

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048425.D
 Acq On : 31 Oct 2025 12:43
 Operator : JC/MD
 Sample : Q3494-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

Quant Time: Oct 31 23:03:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

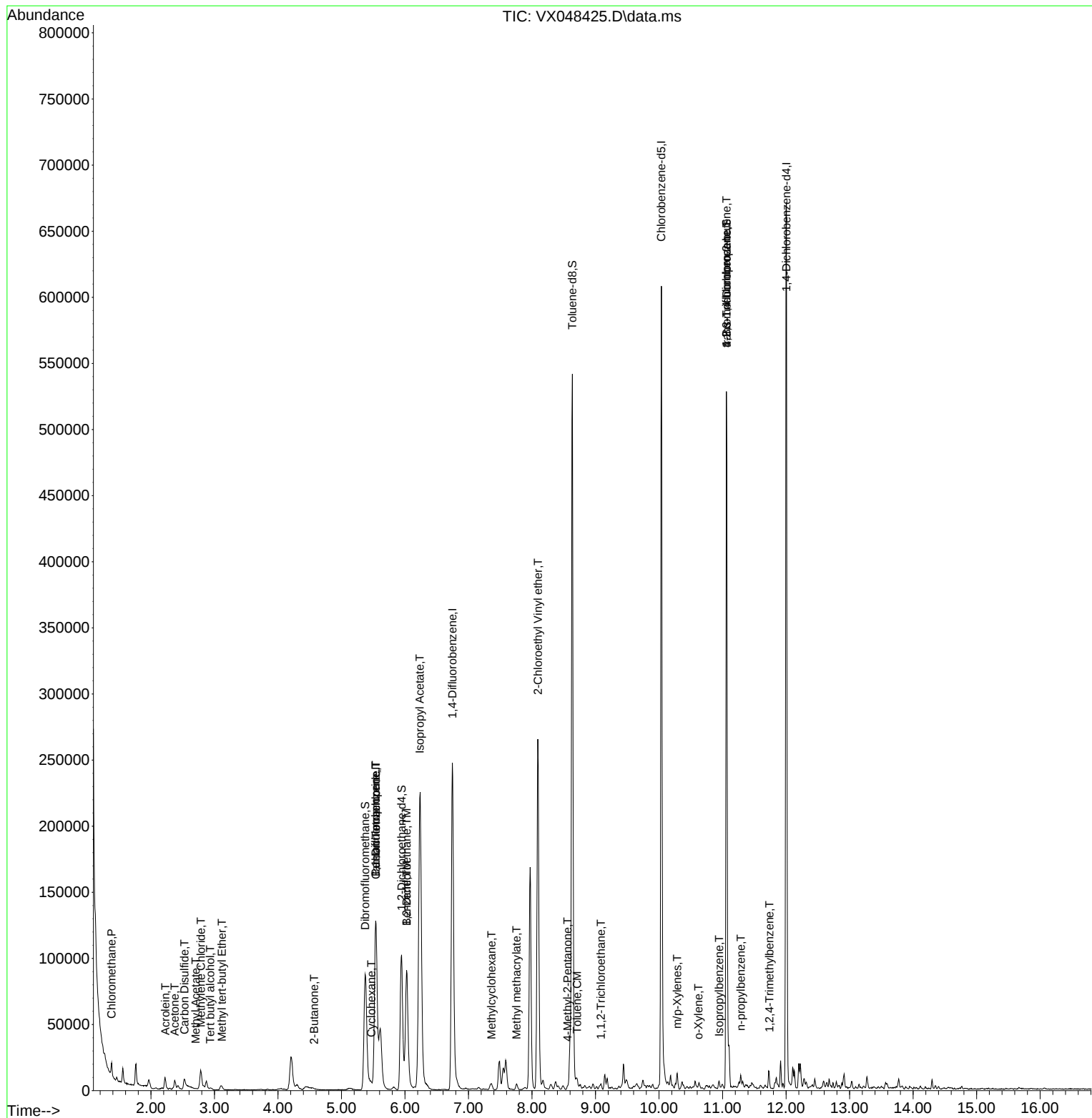
Internal Standards						
1) Pentafluorobenzene	5.538	168	135016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112960	58.175	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.340%			
35) Dibromofluoromethane	5.373	113	88940	56.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.740%			
50) Toluene-d8	8.635	98	339877	49.233	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.460%			
62) 4-Bromofluorobenzene	11.061	95	152267	58.962	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.920%			
Target Compounds					Qvalue	
3) Chloromethane	1.380	50	210	0.270	ug/l #	57
11) Tert butyl alcohol	2.934	59	180	1.210	ug/l #	72
13) Acrolein	2.227	56	256	0.824	ug/l #	1
16) Acetone	2.373	43	9439	21.448	ug/l	91
17) Carbon Disulfide	2.526	76	25217	5.596	ug/l	96
18) Methyl Acetate	2.703	43	722	0.491	ug/l #	64
19) Methyl tert-butyl Ether	3.117	73	1797	0.357	ug/l #	1
20) Methylene Chloride	2.788	84	382	0.225	ug/l #	63
25) 2-Butanone	4.568	43	653	0.929	ug/l #	1
31) Cyclohexane	5.470	56	2390	0.891	ug/l	96
36) 1,1-Dichloropropene	5.538	75	10512	4.003	ug/l #	51
38) Carbon Tetrachloride	5.544	117	14033	4.628	ug/l #	15
39) Methylcyclohexane	7.360	83	1384	0.410	ug/l #	62
40) Benzene	6.025	78	118692	14.793	ug/l	98
42) 1,2-Dichloroethane	6.025	62	1121	0.397	ug/l #	76
43) Isopropyl Acetate	6.233	43	59689	16.158	ug/l #	63
48) Methyl methacrylate	7.757	41	801	0.445	ug/l	87
51) 4-Methyl-2-Pentanone	8.561	43	1420	0.691	ug/l	91
52) Toluene	8.708	92	2766	0.552	ug/l	88
55) 1,1,2-Trichloroethane	9.086	97	1341	0.739	ug/l #	17
58) 2-Chloroethyl Vinyl ether	8.092	63	499	9.598	ug/l #	47
68) m/p-Xylenes	10.287	106	2112	0.493	ug/l	99
69) o-Xylene	10.622	106	861	0.211	ug/l	89
73) Isopropylbenzene	10.945	105	2729	0.246	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	75766	35.144	ug/l #	34
78) n-propylbenzene	11.287	91	5812	0.443	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.061	75	75766	121.619	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.738	105	1856	0.206	ug/l	91

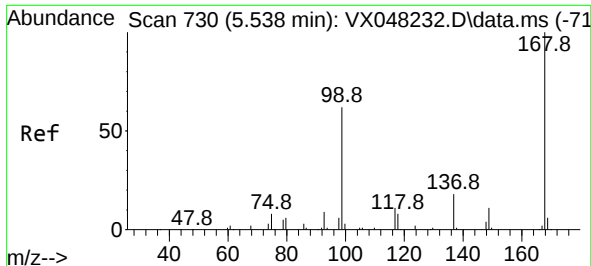
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
Data File : VX048425.D
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Sample : Q3494-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

Quant Time: Oct 31 23:03:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

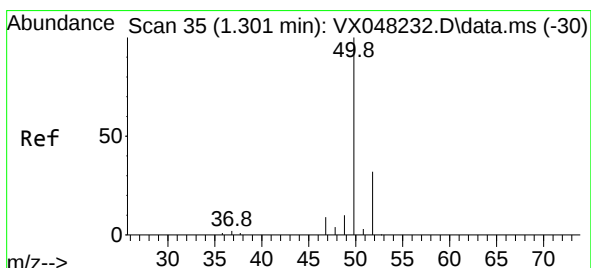
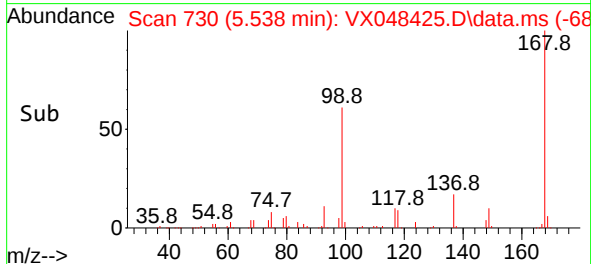
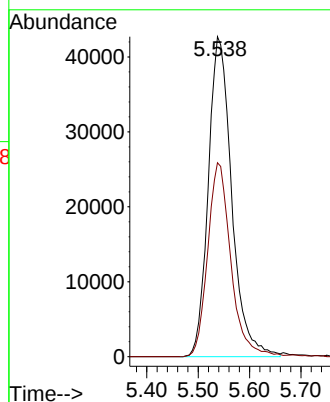
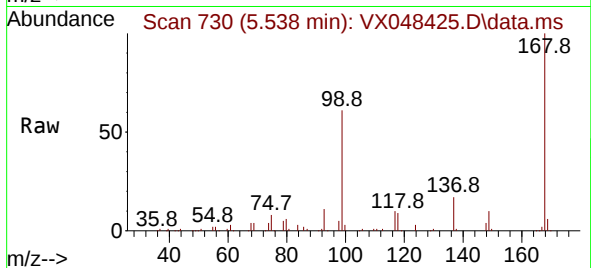




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

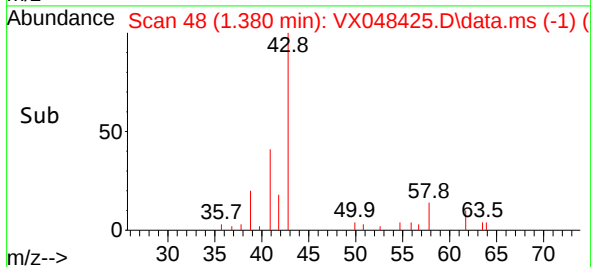
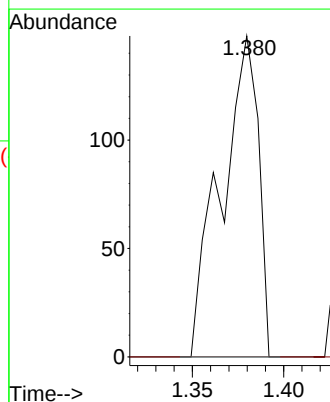
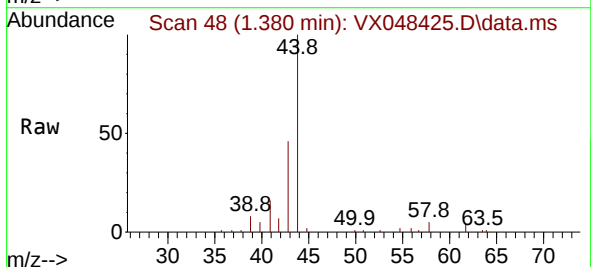
Instrument :
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ClientSampleId :
MW3

