

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046572.D
 Acq On : 09 Jun 2025 12:37
 Operator : JC/MD
 Sample : Q2240-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Jun 10 01:41:29 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

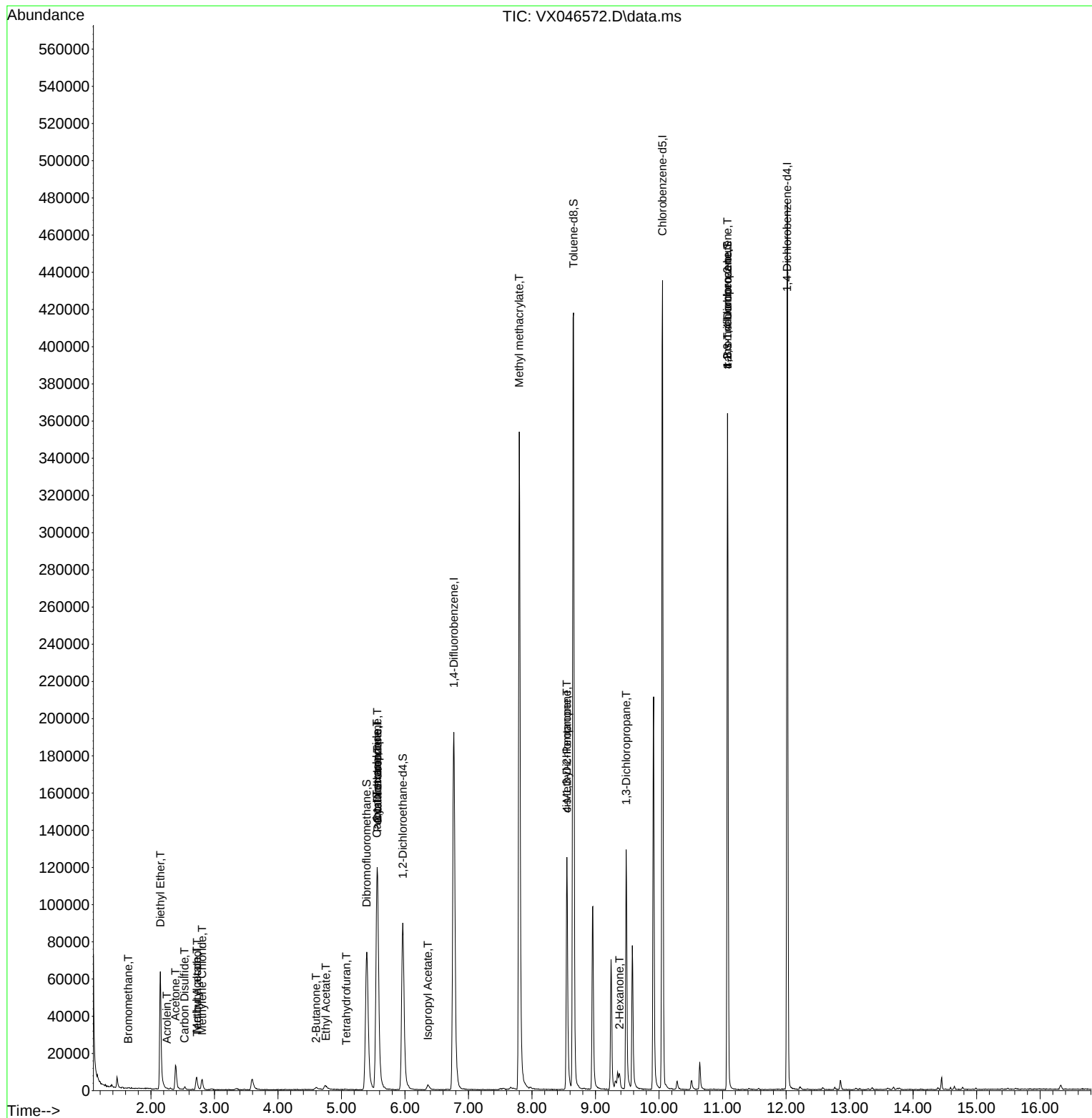
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	111802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	199705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96212	48.370	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.740%
35) Dibromofluoromethane	5.397	113	69441	47.283	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.560%
50) Toluene-d8	8.653	98	249299	51.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.980%
62) 4-Bromofluorobenzene	11.079	95	97010	48.425	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.860%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	217	0.254	ug/l #	4
8) Diethyl Ether	2.148	74	24852	30.185	ug/l	91
11) Tert butyl alcohol	2.727	59	683	3.095	ug/l #	72
13) Acrolein	2.252	56	124	30.414	ug/l #	15
16) Acetone	2.386	43	16622	25.484	ug/l	93
17) Carbon Disulfide	2.526	76	1148	0.608	ug/l	97
18) Methyl Acetate	2.721	43	9626	4.063	ug/l	98
20) Methylene Chloride	2.806	84	2784	1.745	ug/l #	87
25) 2-Butanone	4.599	43	3318	2.997	ug/l	96
29) Tetrahydrofuran	5.074	42	178	0.255	ug/l #	35
31) Cyclohexane	5.562	56	2827	1.223	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10697	5.099	ug/l #	51
37) Ethyl Acetate	4.751	43	6181	3.019	ug/l #	88
38) Carbon Tetrachloride	5.556	117	12697	5.404	ug/l #	15
43) Isopropyl Acetate	6.361	43	4269	1.196	ug/l #	92
48) Methyl methacrylate	7.799	41	34759	18.927	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	46487	20.495	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	19686	8.375	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	1106	0.430	ug/l #	42
59) 2-Hexanone	9.378	43	6579	4.044	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	52454	27.761	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	52454	80.079	ug/l #	1

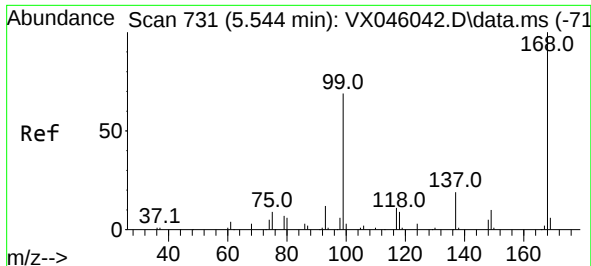
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
Data File : VX046572.D
Acq On : 09 Jun 2025 12:37
Operator : JC/MD
Sample : Q2240-08RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Quant Time: Jun 10 01:41:29 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

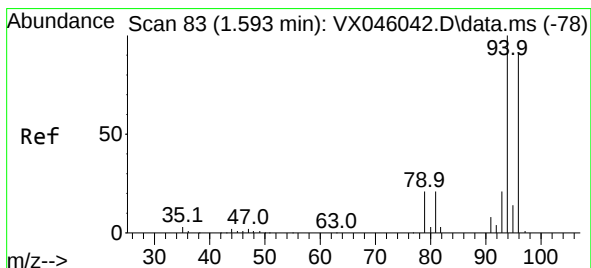
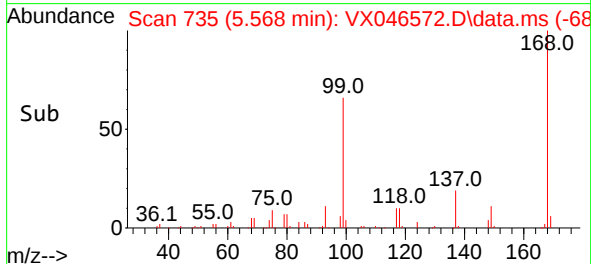
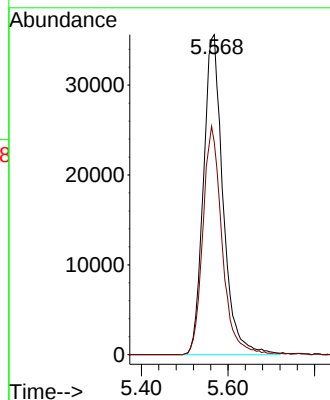
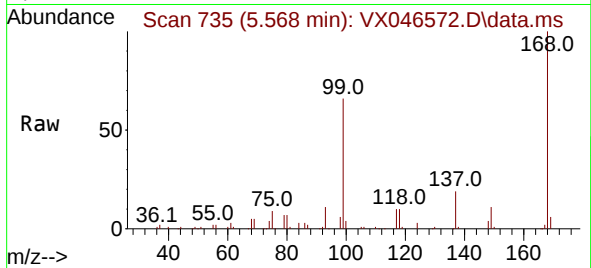




