: 51.842 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

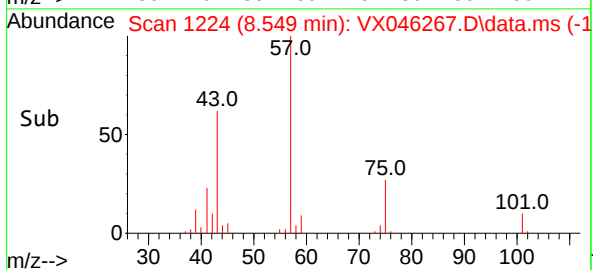
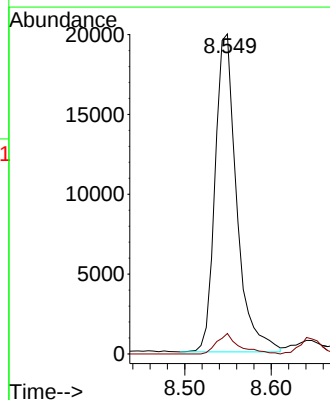
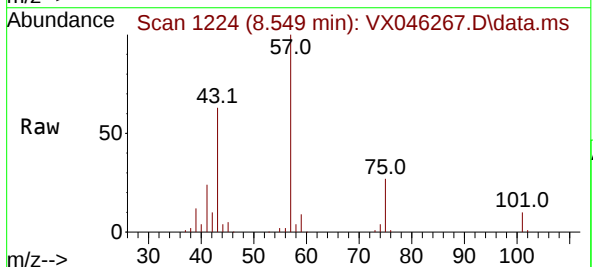
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

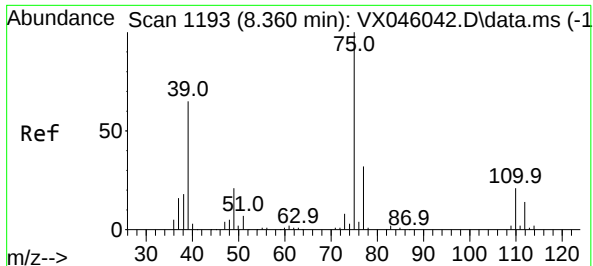
Tgt Ion: 98 Resp: 157856
Ion Ratio Lower Upper
98 100
100 66.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 23.286 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 43 Resp: 34437
Ion Ratio Lower Upper
43 100
58 6.6 28.9 43.3#

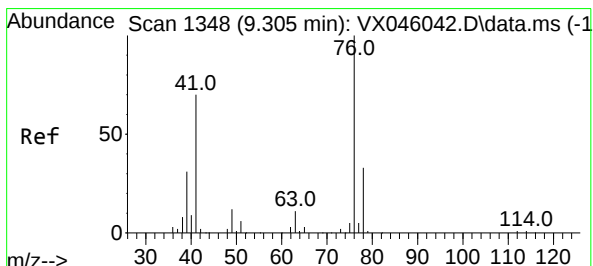
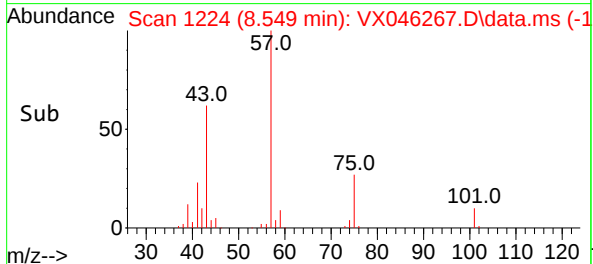
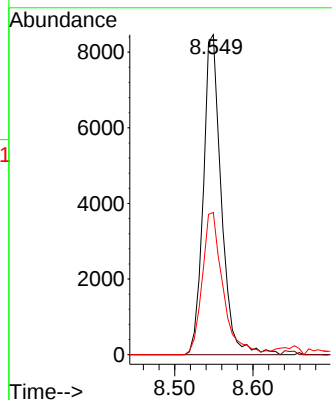
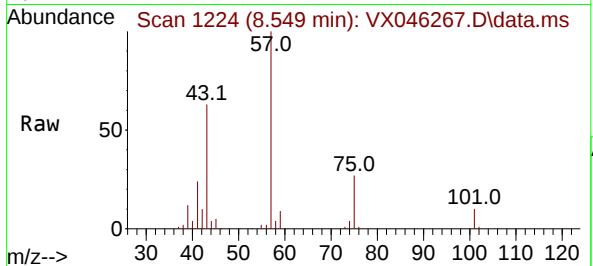




#54
 cis-1,3-Dichloropropene
 Concen: 10.266 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046267.D
 Acq: 19 May 2025 15:00

