

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046699.D
 Acq On : 13 Jun 2025 18:51
 Operator : JC/MD
 Sample : Q2310-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7

Quant Time: Jun 13 23:35:16 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)

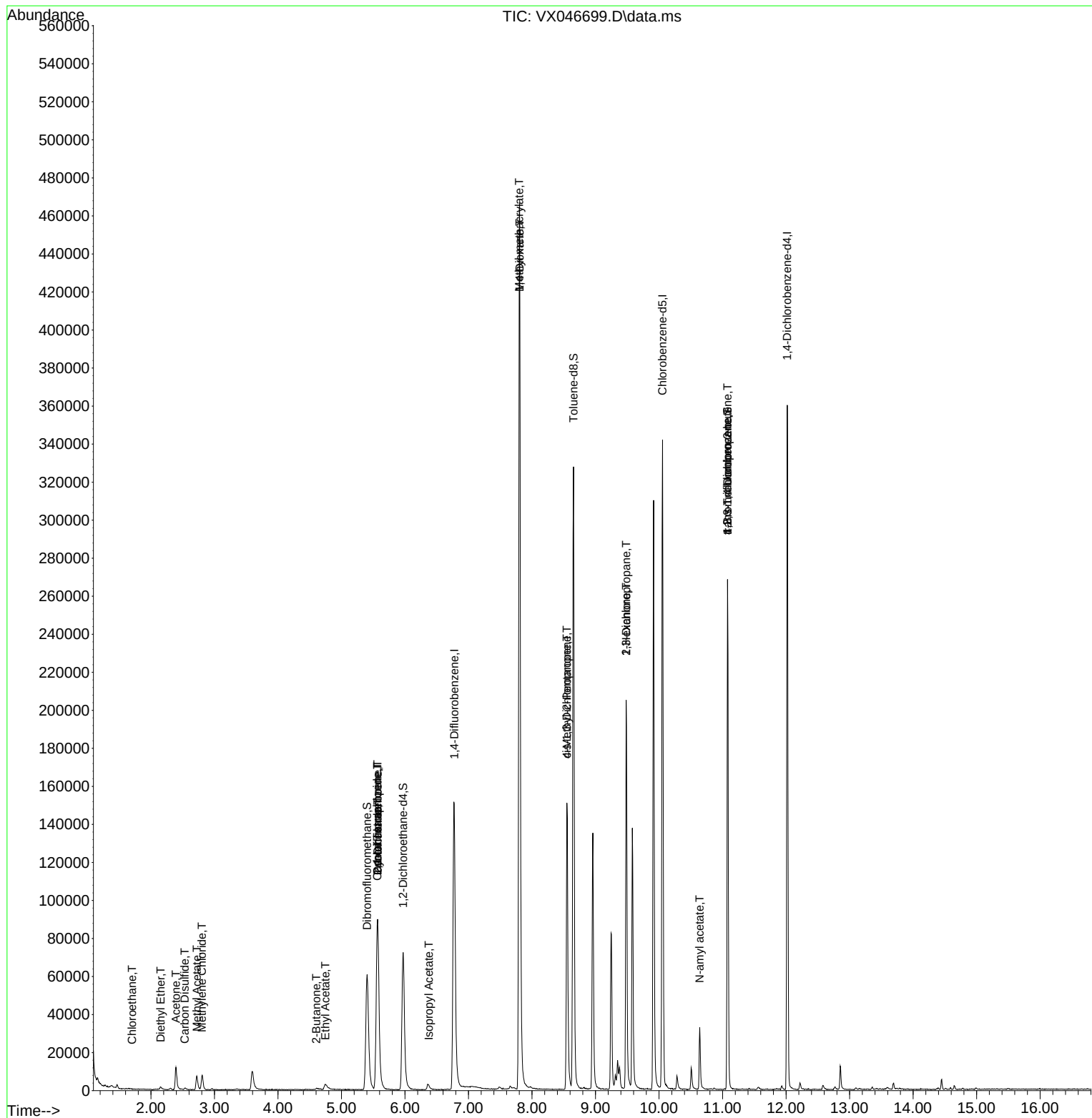
Internal Standards						
1) Pentafluorobenzene	5.568	168	87844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	161760	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	77798	49.780	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.560%
35) Dibromofluoromethane	5.403	113	57426	48.274	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.540%
50) Toluene-d8	8.653	98	192997	49.210	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.420%
62) 4-Bromofluorobenzene	11.079	95	73327	45.189	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.380%
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	146	0.203	ug/l #	44
8) Diethyl Ether	2.154	74	456	0.705	ug/l #	46
16) Acetone	2.392	43	15196	28.900	ug/l #	88
17) Carbon Disulfide	2.532	76	654	0.497	ug/l #	76
18) Methyl Acetate	2.721	43	10118	5.435	ug/l	92
20) Methylene Chloride	2.800	84	3860	3.079	ug/l #	83
25) 2-Butanone	4.605	43	819	0.941	ug/l	96
31) Cyclohexane	5.568	56	2133	1.174	ug/l #	5
36) 1,1-Dichloropropene	5.568	75	8128	4.783	ug/l #	51
37) Ethyl Acetate	4.745	43	5789	3.491	ug/l	96
38) Carbon Tetrachloride	5.562	117	10039	5.275	ug/l #	16
43) Isopropyl Acetate	6.373	43	4513	1.561	ug/l	97
48) Methyl methacrylate	7.799	41	45525	30.604	ug/l #	47
49) 1,4-Dioxane	7.805	88	21	1.056	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56812	30.922	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	24755	13.002	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	1796	0.861	ug/l #	42
59) 2-Hexanone	9.482	43	26497	20.109	ug/l #	57
74) N-amyl acetate	10.640	43	9525	3.944	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	38902	26.324	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38902	75.933	ug/l #	1

