

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046581.D
 Acq On : 09 Jun 2025 15:48
 Operator : JC/MD
 Sample : Q2265-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP11-MHL-WC

Quant Time: Jun 10 01:45:20 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	5.568	168	104693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	194131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86589	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	92218	49.510	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.020%
35) Dibromofluoromethane	5.397	113	66430	46.532	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.060%
50) Toluene-d8	8.653	98	233922	49.699	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.400%
62) 4-Bromofluorobenzene	11.079	95	91335	46.901	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.800%

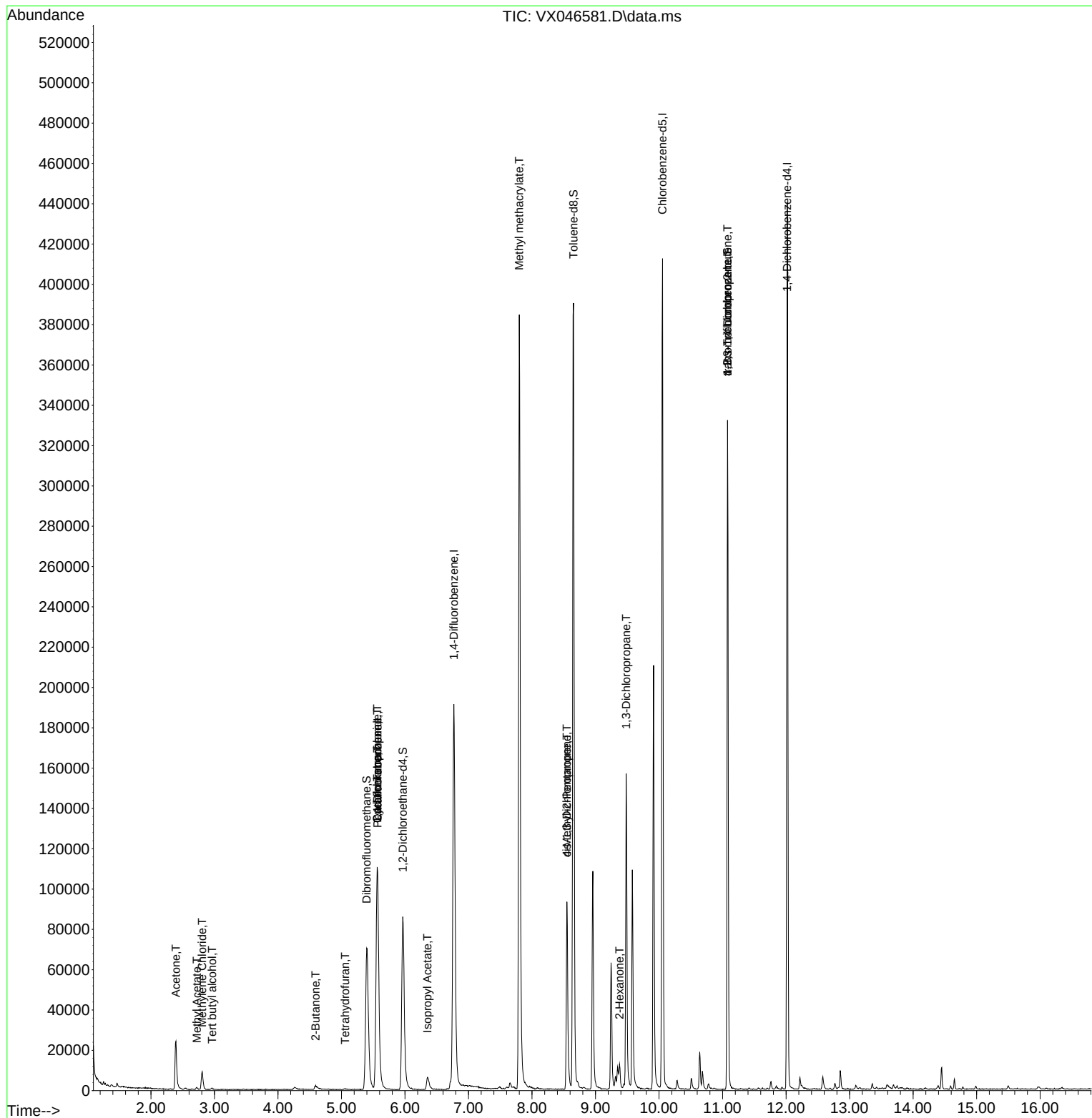
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	284	1.374	ug/l #	72
16) Acetone	2.392	43	30769	45.889	ug/l	97
18) Methyl Acetate	2.721	43	1456	0.656	ug/l #	88
20) Methylene Chloride	2.806	84	4109	2.750	ug/l	96
25) 2-Butanone	4.593	43	3981	3.839	ug/l #	87
29) Tetrahydrofuran	5.056	42	270	0.412	ug/l #	40
31) Cyclohexane	5.562	56	2735	1.263	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	9555	4.686	ug/l #	51
38) Carbon Tetrachloride	5.562	117	11900	5.210	ug/l #	17
43) Isopropyl Acetate	6.354	43	10539	3.037	ug/l	97
48) Methyl methacrylate	7.799	41	37827	21.189	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	35637	16.163	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	14878	6.511	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	1393	0.557	ug/l #	42
59) 2-Hexanone	9.378	43	11257	7.119	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	49199	26.825	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	49199	77.380	ug/l #	1

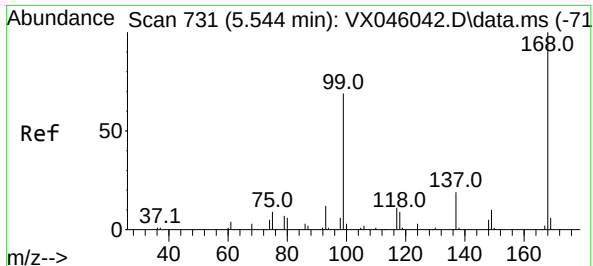
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

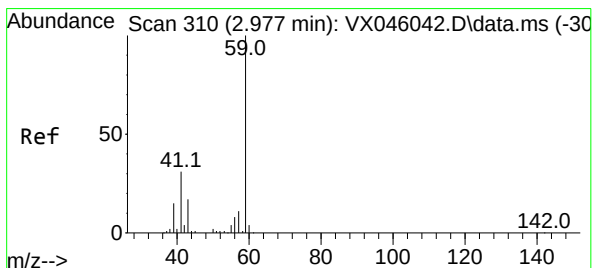
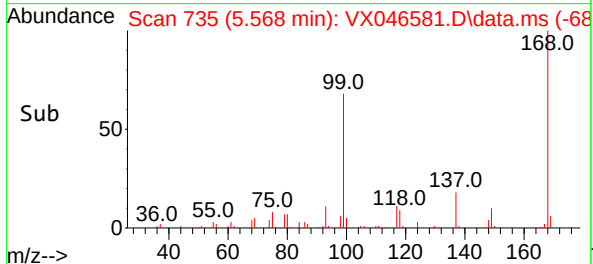
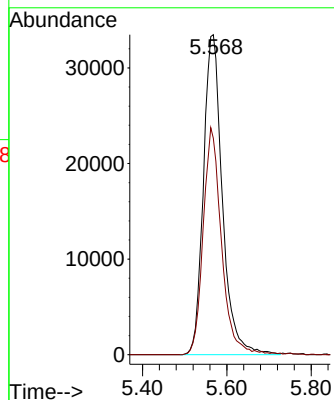
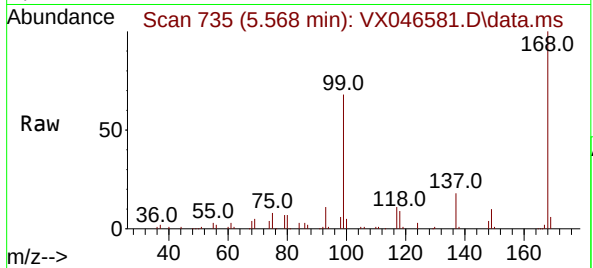