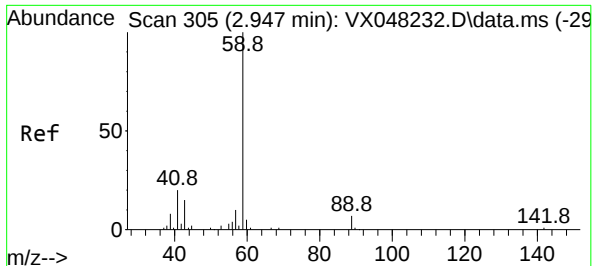
Tgt Ion:168 Resp: 135016
Ion Ratio Lower Upper
168 100
99 60.6 46.4 69.6



#3
Chloromethane
Concen: 0.270 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.079 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 50 Resp: 210
Ion Ratio Lower Upper
50 100
52 56.8 25.9 38.9#

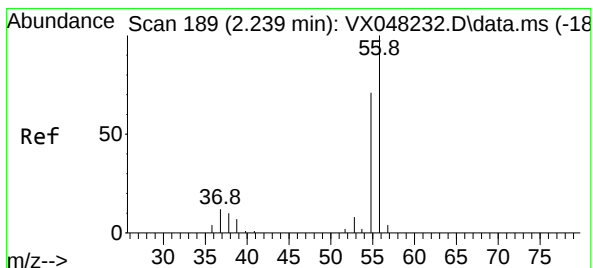
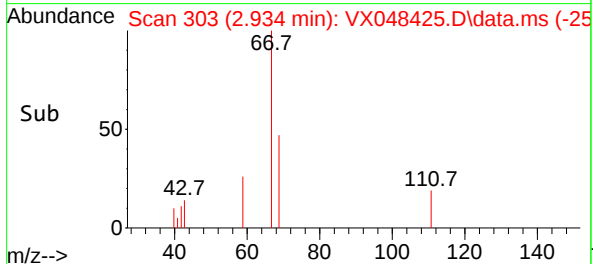
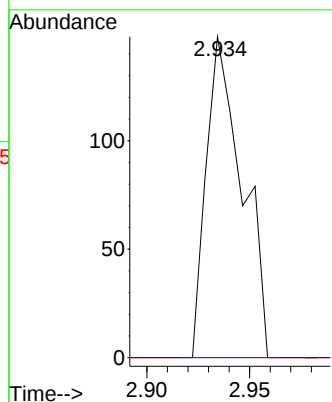
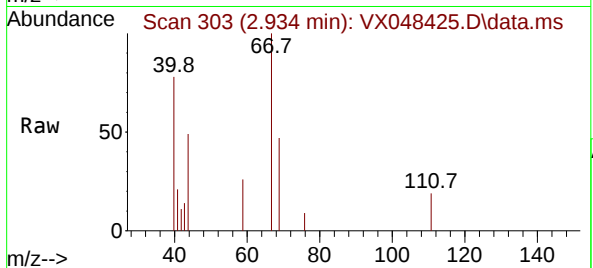




#11
Tert butyl alcohol
Concen: 1.210 ug/l
RT: 2.934 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

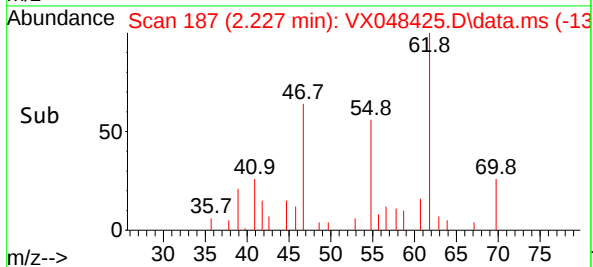
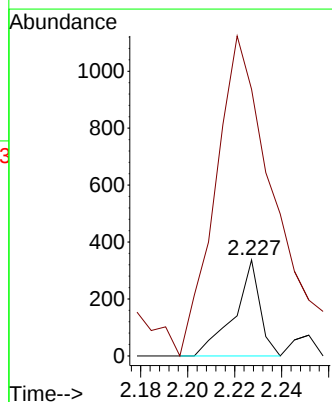
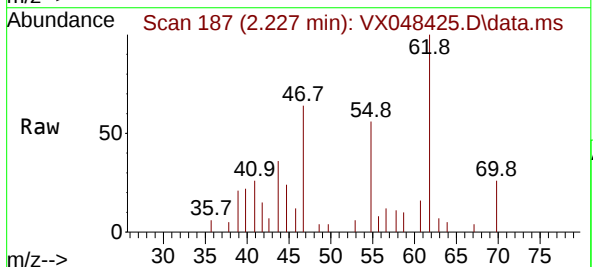
Instrument :
MSVOA_X
ClientSampleId :
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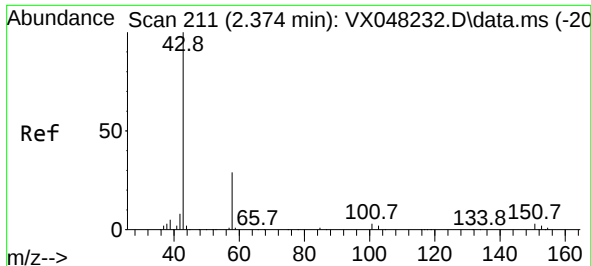
Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.824 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 782.0 56.1 84.1#

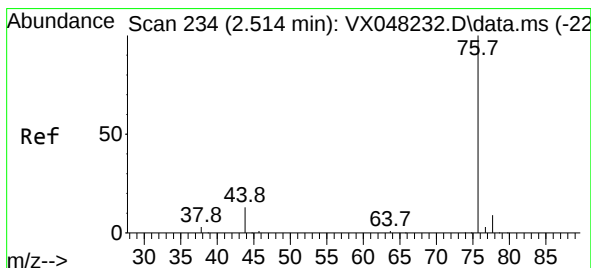
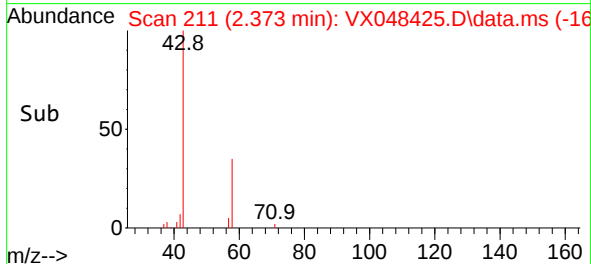
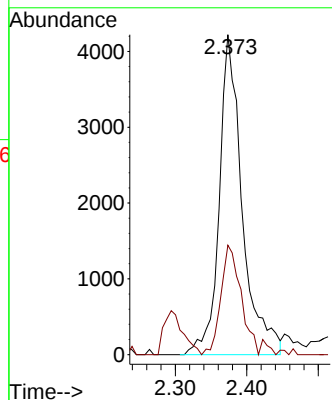
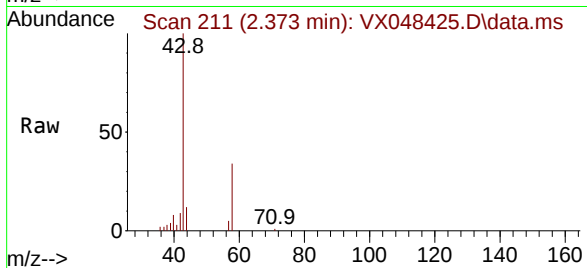




#16
Acetone
Concen: 21.448 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

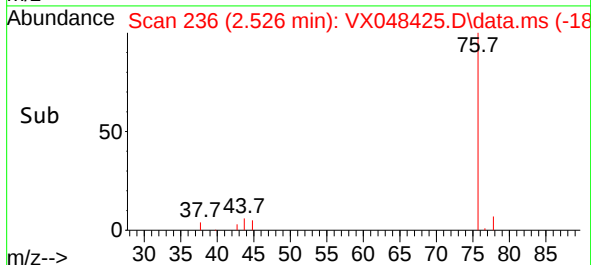
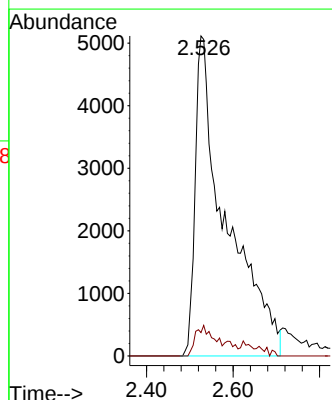
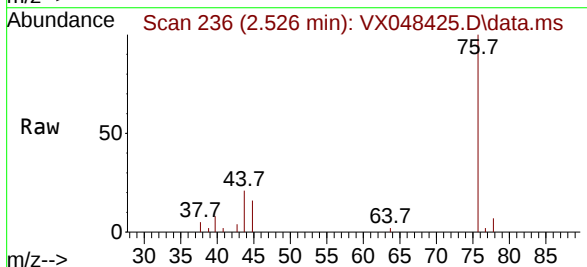
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ClientSampleId :
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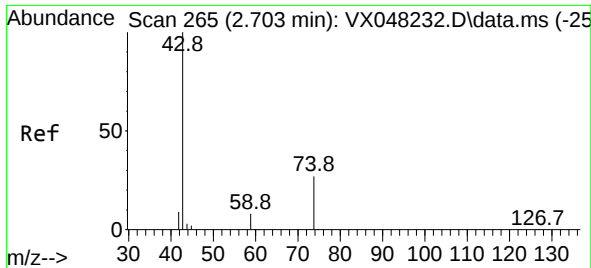
Tgt Ion: 43 Resp: 9439
Ion Ratio Lower Upper
43 100
58 34.3 23.4 35.2



#17
Carbon Disulfide
Concen: 5.596 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 76 Resp: 25217
Ion Ratio Lower Upper
76 100
78 7.3 7.1 10.7

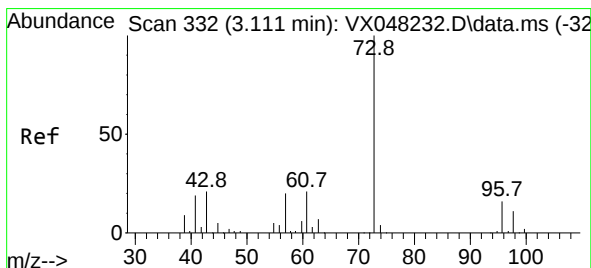
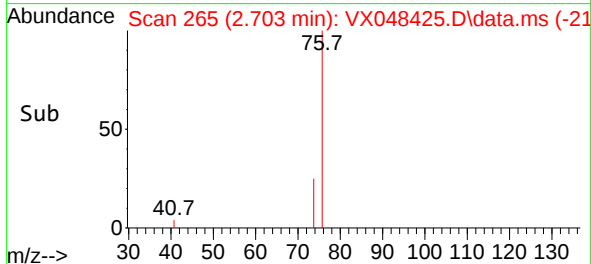
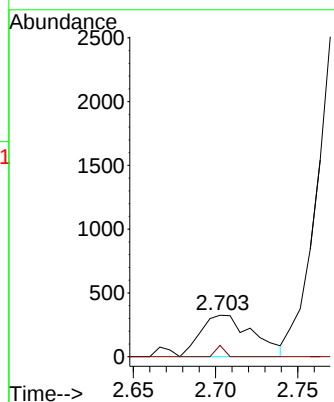
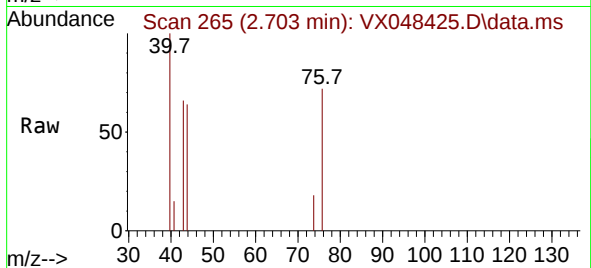




