

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046650.D
 Acq On : 11 Jun 2025 20:04
 Operator : JC/MD
 Sample : Q2278-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Jun 12 02:37:19 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)

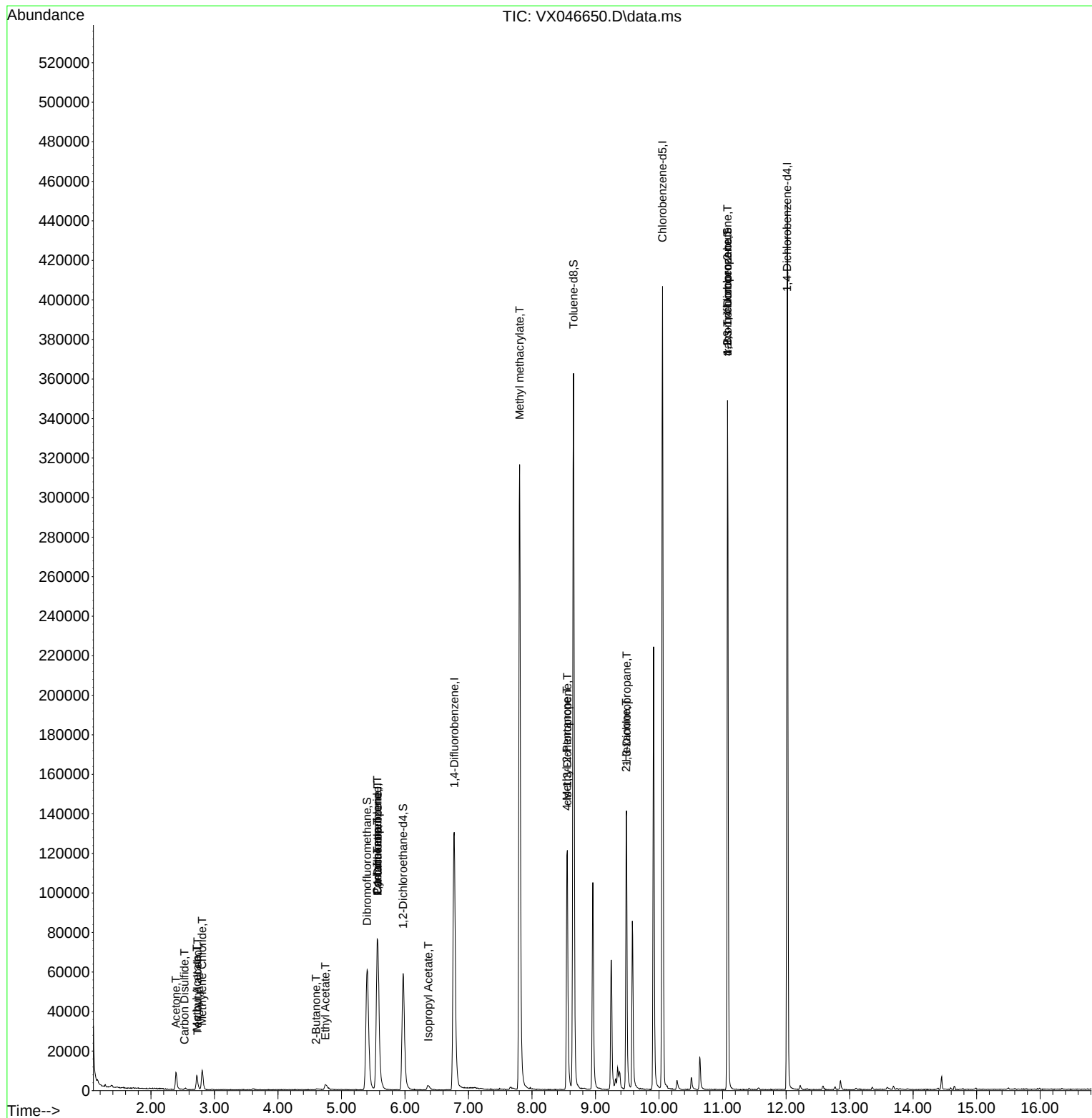
Internal Standards						
1) Pentafluorobenzene	5.568	168	80049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	147113	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	62562	43.929	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.860%
35) Dibromofluoromethane	5.403	113	58330	53.916	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.840%
50) Toluene-d8	8.653	98	215519	60.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	120.840%#
62) 4-Bromofluorobenzene	11.079	95	90785	61.519	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	123.040%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.733	59	820	5.189	ug/l #	72
16) Acetone	2.392	43	11190	24.236	ug/l	100
17) Carbon Disulfide	2.526	76	289	0.345	ug/l #	76
18) Methyl Acetate	2.721	43	9764	5.756	ug/l	98
20) Methylene Chloride	2.806	84	4821	4.220	ug/l #	83
25) 2-Butanone	4.599	43	434	0.547	ug/l #	53
31) Cyclohexane	5.562	56	1762	1.064	ug/l #	7
36) 1,1-Dichloropropene	5.568	75	6407	4.146	ug/l #	50
37) Ethyl Acetate	4.745	43	4859	3.222	ug/l	97
38) Carbon Tetrachloride	5.562	117	7870	4.547	ug/l #	18
43) Isopropyl Acetate	6.367	43	4176	1.588	ug/l	98
48) Methyl methacrylate	7.805	41	30088	22.240	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	46424	27.784	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	21574	12.459	ug/l #	54
57) 1,3-Dichloropropane	9.488	76	1260	0.665	ug/l #	42
59) 2-Hexanone	9.482	43	18317	15.285	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	47672	24.740	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	47672	71.367	ug/l #	1

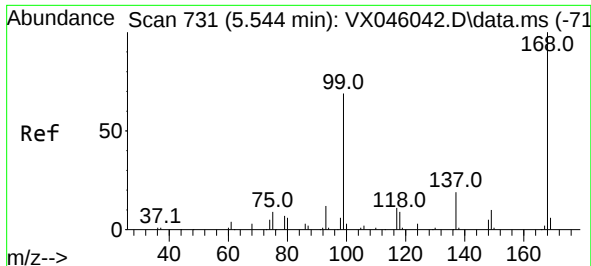
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046650.D
Acq On : 11 Jun 2025 20:04
Operator : JC/MD
Sample : Q2278-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Quant Time: Jun 12 02:37:19 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

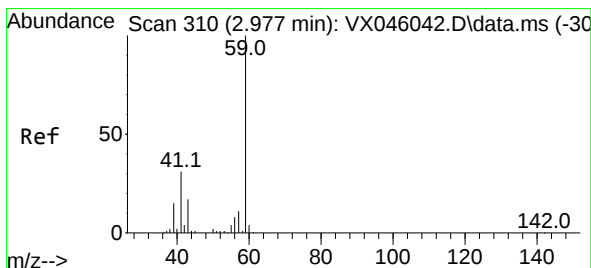
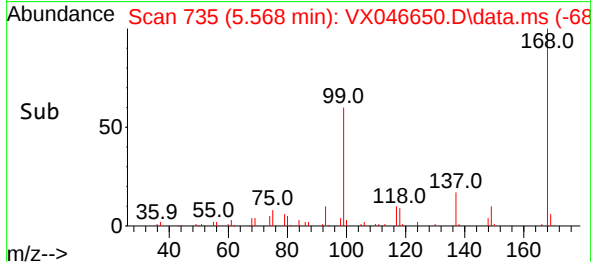
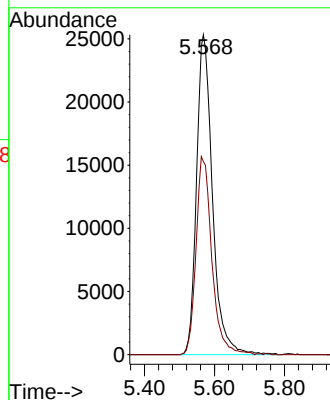
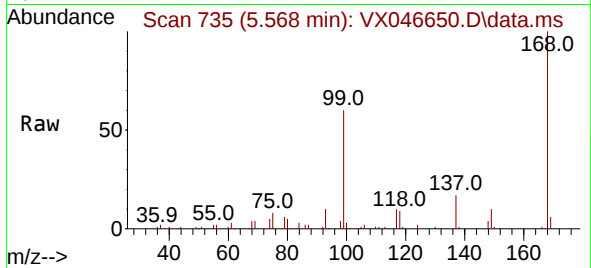