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

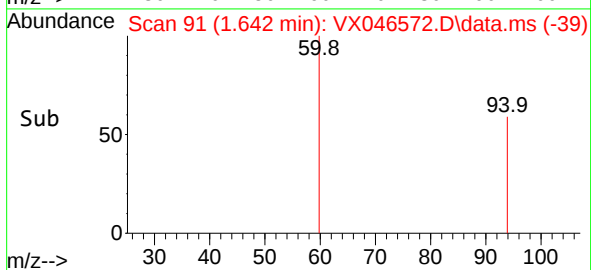
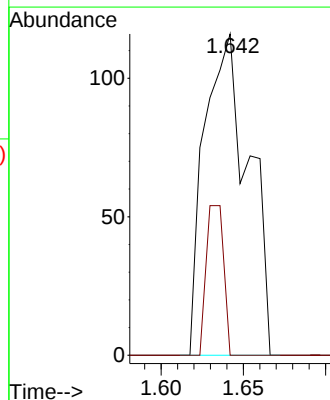
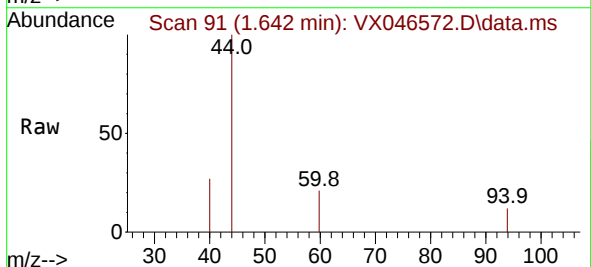
Instrument :
MSVOA_X
ClientSampleId :
TP-2

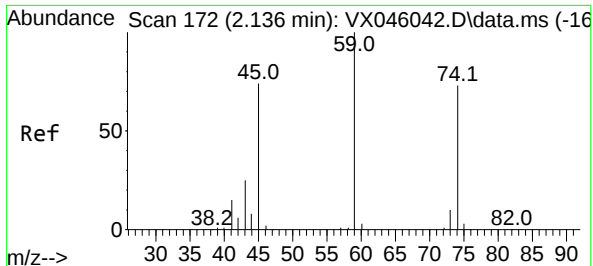
Tgt Ion:168 Resp: 111802
Ion Ratio Lower Upper
168 100
99 66.4 54.9 82.3



#5
Bromomethane
Concen: 0.254 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

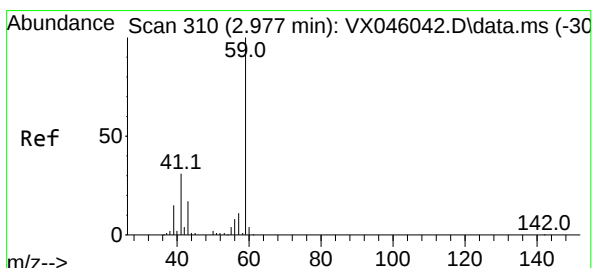
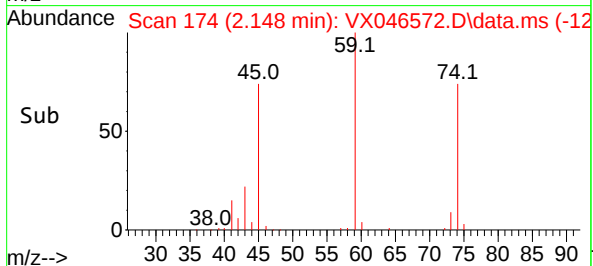
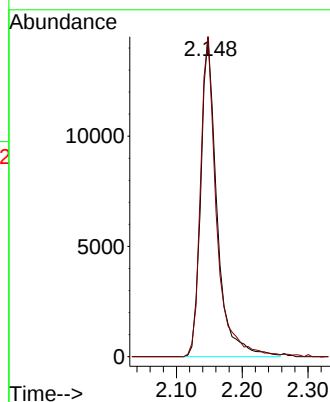
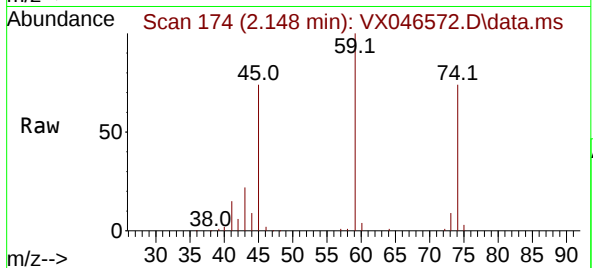




#8
Diethyl Ether
Concen: 30.185 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

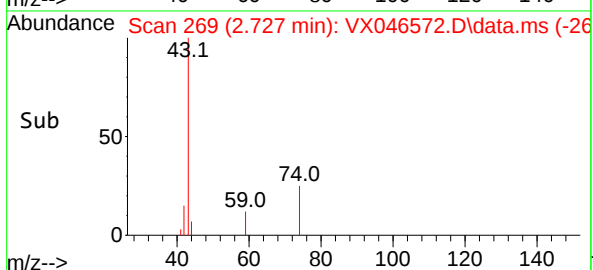
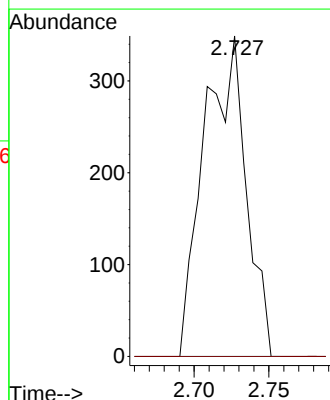
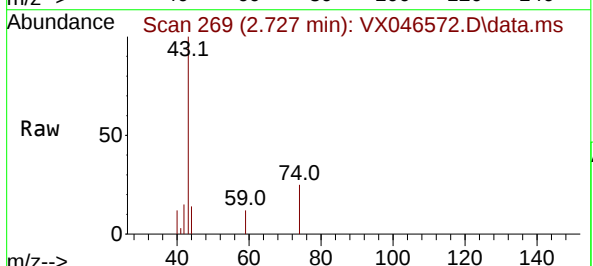
Instrument :
MSVOA_X
ClientSampleId :
TP-2

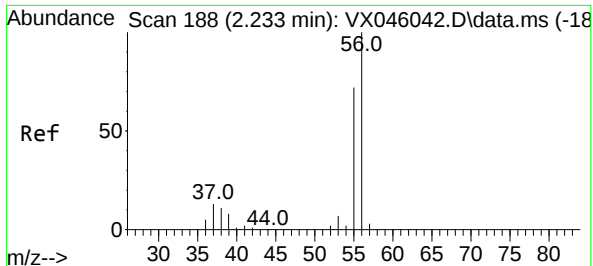
Tgt Ion: 74 Resp: 24852
Ion Ratio Lower Upper
74 100
45 100.0 54.9 164.8



#11
Tert butyl alcohol
Concen: 3.095 ug/l
RT: 2.727 min Scan# 269
Delta R.T. -0.244 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 30.414 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.001 min

Lab File: VX046572.D

Acq: 09 Jun 2025 12:37

Instrument :

MSVOA_X

ClientSampleId :

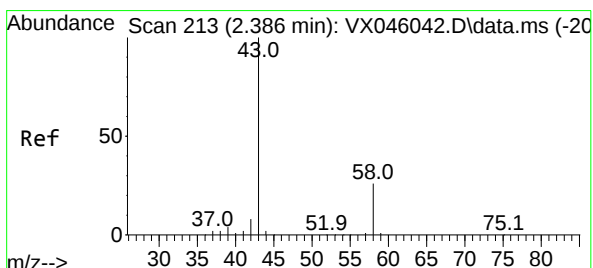
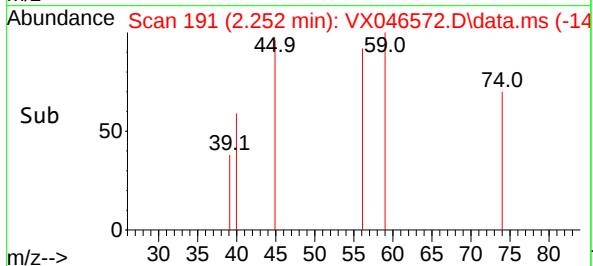
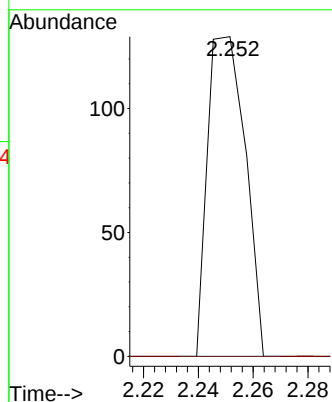
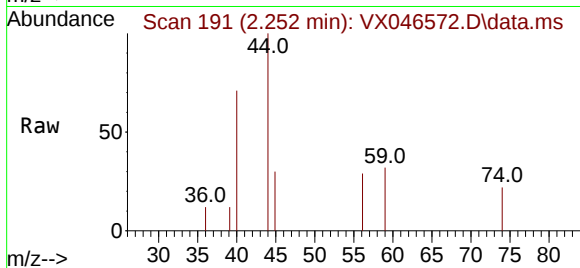
TP-2

Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 25.484 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX046572.D