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

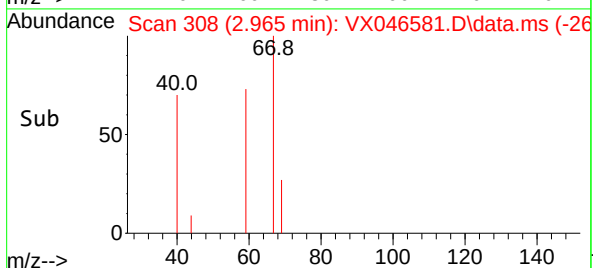
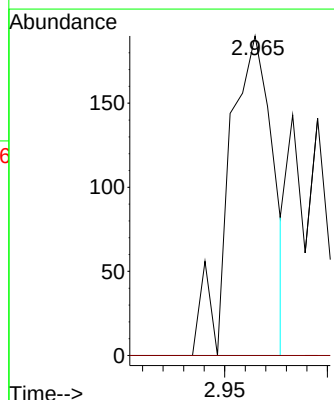
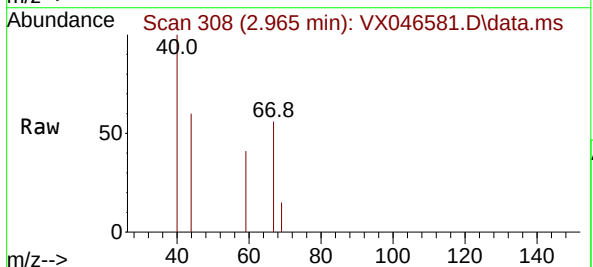
Instrument :
MSVOA_X
ClientSampleId :
TP11-MHL-WC

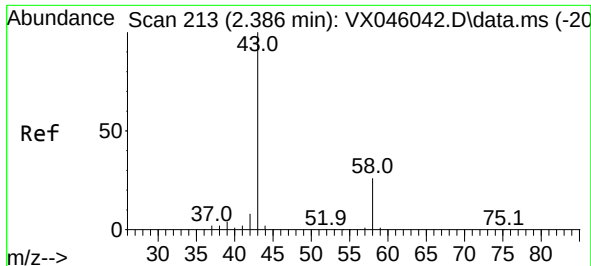
Tgt Ion:168 Resp: 104693
Ion Ratio Lower Upper
168 100
99 67.6 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.374 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

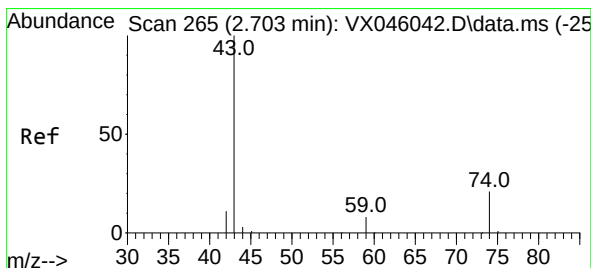
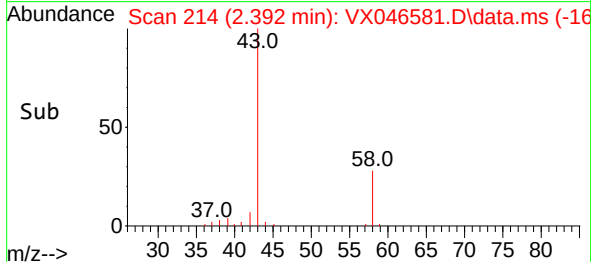
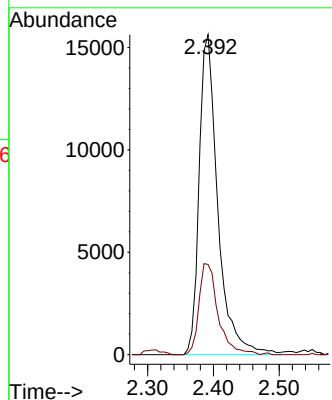
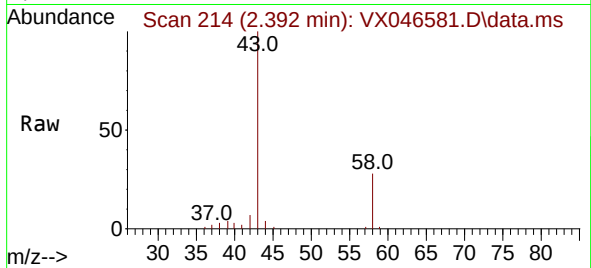




#16
Acetone
Concen: 45.889 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

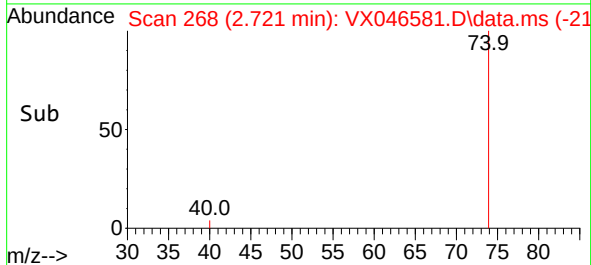
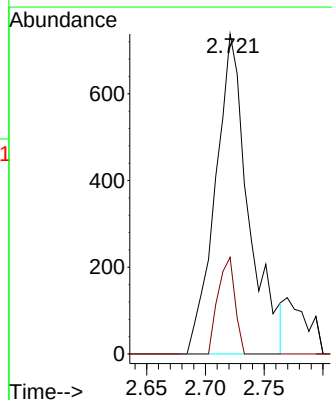
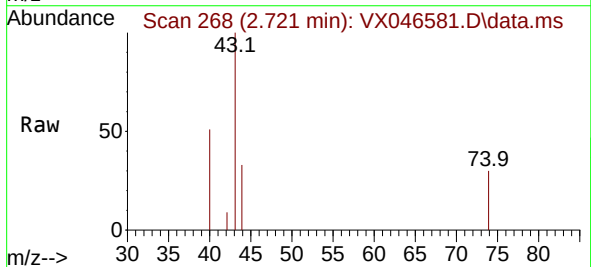
Instrument :
MSVOA_X
ClientSampleId :
TP11-MHL-WC

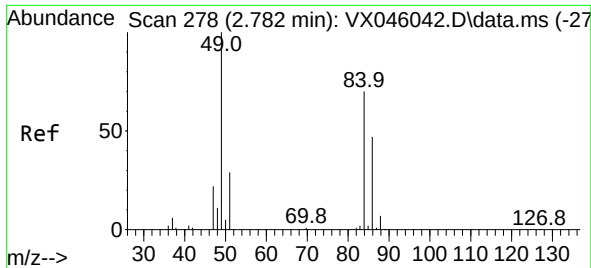
Tgt Ion: 43 Resp: 30769
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8



#18
Methyl Acetate
Concen: 0.656 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
74 15.3 16.7 25.1#