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

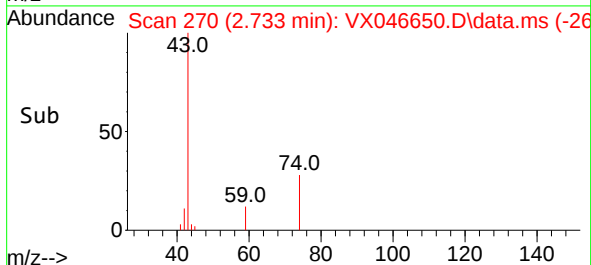
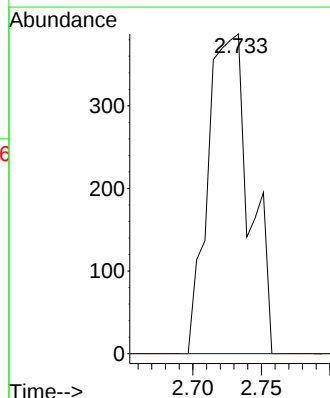
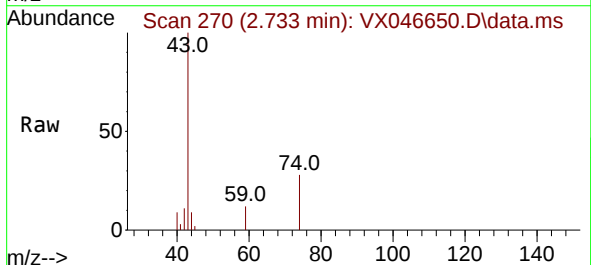
Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion:168 Resp: 80049
Ion Ratio Lower Upper
168 100
99 60.4 54.9 82.3



#11
Tert butyl alcohol
Concen: 5.189 ug/l
RT: 2.733 min Scan# 270
Delta R.T. -0.238 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 59 Resp: 820
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

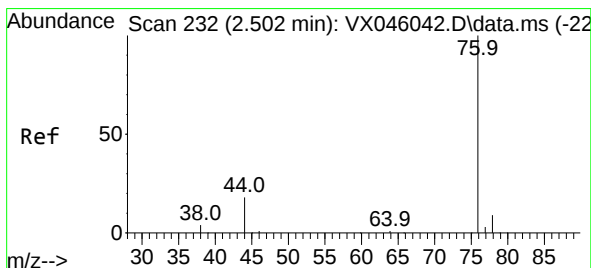
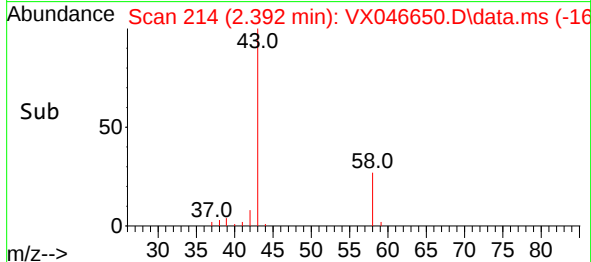
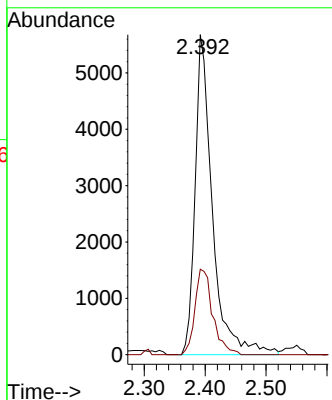
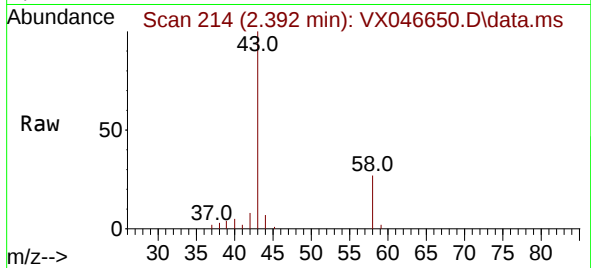




#16
Acetone
Concen: 24.236 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

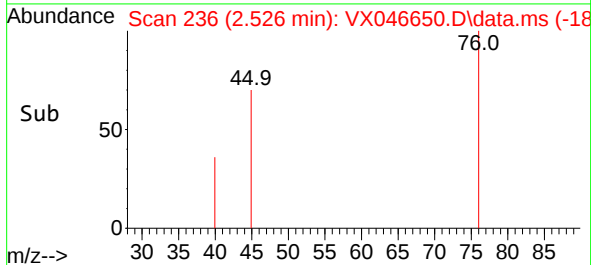
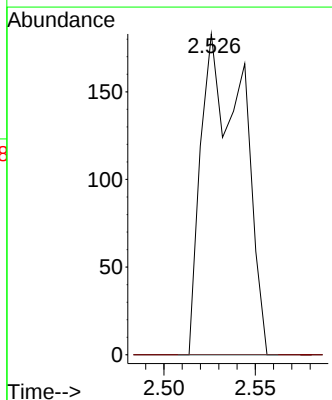
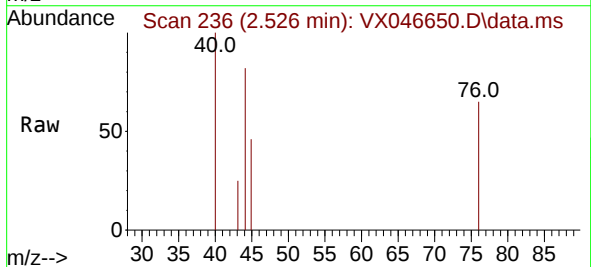
Instrument :
MSVOA_X
ClientSampleId :
TP-2

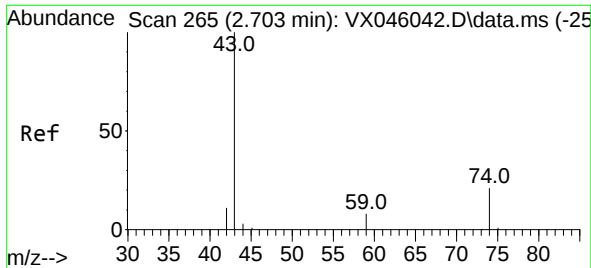
Tgt Ion: 43 Resp: 11190
Ion Ratio Lower Upper
43 100
58 26.7 21.2 31.8



#17
Carbon Disulfide
Concen: 0.345 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 76 Resp: 289
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

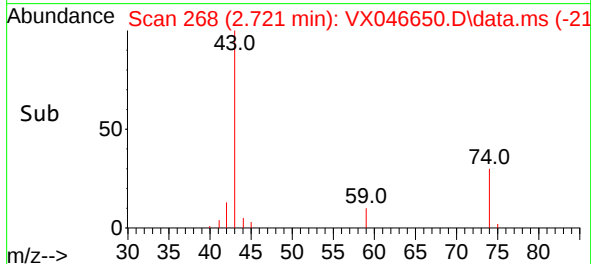
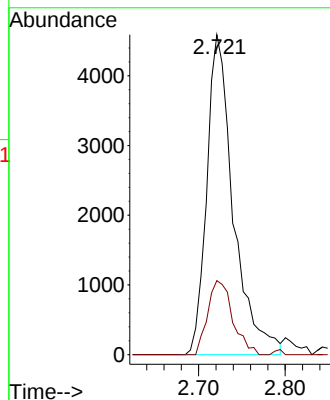
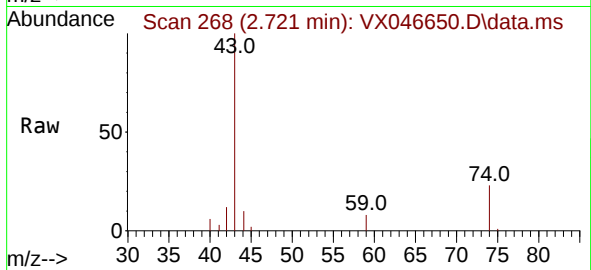