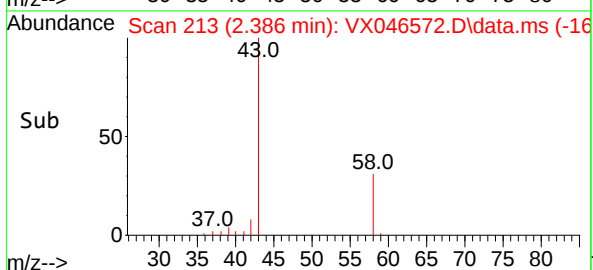
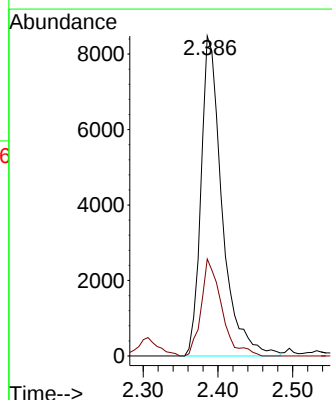
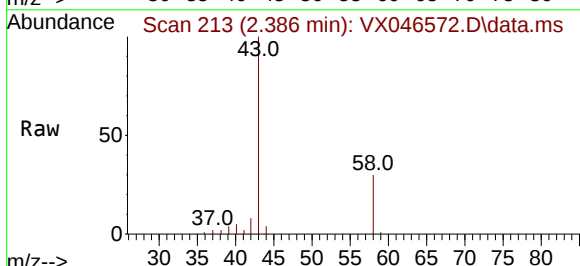
Acq: 09 Jun 2025 12:37

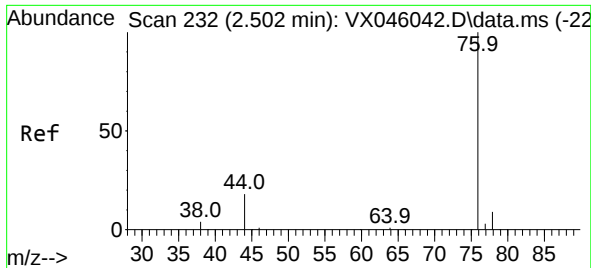
Tgt Ion: 43 Resp: 16622

Ion Ratio Lower Upper

43 100

58 30.3 21.2 31.8

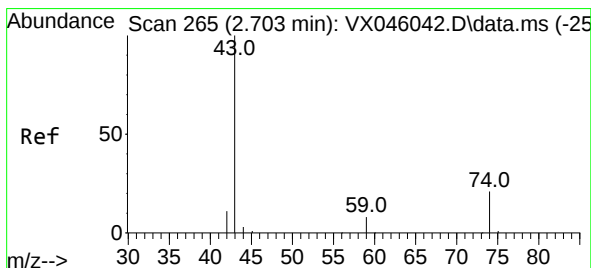
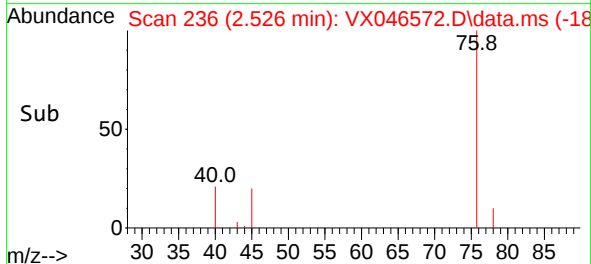
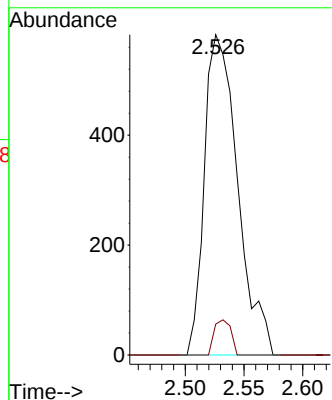
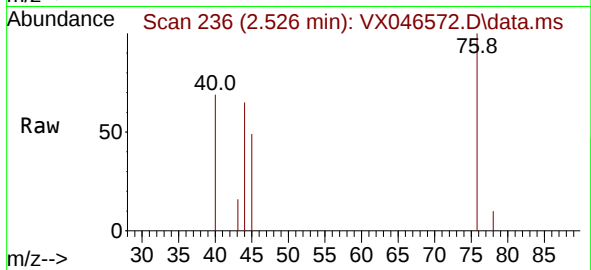




#17
Carbon Disulfide
Concen: 0.608 ug/l
RT: 2.526 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

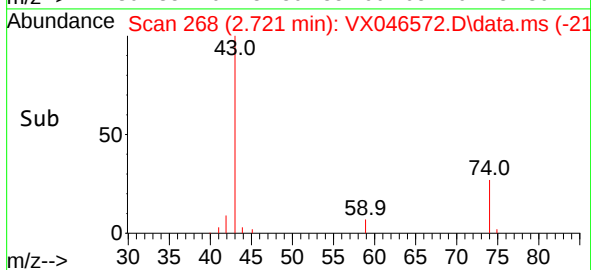
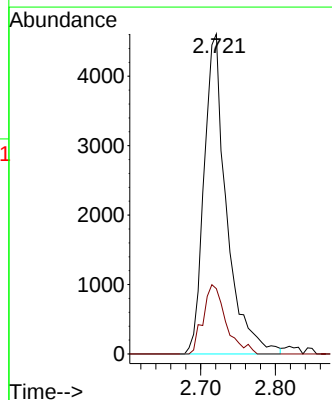
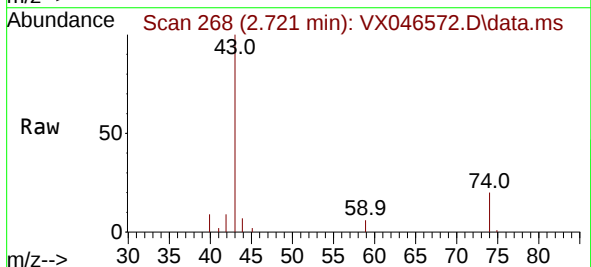
Instrument :
MSVOA_X
ClientSampleId :
TP-2

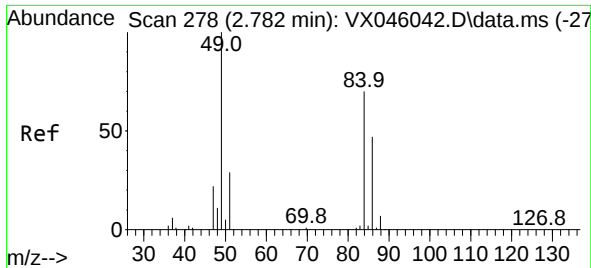
Tgt Ion: 76 Resp: 1148
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4



#18
Methyl Acetate
Concen: 4.063 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 43 Resp: 9626
Ion Ratio Lower Upper
43 100
74 22.0 16.7 25.1

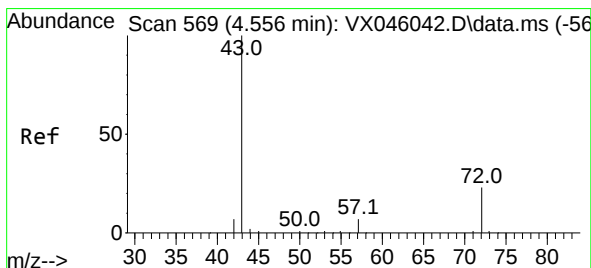
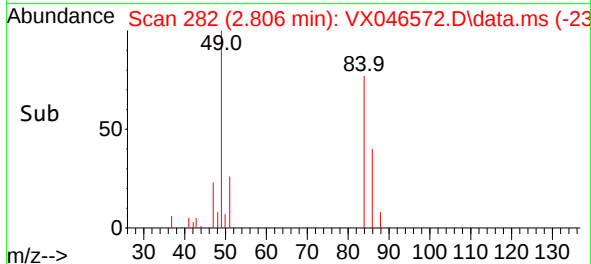
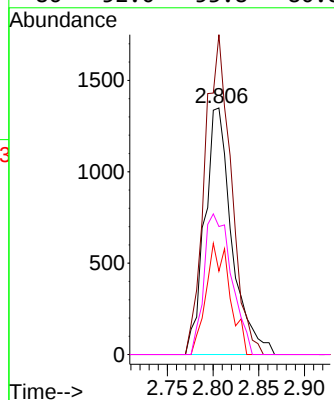
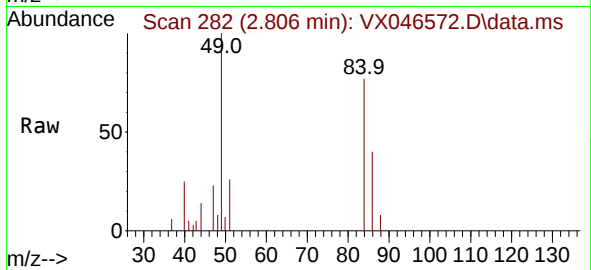




#20
Methylene Chloride
Concen: 1.745 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

