

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046583.D
 Acq On : 09 Jun 2025 16:30
 Operator : JC/MD
 Sample : Q2266-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-5

Quant Time: Jun 10 01:46:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	98170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	173189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76331	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	82058	46.983	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.960%
35) Dibromofluoromethane	5.404	113	59385	46.627	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.260%
50) Toluene-d8	8.653	98	209523	49.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.800%
62) 4-Bromofluorobenzene	11.079	95	80672	46.435	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.880%

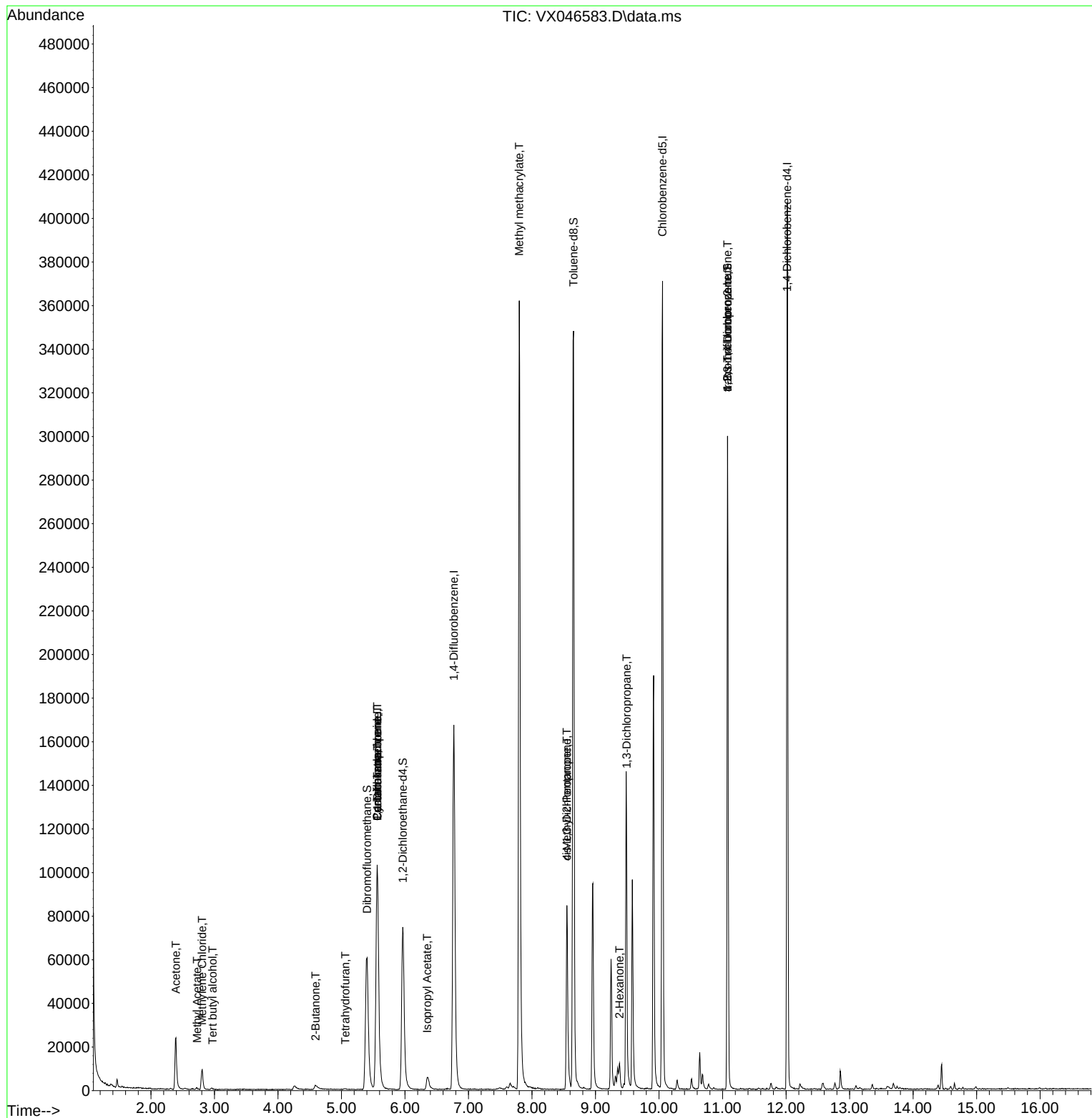
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	456	2.353	ug/l #	72
16) Acetone	2.392	43	30429	48.146	ug/l	99
18) Methyl Acetate	2.727	43	1242	0.597	ug/l #	78
20) Methylene Chloride	2.806	84	4270	3.047	ug/l #	87
25) 2-Butanone	4.593	43	5343	5.495	ug/l	92
29) Tetrahydrofuran	5.062	42	355	0.578	ug/l #	44
31) Cyclohexane	5.562	56	2559	1.260	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	8809	4.842	ug/l #	52
38) Carbon Tetrachloride	5.562	117	10991	5.394	ug/l #	18
43) Isopropyl Acetate	6.348	43	9725	3.142	ug/l	98
48) Methyl methacrylate	7.799	41	36391	22.849	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	33367	16.963	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	13739	6.740	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	1164	0.521	ug/l #	42
59) 2-Hexanone	9.378	43	11252	7.976	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	43368	26.824	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	43368	77.376	ug/l #	1

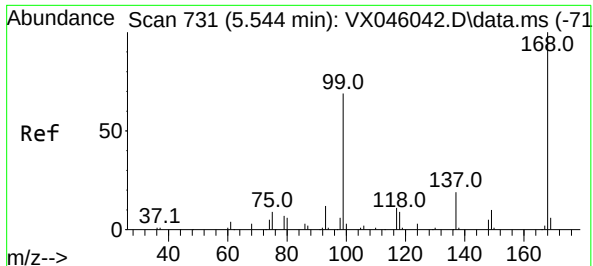
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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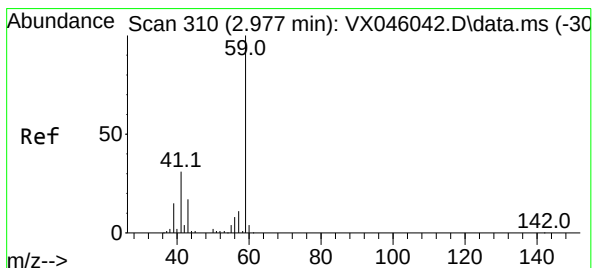
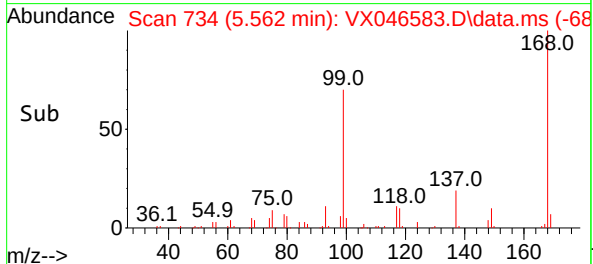
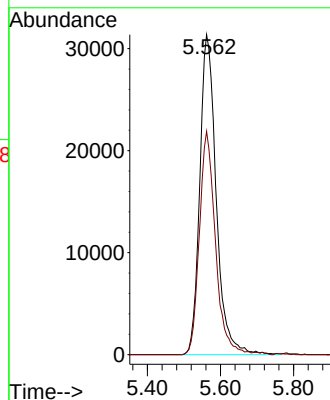
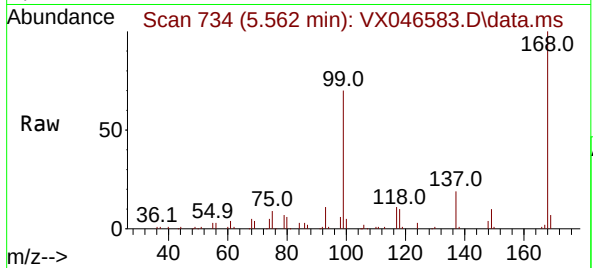