#18
Methyl Acetate
Concen: 5.756 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

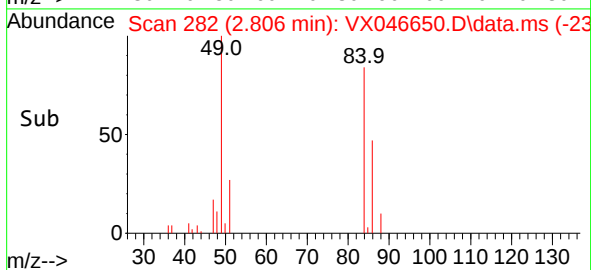
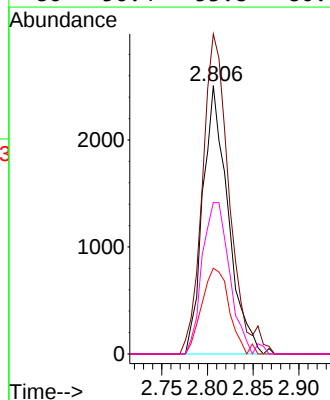
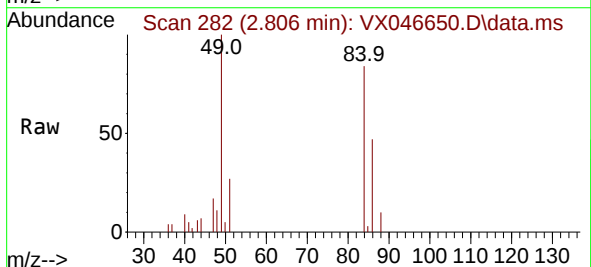
Instrument :
MSVOA_X
ClientSampleId :
TP-2

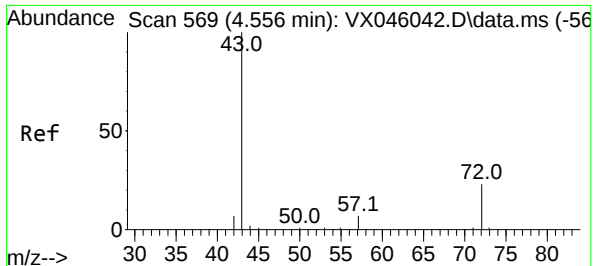
Tgt Ion: 43 Resp: 9764
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1



#20
Methylene Chloride
Concen: 4.220 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 84 Resp: 4821
Ion Ratio Lower Upper
84 100
49 119.3 113.9 170.9
51 32.0 33.5 50.3#
86 56.4 53.8 80.8

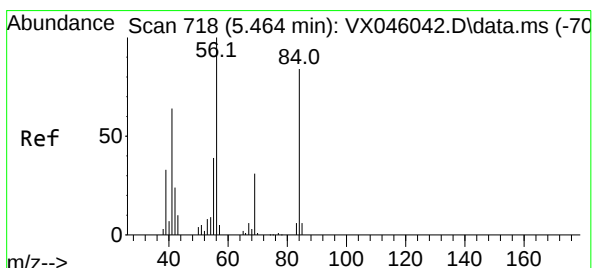
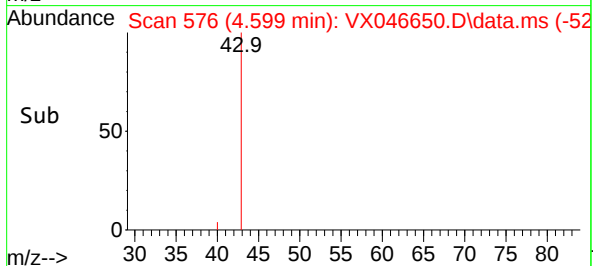
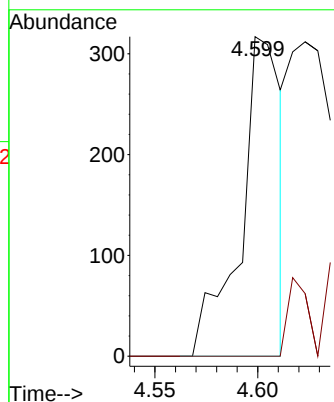
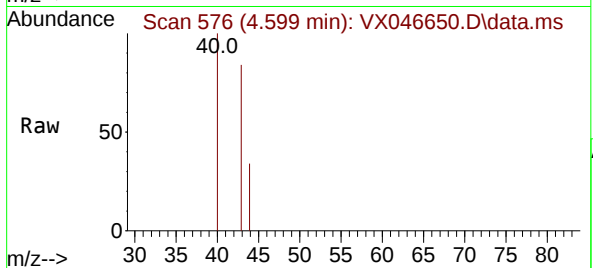




#25
2-Butanone
Concen: 0.547 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

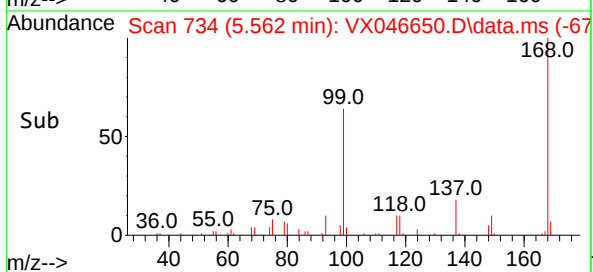
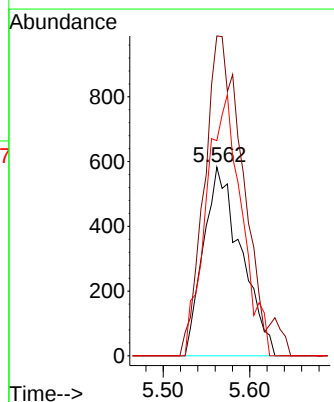
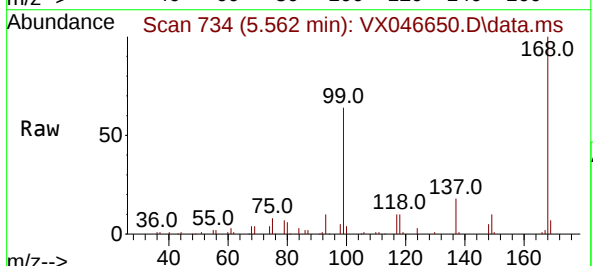
Instrument :
MSVOA_X
ClientSampleId :
TP-2

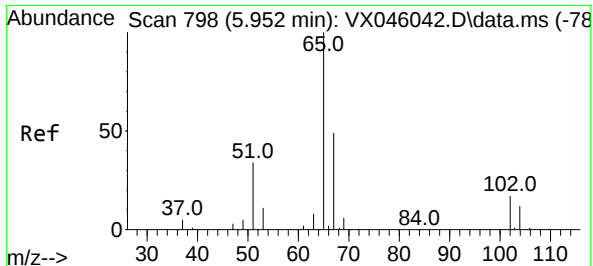
Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#



#31
Cyclohexane
Concen: 1.064 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.073 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 56 Resp: 1762
Ion Ratio Lower Upper
56 100
69 169.5 24.4 36.6#
84 114.1 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 43.929 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046650.D