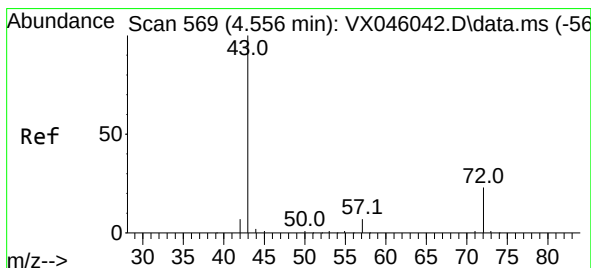
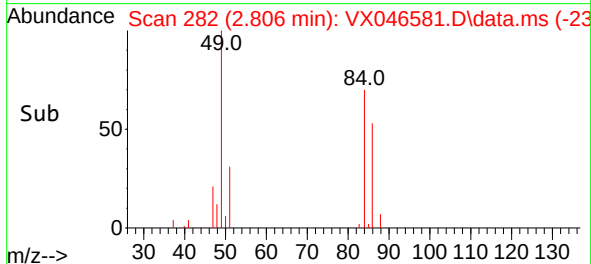
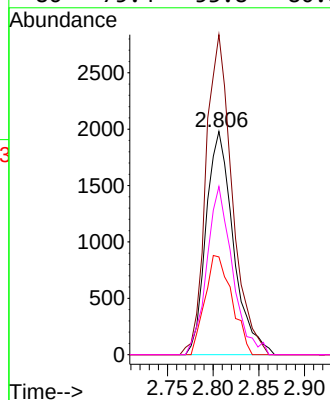
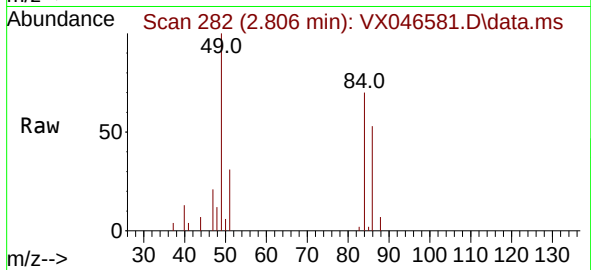




#20
Methylene Chloride
Concen: 2.750 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

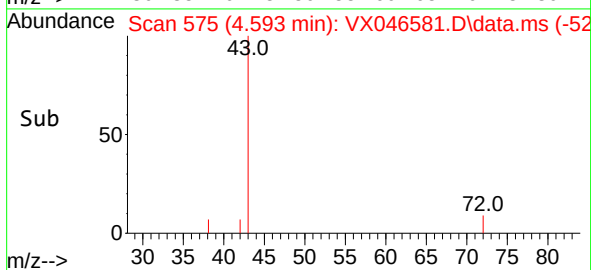
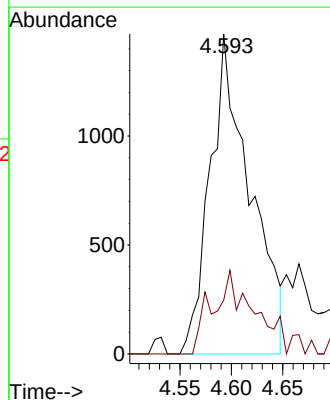
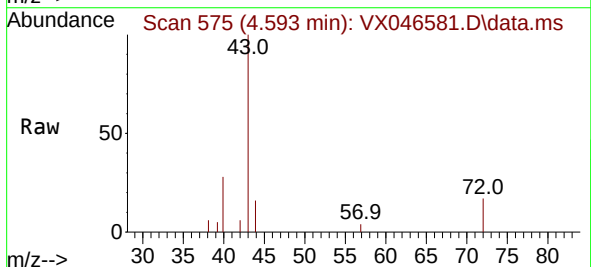
Instrument :
MSVOA_X
ClientSampleId :
TP11-MHL-WC

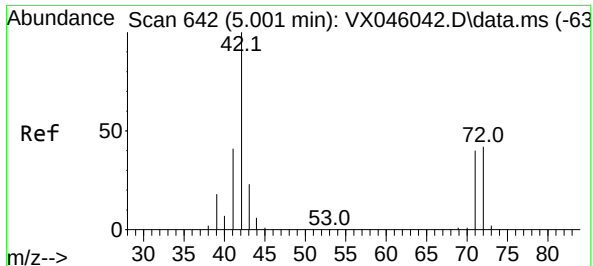
Tgt Ion:	84	Resp:	4109
Ion	Ratio	Lower	Upper
84	100		
49	143.3	113.9	170.9
51	43.8	33.5	50.3
86	75.4	53.8	80.8



#25
2-Butanone
Concen: 3.839 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.019 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Tgt Ion:	43	Resp:	3981
Ion	Ratio	Lower	Upper
43	100		
72	16.8	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.412 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.037 min

Lab File: VX046581.D

Acq: 09 Jun 2025 15:48

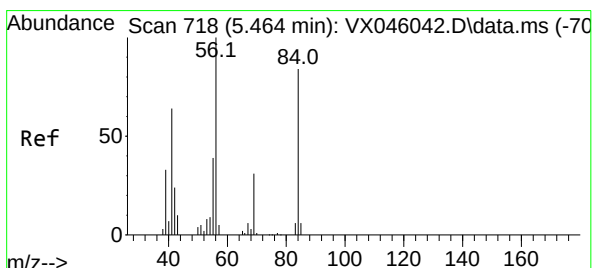
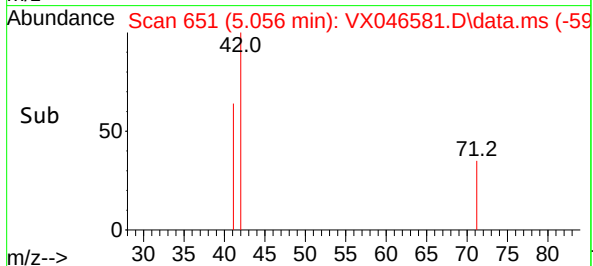
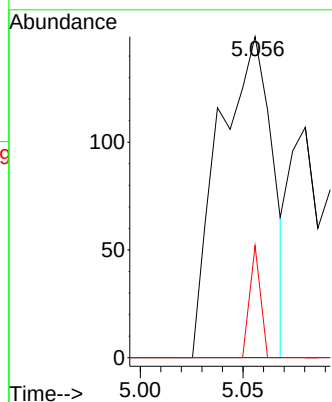
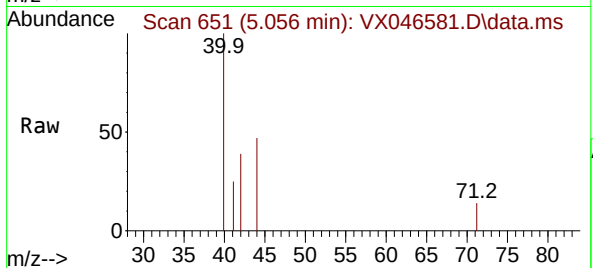
Instrument :

MSVOA_X

ClientSampleId :

TP11-MHL-WC

Tgt Ion:	42	Resp:	270
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	7.0	31.4	47.2#



#31

Cyclohexane

Concen: 1.263 ug/l

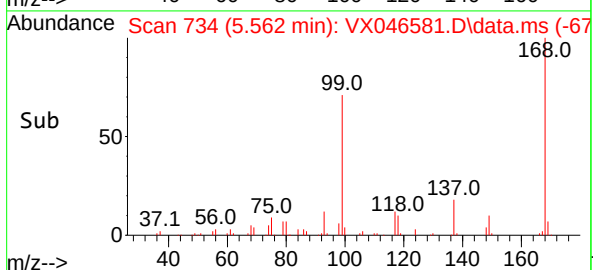
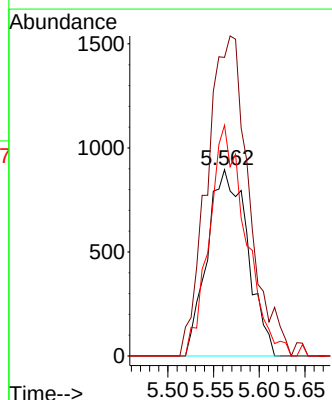
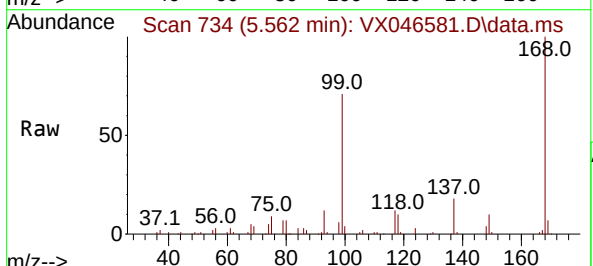
RT: 5.562 min Scan# 734