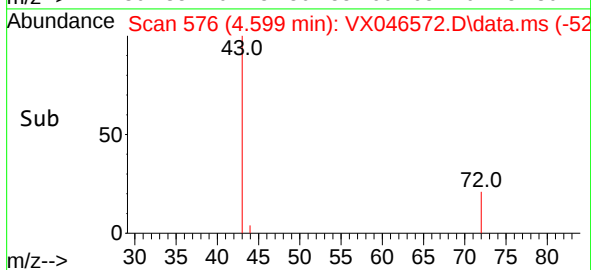
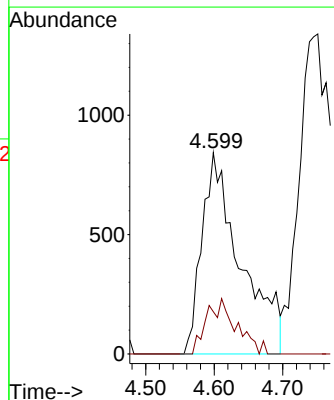
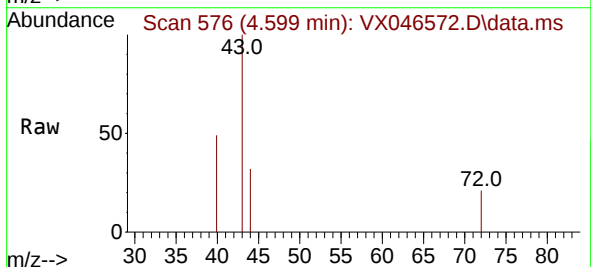
Instrument :
MSVOA_X
ClientSampleId :
TP-2

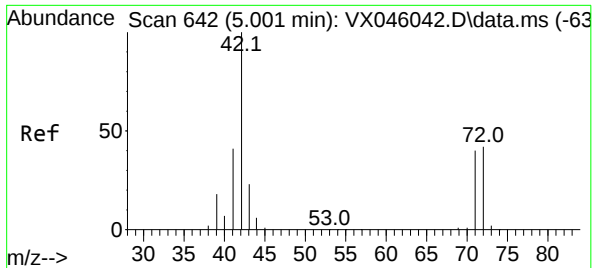
Tgt Ion:	84	Resp:	2784
Ion	Ratio	Lower	Upper
84	100		
49	129.7	113.9	170.9
51	33.8	33.5	50.3
86	52.0	53.8	80.8



#25
2-Butanone
Concen: 2.997 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.025 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion:	43	Resp:	3318
Ion	Ratio	Lower	Upper
43	100		
72	21.0	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 5.074 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX046572.D

Acq: 09 Jun 2025 12:37

Instrument :

MSVOA_X

ClientSampleId :

TP-2

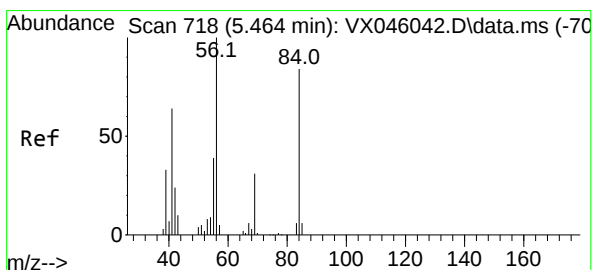
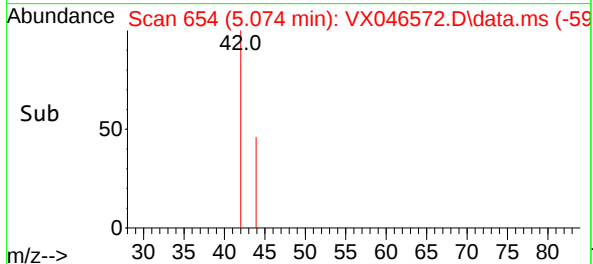
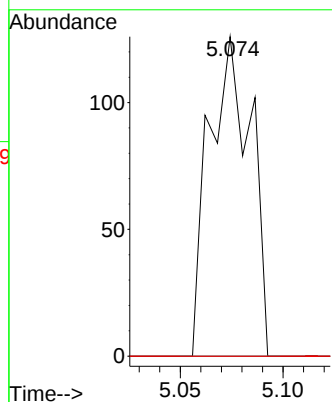
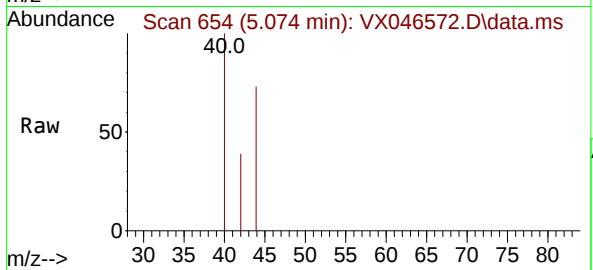
Tgt Ion: 42 Resp: 178

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.223 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.073 min

Lab File: VX046572.D

Acq: 09 Jun 2025 12:37

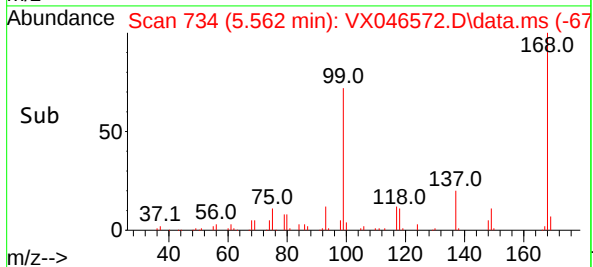
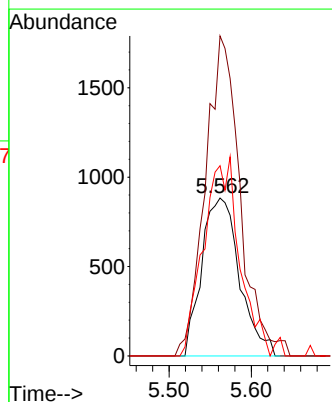
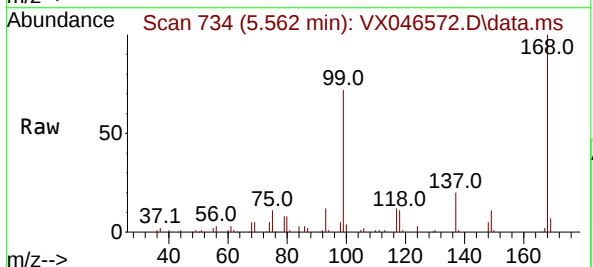
Tgt Ion: 56 Resp: 2827

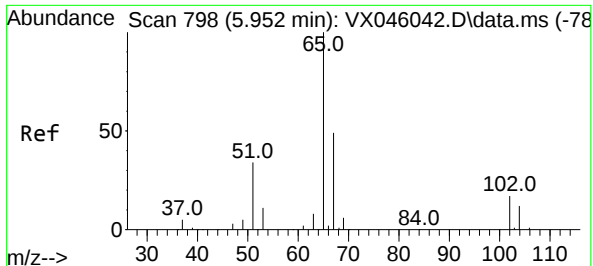
Ion Ratio Lower Upper

56 100

69 195.2 24.4 36.6#

84 120.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.370 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046572.D

Acq: 09 Jun 2025 12:37

Instrument :

MSVOA_X

ClientSampleId :

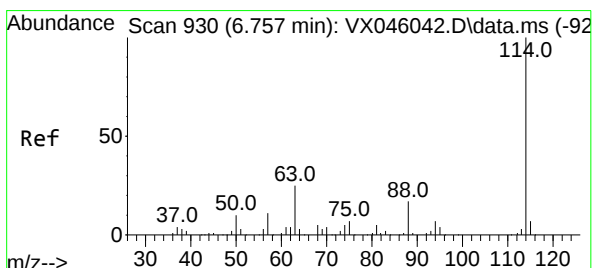
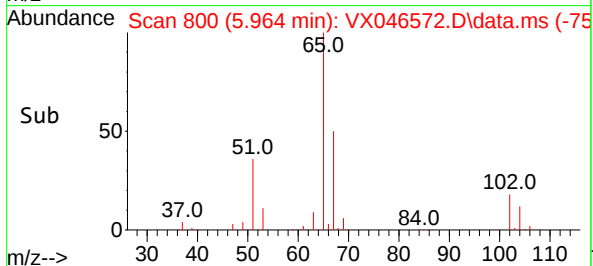
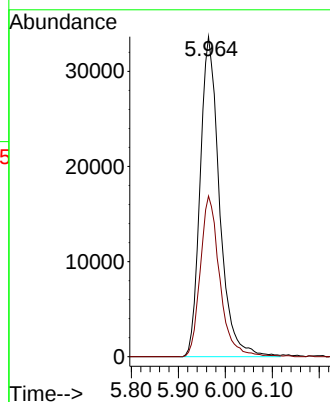
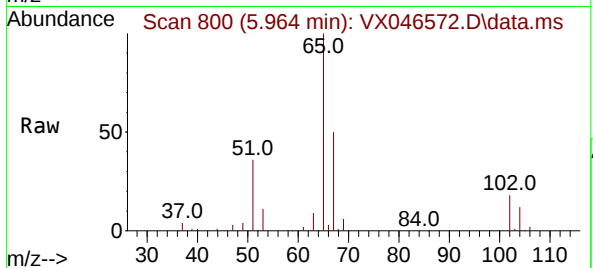
TP-2