#18
Methyl Acetate
Concen: 0.491 ug/l
RT: 2.703 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

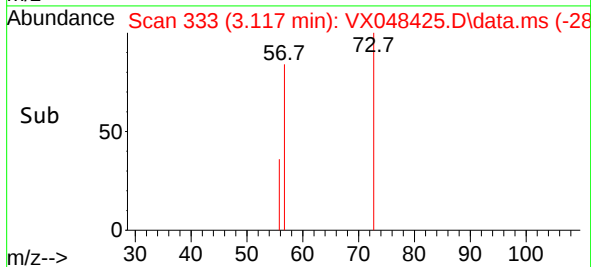
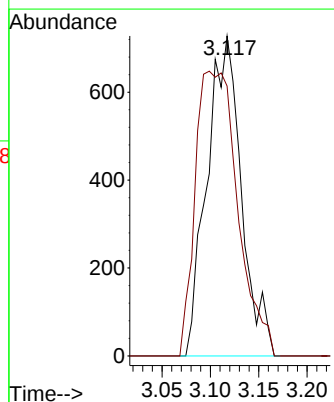
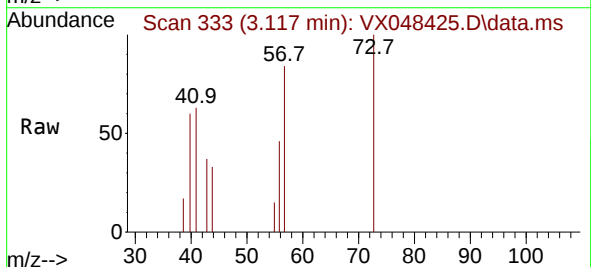
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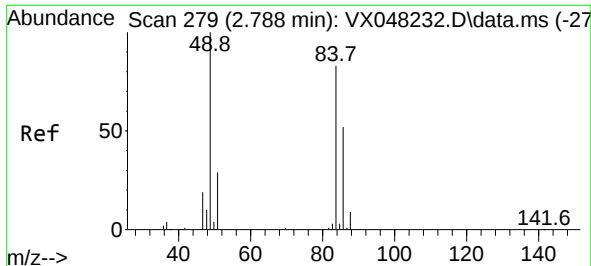
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 4.6 17.5 26.3#



#19
Methyl tert-butyl Ether
Concen: 0.357 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 73 Resp: 1797
Ion Ratio Lower Upper
73 100
57 84.3 17.7 26.5#

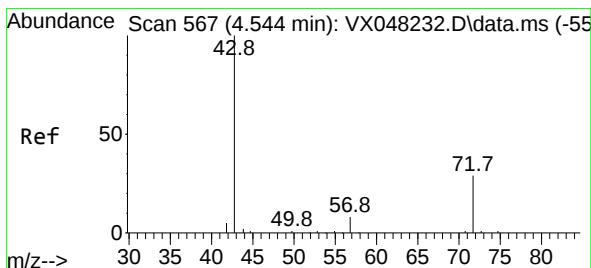
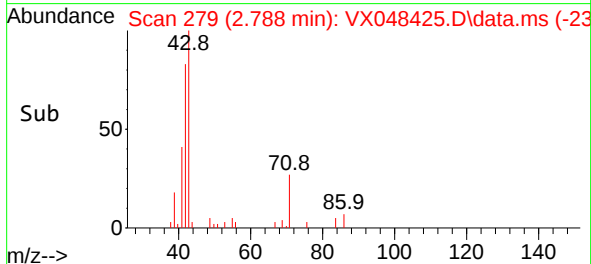
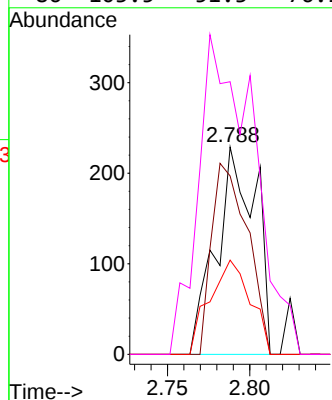
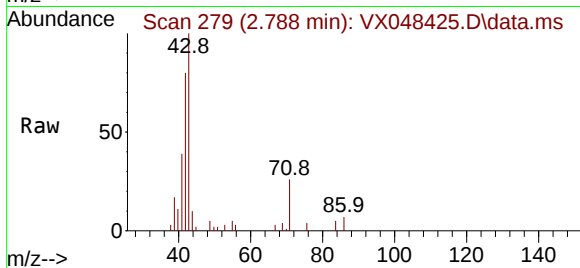




#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

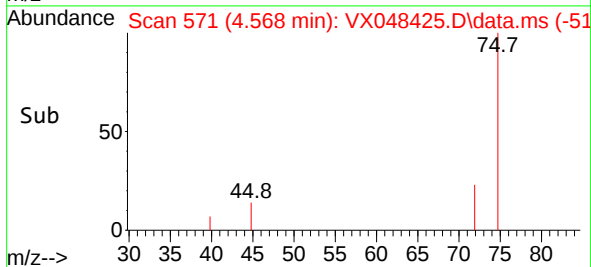
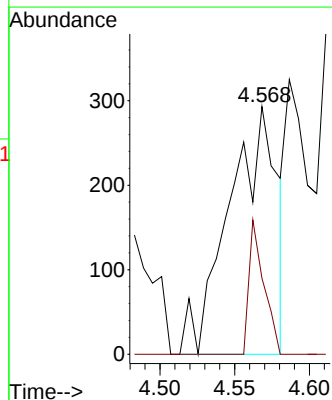
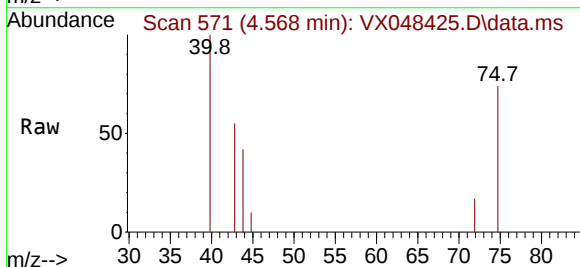
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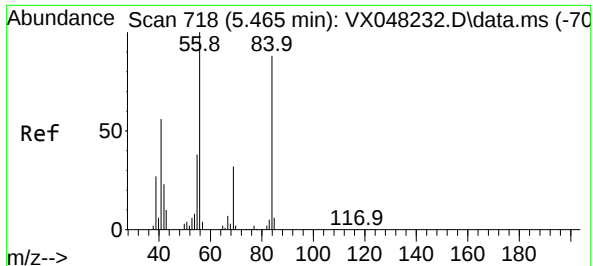
Tgt Ion:	84	Resp:	382
Ion	Ratio	Lower	Upper
84	100		
49	86.0	104.1	156.1#
51	45.4	31.3	46.9
86	103.5	51.3	76.9#



#25
2-Butanone
Concen: 0.929 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.031 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion:	43	Resp:	653
Ion	Ratio	Lower	Upper
43	100		
72	78.9	19.9	29.9#

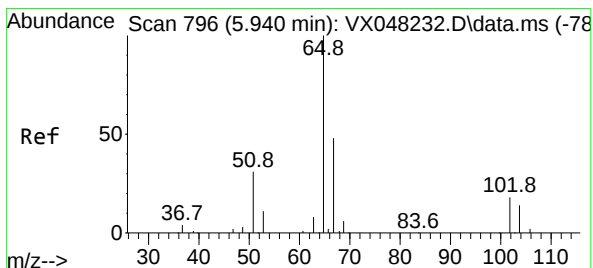
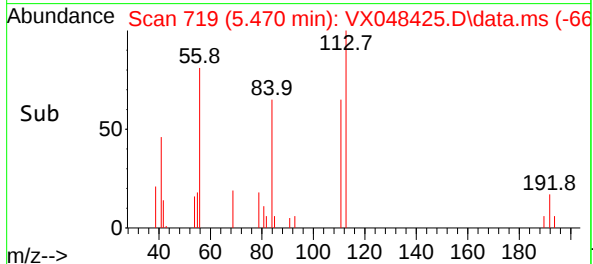
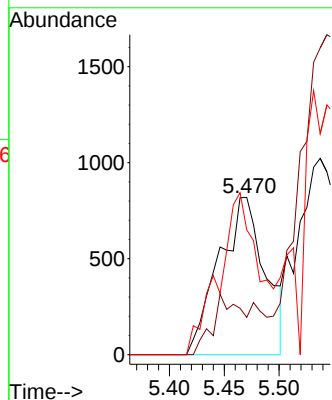
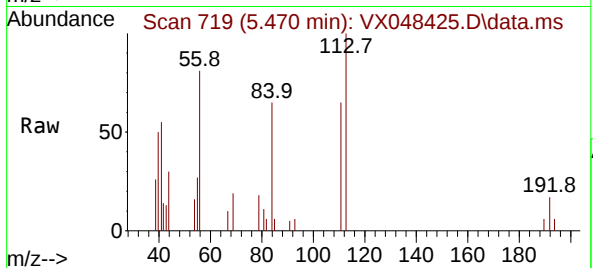




#31
Cyclohexane
Concen: 0.891 ug/l
RT: 5.470 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