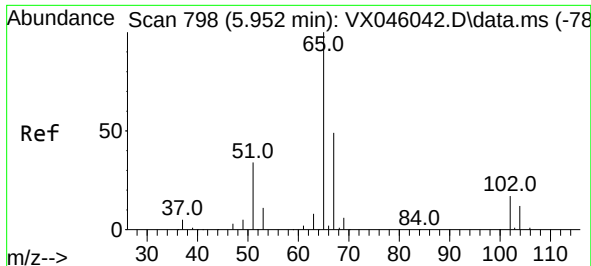
Delta R.T. 0.073 min

Lab File: VX046581.D

Acq: 09 Jun 2025 15:48

Tgt Ion:	56	Resp:	2735
Ion	Ratio	Lower	Upper
56	100		
69	160.3	24.4	36.6#
84	123.9	66.9	100.3#

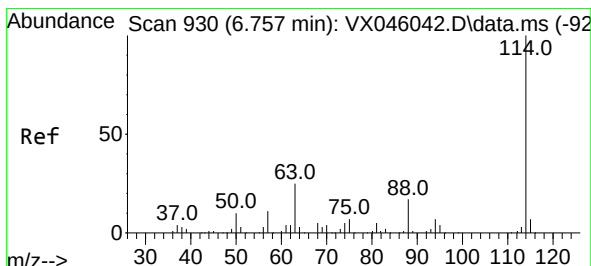
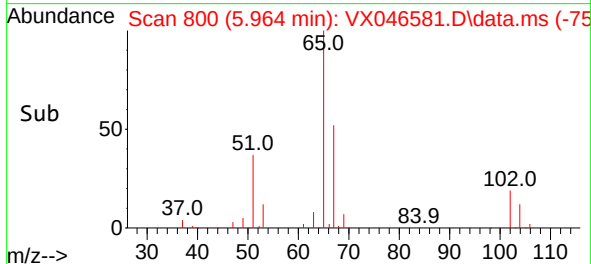
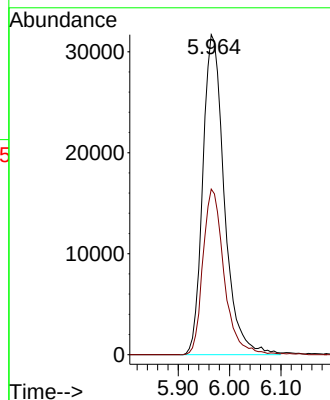
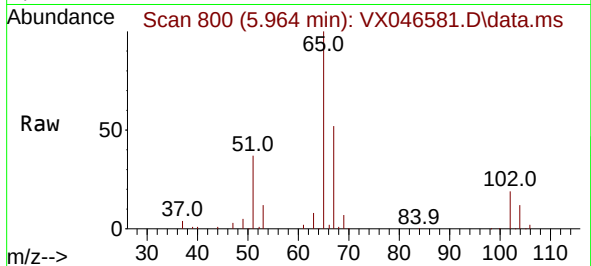




#33
 1,2-Dichloroethane-d4
 Concen: 49.510 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VX046581.D
 Acq: 09 Jun 2025 15:48

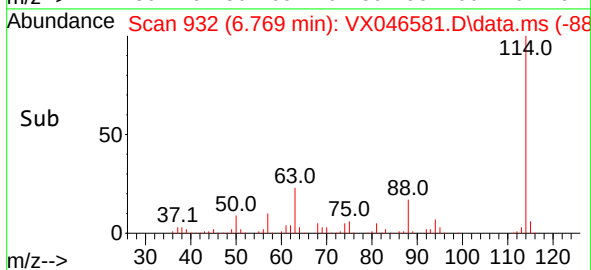
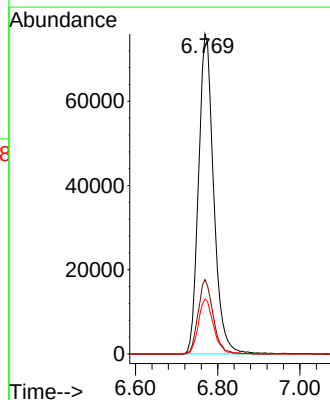
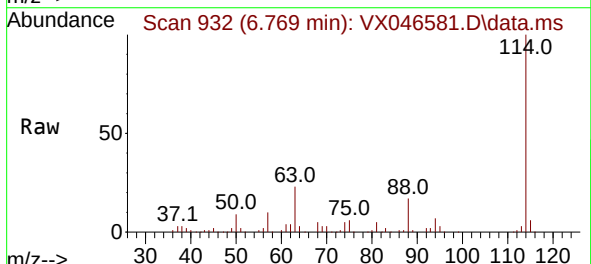
Instrument :
 MSVOA_X
 ClientSampleId :
 TP11-MHL-WC

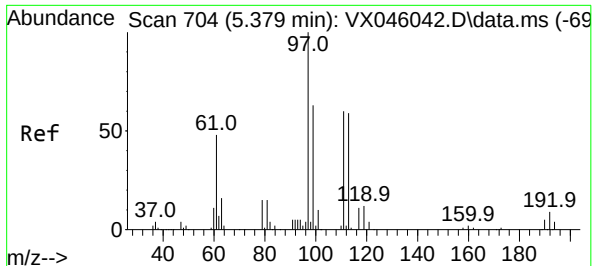
Tgt Ion: 65 Resp: 92218
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046581.D
 Acq: 09 Jun 2025 15:48

Tgt Ion: 114 Resp: 194131
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 49.2
 88 17.2 0.0 33.6

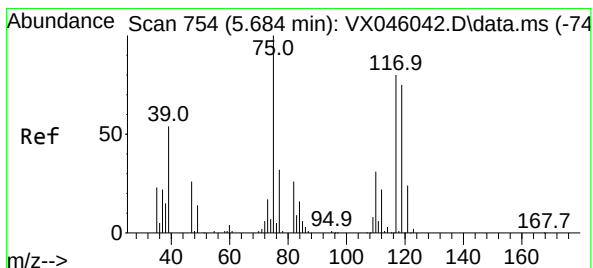
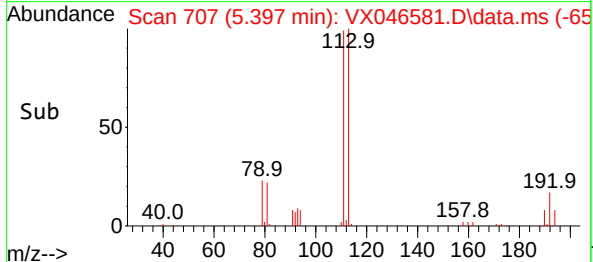
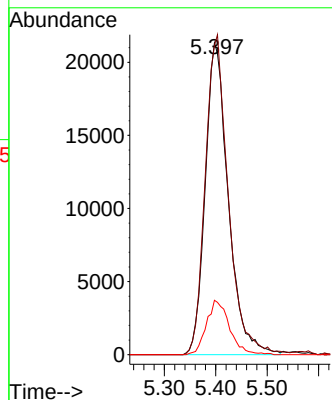
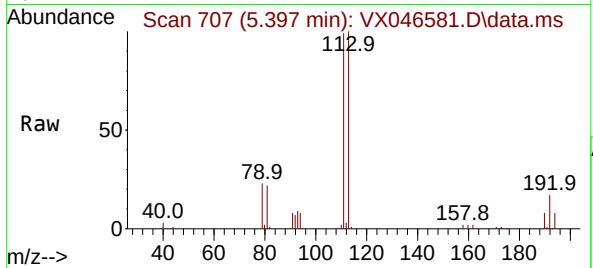