Tgt Ion: 65 Resp: 96212

Ion Ratio Lower Upper

65 100

67 50.4 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: VX046572.D

Acq: 09 Jun 2025 12:37

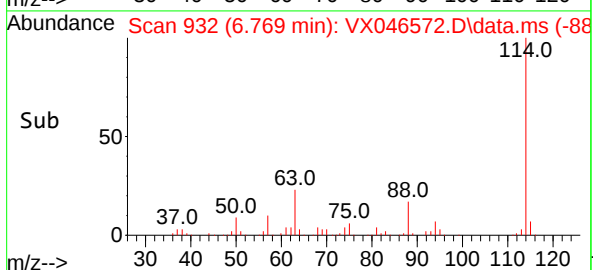
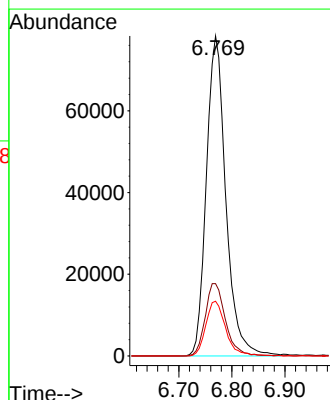
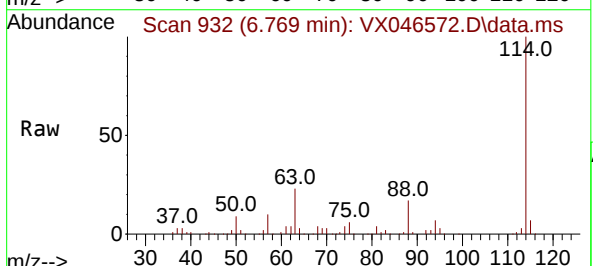
Tgt Ion:114 Resp: 199705

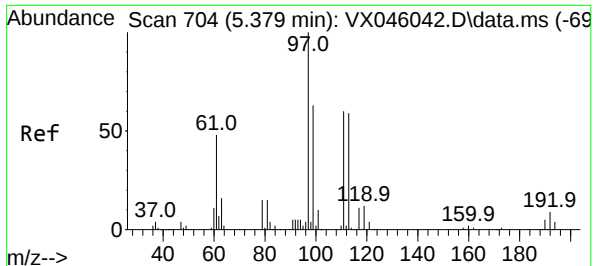
Ion Ratio Lower Upper

114 100

63 22.6 0.0 49.2

88 17.1 0.0 33.6

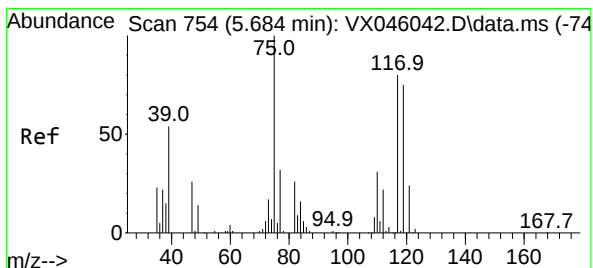
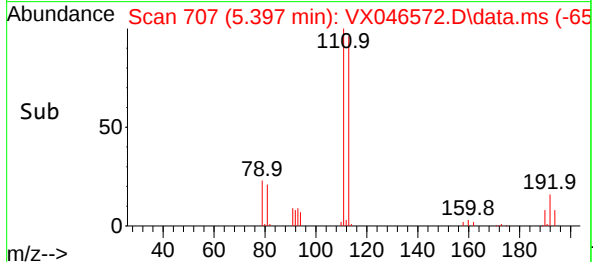
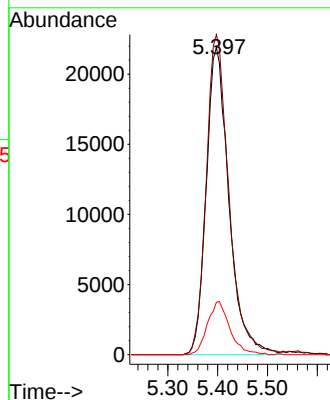
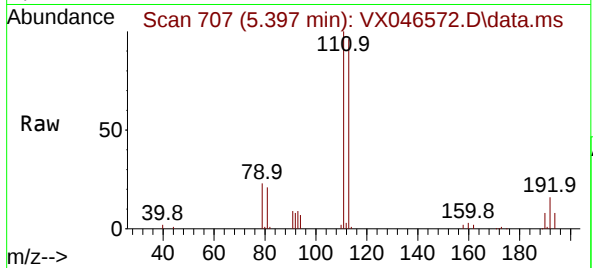




#35
Dibromofluoromethane
Concen: 47.283 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

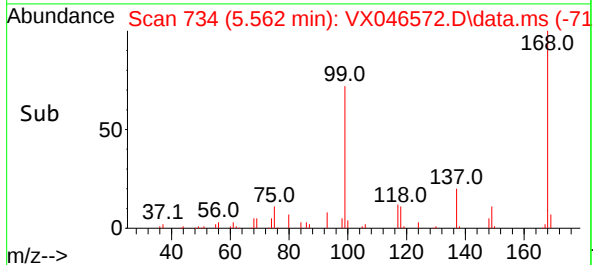
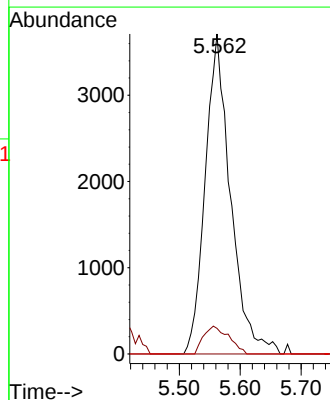
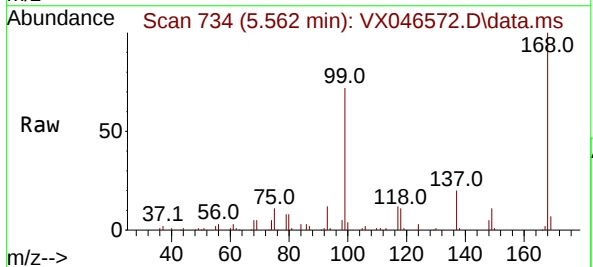
Instrument :
MSVOA_X
ClientSampleId :
TP-2

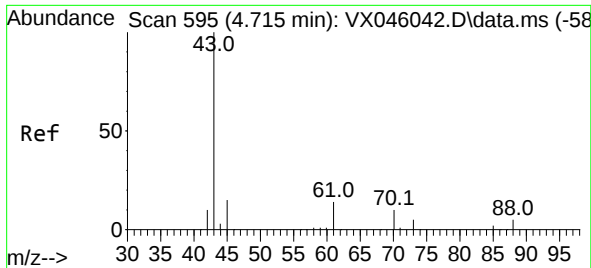
Tgt Ion:113 Resp: 69441
Ion Ratio Lower Upper
113 100
111 103.7 83.1 124.7
192 17.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.099 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 75 Resp: 10697
Ion Ratio Lower Upper
75 100
110 8.7 16.3 48.9#
77 0.0 24.3 36.5#

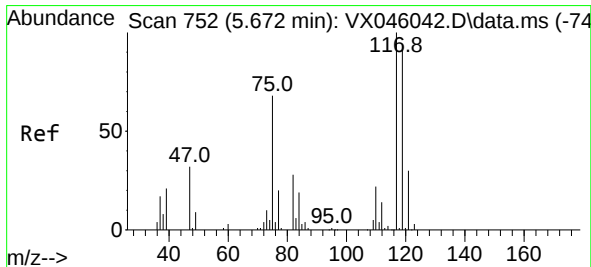
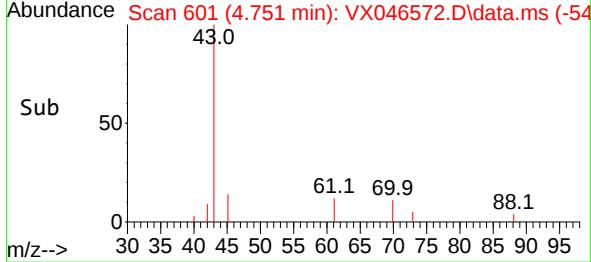
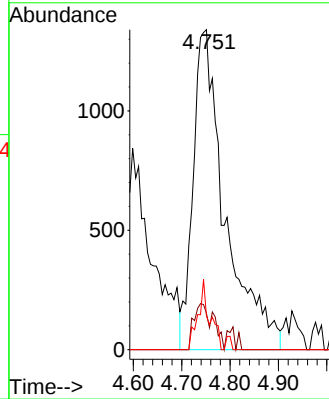
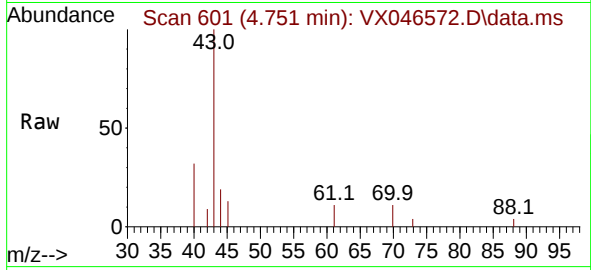




#37
Ethyl Acetate
Concen: 3.019 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