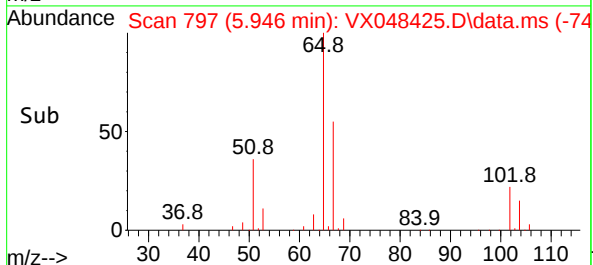
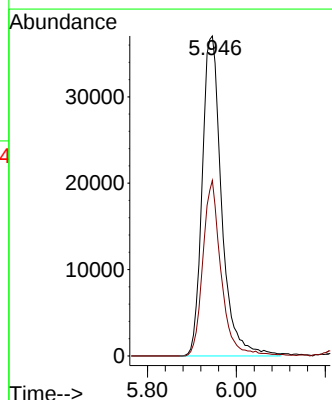
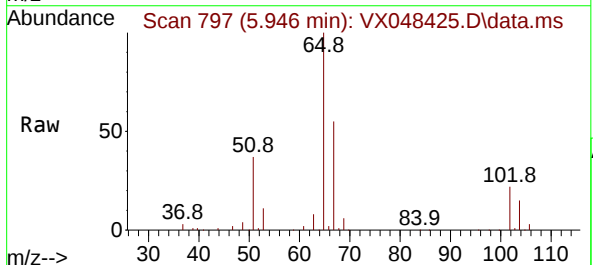
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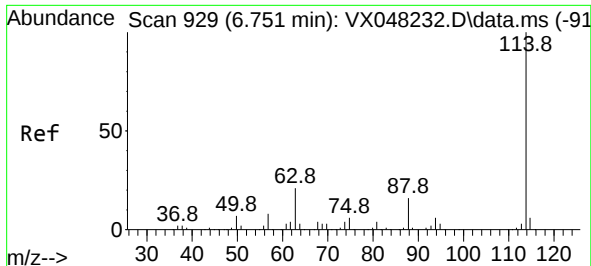
Tgt Ion: 56 Resp: 2390
Ion Ratio Lower Upper
56 100
69 23.7 23.0 34.6
84 79.4 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 58.175 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 65 Resp: 112960
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0

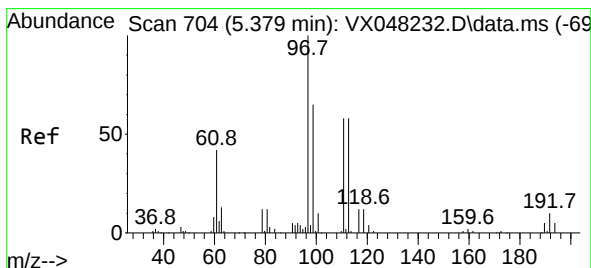
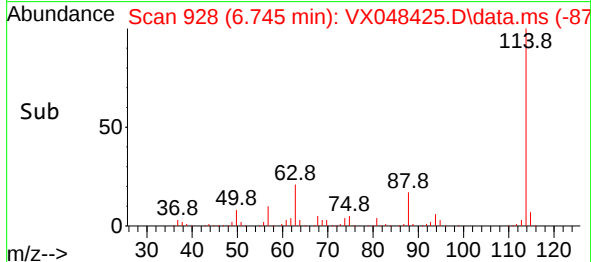
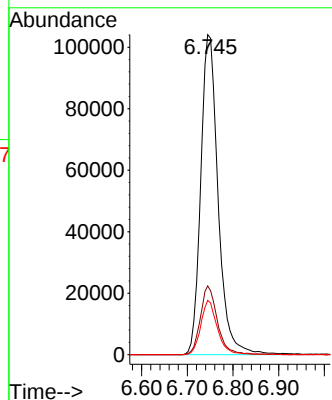
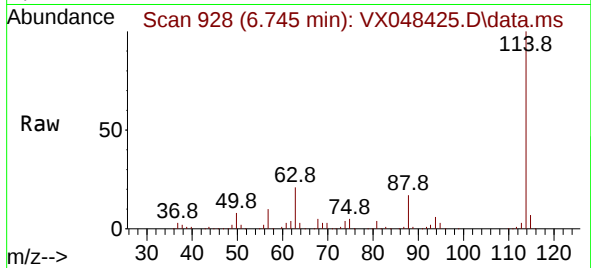




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

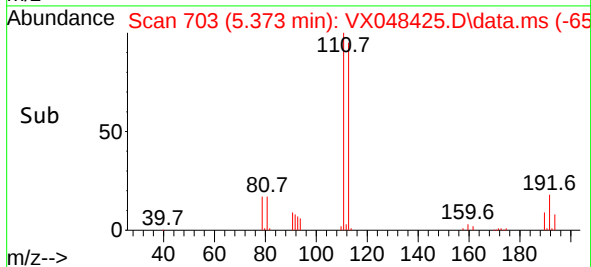
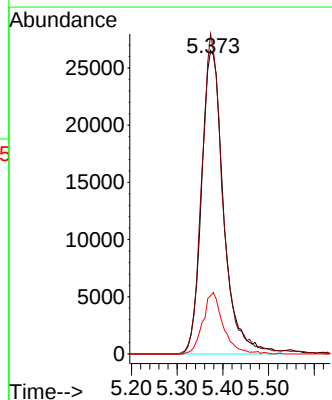
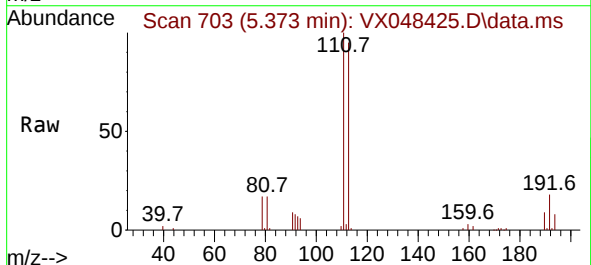
Instrument :
MSVOA_X
ClientSampleId :
MW3

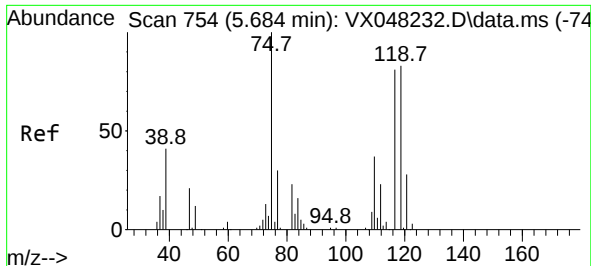
Tgt Ion:114 Resp: 274304
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.2
88 17.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 56.870 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion:113 Resp: 88940
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.4
192 18.8 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.003 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX048425.D

Acq: 31 Oct 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :

MW3

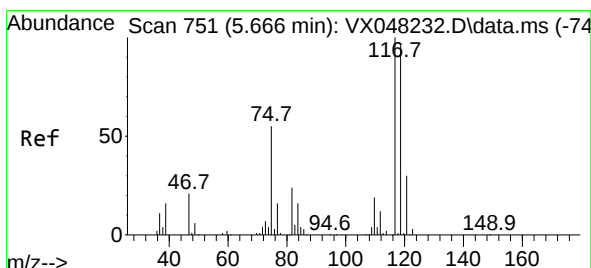
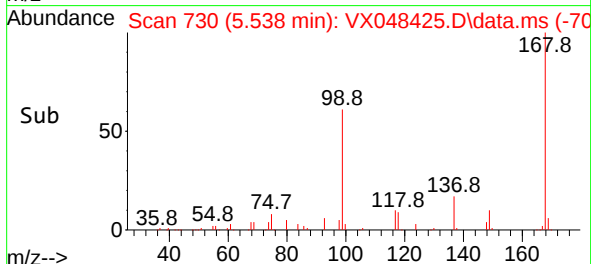
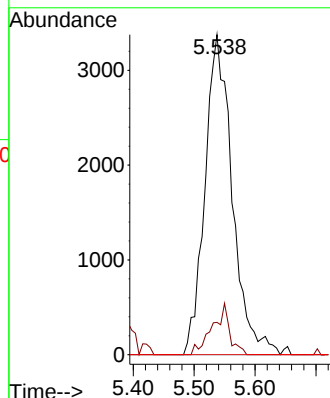
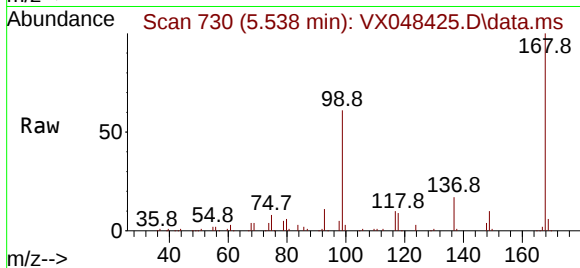
Tgt Ion: 75 Resp: 10512

Ion Ratio Lower Upper

75 100

110 10.2 17.7 53.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.628 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.122 min

Lab File: VX048425.D

Acq: 31 Oct 2025 12:43

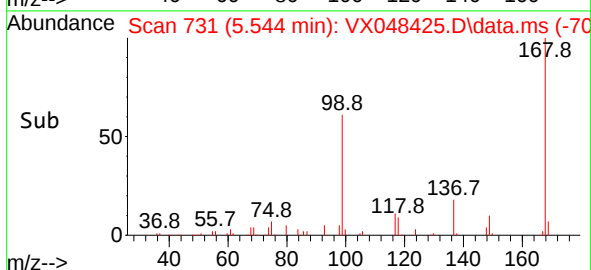
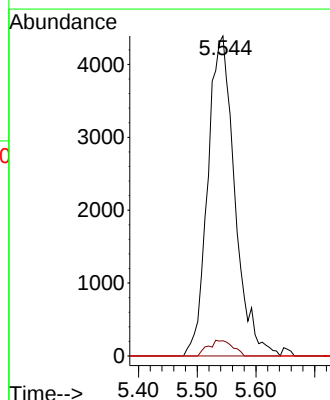
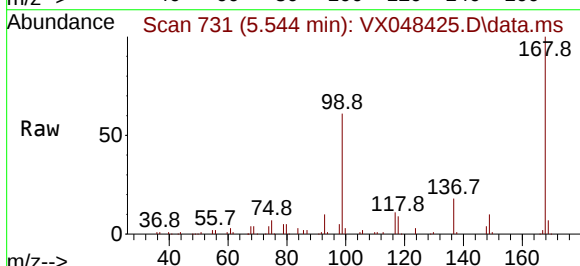
Tgt Ion: 117 Resp: 14033

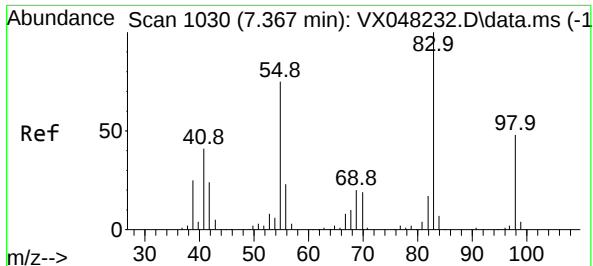
Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