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

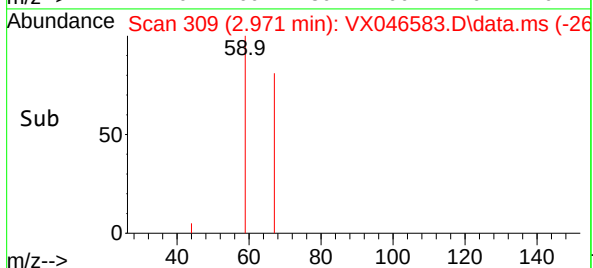
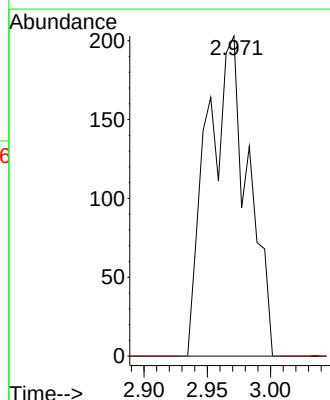
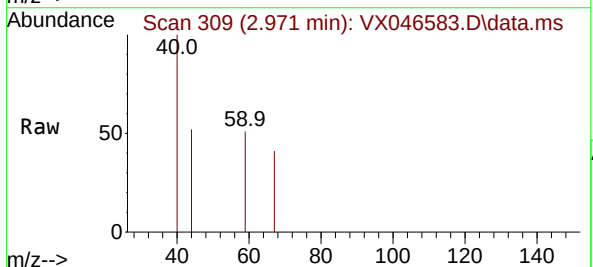
Instrument :
MSVOA_X
ClientSampleId :
WC-5

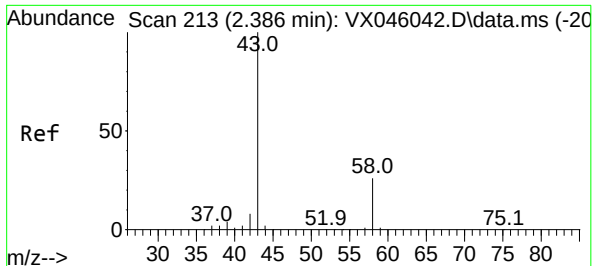
Tgt Ion:168 Resp: 98170
Ion Ratio Lower Upper
168 100
99 69.8 54.9 82.3



#11
Tert butyl alcohol
Concen: 2.353 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.000 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Tgt Ion: 59 Resp: 456
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

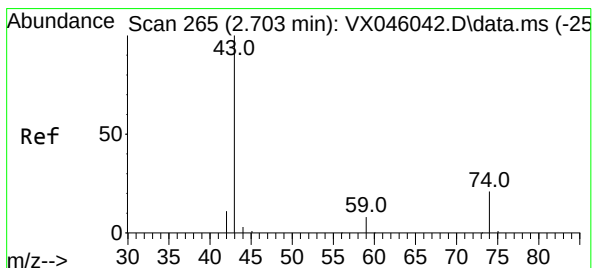
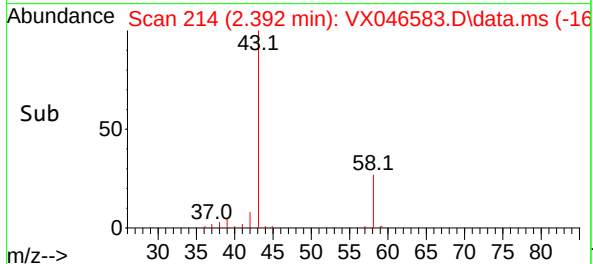
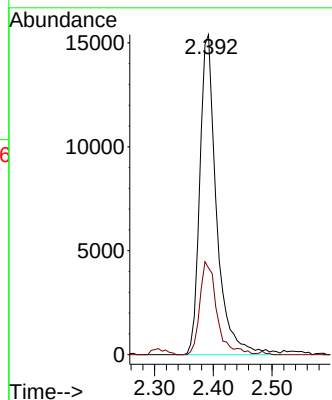
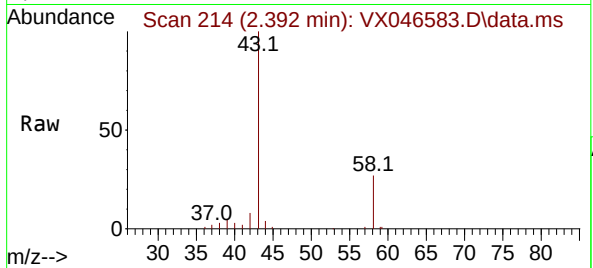




#16
Acetone
Concen: 48.146 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

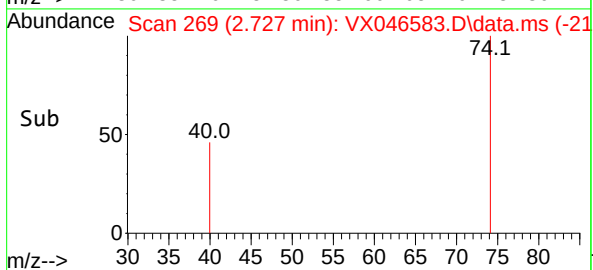
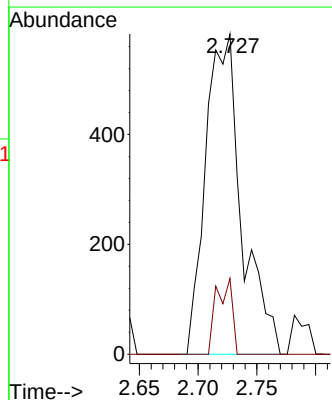
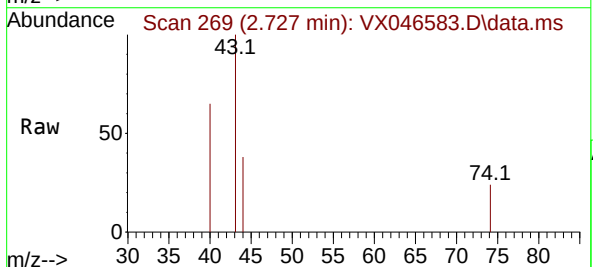
Instrument :
MSVOA_X
ClientSampleId :
WC-5

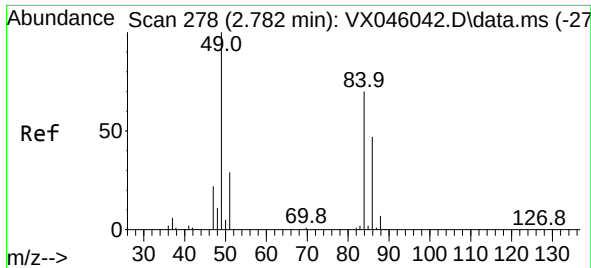
Tgt Ion: 43 Resp: 30429
Ion Ratio Lower Upper
43 100
58 27.1 21.2 31.8



#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.006 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
74 10.5 16.7 25.1#