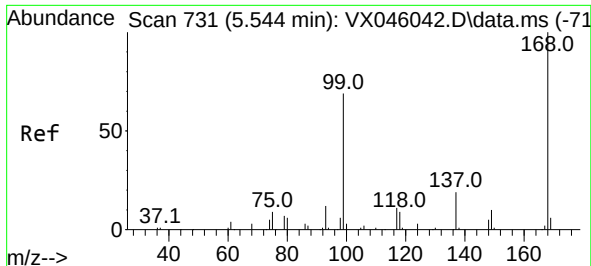
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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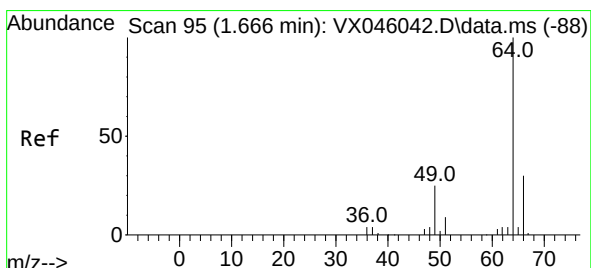
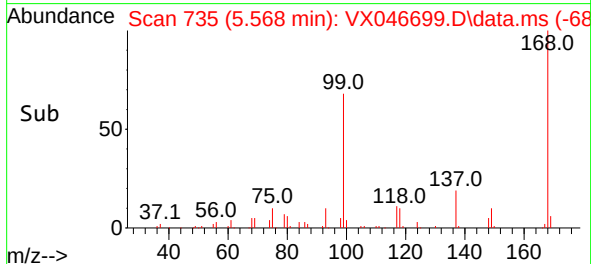
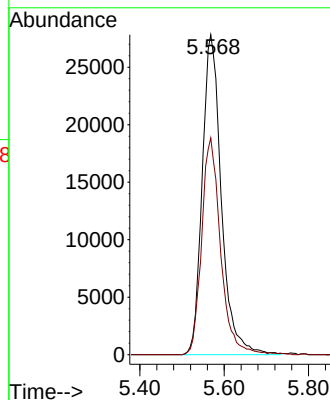
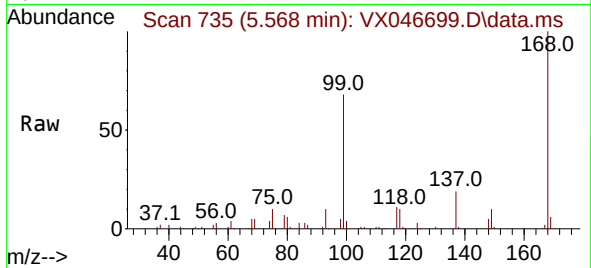




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

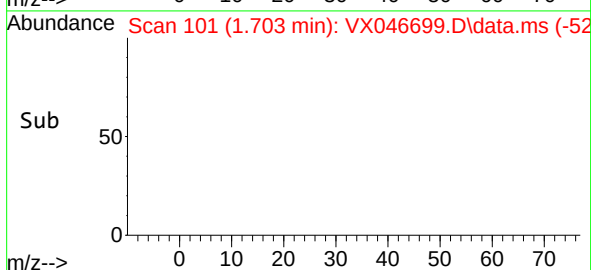
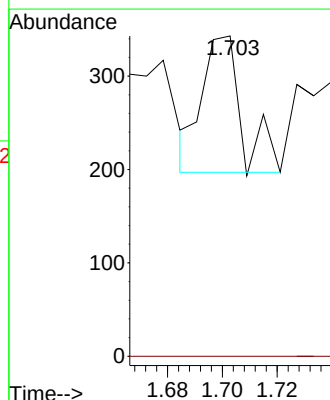
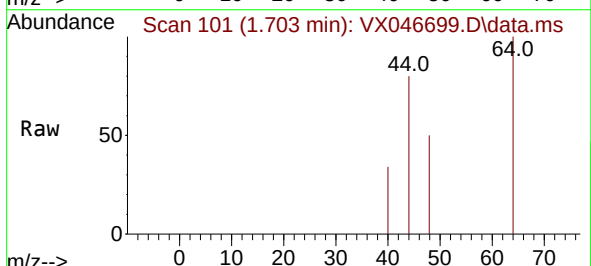
Instrument :
MSVOA_X
ClientSampleId :
TP-7

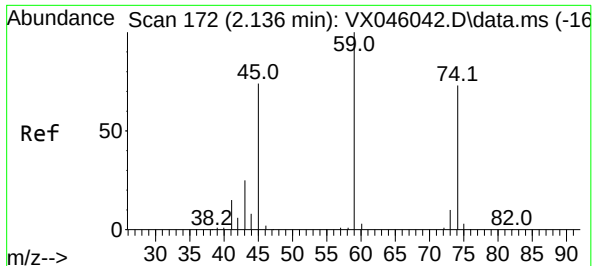
Tgt Ion:168 Resp: 87844
Ion Ratio Lower Upper
168 100
99 67.7 54.9 82.3



#6
Chloroethane
Concen: 0.203 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

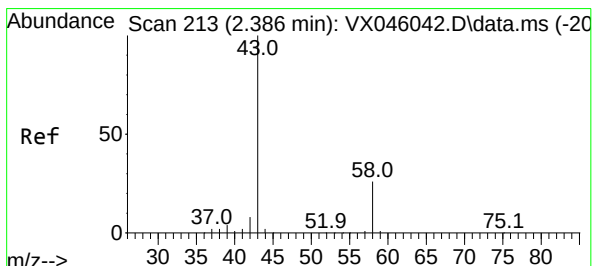
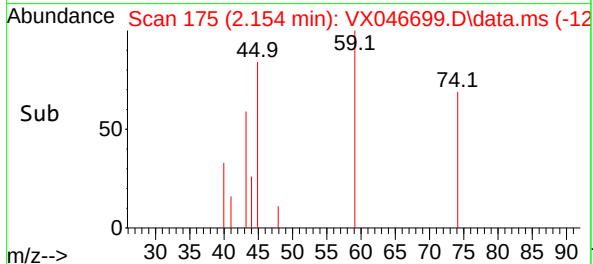
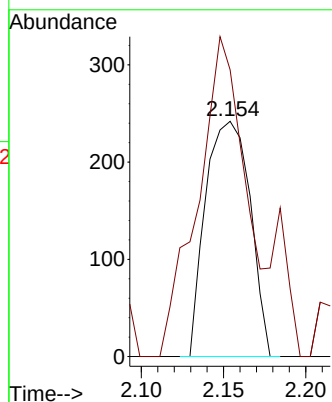
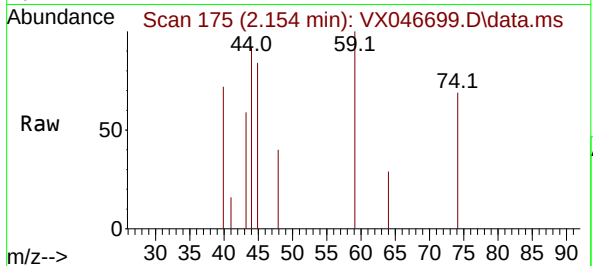




#8
Diethyl Ether
Concen: 0.705 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

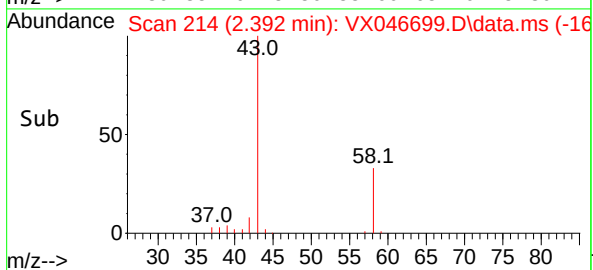
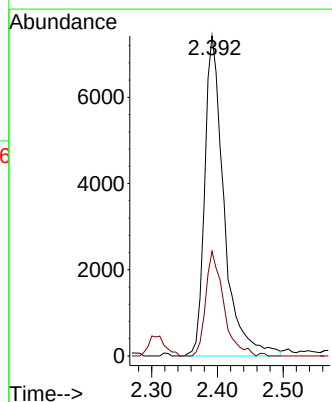
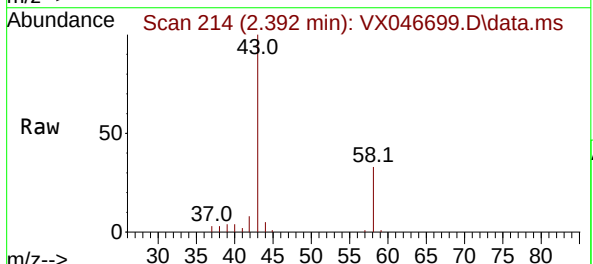
Instrument :
MSVOA_X
ClientSampleId :
TP-7