121 0.0 24.8 37.2#

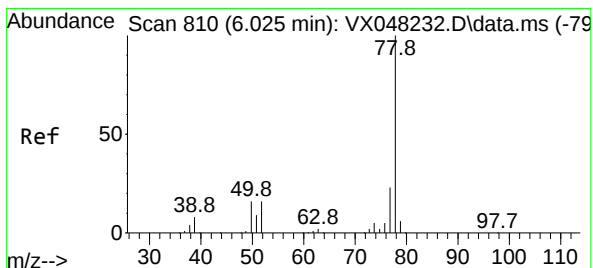
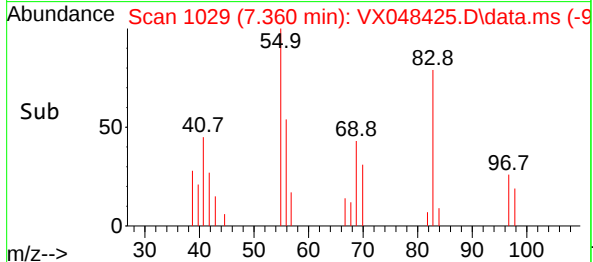
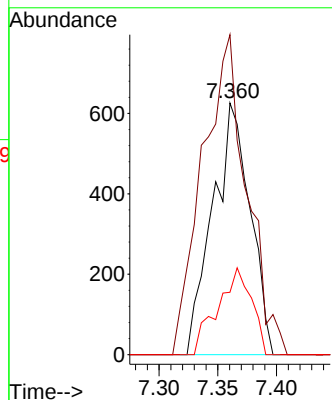
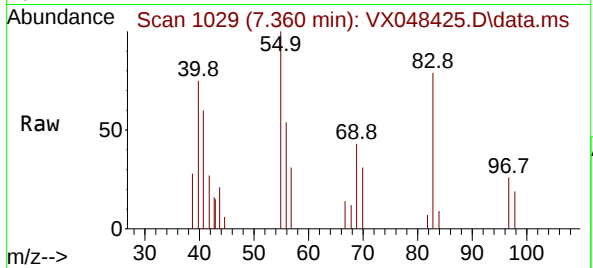




#39
Methylcyclohexane
Concen: 0.410 ug/l
RT: 7.360 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

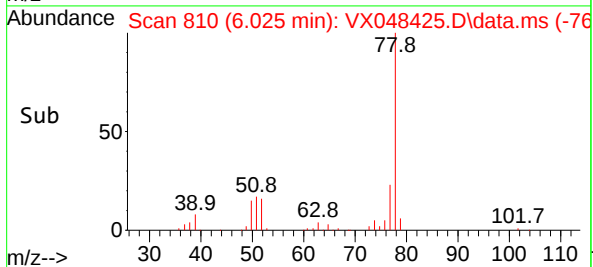
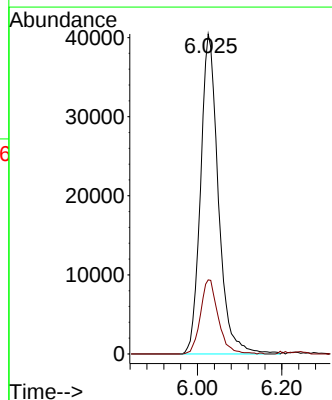
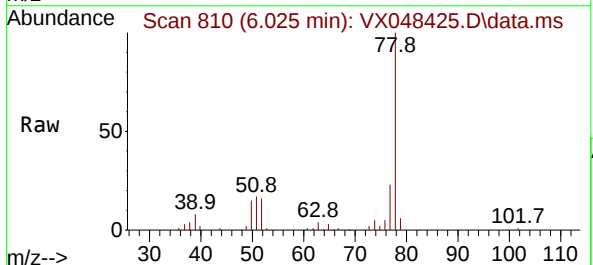
Instrument :
MSVOA_X
ClientSampleId :
MW3

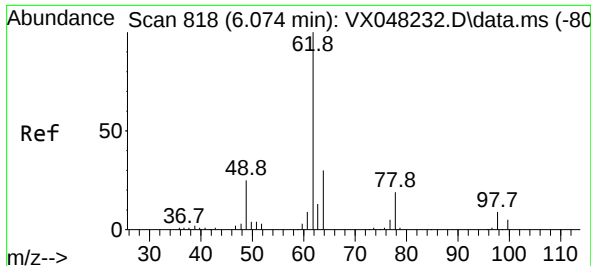
Tgt Ion: 83 Resp: 1384
Ion Ratio Lower Upper
83 100
55 118.5 66.2 99.2#
98 24.8 38.9 58.3#



#40
Benzene
Concen: 14.793 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 78 Resp: 118692
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9





#42

1,2-Dichloroethane

Concen: 0.397 ug/l

RT: 6.025 min Scan# 81

Delta R.T. -0.049 min

Lab File: VX048425.D

Acq: 31 Oct 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :

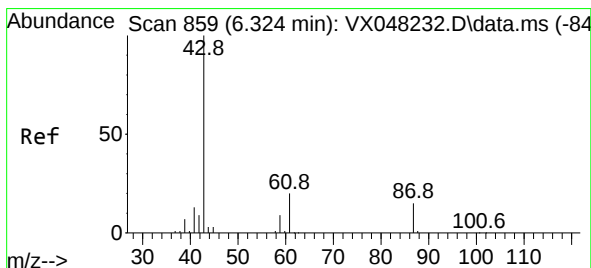
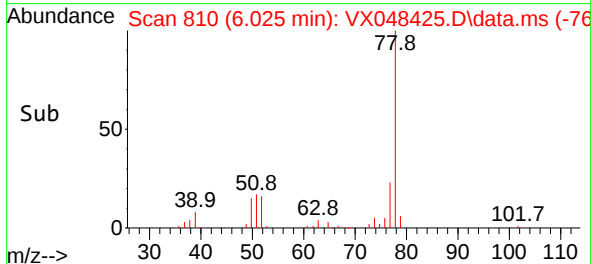
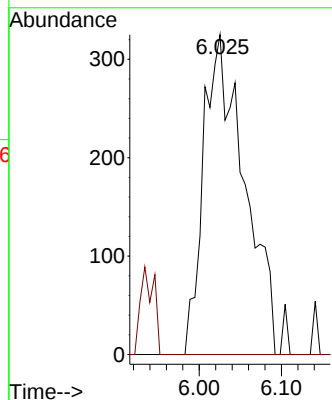
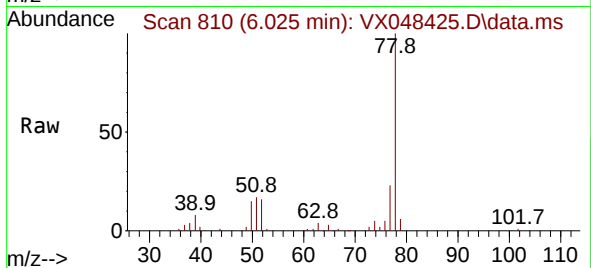
MW3

Tgt Ion: 62 Resp: 1121

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



#43

Isopropyl Acetate

Concen: 16.158 ug/l

RT: 6.233 min Scan# 844

Delta R.T. -0.091 min

Lab File: VX048425.D

Acq: 31 Oct 2025 12:43

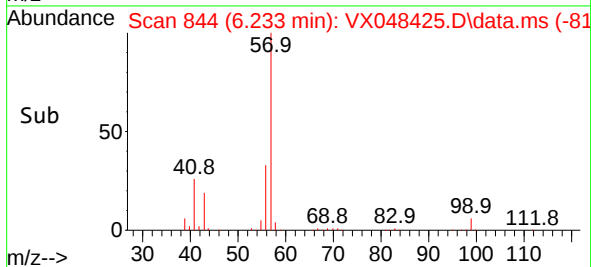
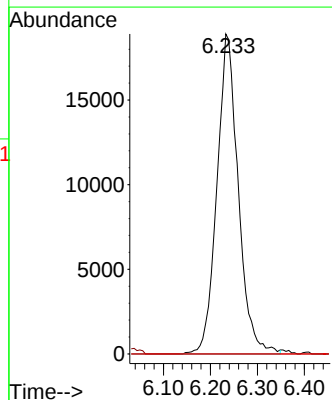
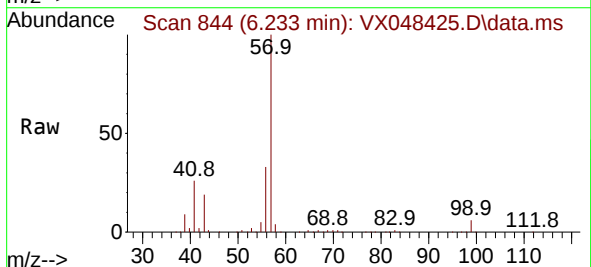
Tgt Ion: 43 Resp: 59689

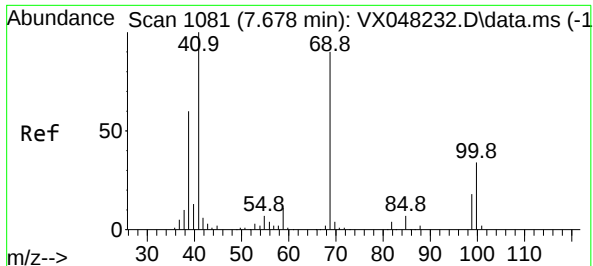
Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

87 0.0 9.4 14.2#

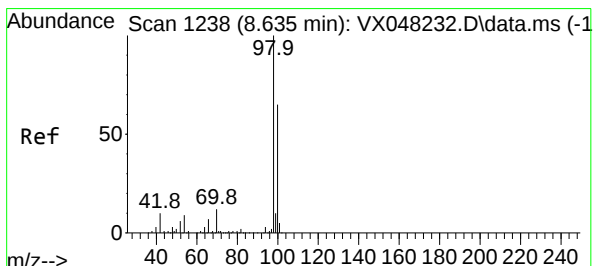
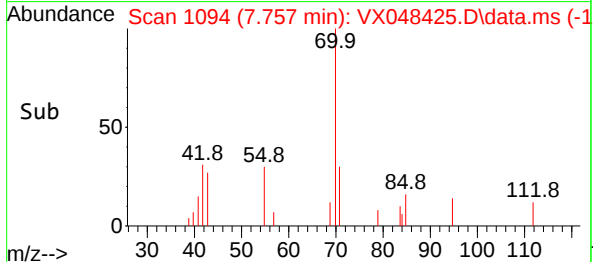
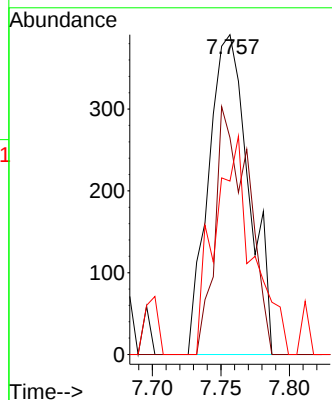
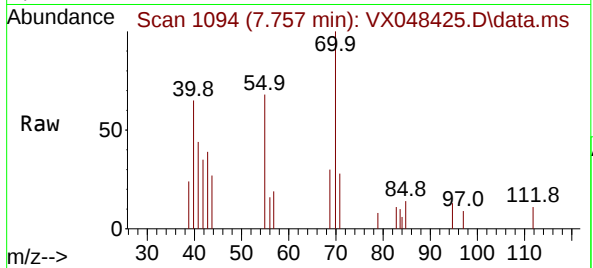




#48
Methyl methacrylate
Concen: 0.445 ug/l
RT: 7.757 min Scan# 1094
Delta R.T. 0.079 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