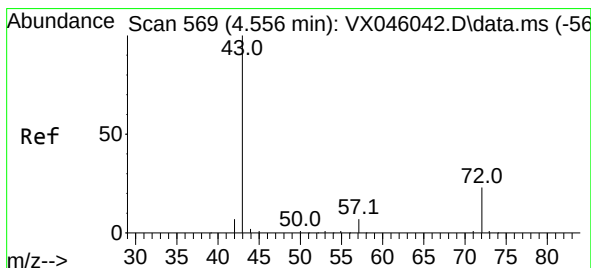
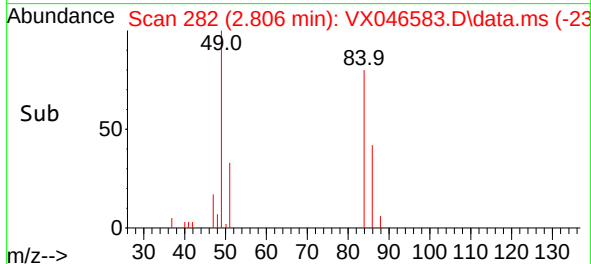
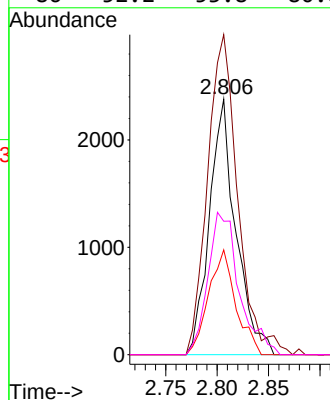
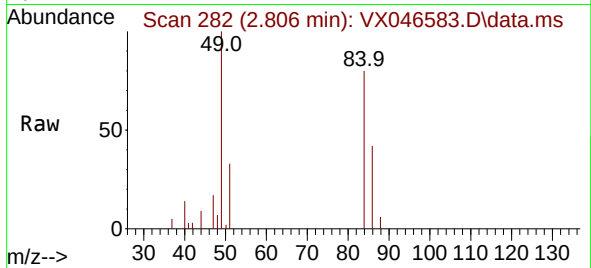




#20
Methylene Chloride
Concen: 3.047 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

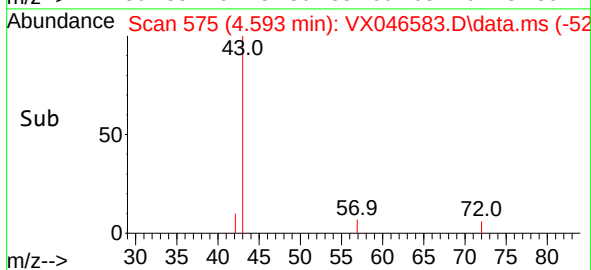
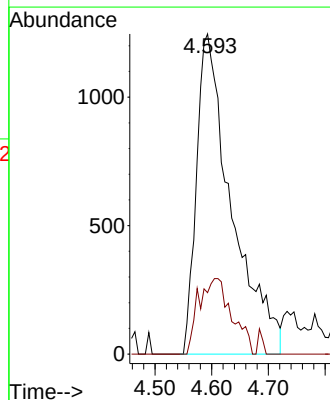
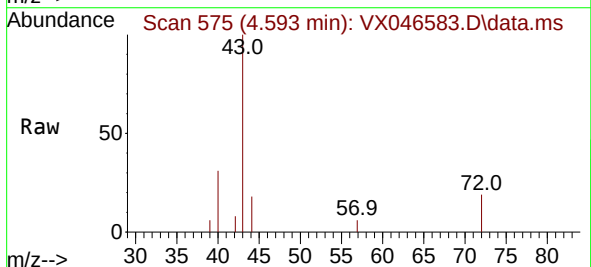
Instrument :
MSVOA_X
ClientSampleId :
WC-5

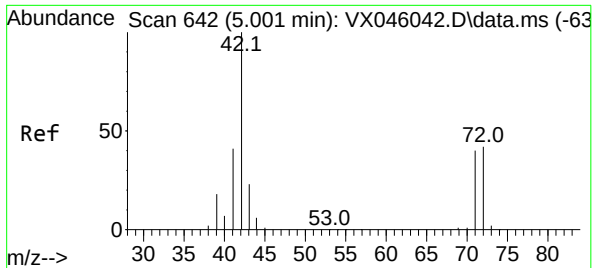
Tgt Ion:	84	Resp:	4270
Ion	Ratio	Lower	Upper
84	100		
49	125.2	113.9	170.9
51	41.1	33.5	50.3
86	52.2	53.8	80.8



#25
2-Butanone
Concen: 5.495 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.019 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Tgt Ion:	43	Resp:	5343
Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.578 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX046583.D

Acq: 09 Jun 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

WC-5

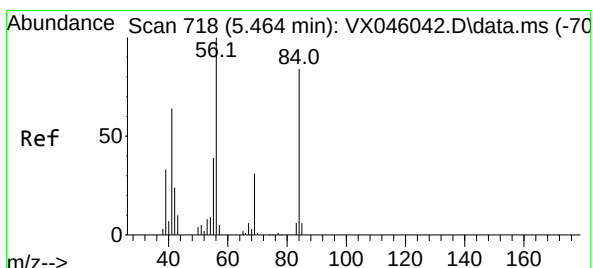
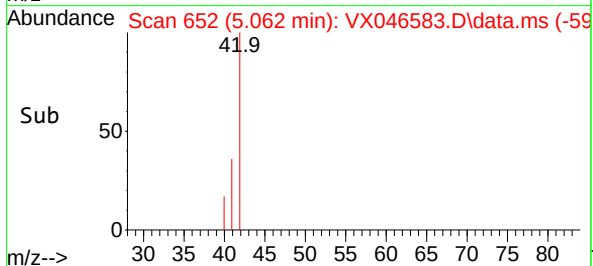
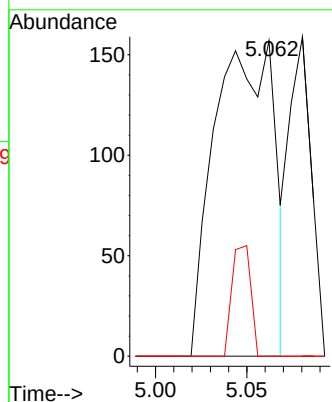
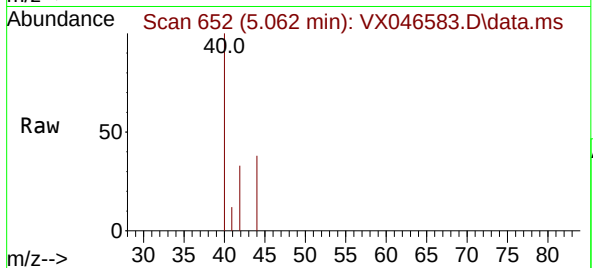
Tgt Ion: 42 Resp: 355

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 11.3 31.4 47.2#



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.073 min

Lab File: VX046583.D

Acq: 09 Jun 2025 16:30

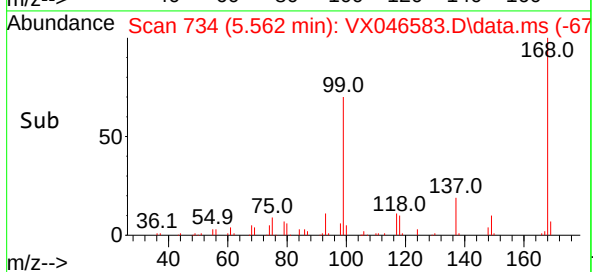
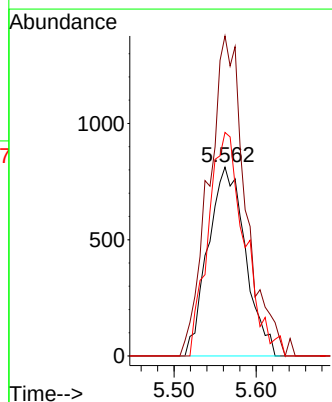
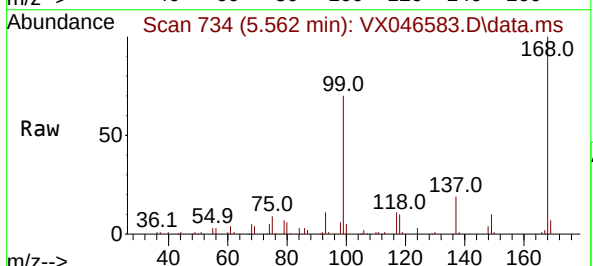
Tgt Ion: 56 Resp: 2559