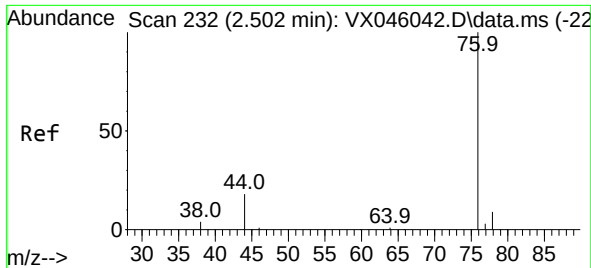
Tgt Ion: 74 Resp: 456
Ion Ratio Lower Upper
74 100
45 167.1 54.9 164.8#



#16
Acetone
Concen: 28.900 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 43 Resp: 15196
Ion Ratio Lower Upper
43 100
58 32.7 21.2 31.8#

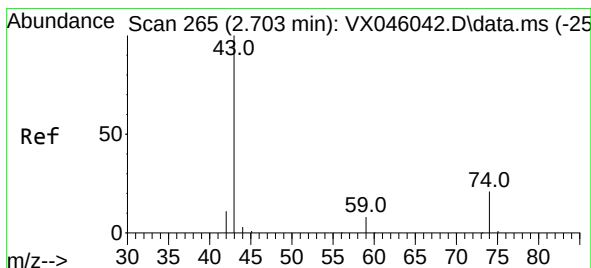
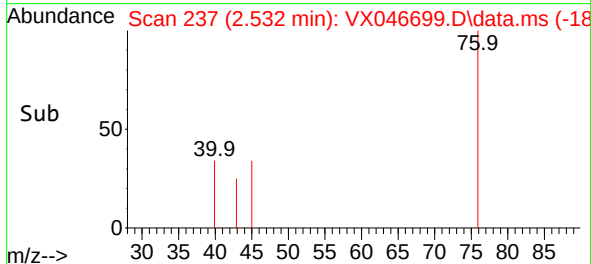
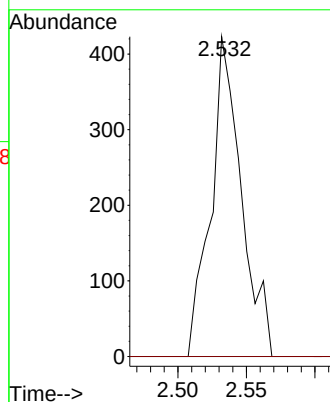
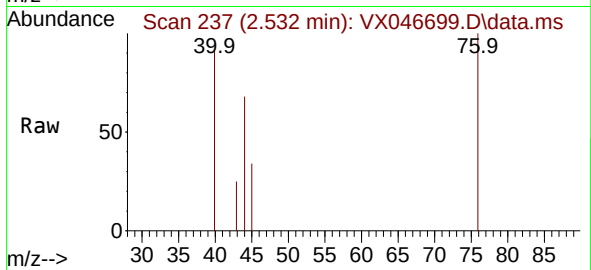




#17
Carbon Disulfide
Concen: 0.497 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

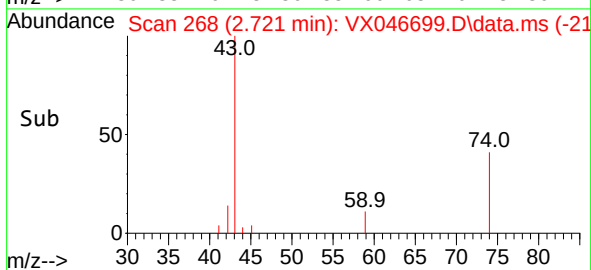
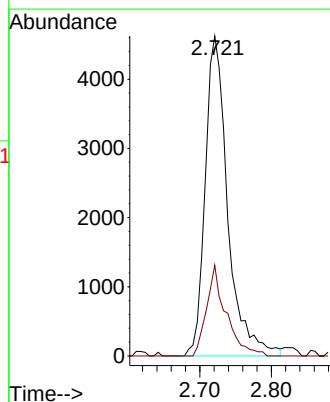
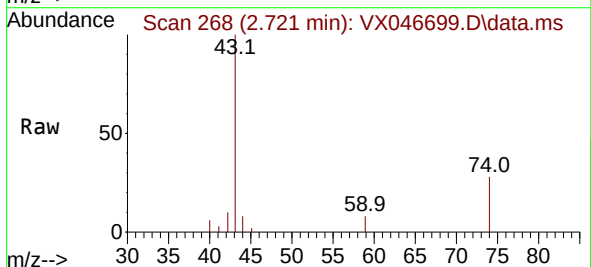
Instrument :
MSVOA_X
ClientSampleId :
TP-7

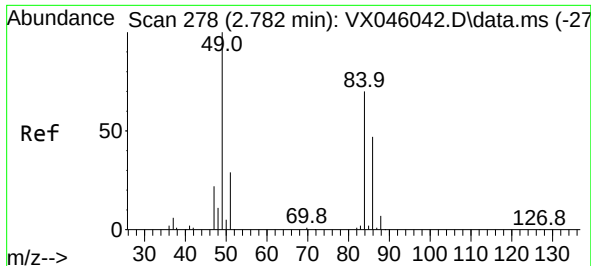
Tgt Ion: 76 Resp: 654
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 5.435 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 43 Resp: 10118
Ion Ratio Lower Upper
43 100
74 24.6 16.7 25.1





#20

Methylene Chloride

Concen: 3.079 ug/l

RT: 2.800 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX046699.D

Acq: 13 Jun 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

TP-7

Tgt Ion: 84 Resp: 3860

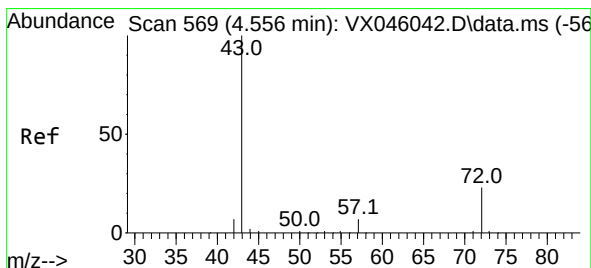
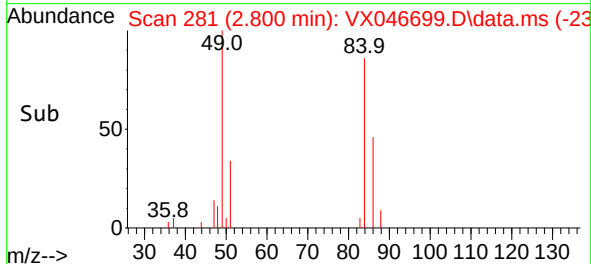
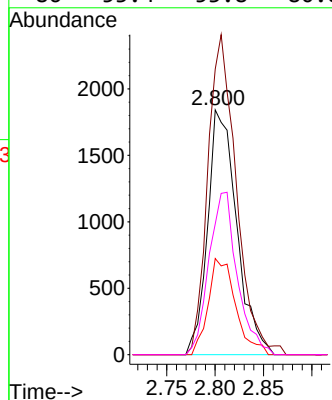
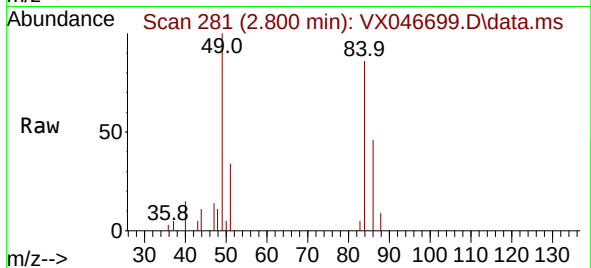
Ion Ratio Lower Upper