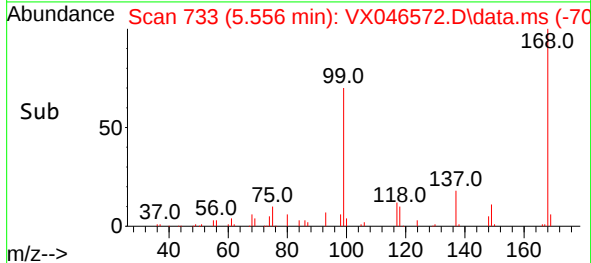
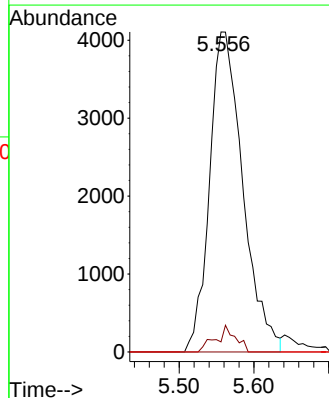
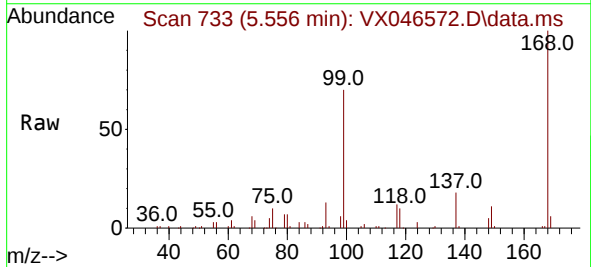
Instrument :
MSVOA_X
ClientSampleId :
TP-2

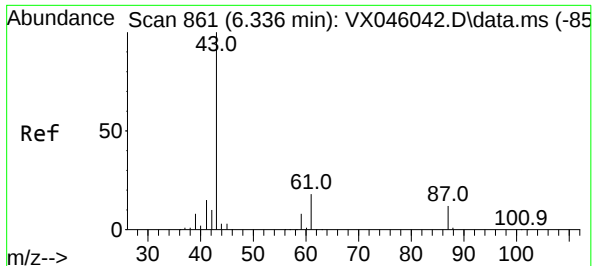
Tgt Ion: 43 Resp: 6181
Ion Ratio Lower Upper
43 100
61 6.2 10.3 15.5#
70 8.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 5.404 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 117 Resp: 12697
Ion Ratio Lower Upper
117 100
119 3.2 75.2 112.8#
121 0.0 24.2 36.4#

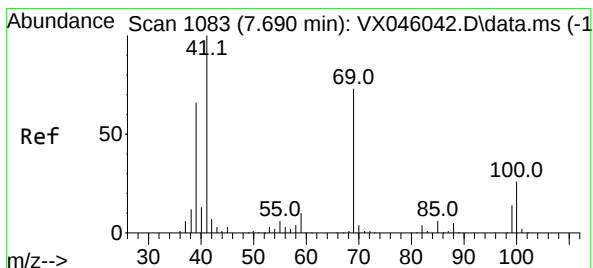
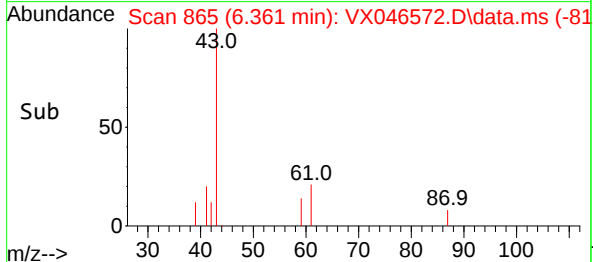
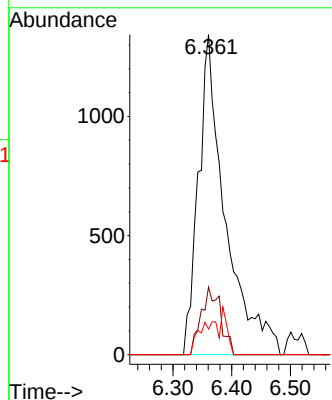
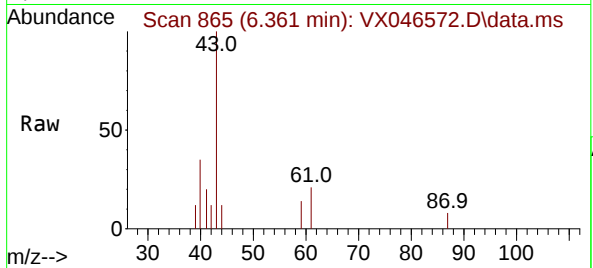




#43
Isopropyl Acetate
Concen: 1.196 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

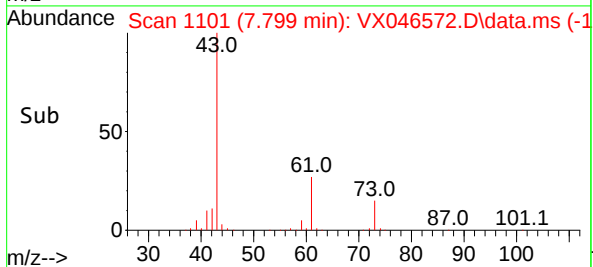
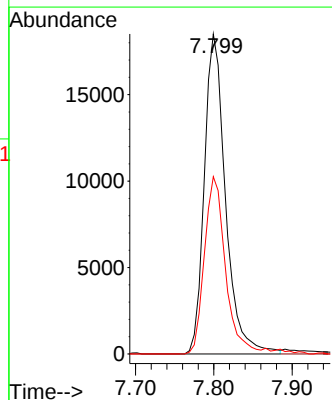
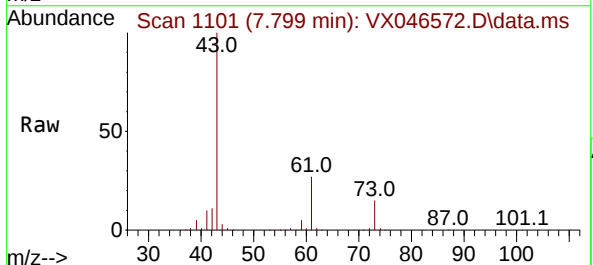
Instrument :
MSVOA_X
ClientSampleId :
TP-2

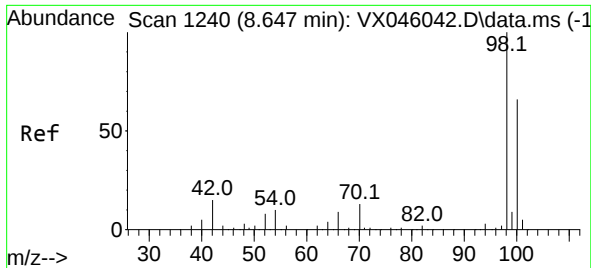
Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
61 15.3 14.3 21.5
87 7.4 9.5 14.3#



#48
Methyl methacrylate
Concen: 18.927 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 41 Resp: 34759
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.6 51.7 77.5

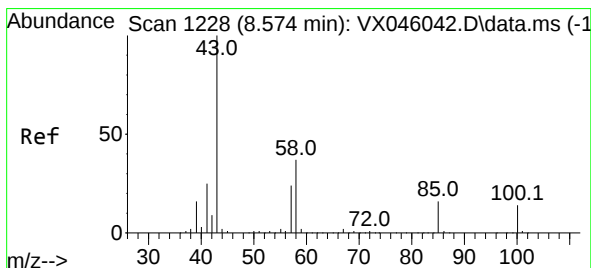
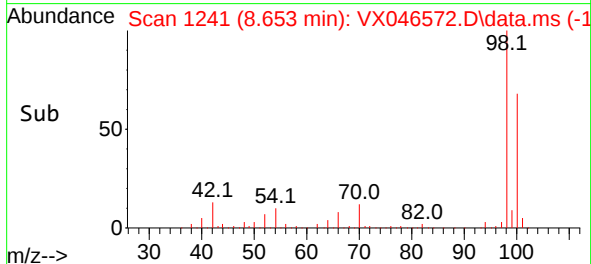
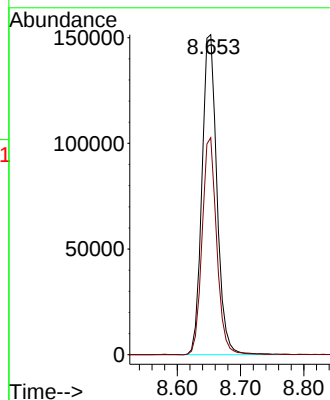
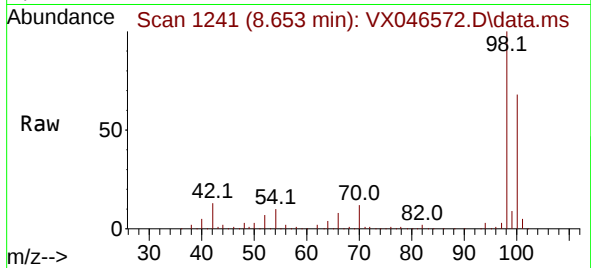




#50
Toluene-d8
Concen: 51.488 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