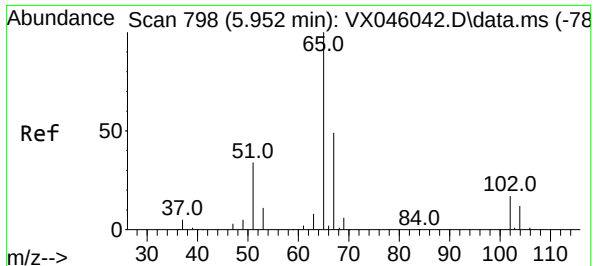
Ion Ratio Lower Upper

56 100

69 169.5 24.4 36.6#

84 118.3 66.9 100.3#

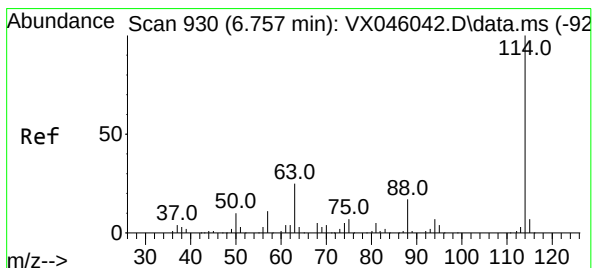
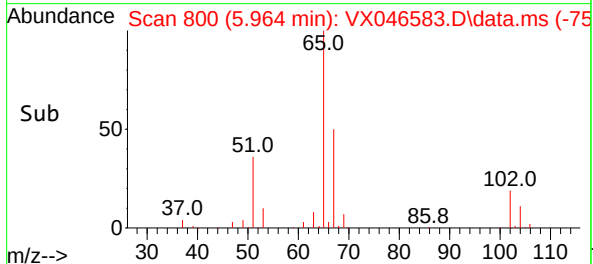
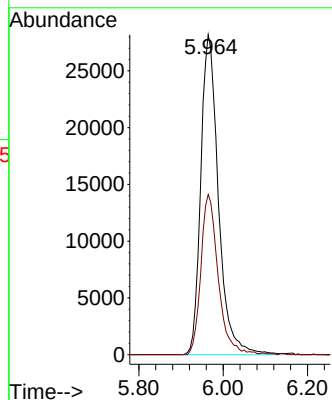
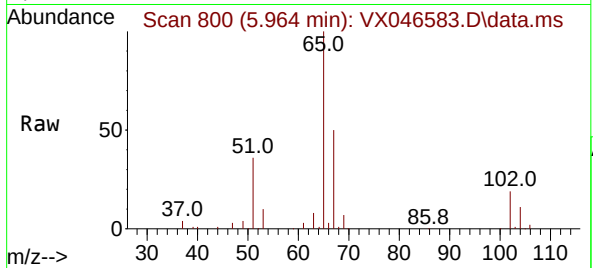




#33
 1,2-Dichloroethane-d4
 Concen: 46.983 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VX046583.D
 Acq: 09 Jun 2025 16:30

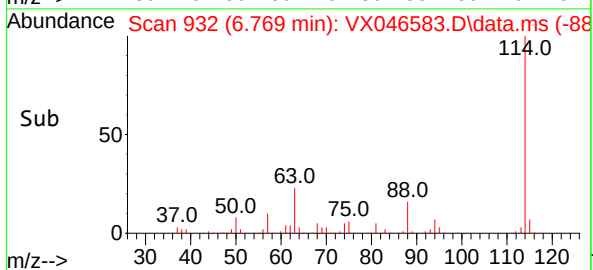
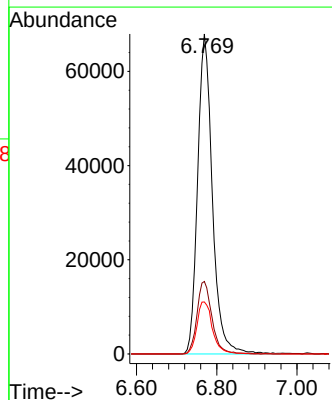
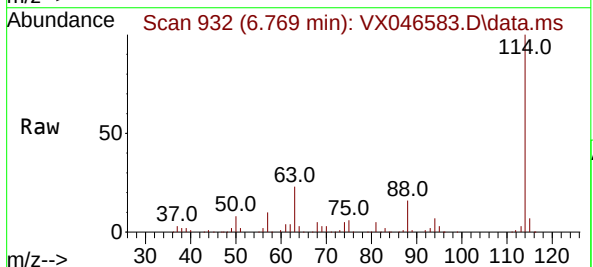
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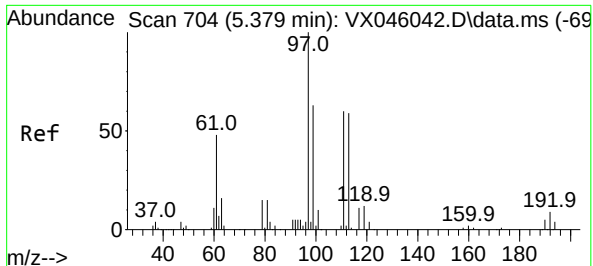
Tgt Ion: 65 Resp: 82058
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046583.D
 Acq: 09 Jun 2025 16:30

Tgt Ion: 114 Resp: 173189
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 49.2
 88 16.2 0.0 33.6

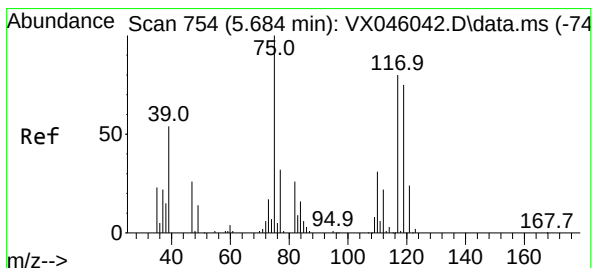
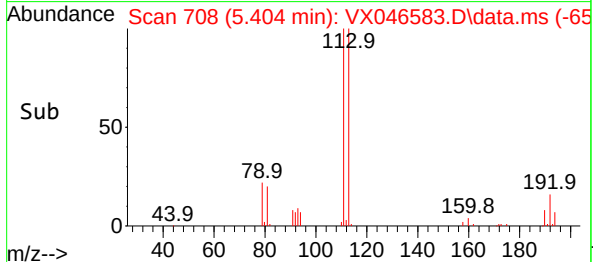
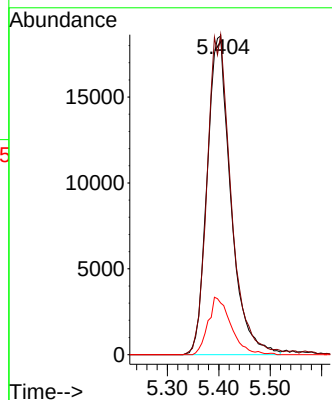
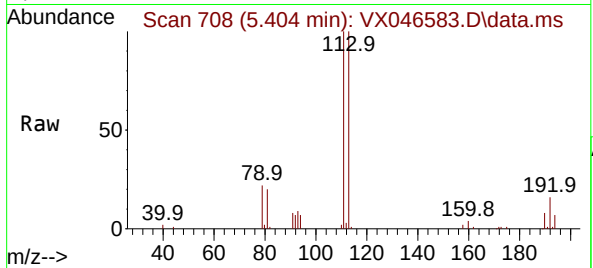