#35
Dibromofluoromethane
Concen: 46.532 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

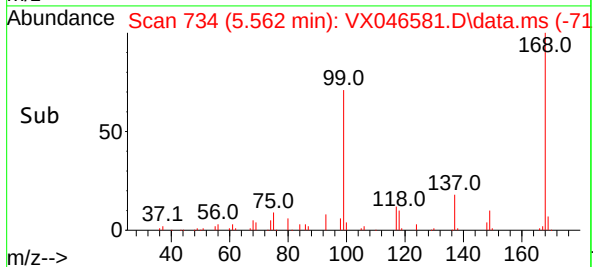
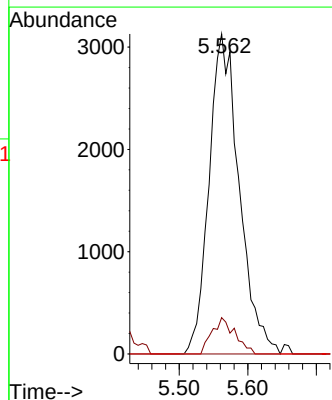
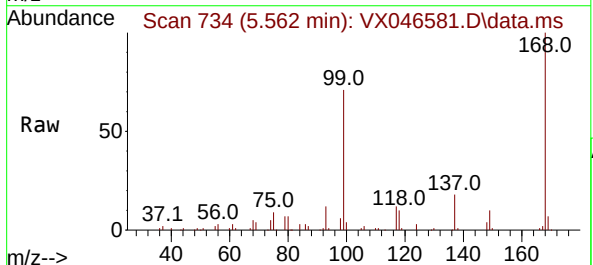
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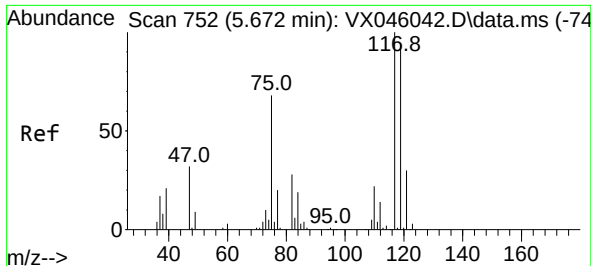
Tgt Ion:113 Resp: 66430
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

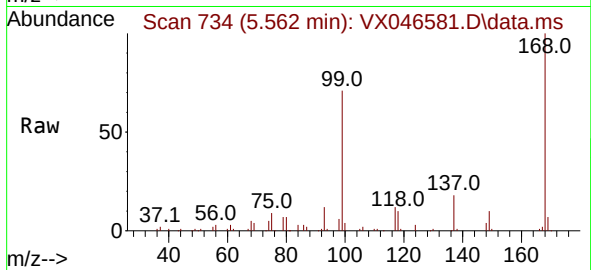
Tgt Ion: 75 Resp: 9555
Ion Ratio Lower Upper
75 100
110 8.6 16.3 48.9#
77 0.0 24.3 36.5#



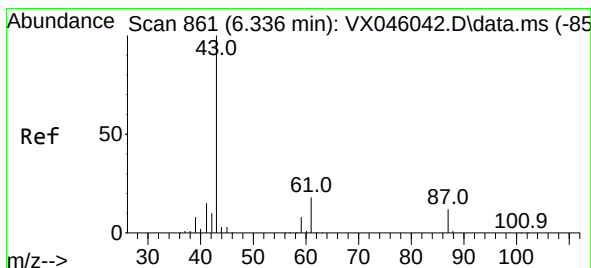
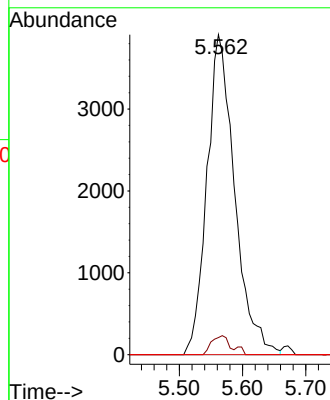
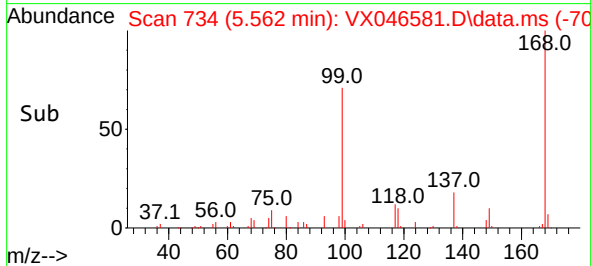


#38
Carbon Tetrachloride
Concen: 5.210 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Instrument :
MSVOA_X
ClientSampleId :
TP11-MHL-WC

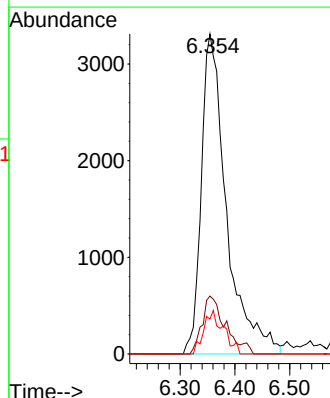
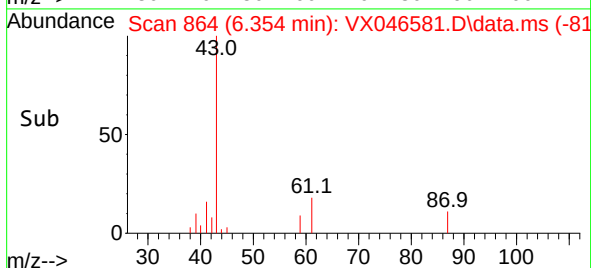
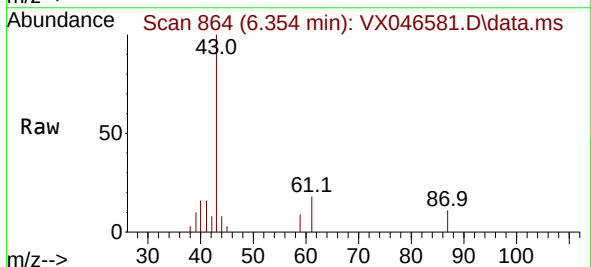


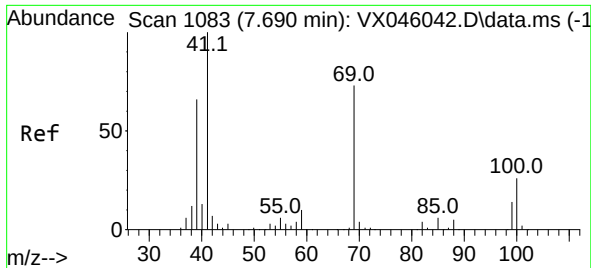
Tgt Ion:117 Resp: 11900
Ion Ratio Lower Upper
117 100
119 5.3 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 3.037 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Tgt Ion: 43 Resp: 10539
Ion Ratio Lower Upper
43 100
61 16.8 14.3 21.5
87 10.6 9.5 14.3