84 100

49 116.7 113.9 170.9

51 39.3 33.5 50.3

86 53.4 53.8 80.8#



#25

2-Butanone

Concen: 0.941 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.031 min

Lab File: VX046699.D

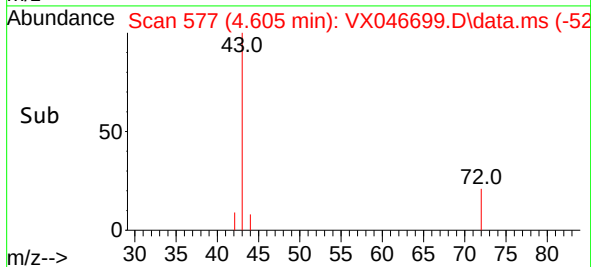
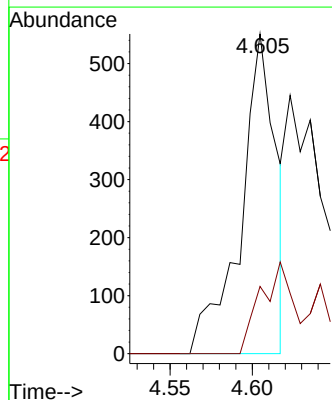
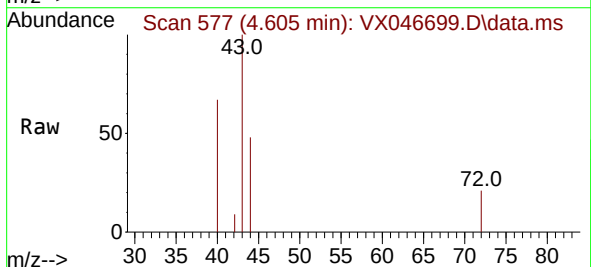
Acq: 13 Jun 2025 18:51

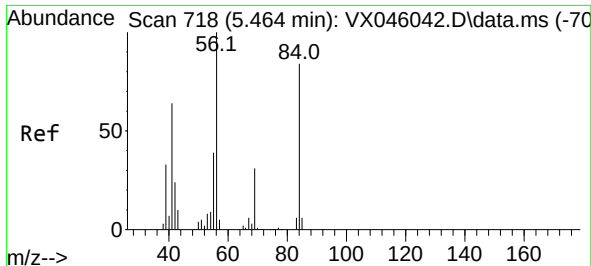
Tgt Ion: 43 Resp: 819

Ion Ratio Lower Upper

43 100

72 21.1 18.4 27.6

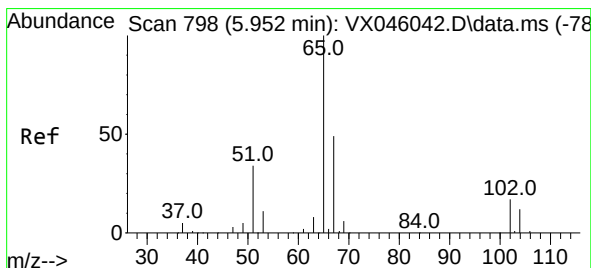
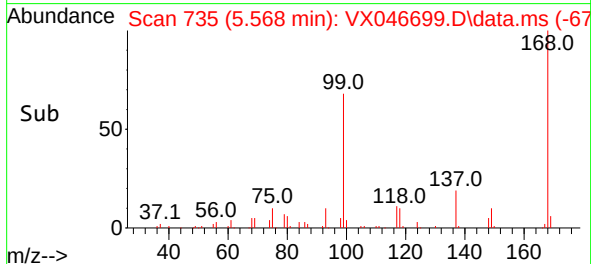
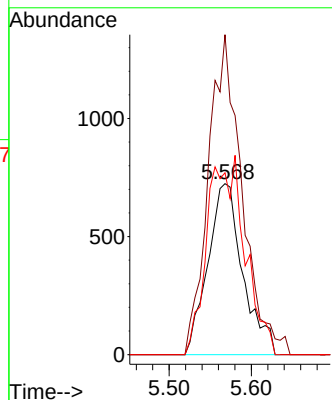
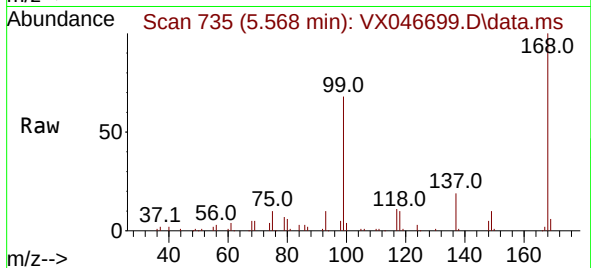




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

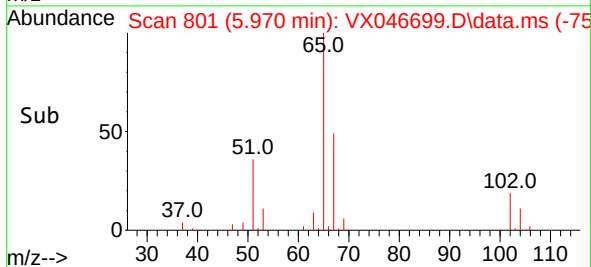
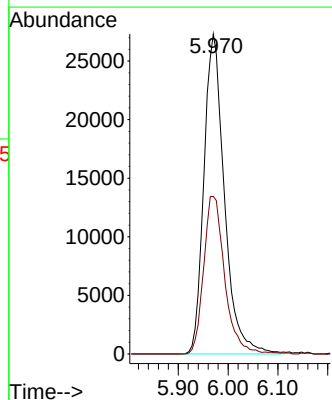
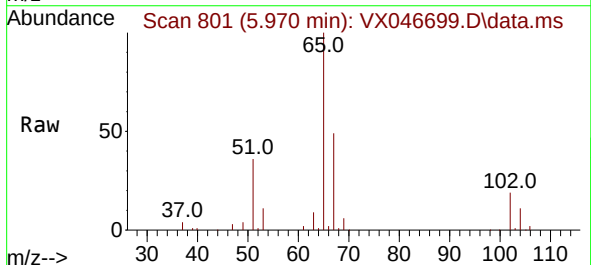
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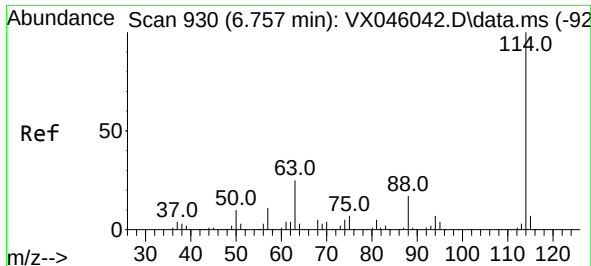
Tgt Ion: 56 Resp: 2133
Ion Ratio Lower Upper
56 100
69 187.2 24.4 36.6#
84 106.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.780 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 65 Resp: 77798
Ion Ratio Lower Upper
65 100
67 50.9 0.0 99.0