#35
Dibromofluoromethane
Concen: 46.627 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

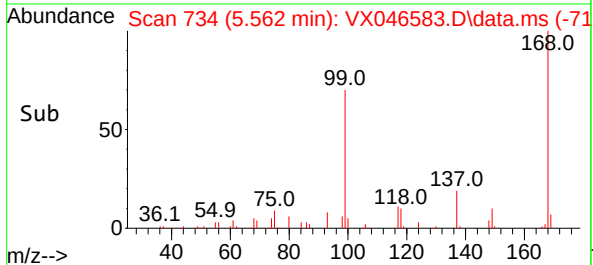
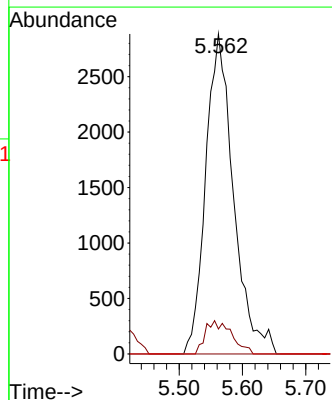
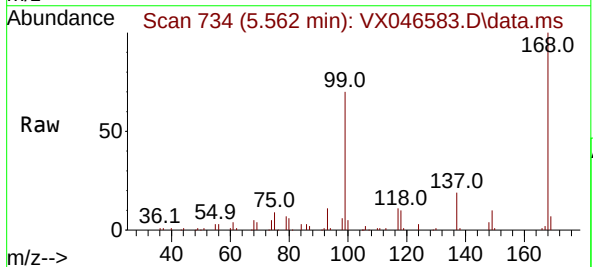
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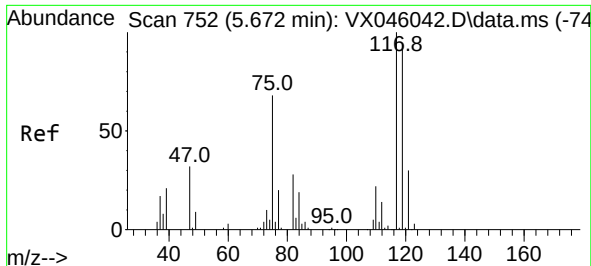
Tgt Ion:113 Resp: 59385
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.842 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Tgt Ion: 75 Resp: 8809
Ion Ratio Lower Upper
75 100
110 9.8 16.3 48.9#
77 0.0 24.3 36.5#

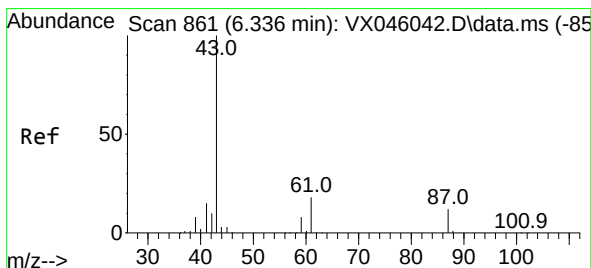
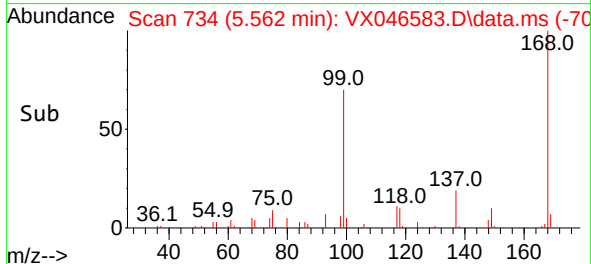
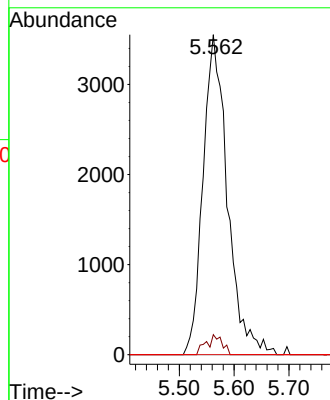
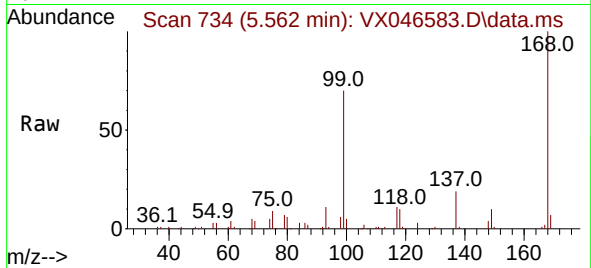




#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

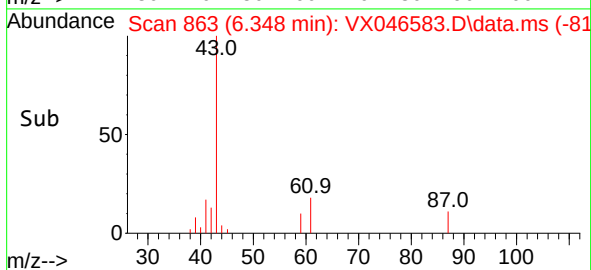
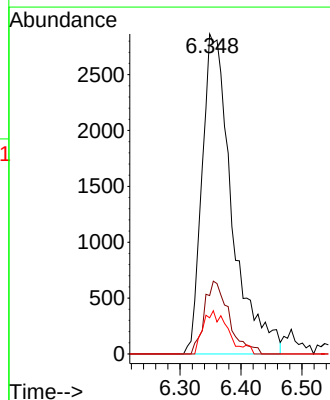
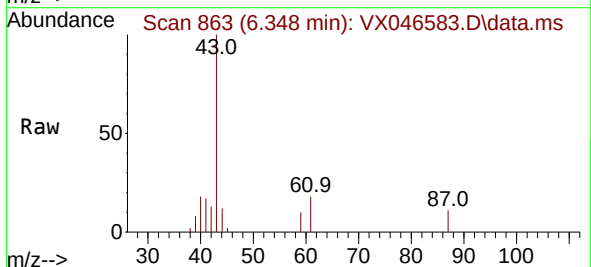
Instrument :
MSVOA_X
ClientSampleId :
WC-5

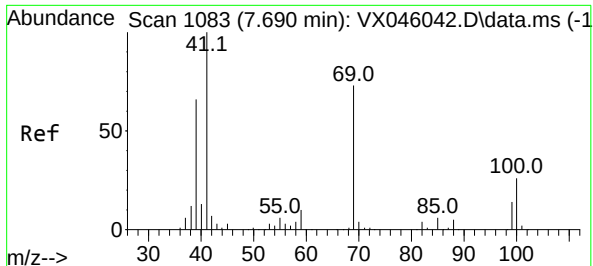
Tgt Ion:117 Resp: 10991
Ion Ratio Lower Upper
117 100
119 6.2 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 3.142 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Tgt Ion: 43 Resp: 9725
Ion Ratio Lower Upper
43 100
61 18.9 14.3 21.5
87 10.9 9.5 14.3