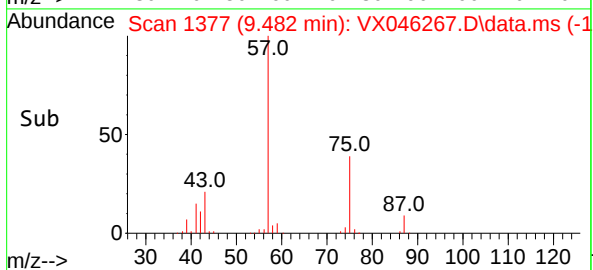
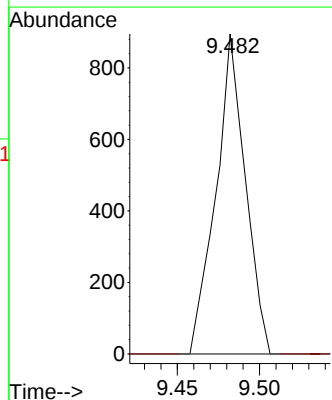
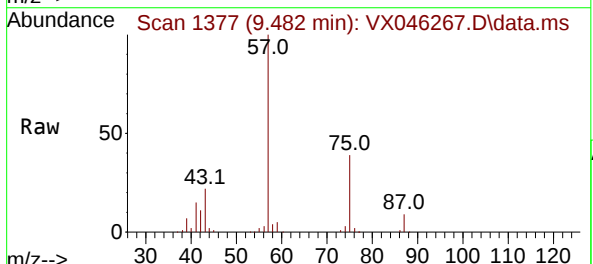
Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-5

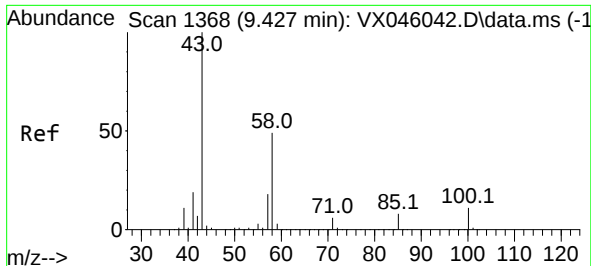
Tgt Ion: 75 Resp: 13488
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 44.4 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.744 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046267.D
 Acq: 19 May 2025 15:00

Tgt Ion: 76 Resp: 1118
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

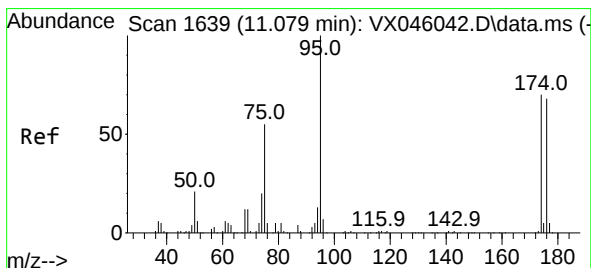
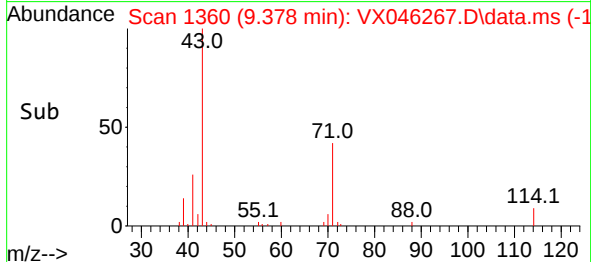
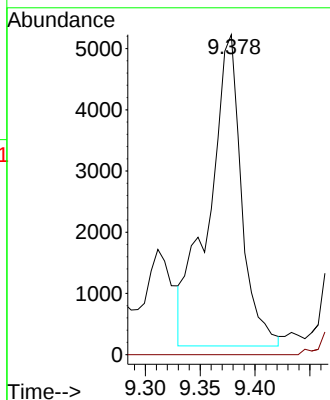
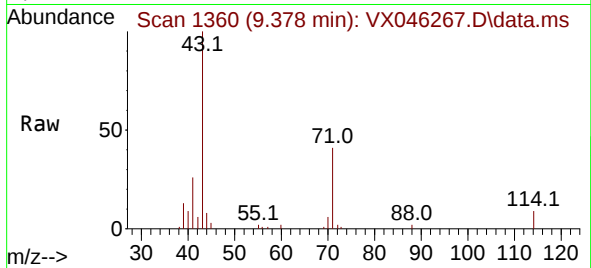




#59
2-Hexanone
Concen: 9.574 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