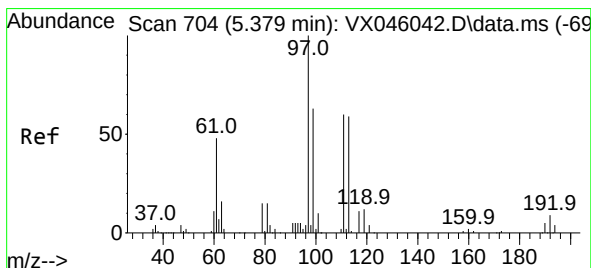
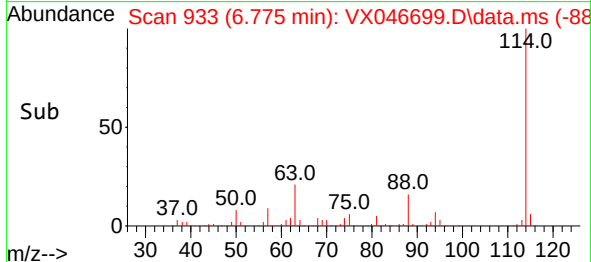
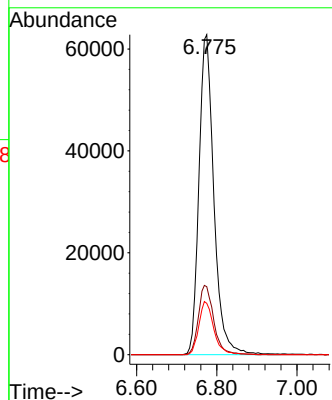
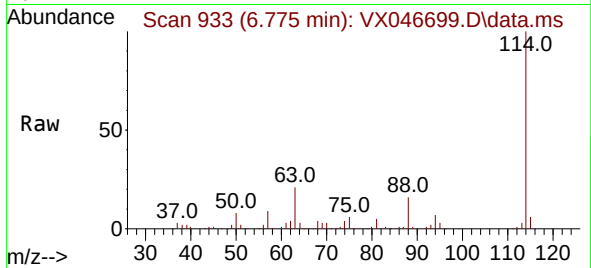




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

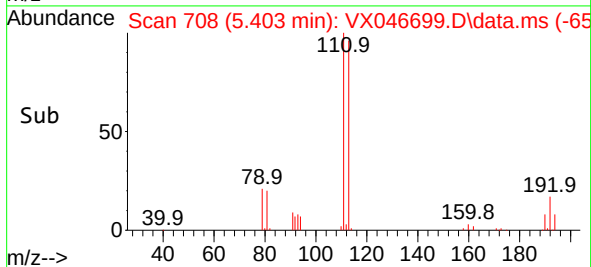
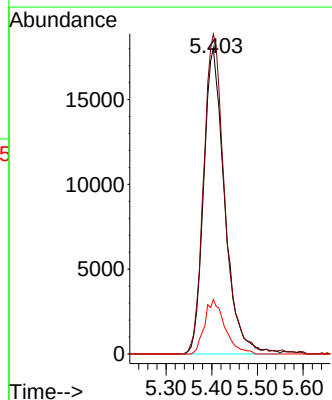
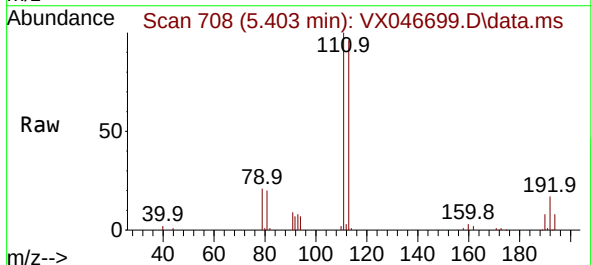
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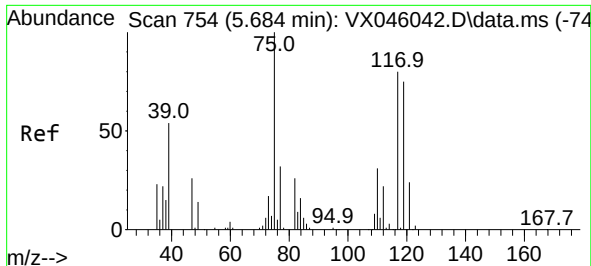
Tgt Ion:114 Resp: 161760
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.2
88 16.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.274 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion:113 Resp: 57426
Ion Ratio Lower Upper
113 100
111 104.9 83.1 124.7
192 17.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX046699.D

Acq: 13 Jun 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

TP-7

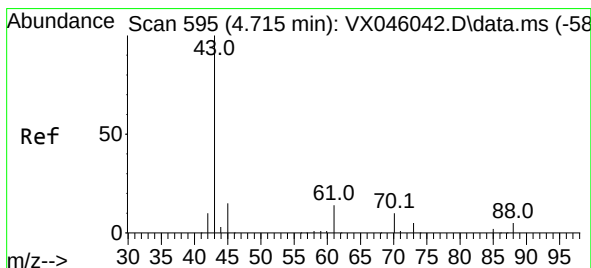
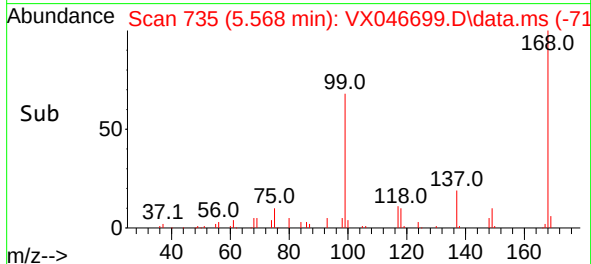
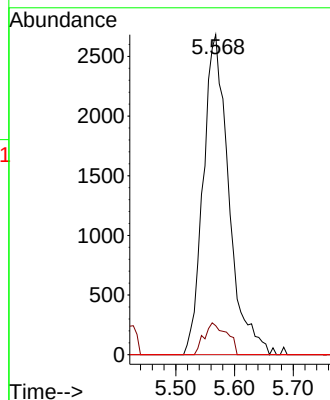
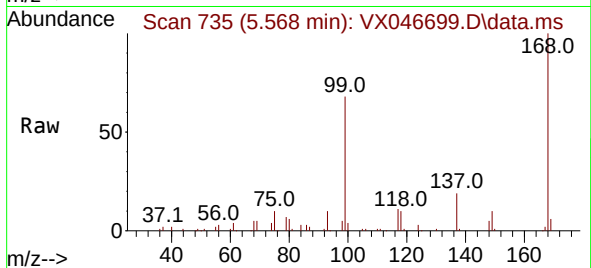
Tgt Ion: 75 Resp: 8128