Acq: 11 Jun 2025 20:04

Instrument :

MSVOA_X

ClientSampleId :

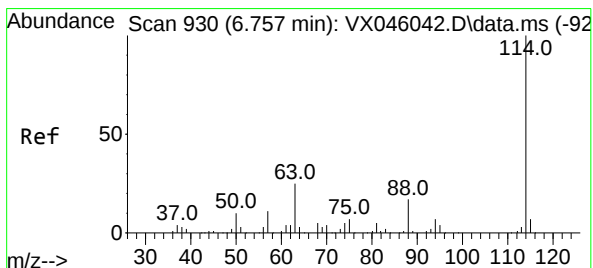
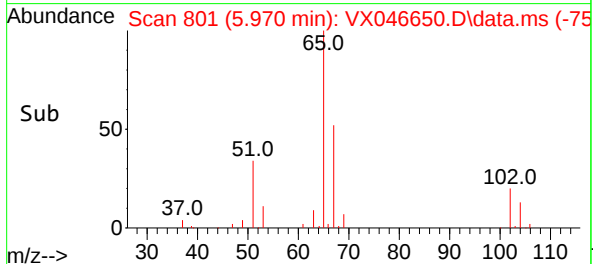
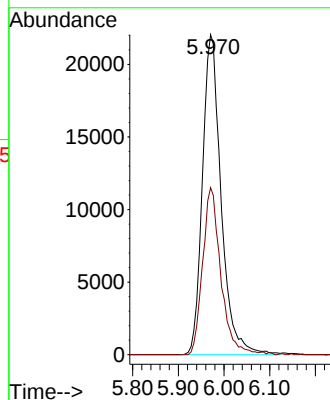
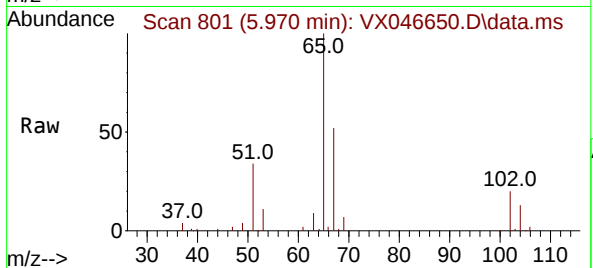
TP-2

Tgt Ion: 65 Resp: 62562

Ion Ratio Lower Upper

65 100

67 50.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046650.D

Acq: 11 Jun 2025 20:04

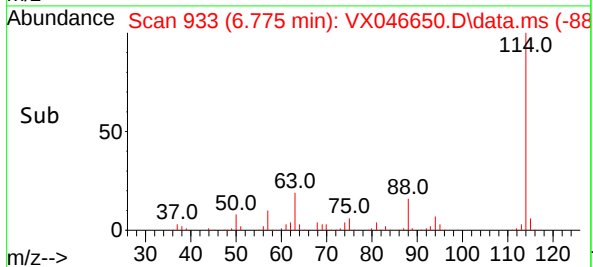
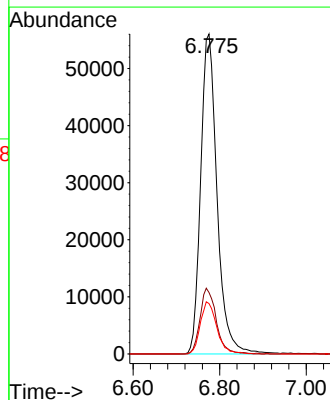
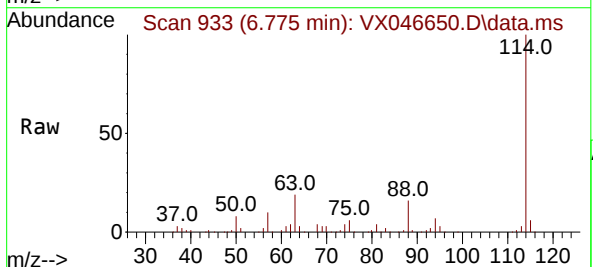
Tgt Ion: 114 Resp: 147113

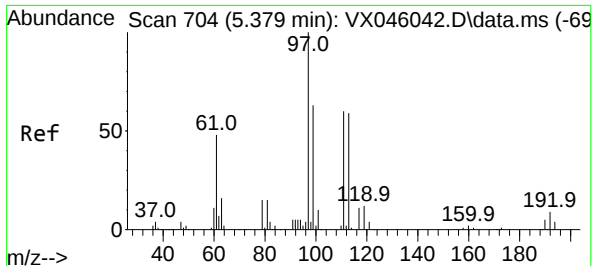
Ion Ratio Lower Upper

114 100

63 19.2 0.0 49.2

88 15.7 0.0 33.6

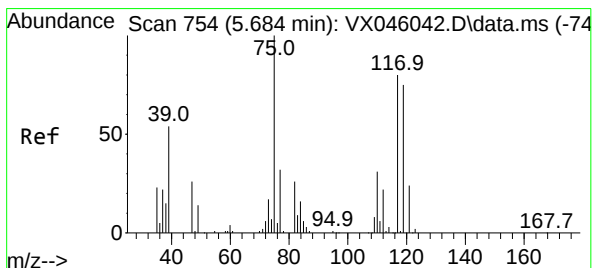
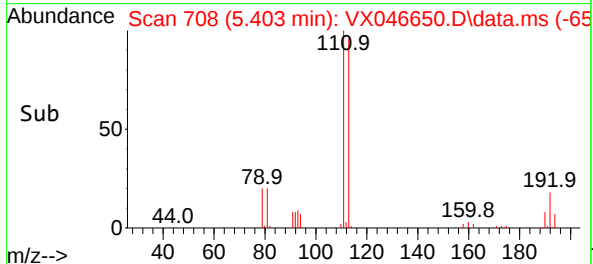
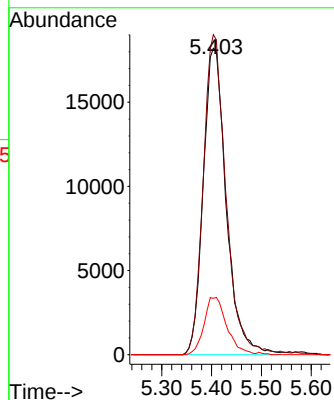
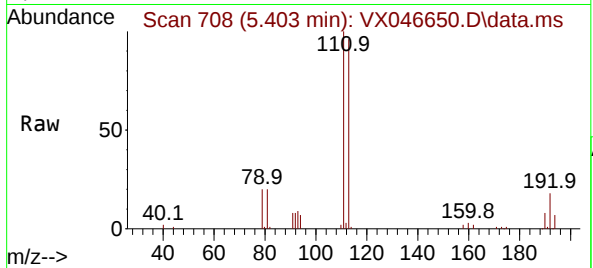




#35
Dibromofluoromethane
Concen: 53.916 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

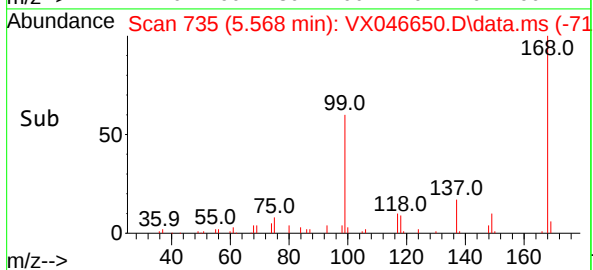
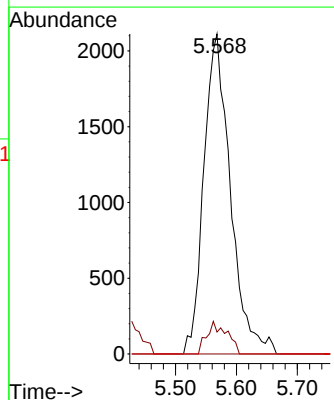
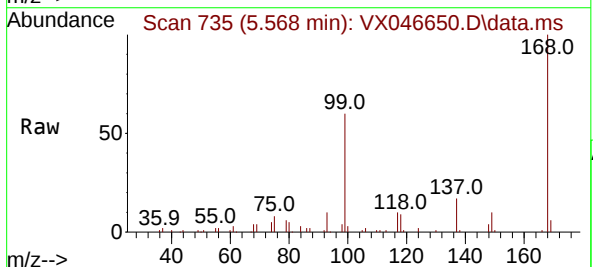
Instrument :
MSVOA_X
ClientSampleId :
TP-2