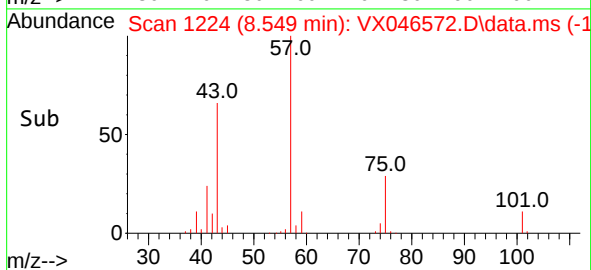
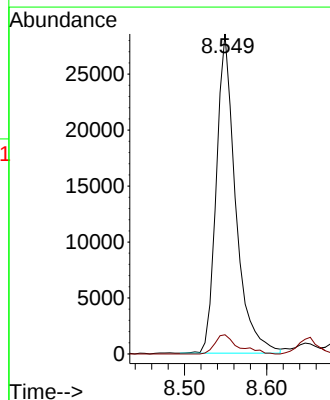
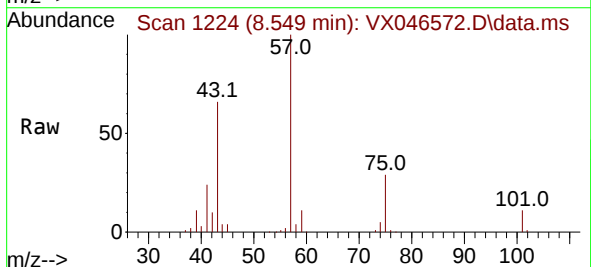
Instrument :
MSVOA_X
ClientSampleId :
TP-2

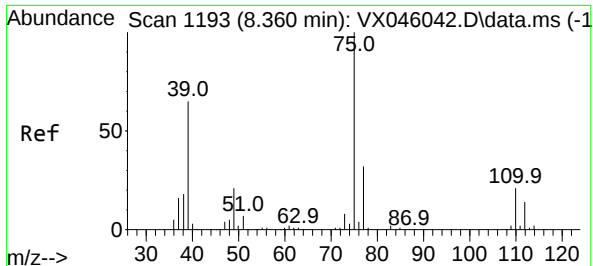
Tgt Ion: 98 Resp: 249299
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 20.495 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 43 Resp: 46487
Ion Ratio Lower Upper
43 100
58 7.2 28.9 43.3#

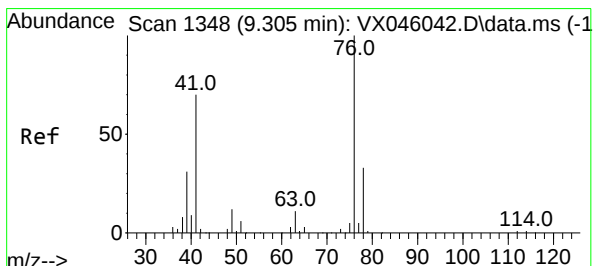
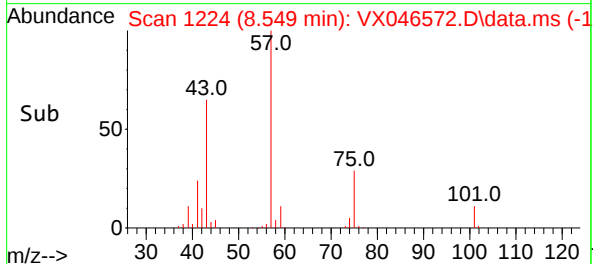
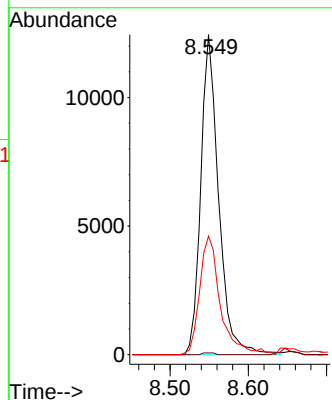
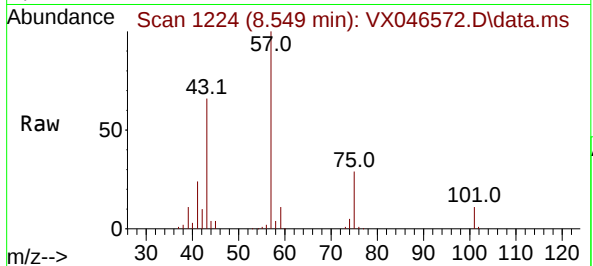




#54
cis-1,3-Dichloropropene
Concen: 8.375 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.177 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

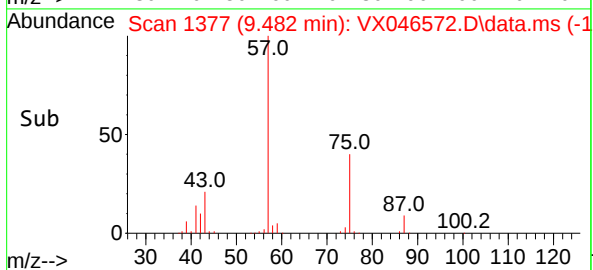
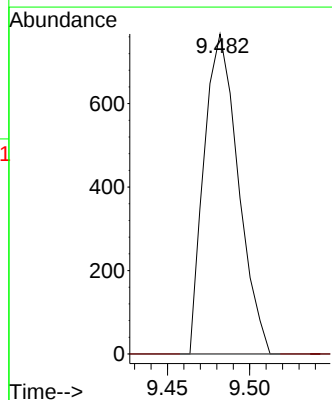
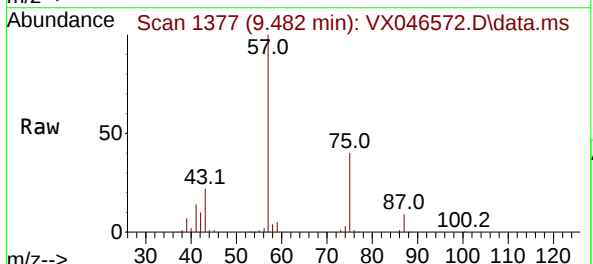
Instrument :
MSVOA_X
ClientSampleId :
TP-2

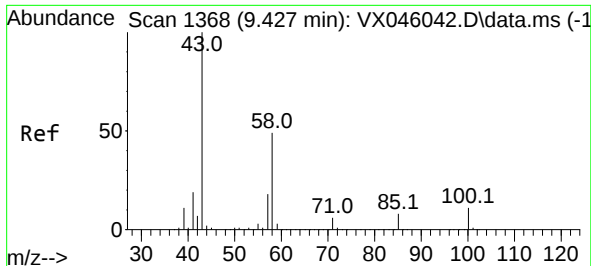
Tgt Ion: 75 Resp: 19686
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.0#
39 37.0 52.2 78.4#



#57
1,3-Dichloropropane
Concen: 0.430 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 76 Resp: 1106
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

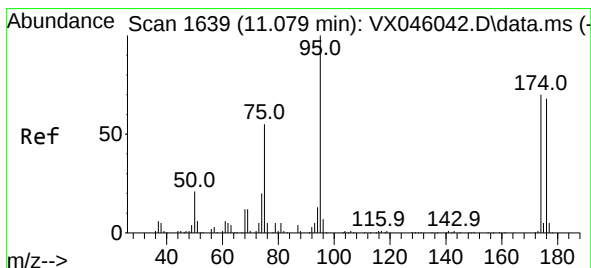
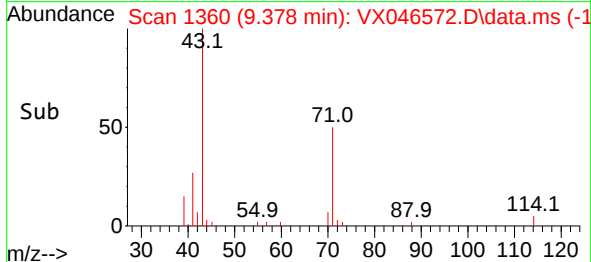
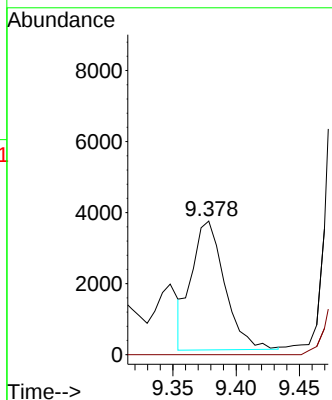
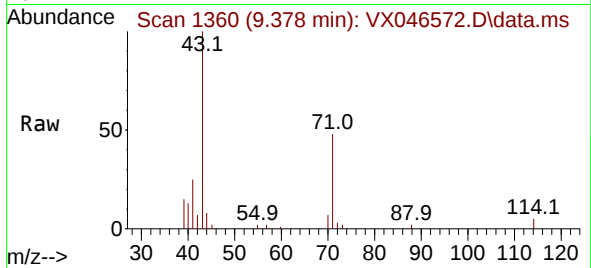




#59
2-Hexanone
Concen: 4.044 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