Ion Ratio Lower Upper

75 100

110 8.8 16.3 48.9#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 3.491 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.012 min

Lab File: VX046699.D

Acq: 13 Jun 2025 18:51

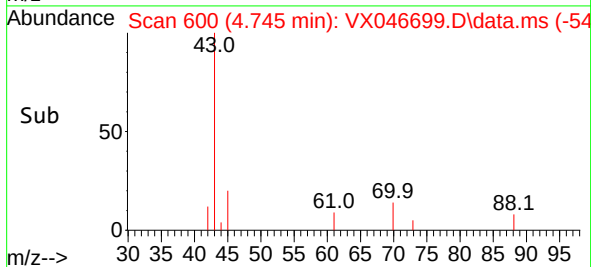
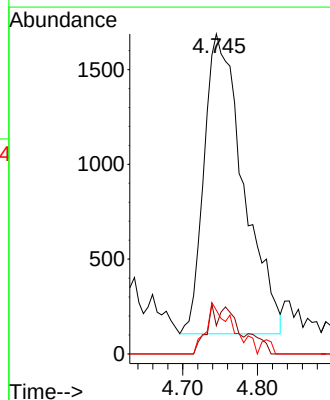
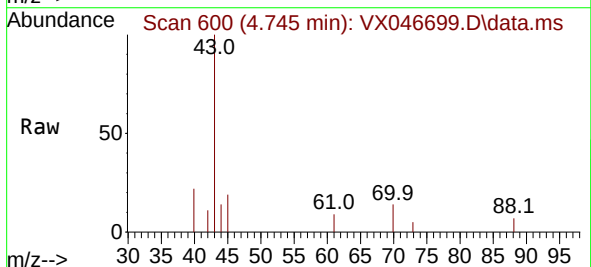
Tgt Ion: 43 Resp: 5789

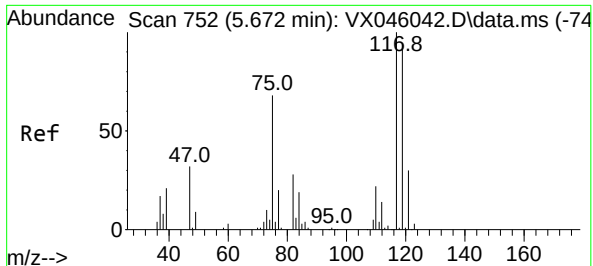
Ion Ratio Lower Upper

43 100

61 11.0 10.3 15.5

70 11.5 7.9 11.9

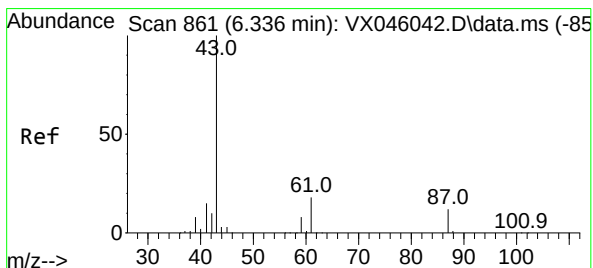
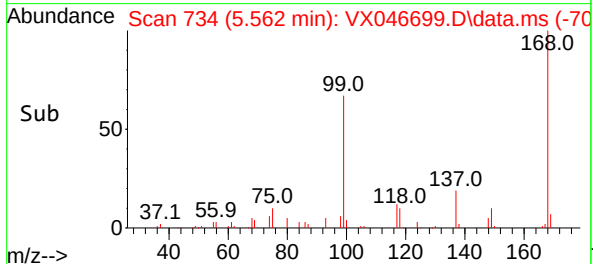
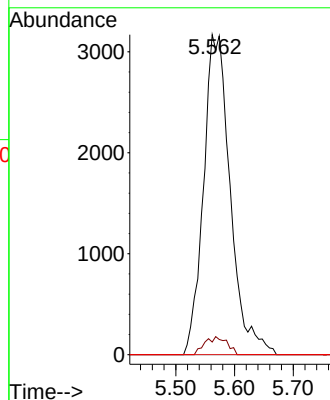
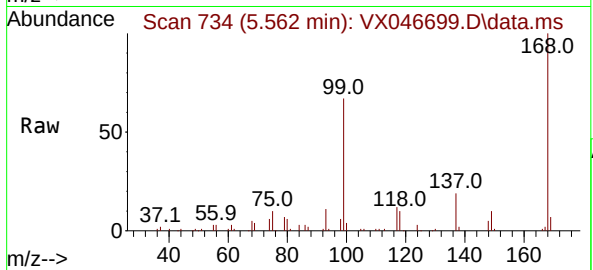




#38
Carbon Tetrachloride
Concen: 5.275 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

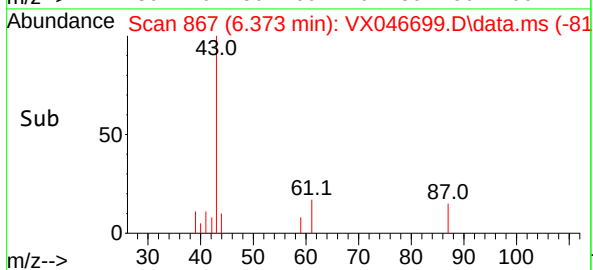
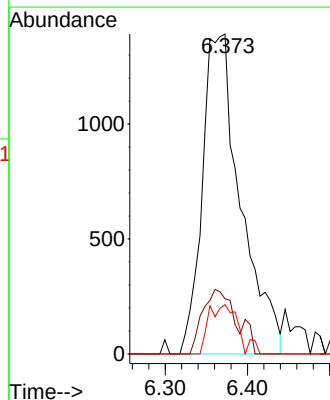
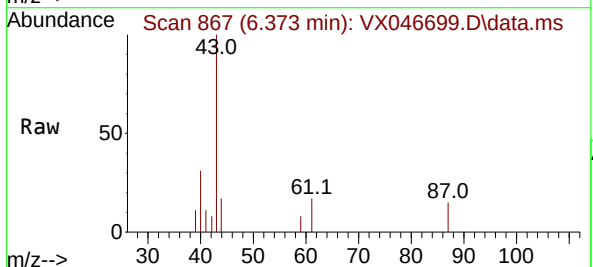
Instrument :
MSVOA_X
ClientSampleId :
TP-7