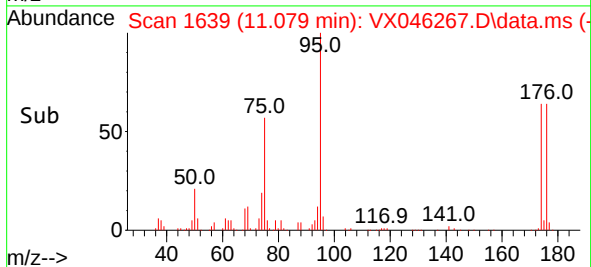
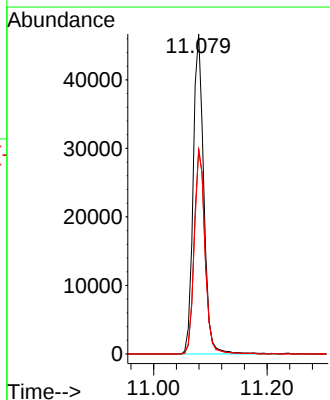
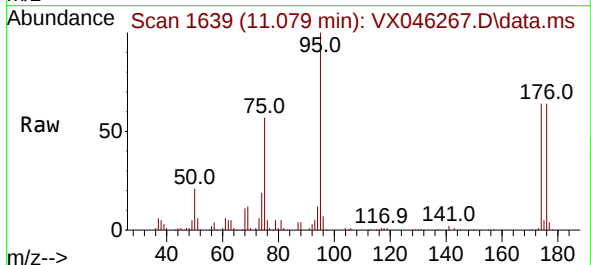
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

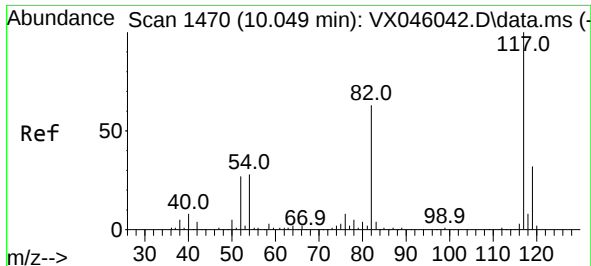
Tgt Ion: 43 Resp: 10475
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.898 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 95 Resp: 60617
Ion Ratio Lower Upper
95 100
174 65.1 0.0 135.8
176 64.6 0.0 131.4

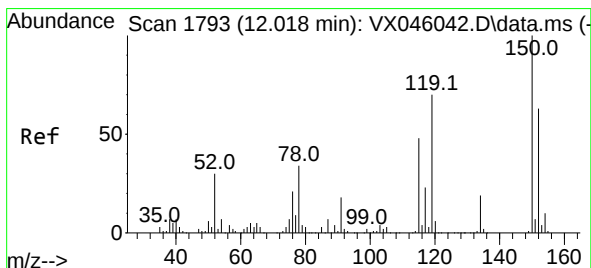
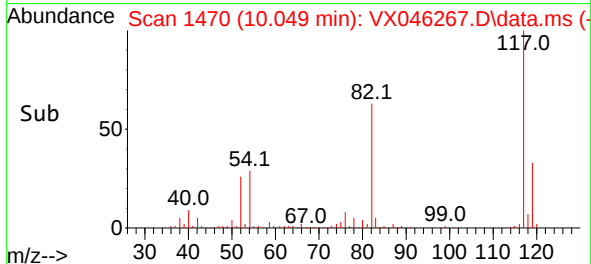
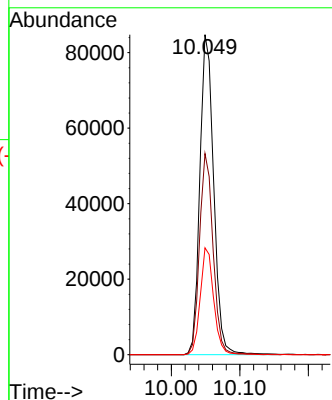
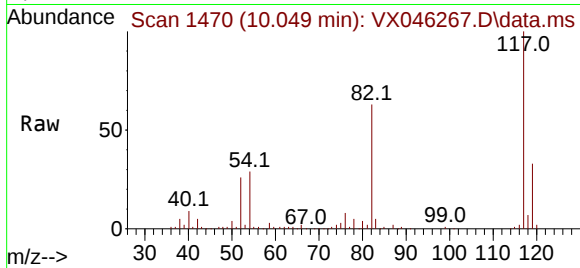