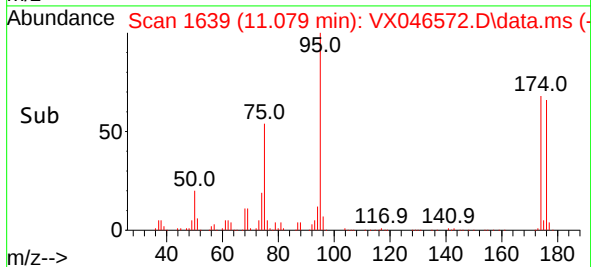
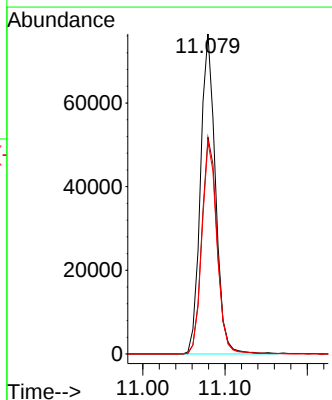
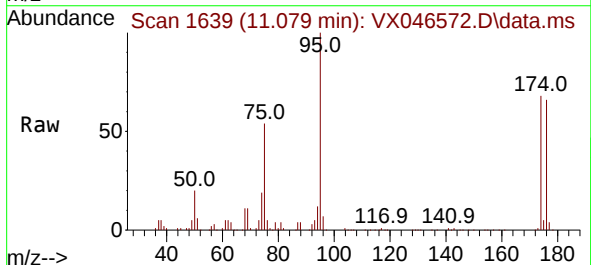
Instrument :
MSVOA_X
ClientSampleId :
TP-2

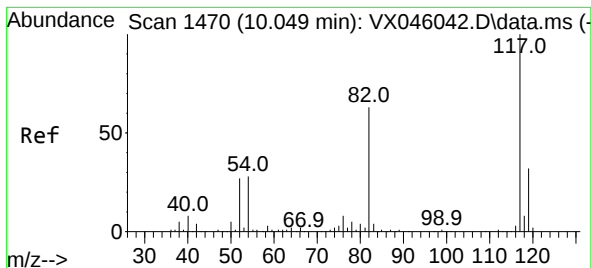
Tgt Ion: 43 Resp: 6579
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 48.425 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 95 Resp: 97010
Ion Ratio Lower Upper
95 100
174 69.3 0.0 135.8
176 66.8 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: VX046572.D

Acq: 09 Jun 2025 12:37

Instrument :

MSVOA_X

ClientSampleId :

TP-2

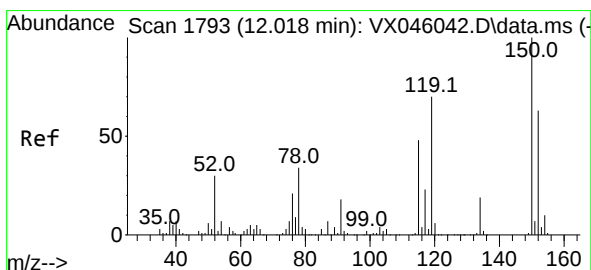
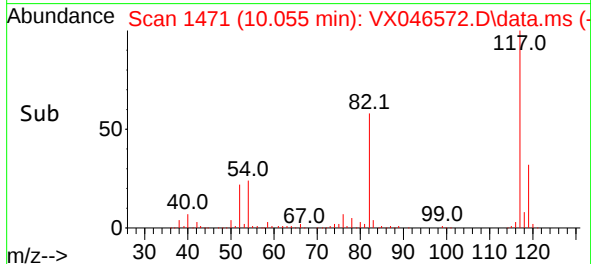
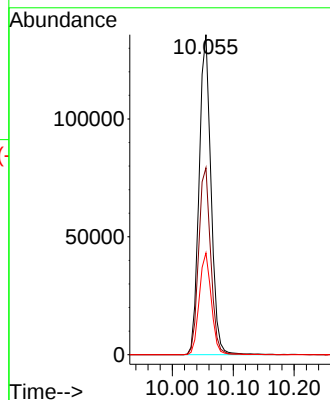
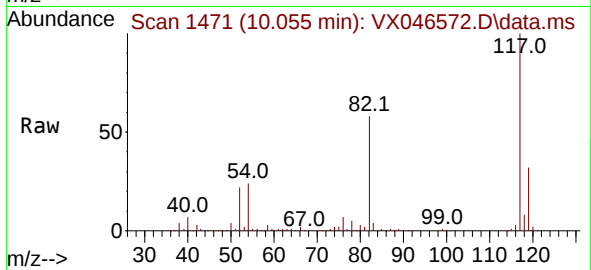
Tgt Ion:117 Resp: 183737

Ion Ratio Lower Upper

117 100

82 58.4 50.6 76.0

119 31.8 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: VX046572.D

Acq: 09 Jun 2025 12:37

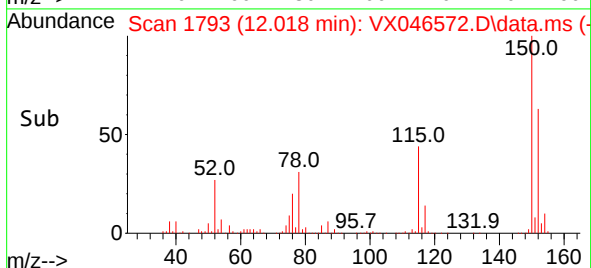
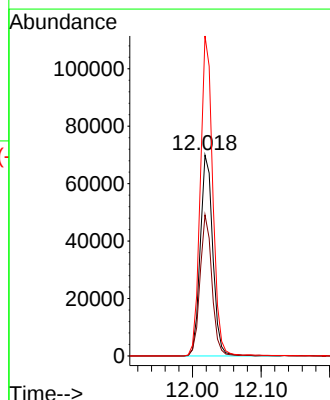
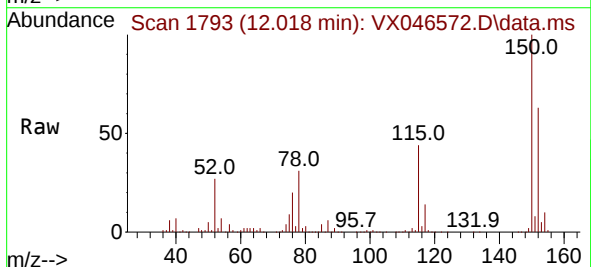
Tgt Ion:152 Resp: 89206

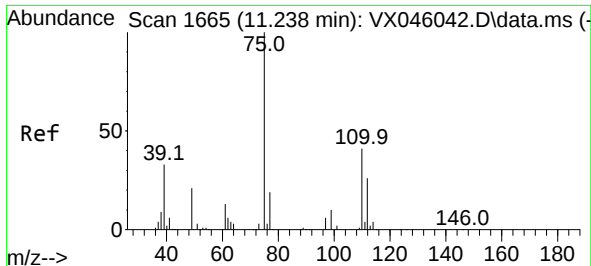
Ion Ratio Lower Upper

152 100

115 66.7 46.9 140.7

150 156.7 0.0 351.0

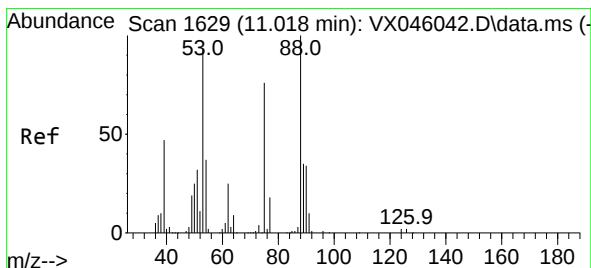
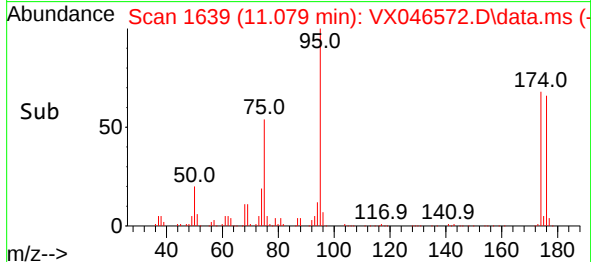
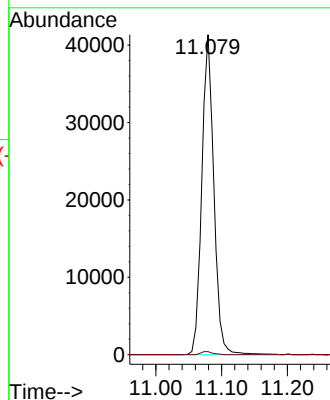
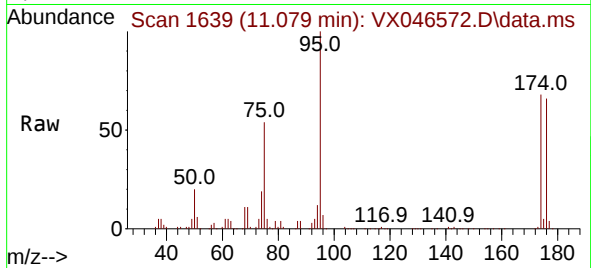




#76
1,2,3-Trichloropropane
Concen: 27.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 52454
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046572.D
Acq: 09 Jun 2025 12:37

Tgt Ion: 75 Resp: 52454
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