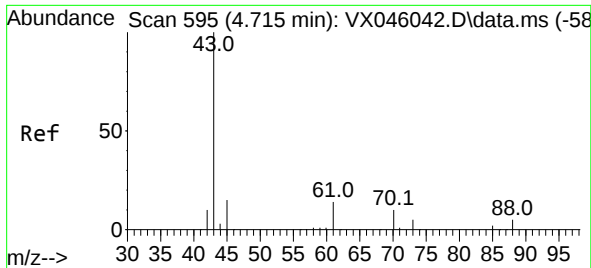
Tgt Ion:113 Resp: 58330
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.146 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 75 Resp: 6407
Ion Ratio Lower Upper
75 100
110 7.7 16.3 48.9#
77 0.0 24.3 36.5#

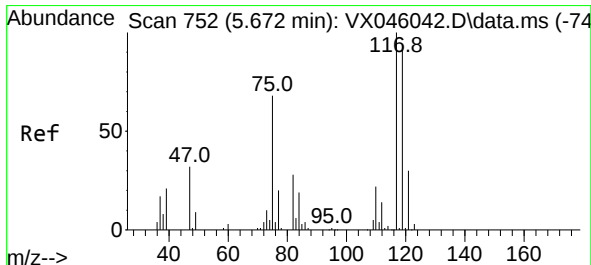
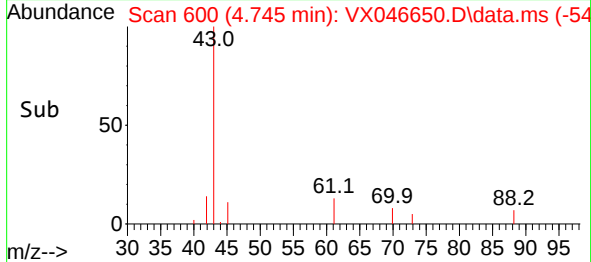
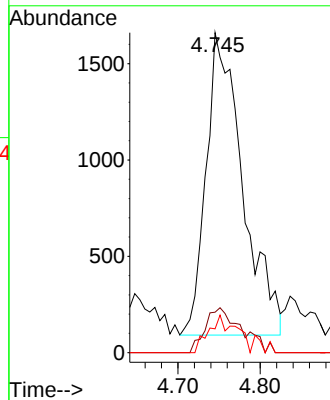
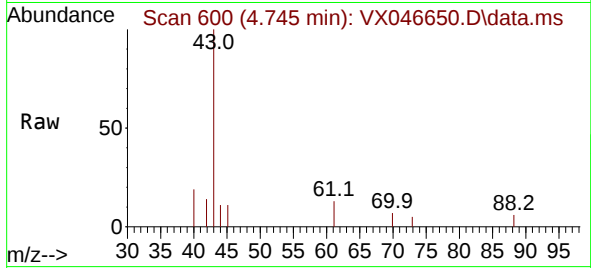




#37
Ethyl Acetate
Concen: 3.222 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

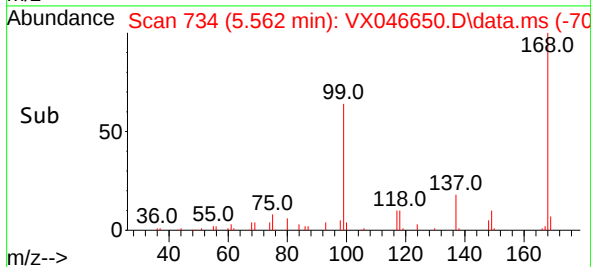
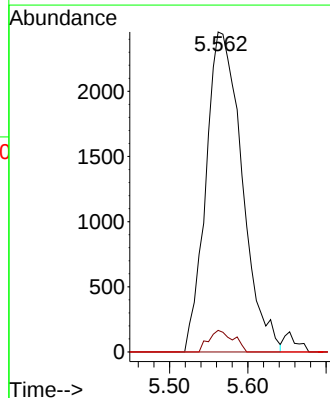
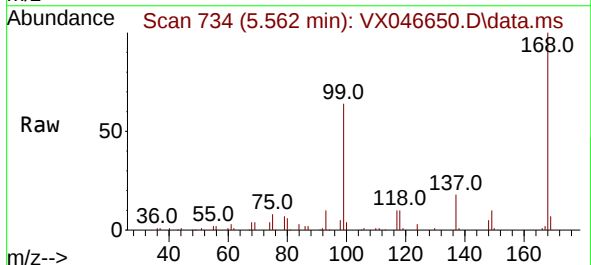
Instrument :
MSVOA_X
ClientSampleId :
TP-2

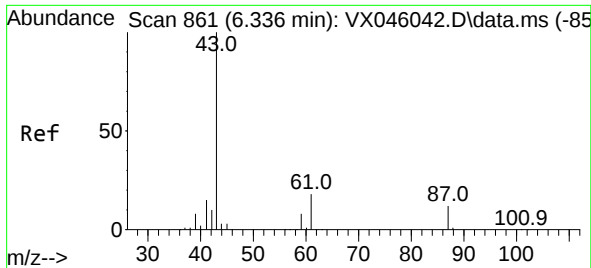
Tgt Ion:	43	Resp:	4859
Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.3	15.5
70	9.2	7.9	11.9



#38
Carbon Tetrachloride
Concen: 4.547 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion:	117	Resp:	7870
Ion	Ratio	Lower	Upper
117	100		
119	6.8	75.2	112.8#
121	0.0	24.2	36.4#

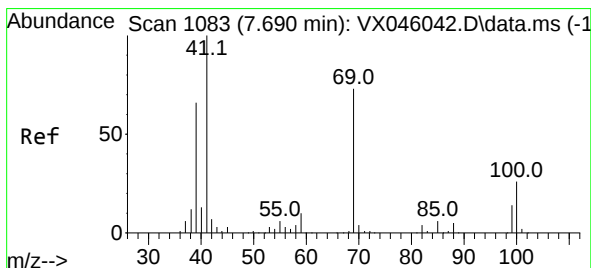
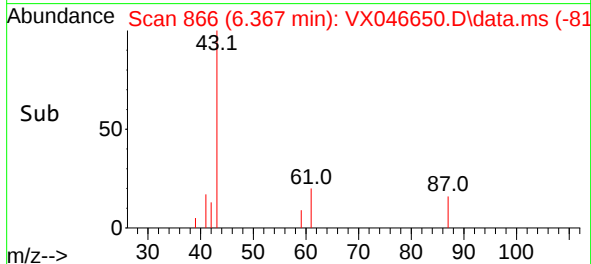
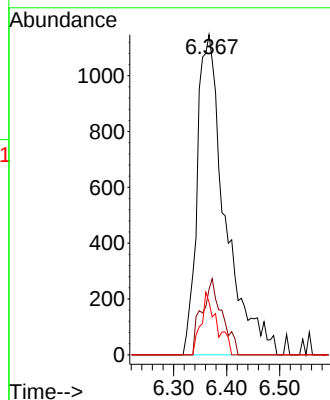
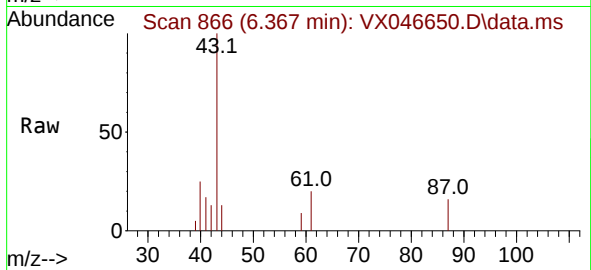