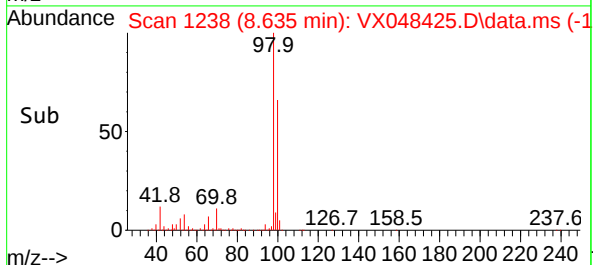
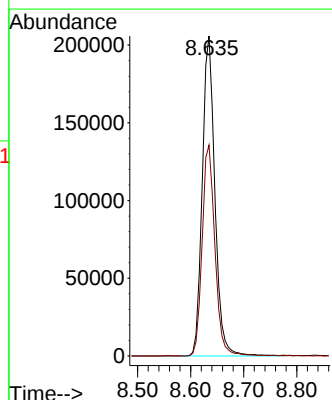
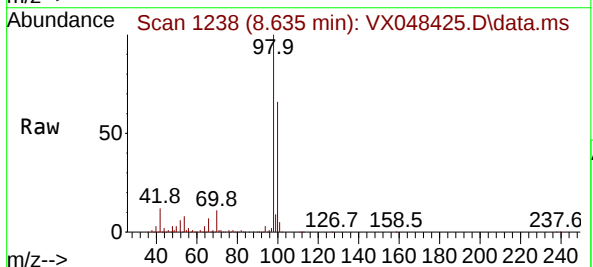
Instrument :
MSVOA_X
ClientSampleId :
MW3

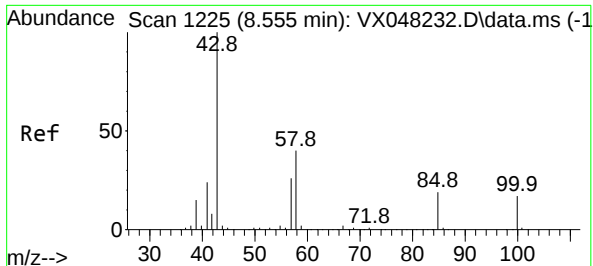
Tgt Ion: 41 Resp: 801
Ion Ratio Lower Upper
41 100
69 63.7 63.4 95.0
39 64.3 47.1 70.7



#50
Toluene-d8
Concen: 49.233 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 98 Resp: 339877
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

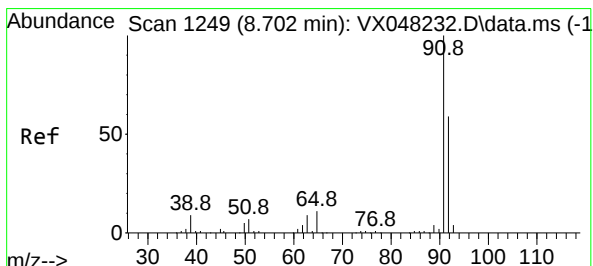
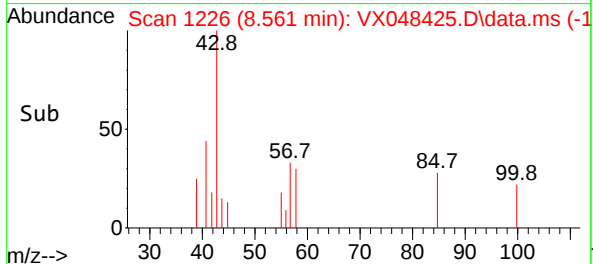
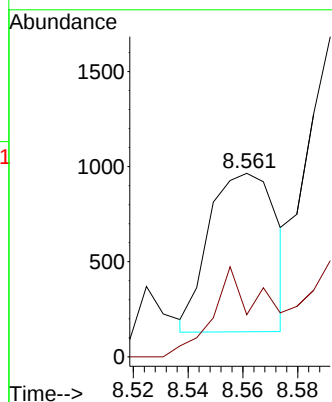
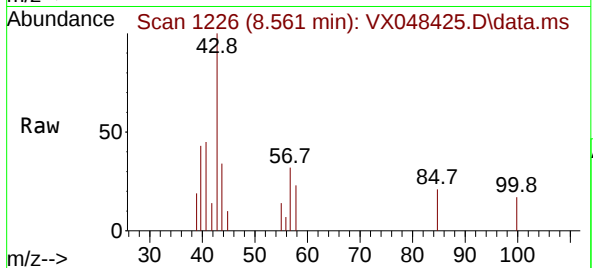




#51
4-Methyl-2-Pentanone
Concen: 0.691 ug/l
RT: 8.561 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

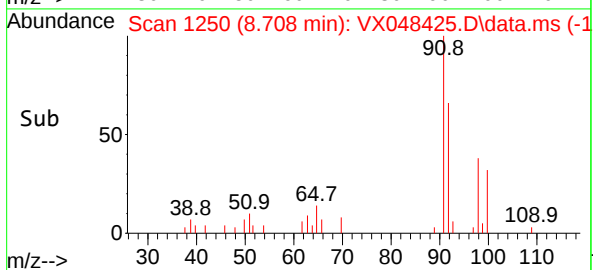
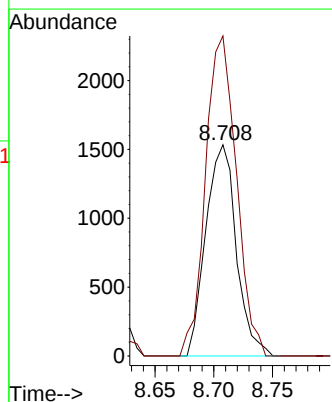
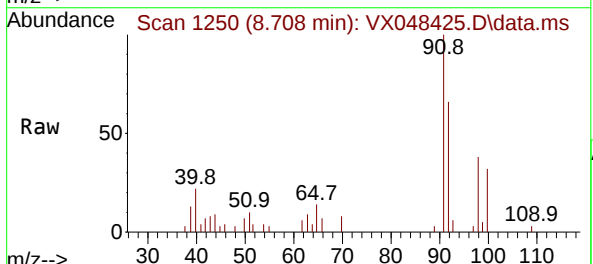
Instrument :
MSVOA_X
ClientSampleId :
MW3

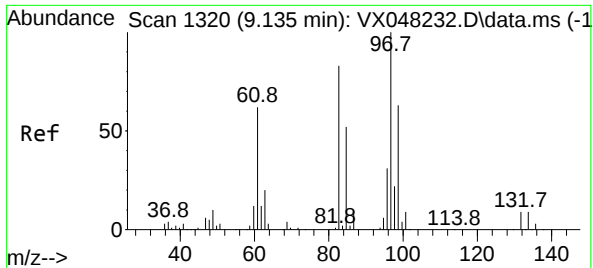
Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
58 42.5 29.5 44.3



#52
Toluene
Concen: 0.552 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 92 Resp: 2766
Ion Ratio Lower Upper
92 100
91 153.6 136.1 204.1

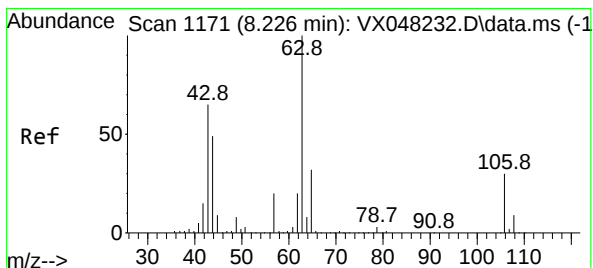
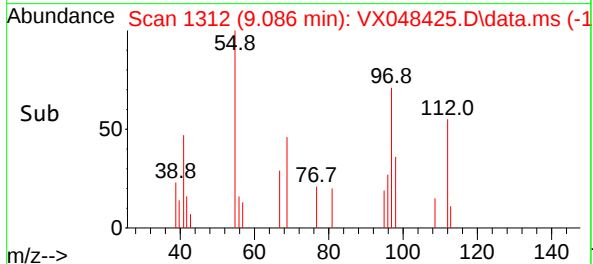
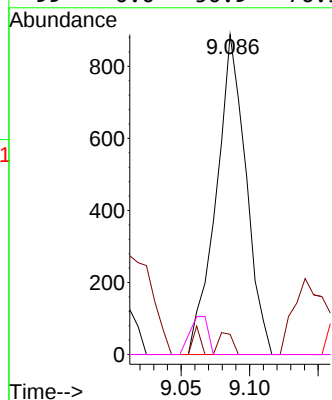
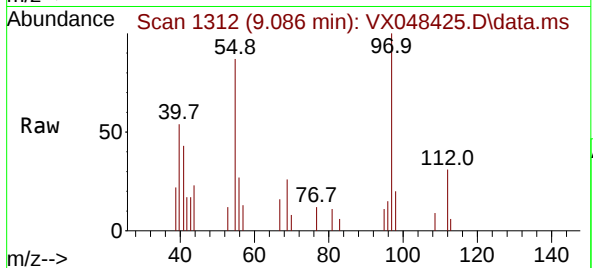




#55
 1,1,2-Trichloroethane
 Concen: 0.739 ug/l
 RT: 9.086 min Scan# 1149
 Delta R.T. -0.049 min
 Lab File: VX048425.D
 Acq: 31 Oct 2025 12:43

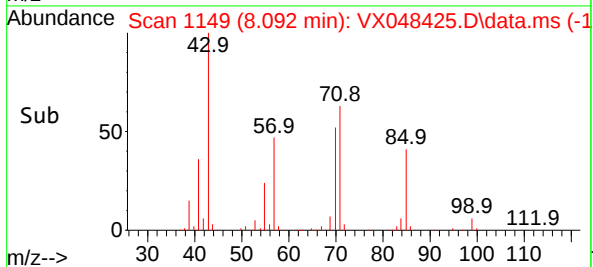
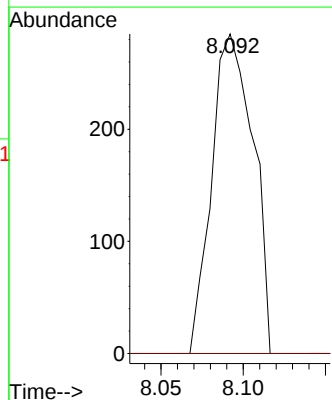
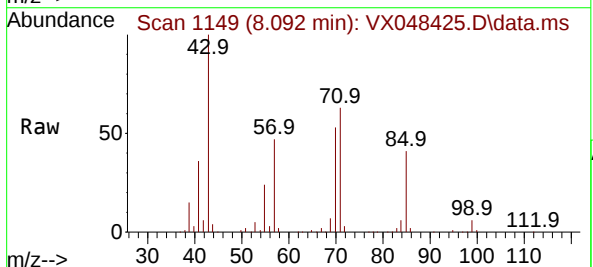
Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