#48

Methyl methacrylate

Concen: 22.849 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.097 min

Lab File: VX046583.D

Acq: 09 Jun 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

WC-5

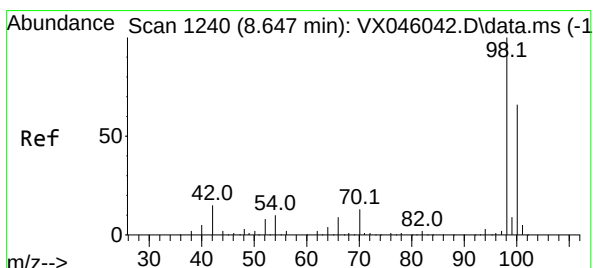
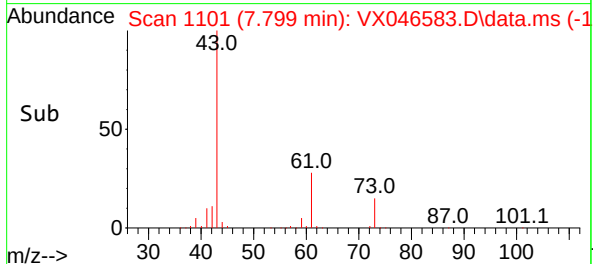
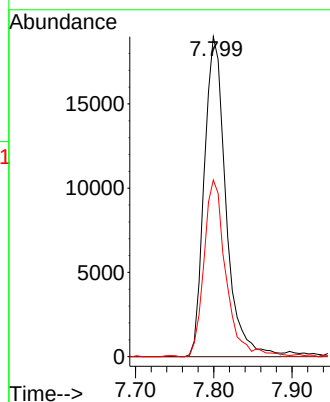
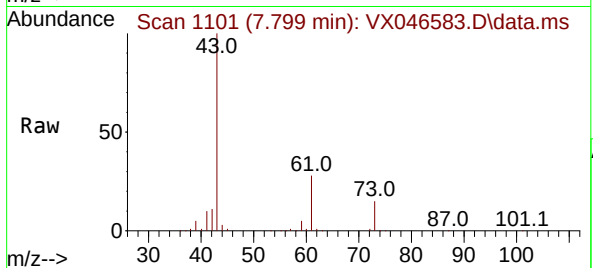
Tgt Ion: 41 Resp: 36391

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 56.1 51.7 77.5



#50

Toluene-d8

Concen: 49.898 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046583.D

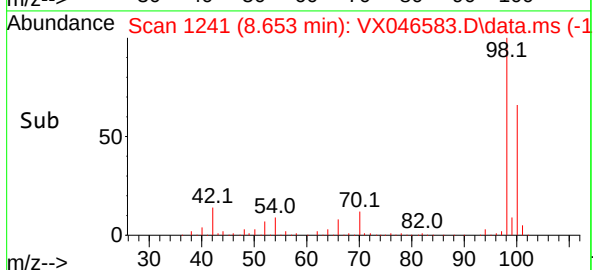
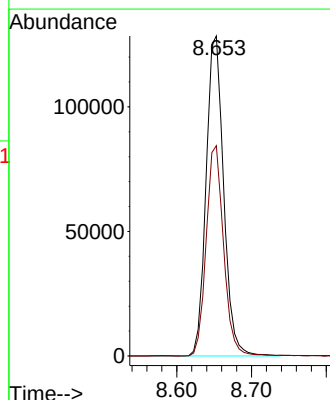
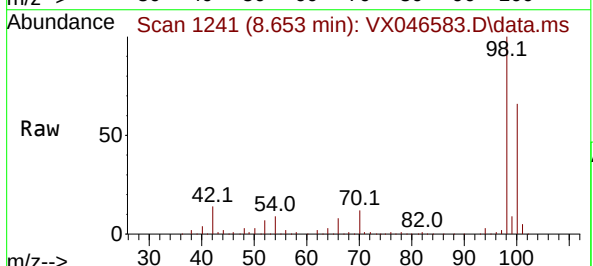
Acq: 09 Jun 2025 16:30

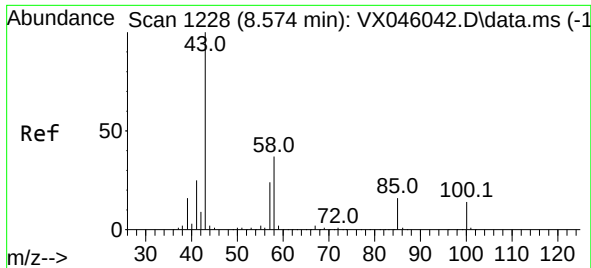
Tgt Ion: 98 Resp: 209523

Ion Ratio Lower Upper

98 100

100 65.4 53.5 80.3

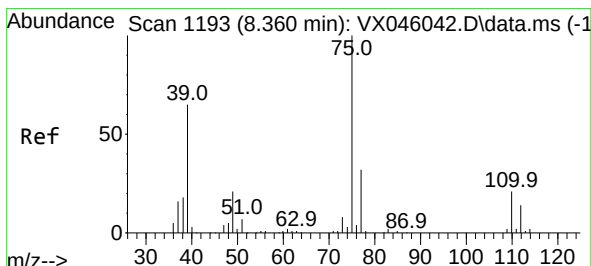
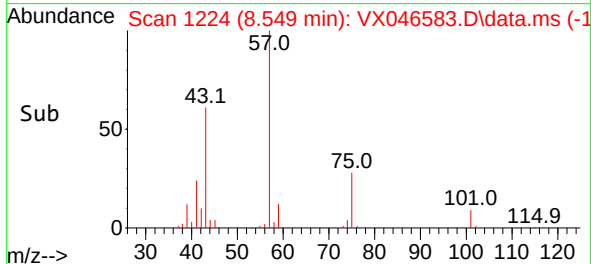
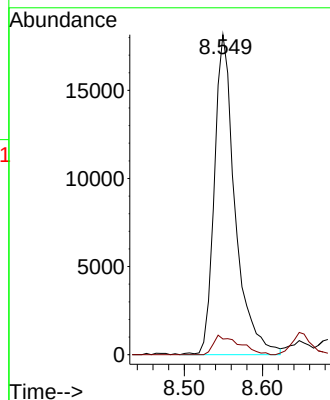
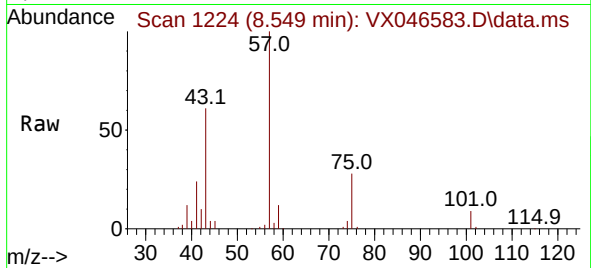




#51
4-Methyl-2-Pentanone
Concen: 16.963 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

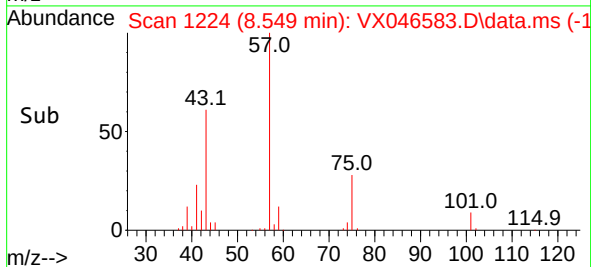
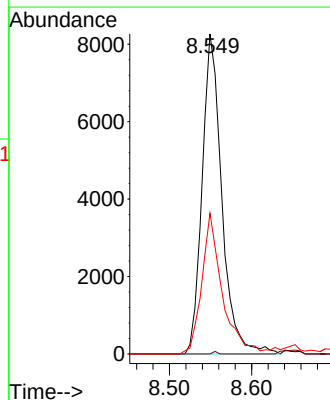
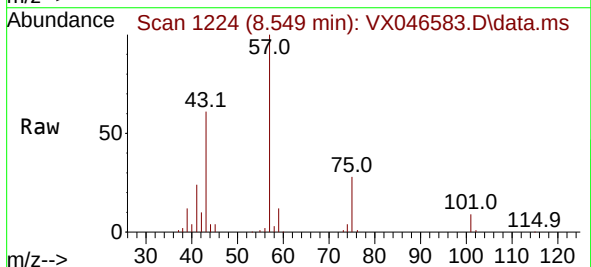
Instrument :
MSVOA_X
ClientSampleId :
WC-5