#43
Isopropyl Acetate
Concen: 1.588 ug/l
RT: 6.367 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

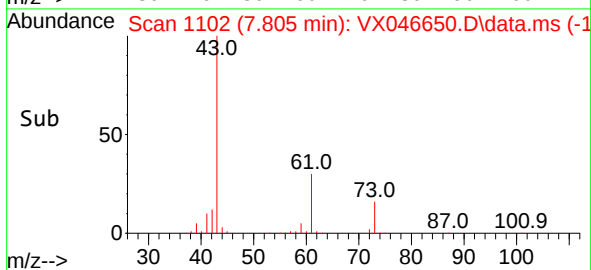
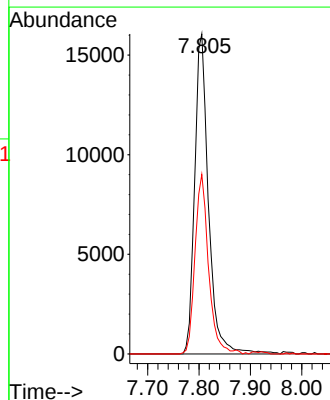
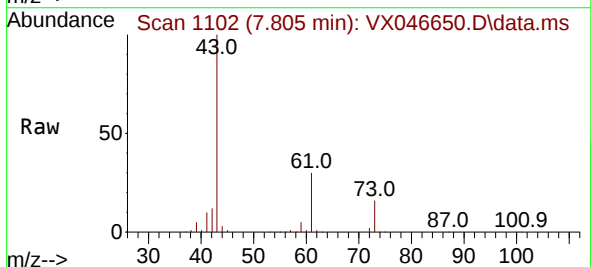
Instrument :
MSVOA_X
ClientSampleId :
TP-2

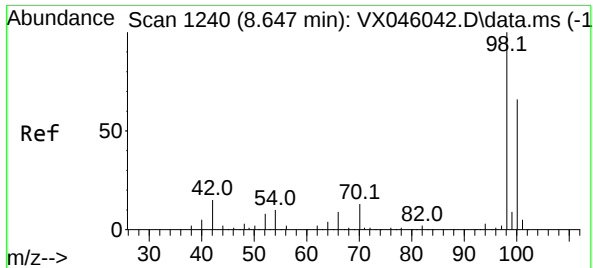
Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 11.1 9.5 14.3



#48
Methyl methacrylate
Concen: 22.240 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 41 Resp: 30088
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.2 51.7 77.5

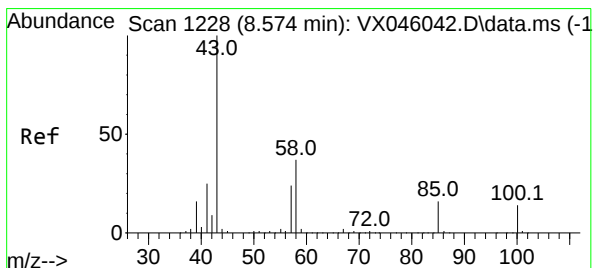
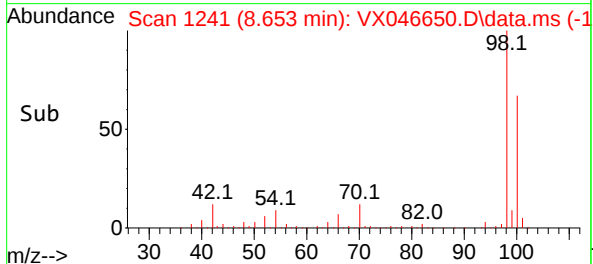
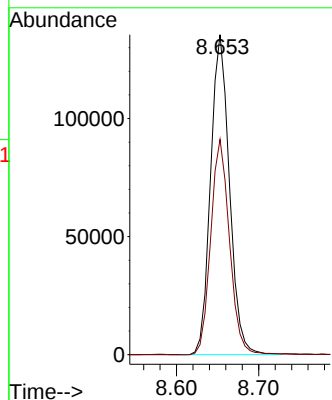
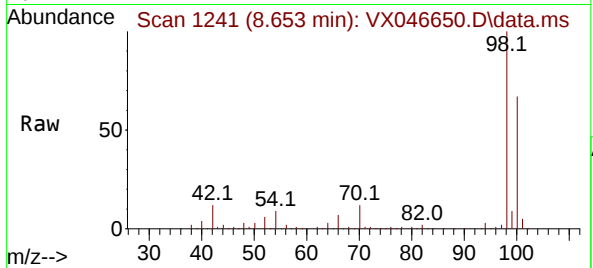




#50
Toluene-d8
Concen: 60.424 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

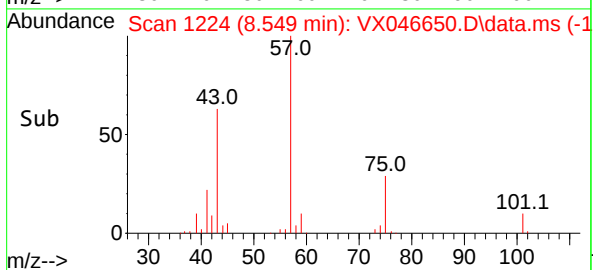
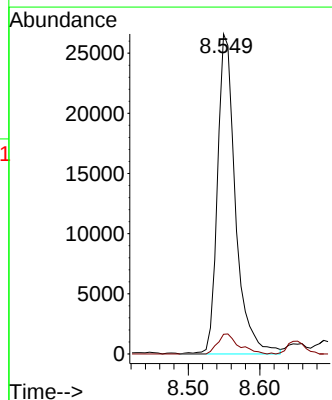
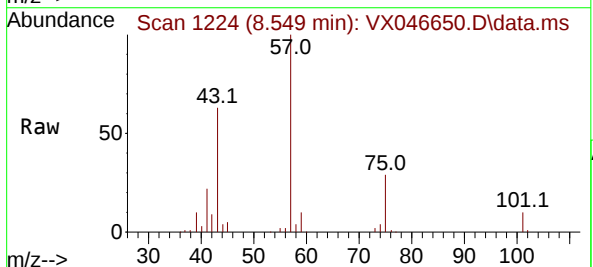
Instrument :
MSVOA_X
ClientSampleId :
TP-2

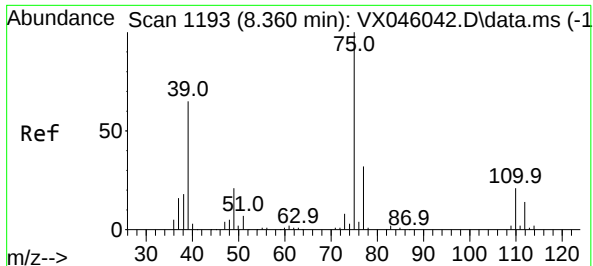
Tgt Ion: 98 Resp: 215519
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 27.784 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 43 Resp: 46424
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#