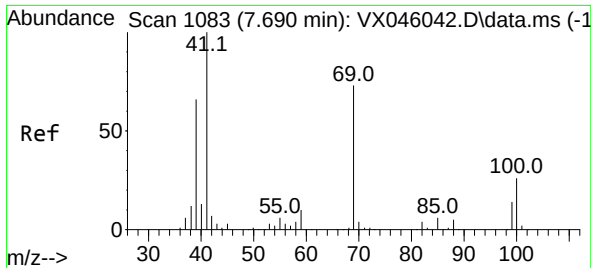
Tgt Ion:117 Resp: 10039
Ion Ratio Lower Upper
117 100
119 3.9 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.561 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.019 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 43 Resp: 4513
Ion Ratio Lower Upper
43 100
61 15.5 14.3 21.5
87 11.9 9.5 14.3

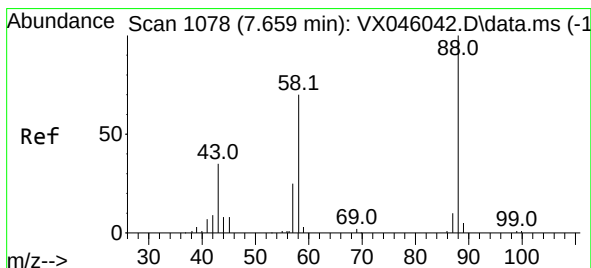
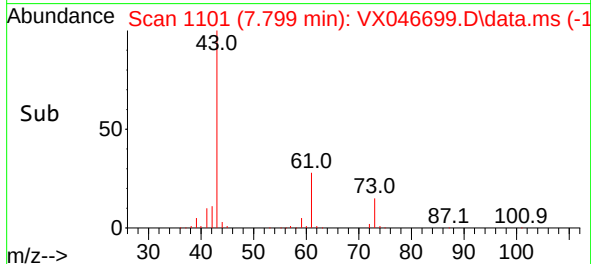
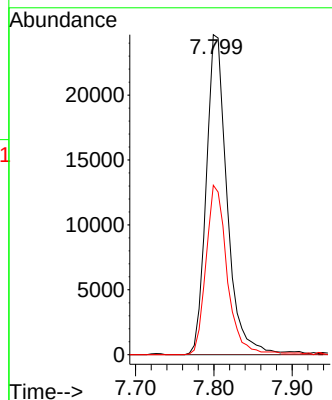
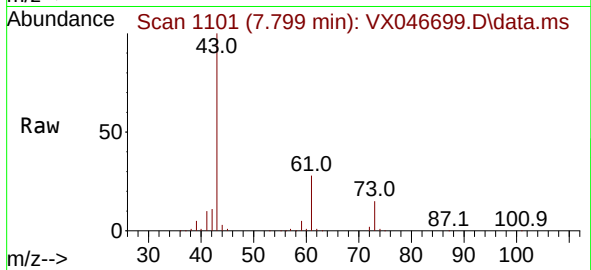




#48
Methyl methacrylate
Concen: 30.604 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

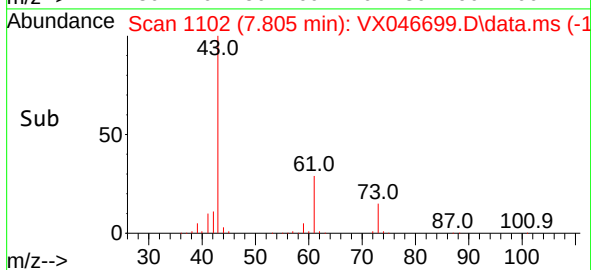
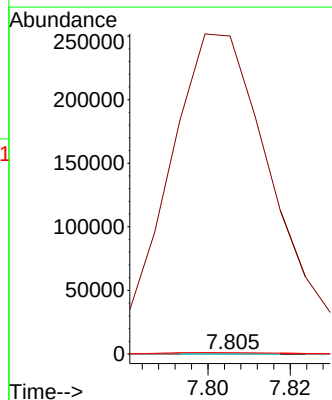
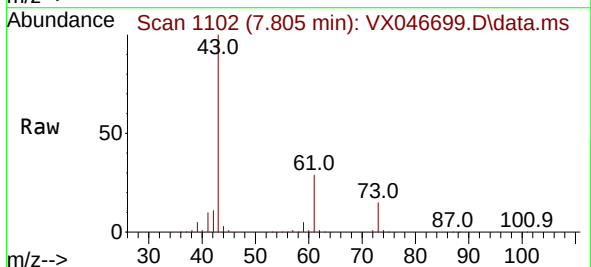
Instrument :
MSVOA_X
ClientSampleId :
TP-7

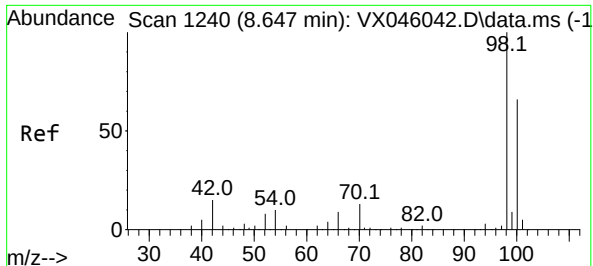
Tgt Ion: 41 Resp: 45525
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.8 51.7 77.5



#49
1,4-Dioxane
Concen: 1.056 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2235309.5 33.4 50.2#
58 10785.7 58.6 88.0#

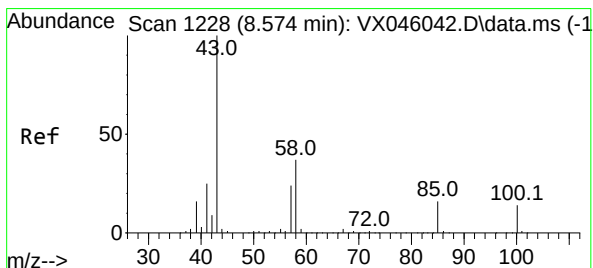
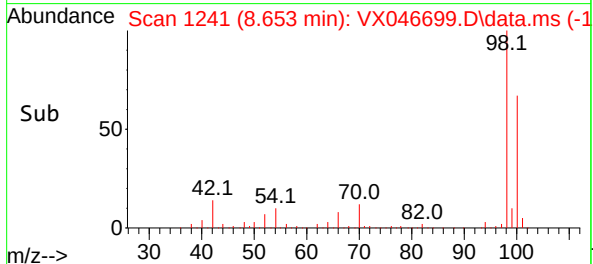
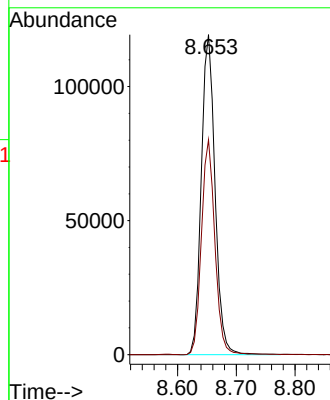
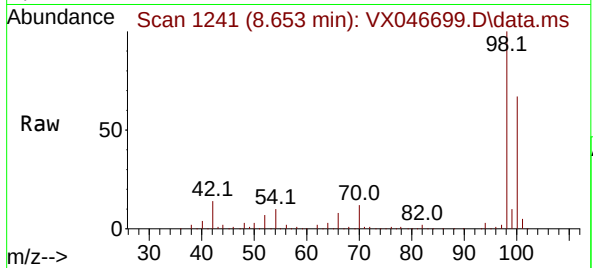