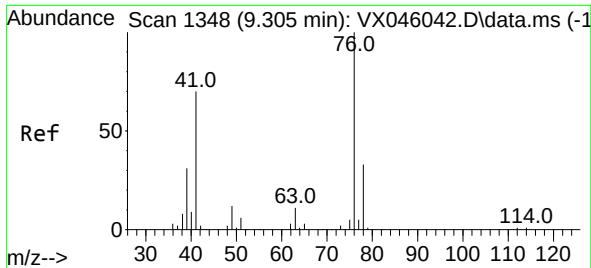
Tgt Ion: 43 Resp: 33367
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 6.740 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Tgt Ion: 75 Resp: 13739
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 44.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.521 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046583.D

Acq: 09 Jun 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

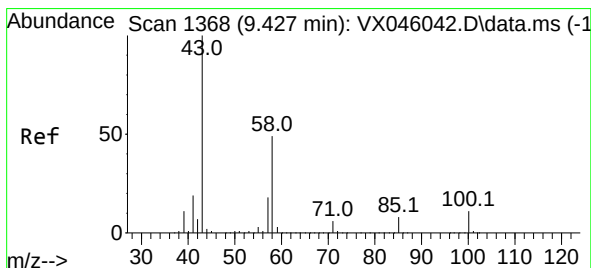
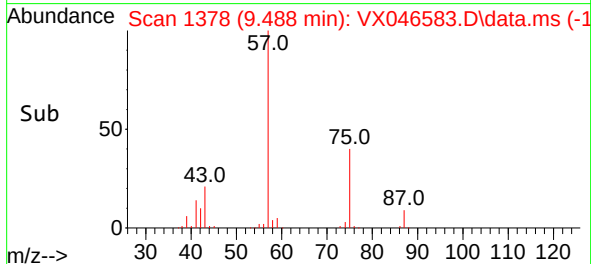
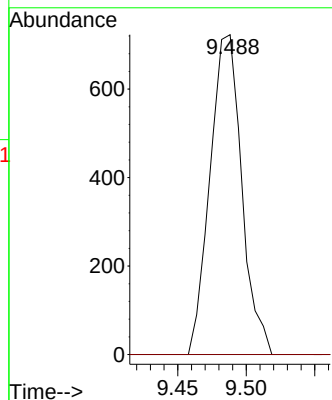
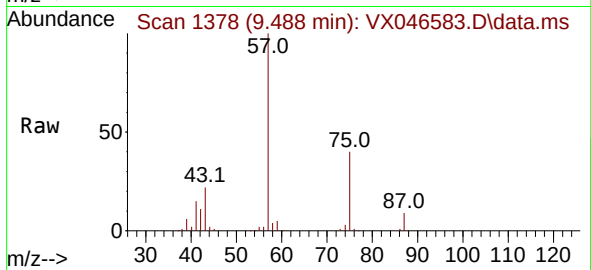
WC-5

Tgt Ion: 76 Resp: 1164

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 7.976 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX046583.D

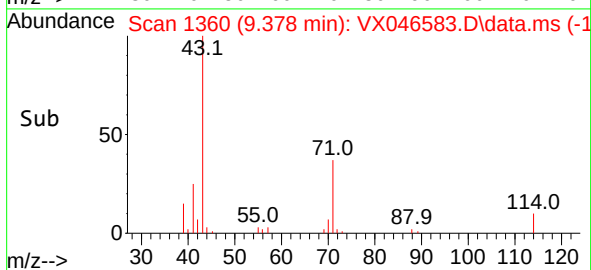
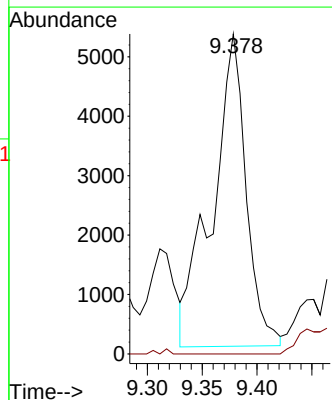
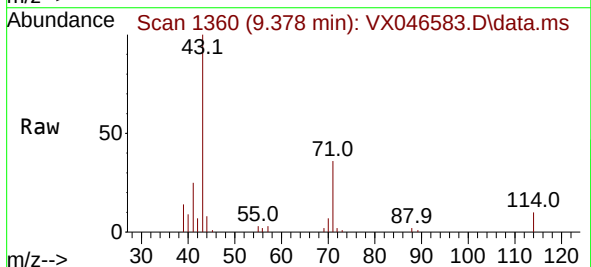
Acq: 09 Jun 2025 16:30

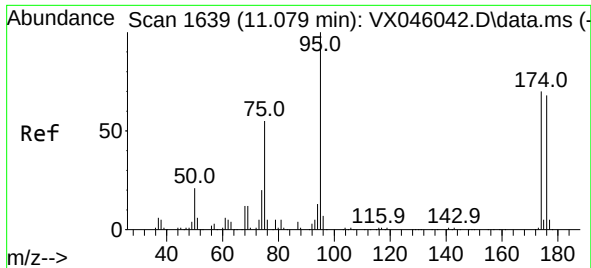
Tgt Ion: 43 Resp: 11252

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

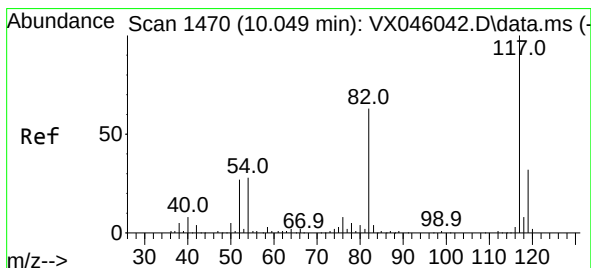
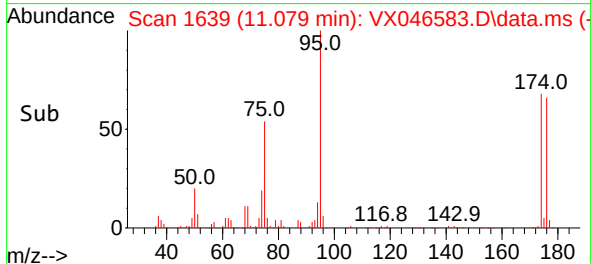
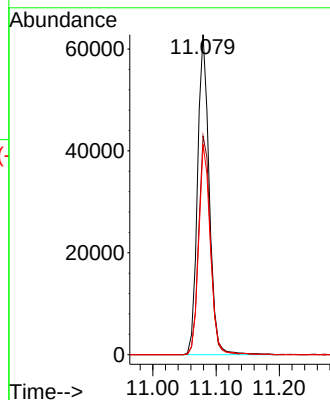
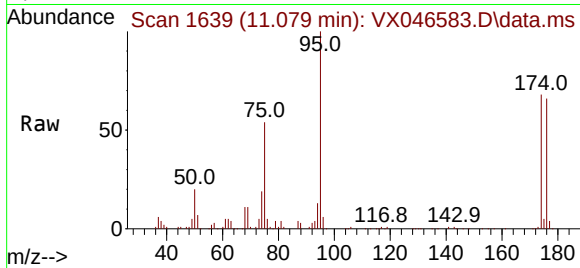