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

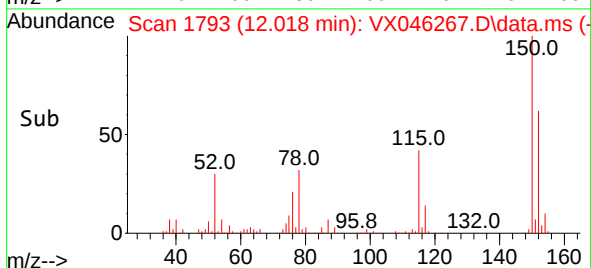
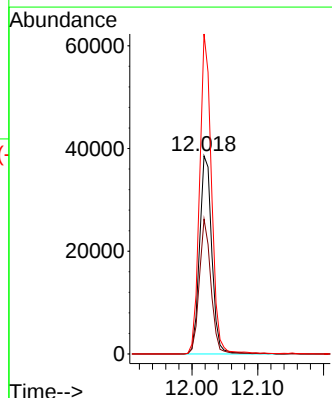
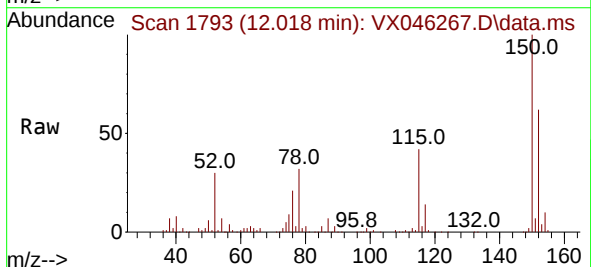
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

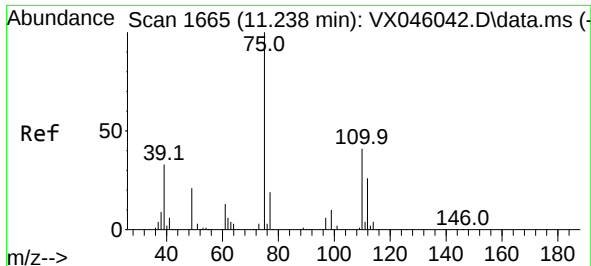
Tgt Ion:117 Resp: 119261
Ion Ratio Lower Upper
117 100
82 62.8 50.6 76.0
119 33.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion:152 Resp: 50017
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 156.7 0.0 351.0

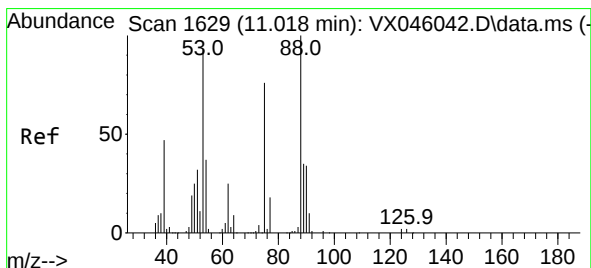
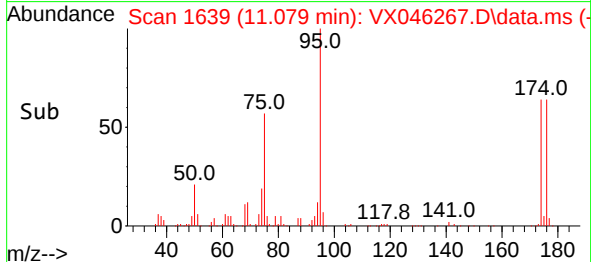
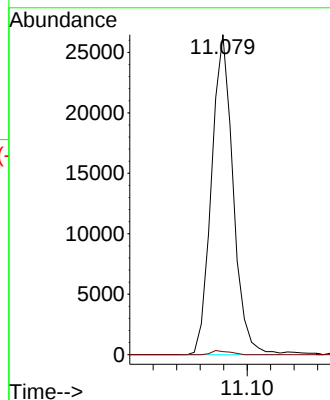
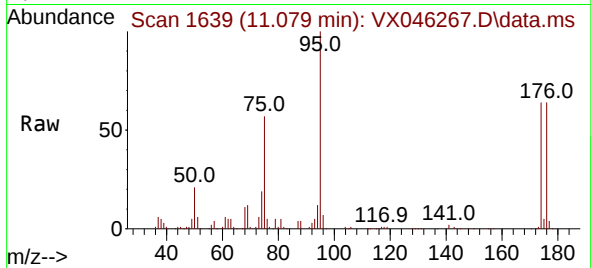




#76
1,2,3-Trichloropropane
Concen: 28.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Instrument :
MSVOA_X
ClientSampleId :
L1-WC-5

Tgt Ion: 75 Resp: 33806
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.418 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046267.D
Acq: 19 May 2025 15:00

Tgt Ion: 75 Resp: 33806
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