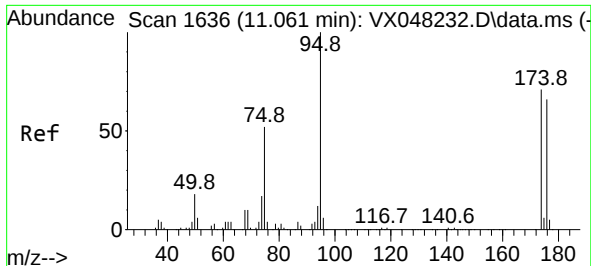
Tgt Ion: 97	Resp:	1341
Ion	Ratio	Lower Upper
97	100	
83	6.3	70.6 105.8#
85	0.0	45.0 67.6#
99	0.0	50.9 76.3#



#58
 2-Chloroethyl Vinyl ether
 Concen: 9.598 ug/l
 RT: 8.092 min Scan# 1149
 Delta R.T. -0.134 min
 Lab File: VX048425.D
 Acq: 31 Oct 2025 12:43

Tgt Ion: 63	Resp:	499
Ion	Ratio	Lower Upper
63	100	
106	0.0	22.2 33.2#

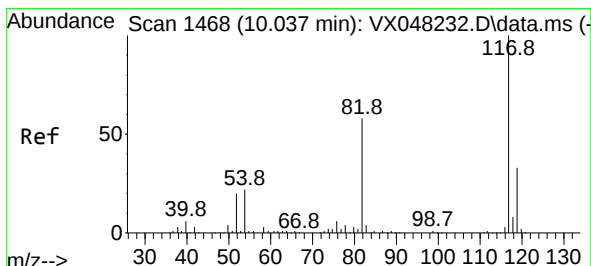
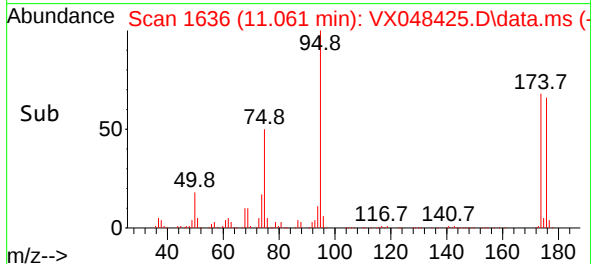
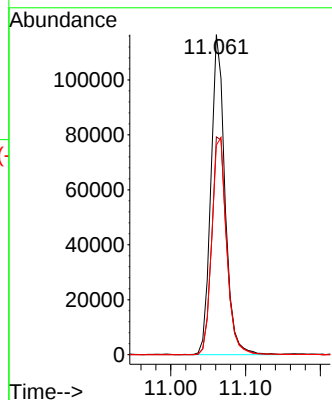
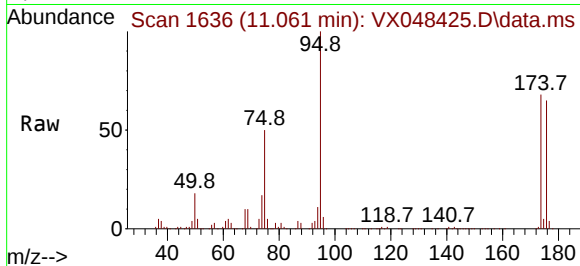




#62
4-Bromofluorobenzene
Concen: 58.962 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

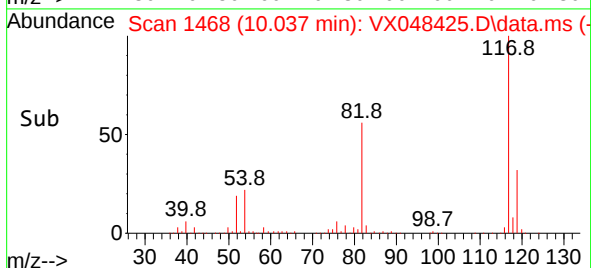
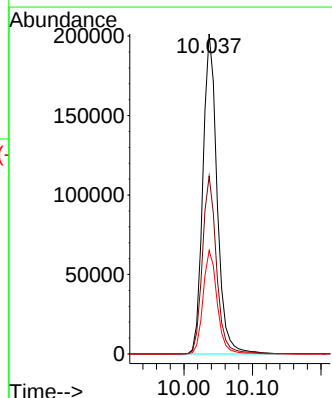
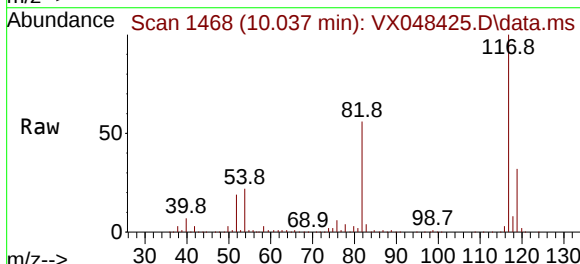
Instrument :
MSVOA_X
ClientSampleId :
MW3

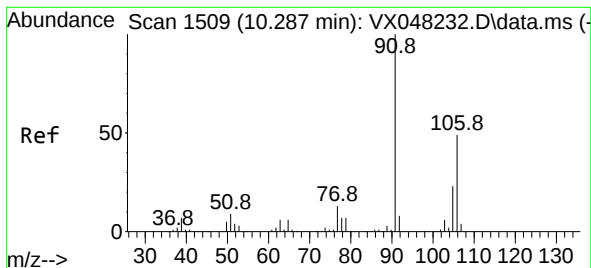
Tgt Ion: 95 Resp: 152267
Ion Ratio Lower Upper
95 100
174 72.4 0.0 147.8
176 71.3 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 117 Resp: 291423
Ion Ratio Lower Upper
117 100
82 55.6 46.5 69.7
119 32.4 25.9 38.9

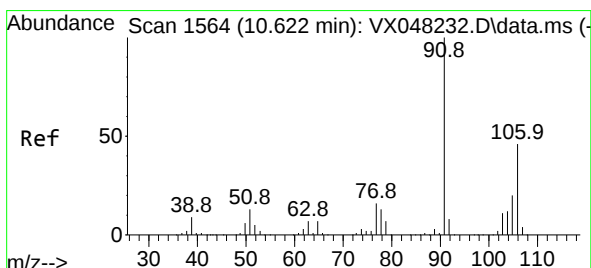
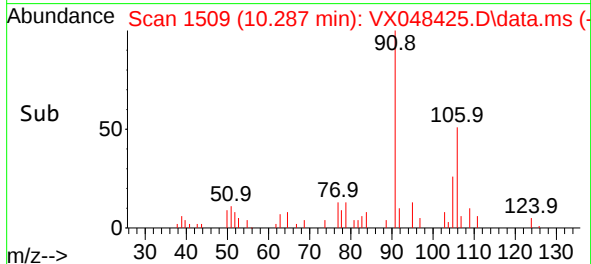
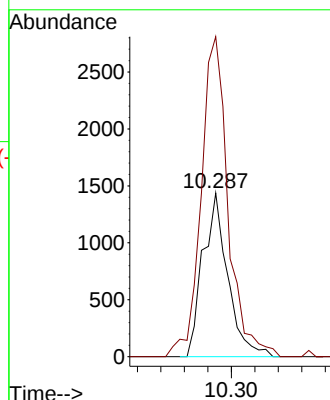
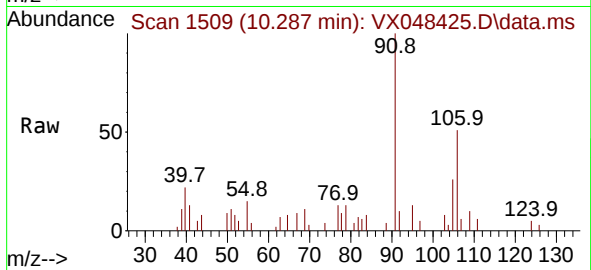




#68
m/p-Xylenes
Concen: 0.493 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

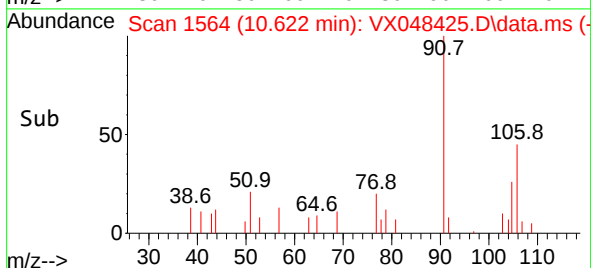
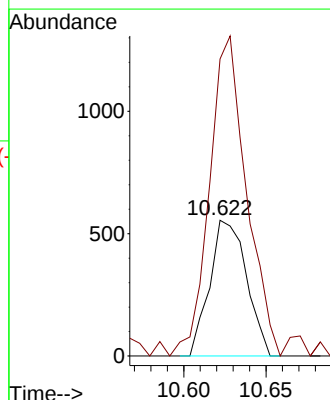
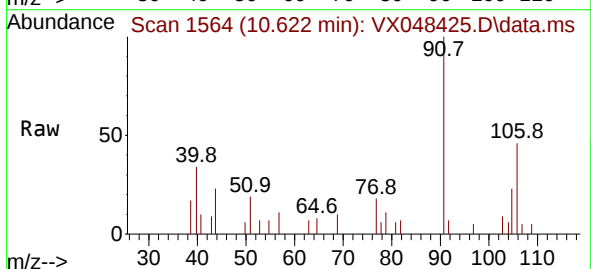
Instrument :
MSVOA_X
ClientSampleId :
MW3

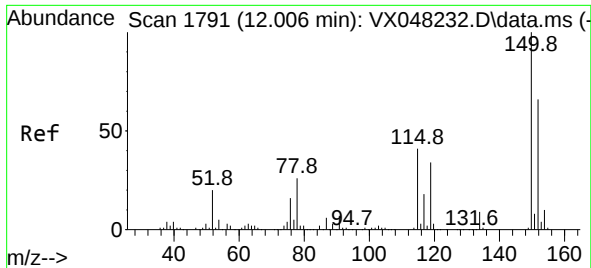
Tgt Ion:106 Resp: 2112
Ion Ratio Lower Upper
106 100
91 211.7 167.9 251.9



#69
o-Xylene
Concen: 0.211 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion:106 Resp: 861
Ion Ratio Lower Upper
106 100
91 240.1 111.3 333.9