#62
4-Bromofluorobenzene
Concen: 46.435 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

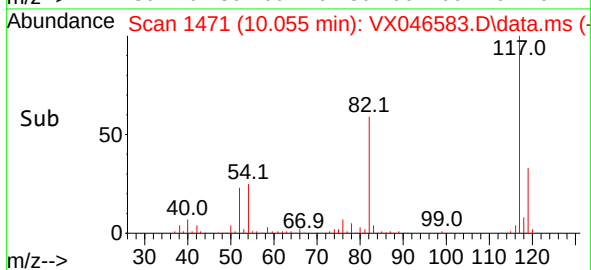
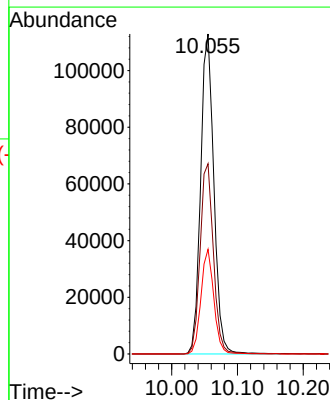
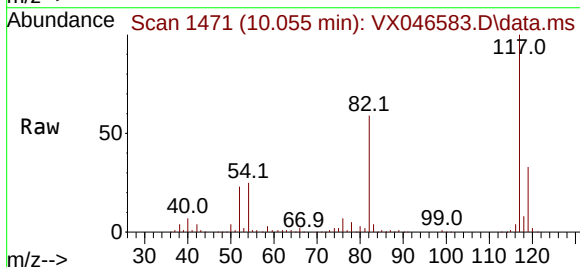
Instrument :
MSVOA_X
ClientSampleId :
WC-5

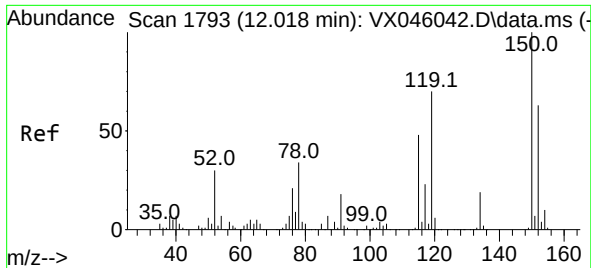
Tgt Ion: 95 Resp: 80672
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.8
176 65.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Tgt Ion: 117 Resp: 158012
Ion Ratio Lower Upper
117 100
82 59.5 50.6 76.0
119 32.7 25.8 38.6

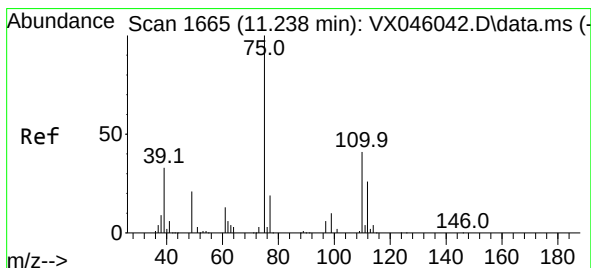
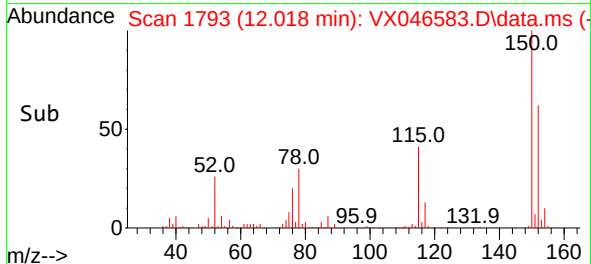
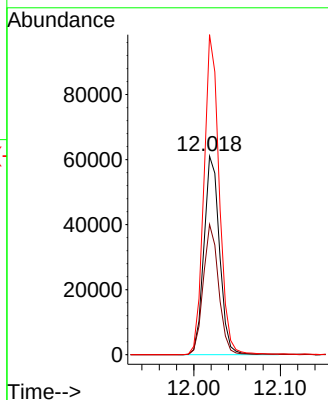
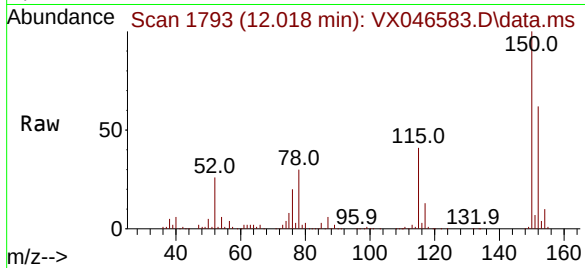




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046583.D
 Acq: 09 Jun 2025 16:30

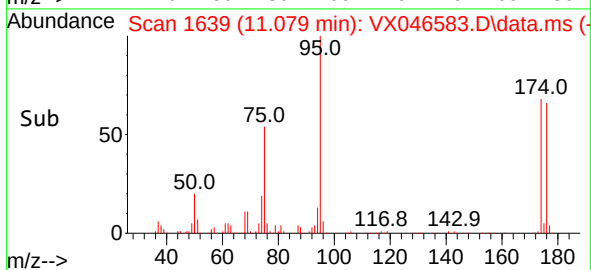
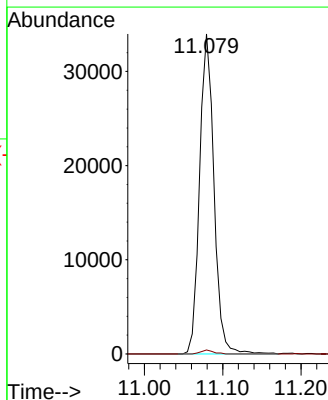
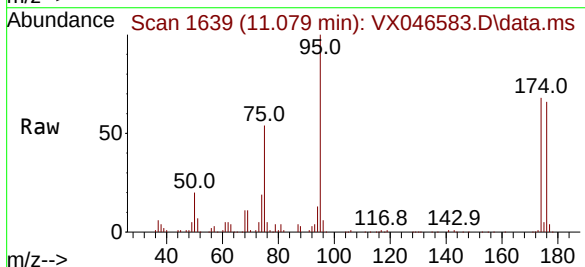
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-5

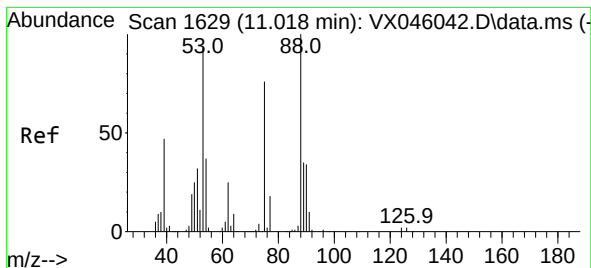
Tgt Ion:152 Resp: 76331
 Ion Ratio Lower Upper
 152 100
 115 64.6 46.9 140.7
 150 158.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 26.824 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046583.D
 Acq: 09 Jun 2025 16:30

Tgt Ion: 75 Resp: 43368
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 77.376 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046583.D
Acq: 09 Jun 2025 16:30

Instrument :
MSVOA_X
ClientSampleId :
WC-5

Tgt Ion: 75 Resp: 43368
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