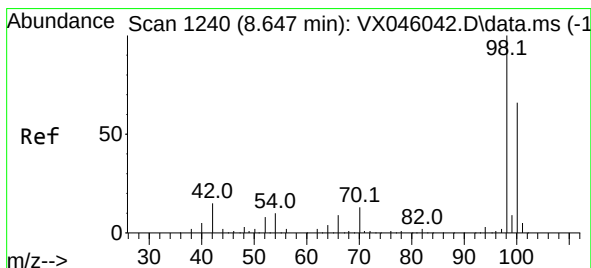
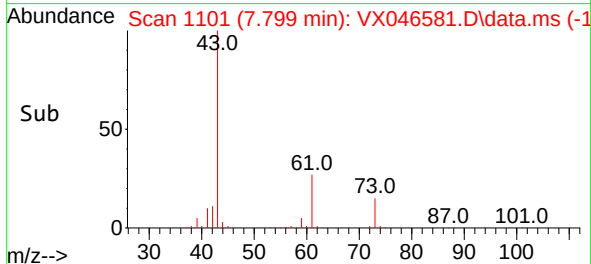
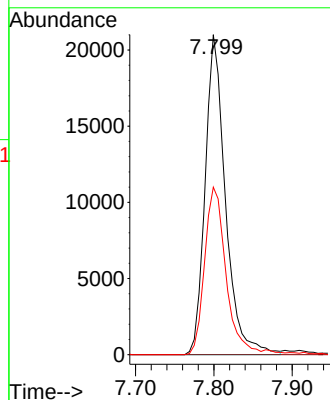
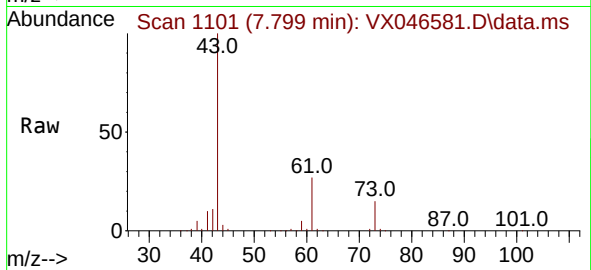




#48
Methyl methacrylate
Concen: 21.189 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

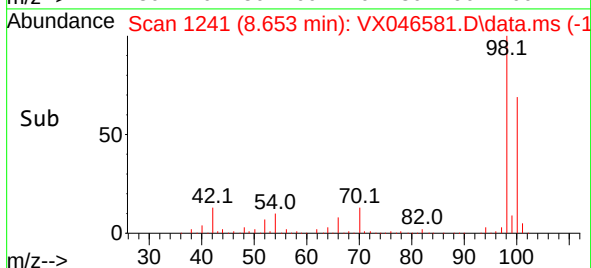
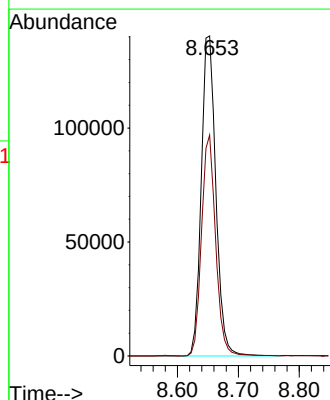
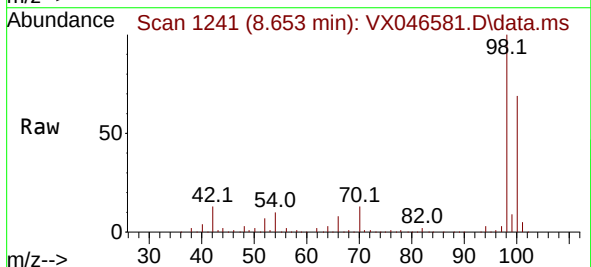
Instrument :
MSVOA_X
ClientSampleId :
TP11-MHL-WC

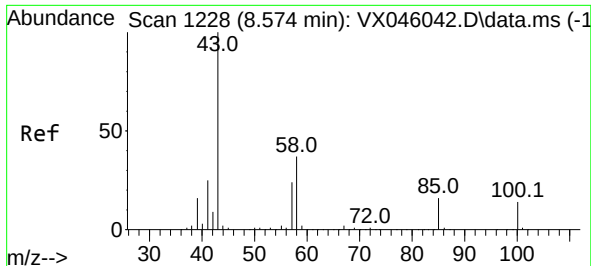
Tgt Ion: 41 Resp: 37827
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.4 51.7 77.5



#50
Toluene-d8
Concen: 49.699 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Tgt Ion: 98 Resp: 233922
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3

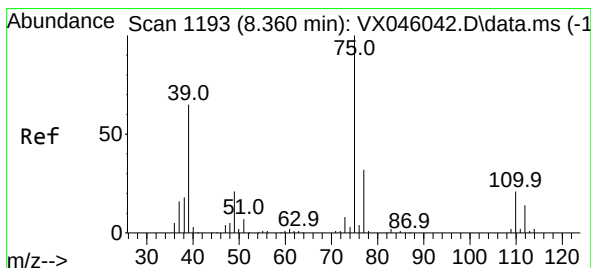
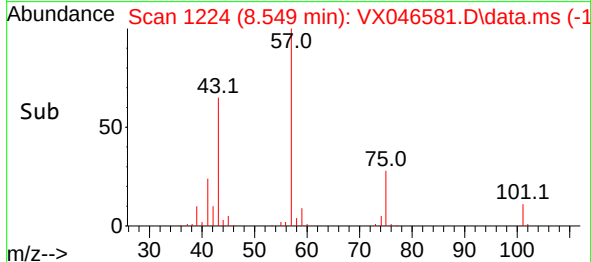
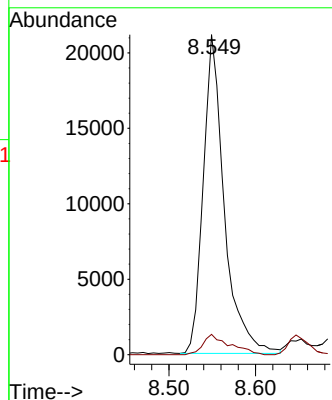
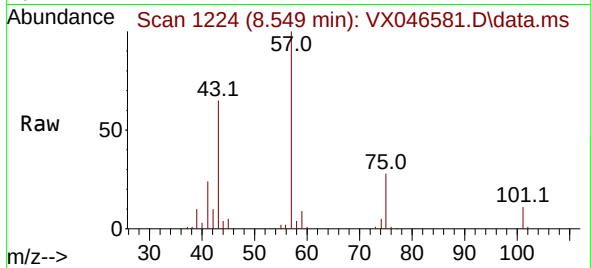




#51
4-Methyl-2-Pentanone
Concen: 16.163 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

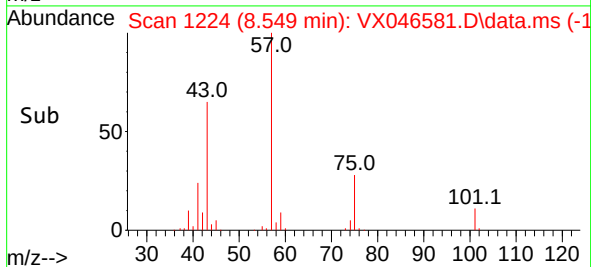
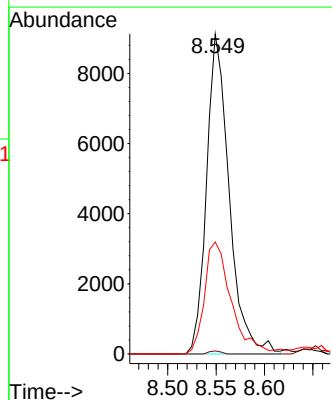
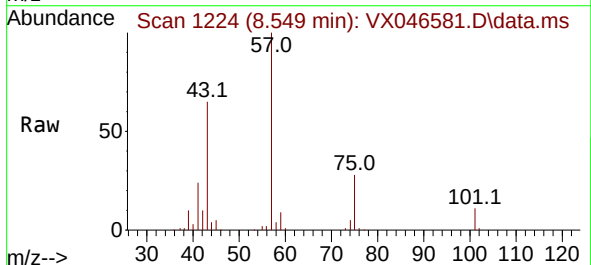
Instrument :
MSVOA_X
ClientSampleId :
TP11-MHL-WC