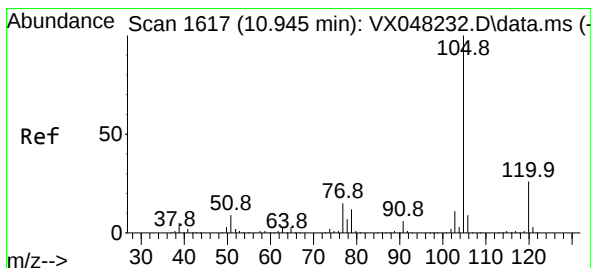
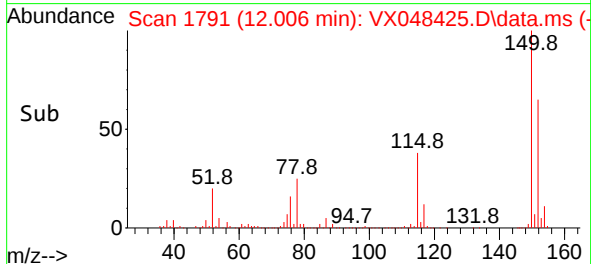
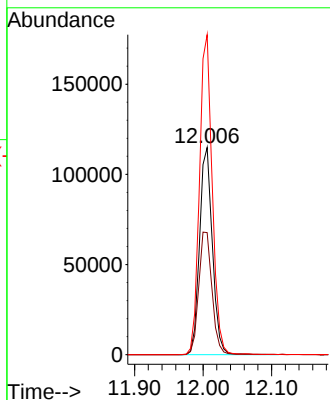
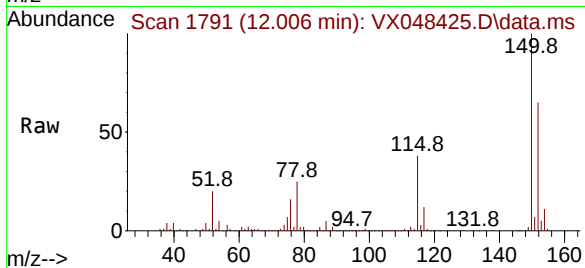




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX048425.D
 Acq: 31 Oct 2025 12:43

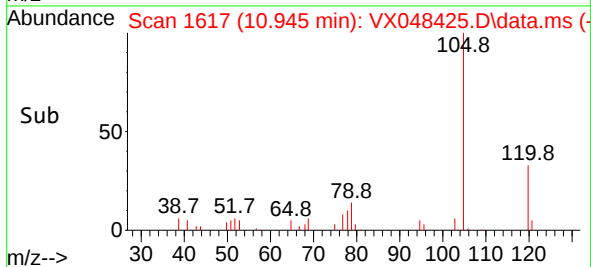
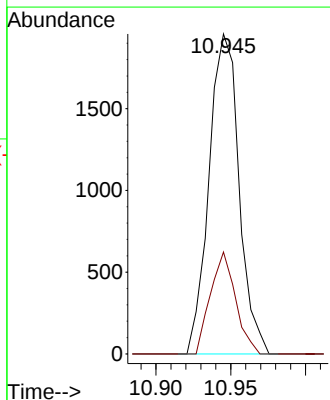
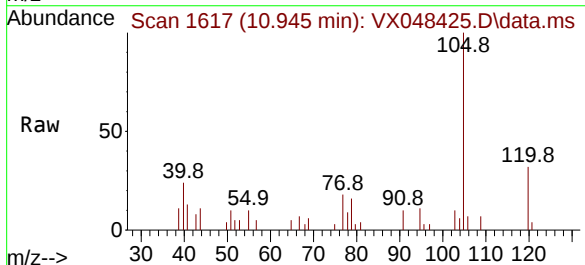
Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

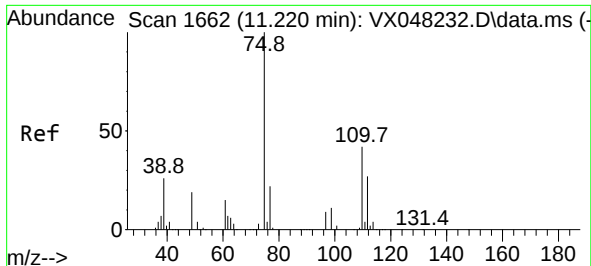
Tgt Ion:152 Resp: 149909
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.1 129.4
 150 153.7 0.0 353.0



#73
 Isopropylbenzene
 Concen: 0.246 ug/l
 RT: 10.945 min Scan# 1617
 Delta R.T. 0.000 min
 Lab File: VX048425.D
 Acq: 31 Oct 2025 12:43

Tgt Ion:105 Resp: 2729
 Ion Ratio Lower Upper
 105 100
 120 26.6 13.0 38.9

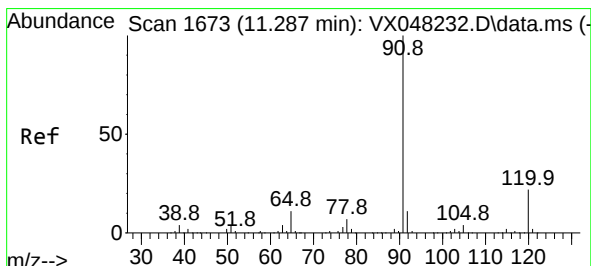
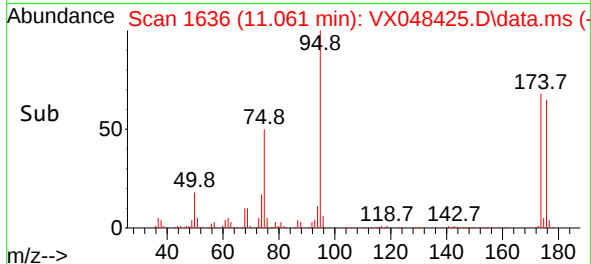
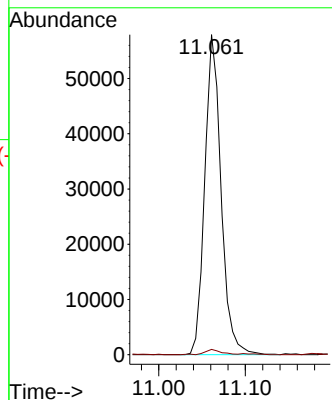
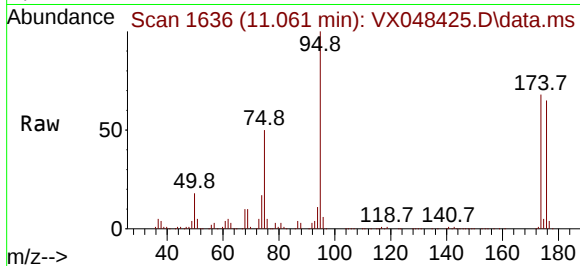




#76
1,2,3-Trichloropropane
Concen: 35.144 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

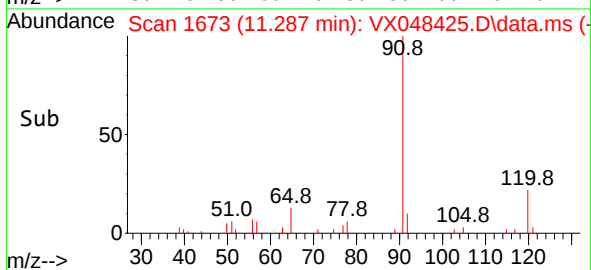
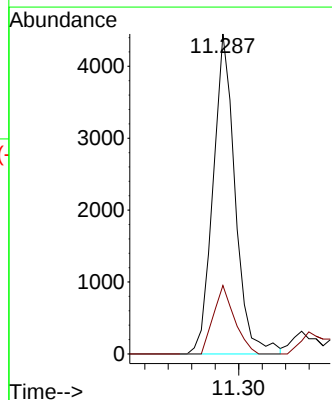
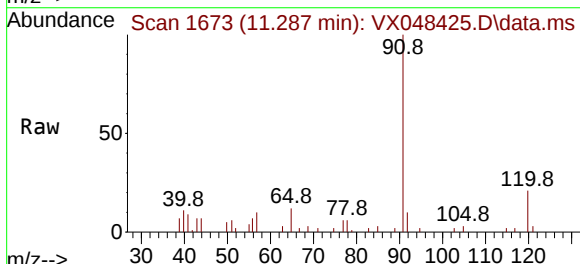
Instrument :
MSVOA_X
ClientSampleId :
MW3

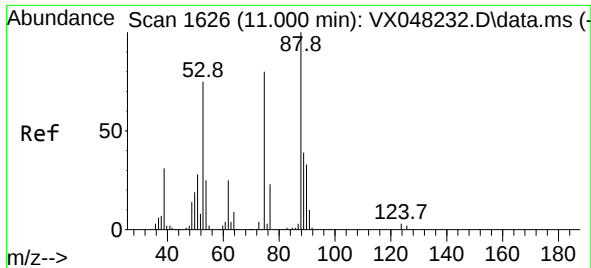
Tgt Ion: 75 Resp: 75766
Ion Ratio Lower Upper
75 100
77 1.7 22.4 67.2#



#78
n-propylbenzene
Concen: 0.443 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion: 91 Resp: 5812
Ion Ratio Lower Upper
91 100
120 20.4 11.1 33.1

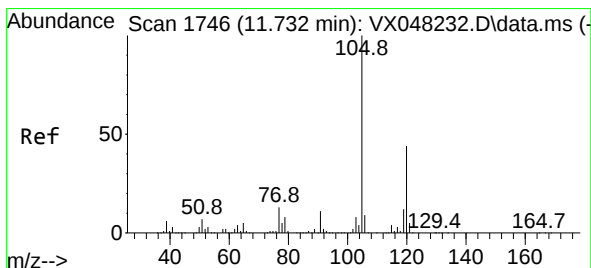
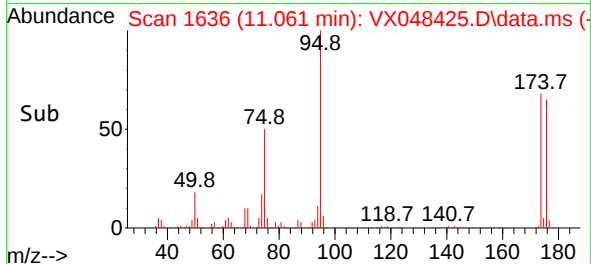
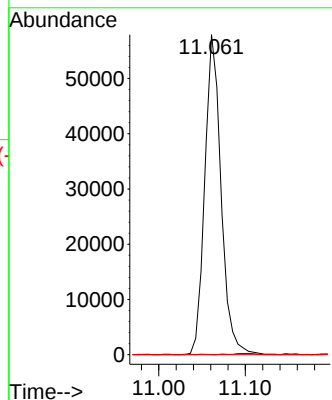
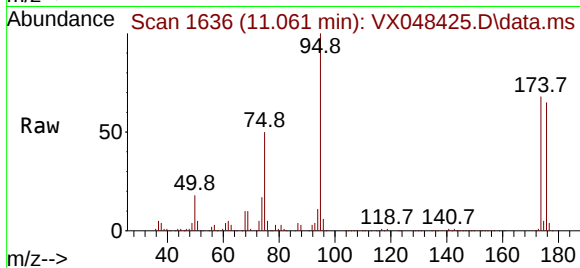




#81
trans-1,4-Dichloro-2-butene
Concen: 121.619 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MW3

Tgt Ion: 75 Resp: 75766
Ion Ratio Lower Upper
75 100
53 0.1 79.5 119.3#
89 0.0 36.8 55.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.206 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048425.D
Acq: 31 Oct 2025 12:43

Tgt Ion:105 Resp: 1856
Ion Ratio Lower Upper
105 100
120 50.3 22.1 66.5