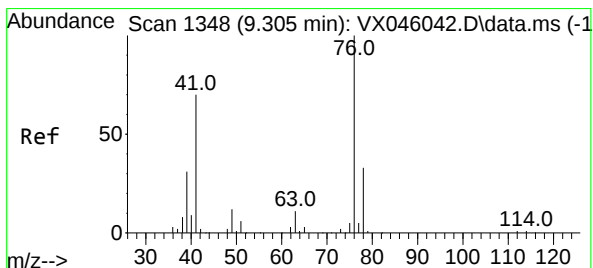
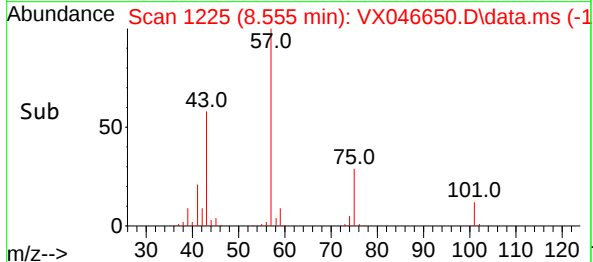
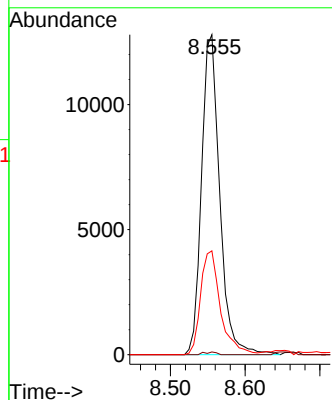
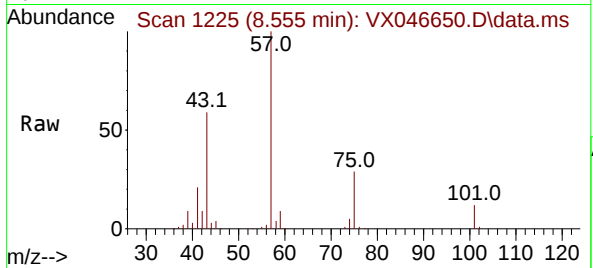




#54
 cis-1,3-Dichloropropene
 Concen: 12.459 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046650.D
 Acq: 11 Jun 2025 20:04

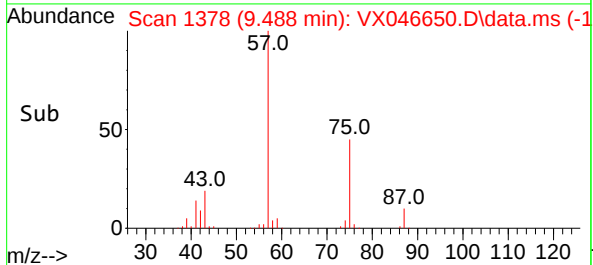
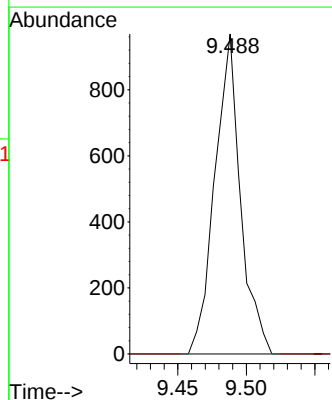
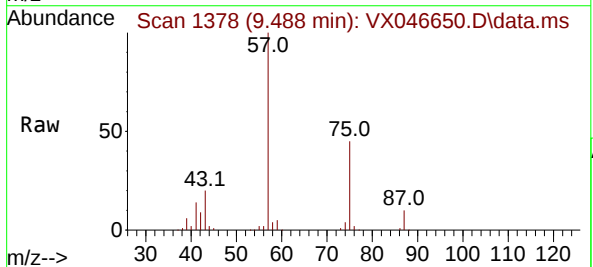
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

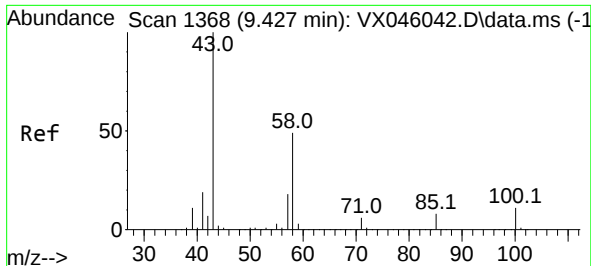
Tgt Ion: 75 Resp: 21574
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.4 38.0#
 39 32.5 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.665 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX046650.D
 Acq: 11 Jun 2025 20:04

Tgt Ion: 76 Resp: 1260
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

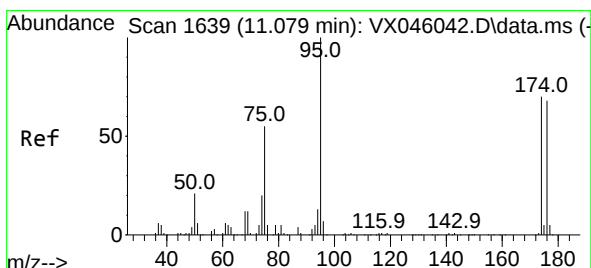
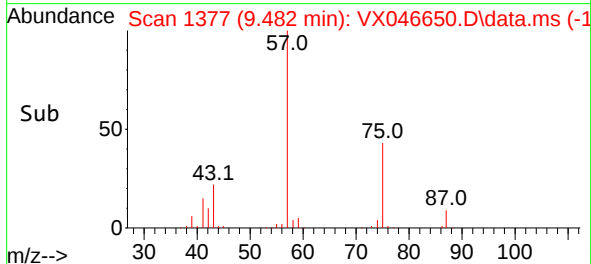
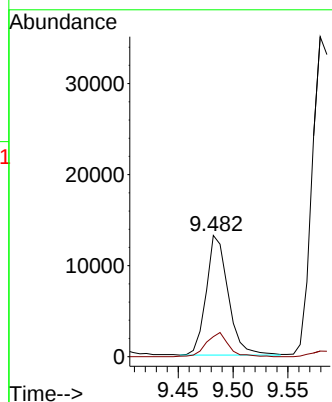
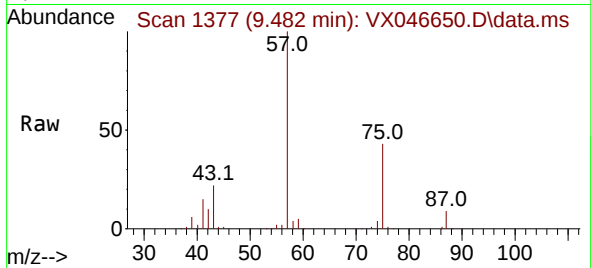




#59
2-Hexanone
Concen: 15.285 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

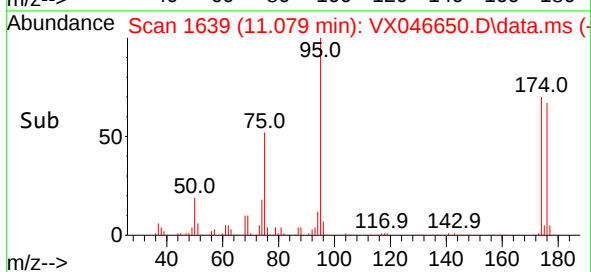
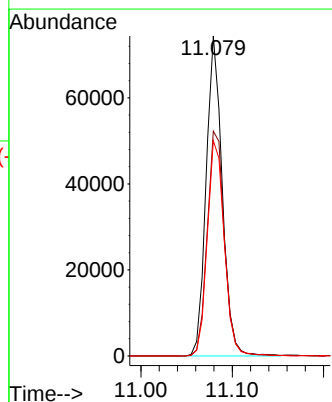
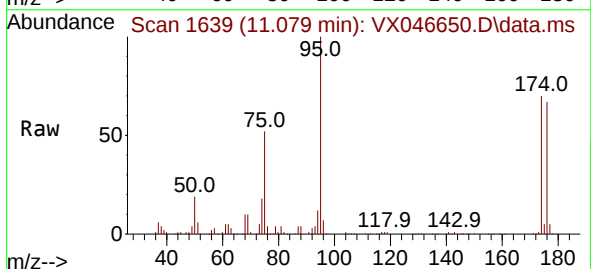
Instrument :
MSVOA_X
ClientSampleId :
TP-2