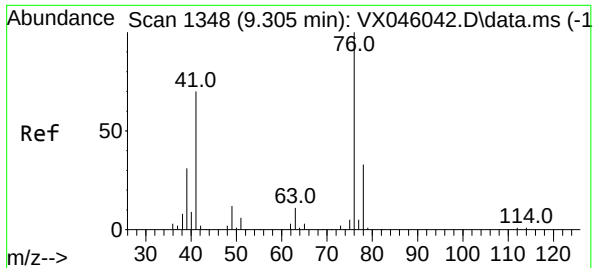
Tgt Ion: 43 Resp: 35637
Ion Ratio Lower Upper
43 100
58 8.1 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 6.511 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Tgt Ion: 75 Resp: 14878
Ion Ratio Lower Upper
75 100
77 1.0 25.4 38.0#
39 35.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.557 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX046581.D

Acq: 09 Jun 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

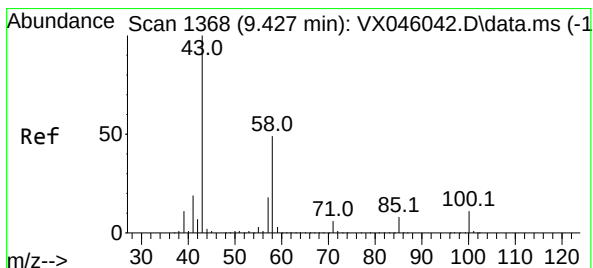
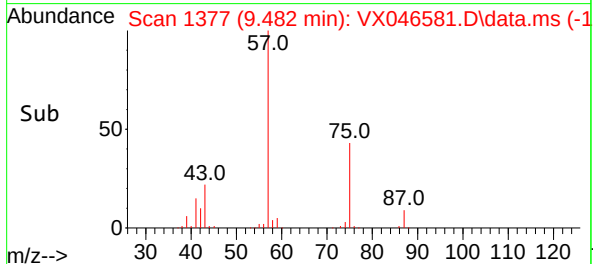
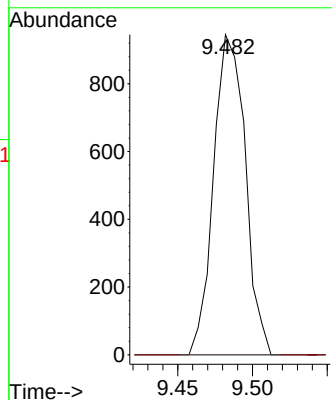
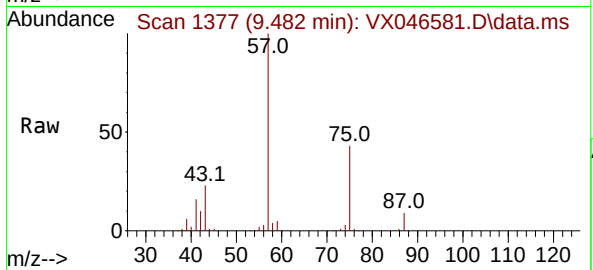
TP11-MHL-WC

Tgt Ion: 76 Resp: 1393

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 7.119 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX046581.D

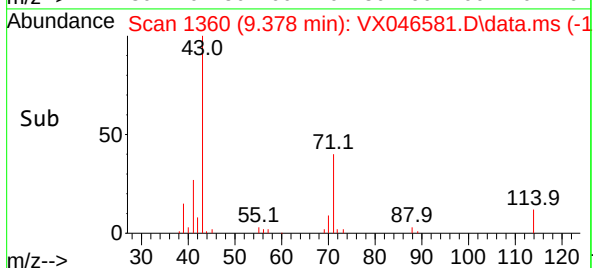
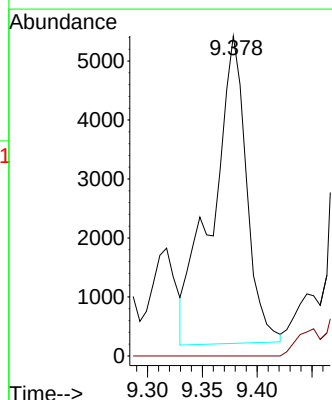
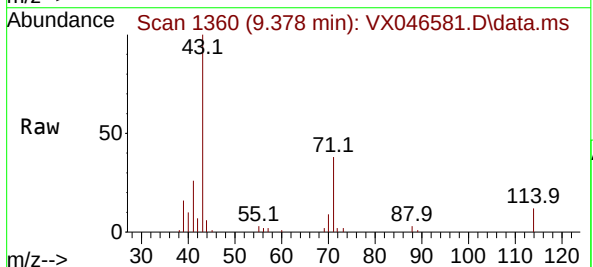
Acq: 09 Jun 2025 15:48

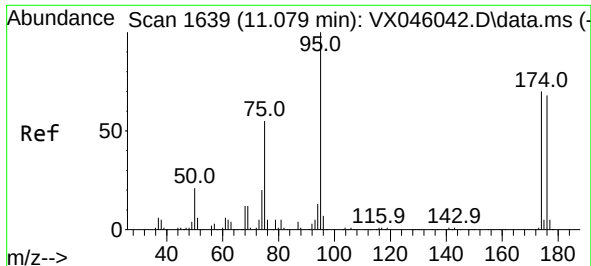
Tgt Ion: 43 Resp: 11257

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

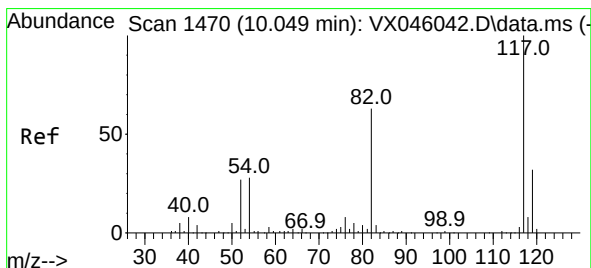
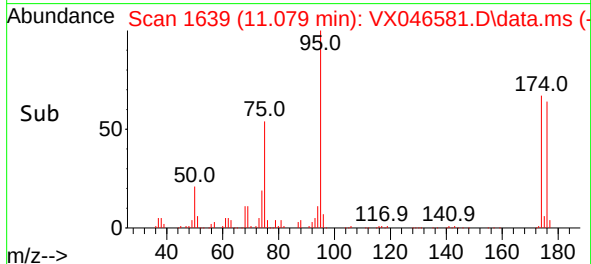
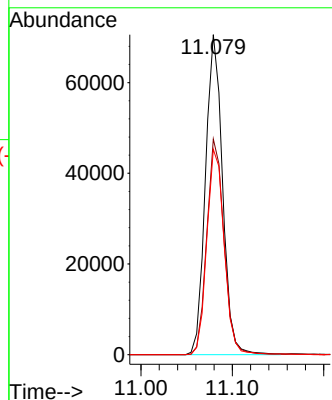
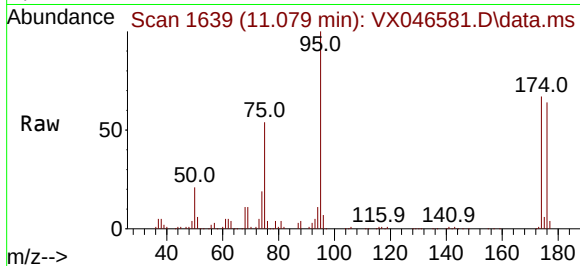