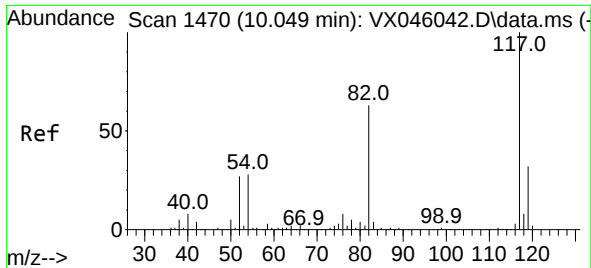
Tgt Ion: 43 Resp: 18317
Ion Ratio Lower Upper
43 100
58 20.4 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 61.519 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion: 95 Resp: 90785
Ion Ratio Lower Upper
95 100
174 75.4 0.0 135.8
176 71.1 0.0 131.4

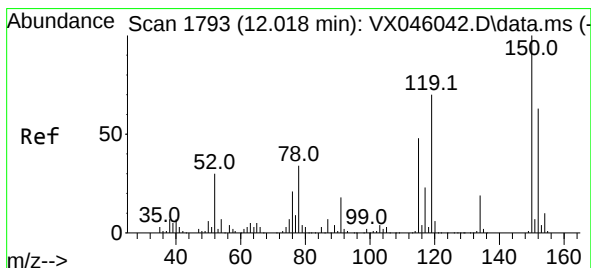
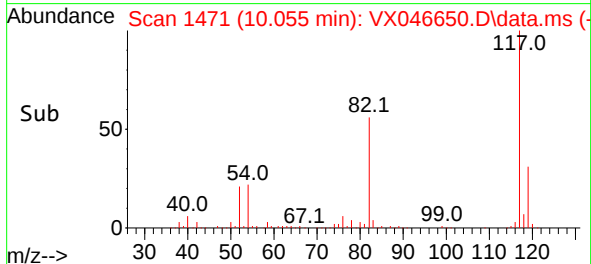
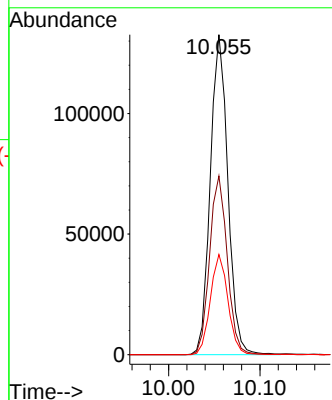
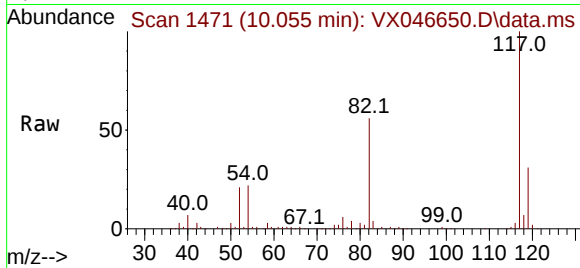




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

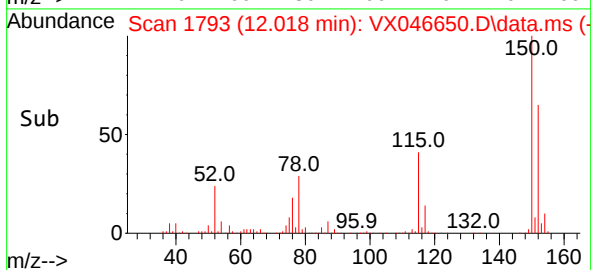
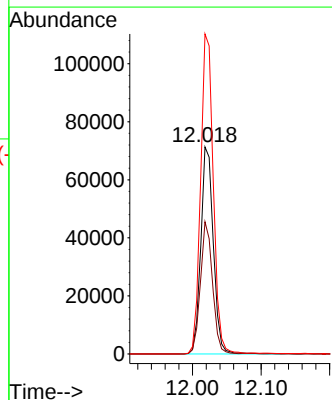
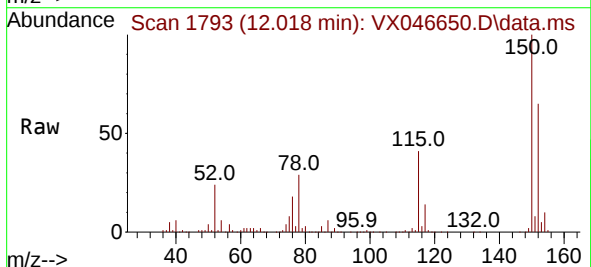
Instrument :
MSVOA_X
ClientSampleId :
TP-2

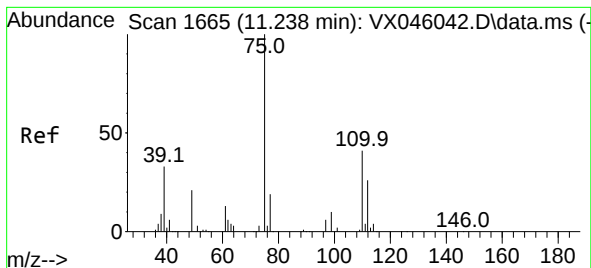
Tgt Ion:117 Resp: 176561
Ion Ratio Lower Upper
117 100
82 55.8 50.6 76.0
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046650.D
Acq: 11 Jun 2025 20:04

Tgt Ion:152 Resp: 90971
Ion Ratio Lower Upper
152 100
115 61.7 46.9 140.7
150 155.9 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 24.740 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046650.D

Acq: 11 Jun 2025 20:04

Instrument :

MSVOA_X

ClientSampleId :

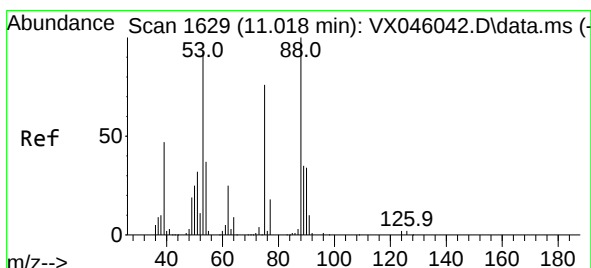
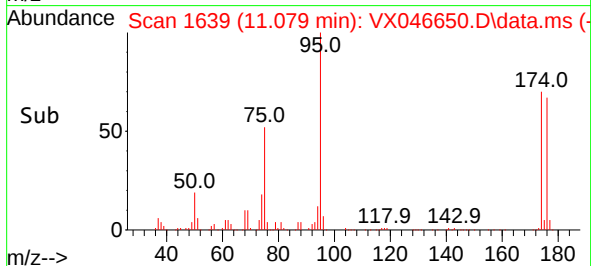
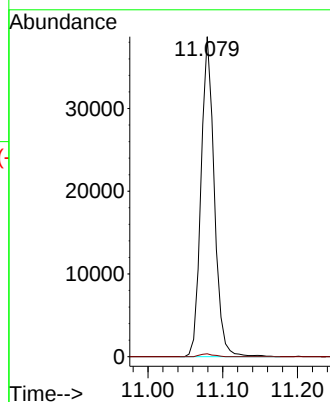
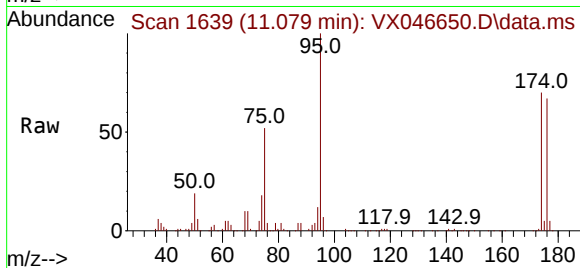
TP-2

Tgt Ion: 75 Resp: 47672

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.367 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046650.D

Acq: 11 Jun 2025 20:04

Tgt Ion: 75 Resp: 47672

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