#62
4-Bromofluorobenzene
Concen: 46.901 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

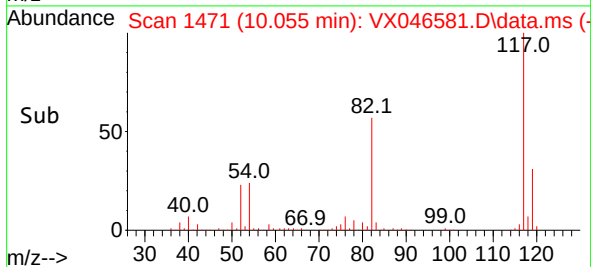
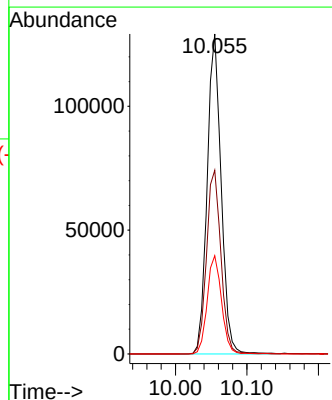
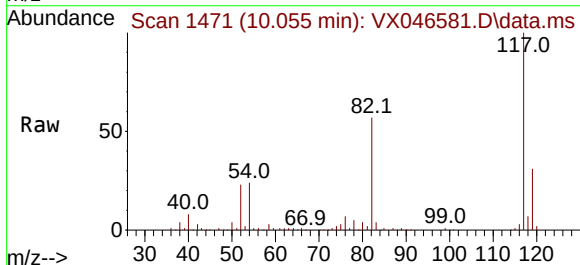
Instrument :
MSVOA_X
ClientSampleId :
TP11-MHL-WC

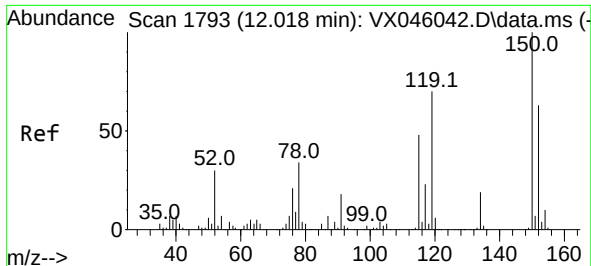
Tgt Ion: 95 Resp: 91335
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046581.D
Acq: 09 Jun 2025 15:48

Tgt Ion: 117 Resp: 175205
Ion Ratio Lower Upper
117 100
82 57.4 50.6 76.0
119 30.7 25.8 38.6

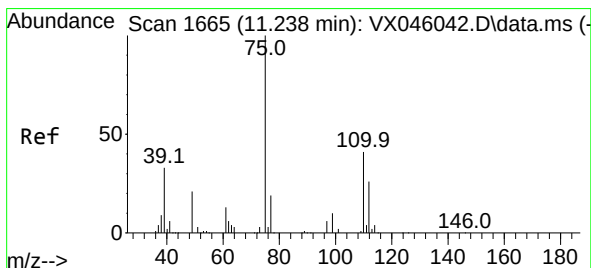
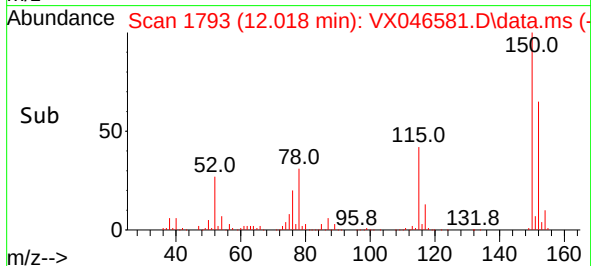
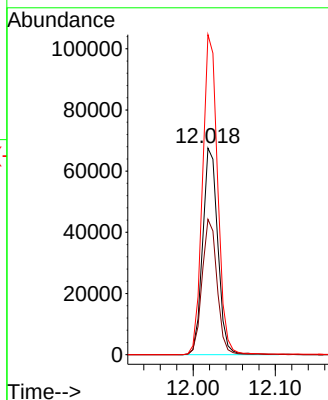
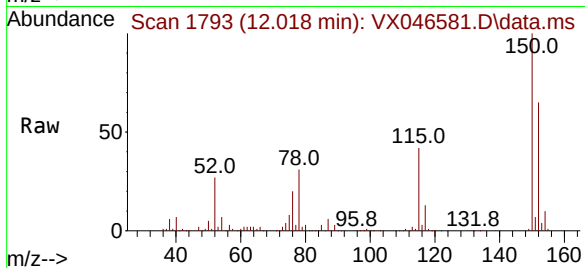




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046581.D
 Acq: 09 Jun 2025 15:48

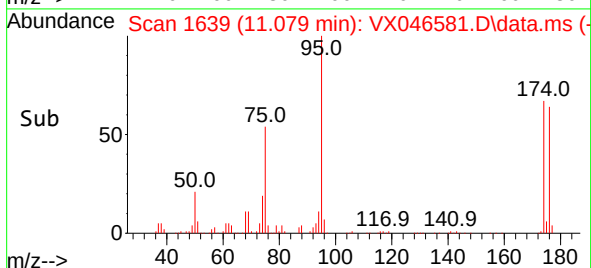
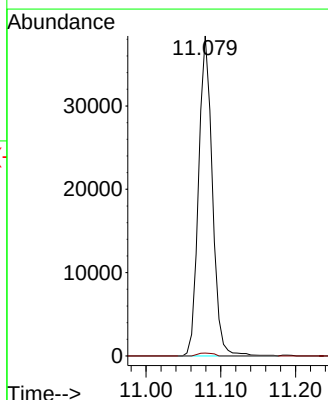
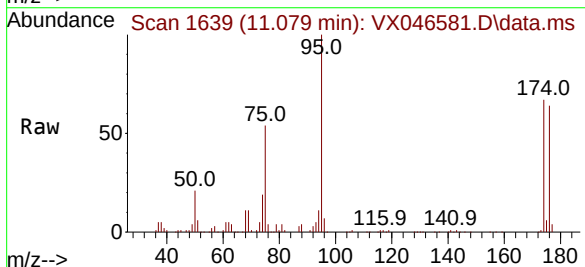
Instrument :
 MSVOA_X
 ClientSampleId :
 TP11-MHL-WC

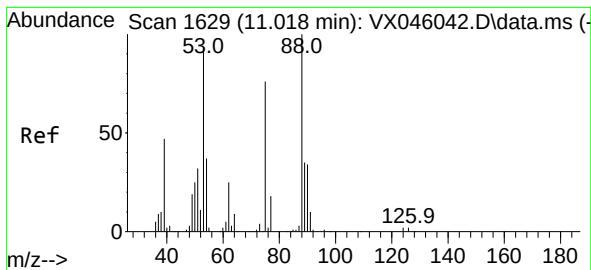
Tgt Ion:152 Resp: 86589
 Ion Ratio Lower Upper
 152 100
 115 64.9 46.9 140.7
 150 154.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 26.825 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046581.D
 Acq: 09 Jun 2025 15:48

Tgt Ion: 75 Resp: 49199
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.380 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046581.D
 Acq: 09 Jun 2025 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TP11-MHL-WC

Tgt Ion: 75 Resp: 49199
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