#50
Toluene-d8
Concen: 49.210 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

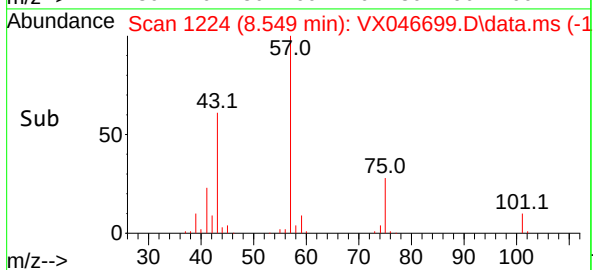
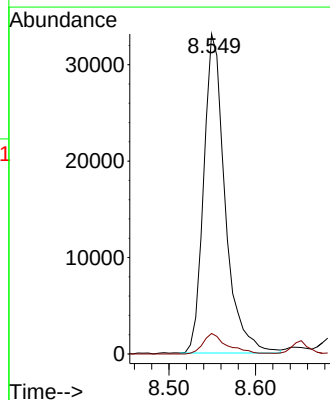
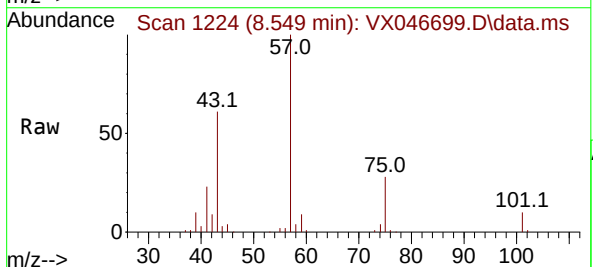
Instrument :
MSVOA_X
ClientSampleId :
TP-7

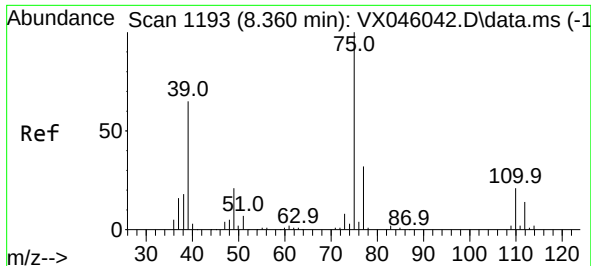
Tgt Ion: 98 Resp: 192997
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 30.922 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 43 Resp: 56812
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#

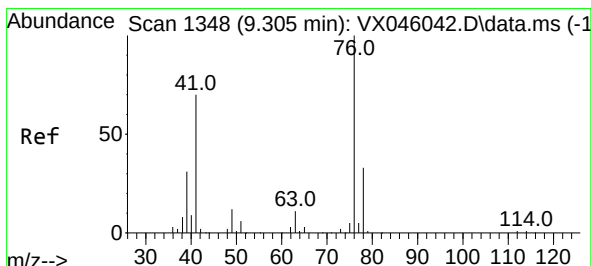
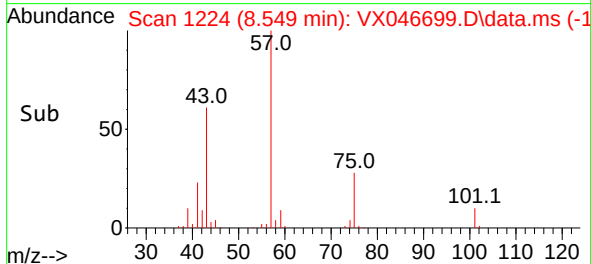
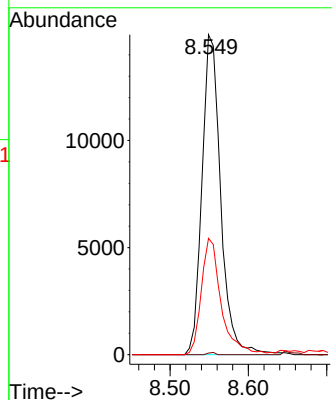
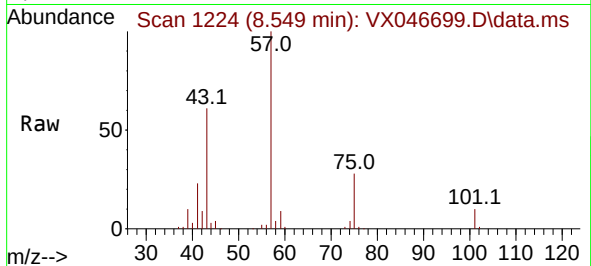




#54
 cis-1,3-Dichloropropene
 Concen: 13.002 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046699.D
 Acq: 13 Jun 2025 18:51

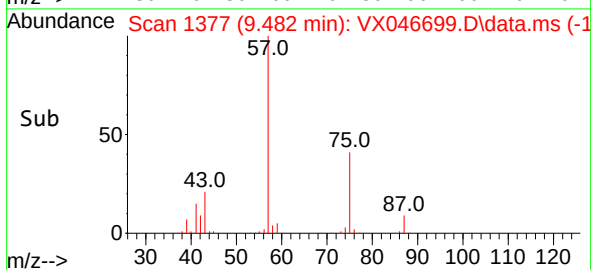
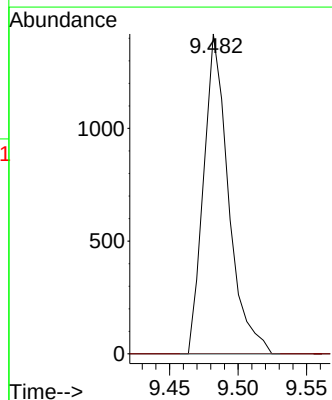
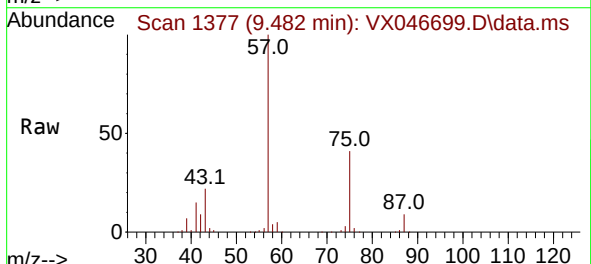
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7

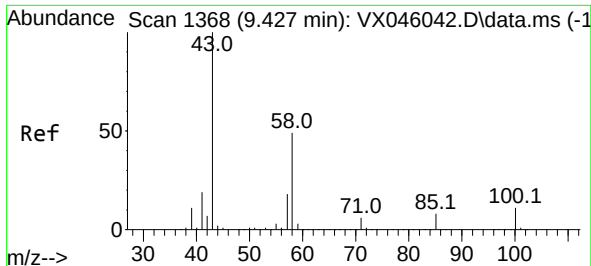
Tgt Ion: 75 Resp: 24755
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.0#
 39 36.3 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.861 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046699.D
 Acq: 13 Jun 2025 18:51

Tgt Ion: 76 Resp: 1796
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

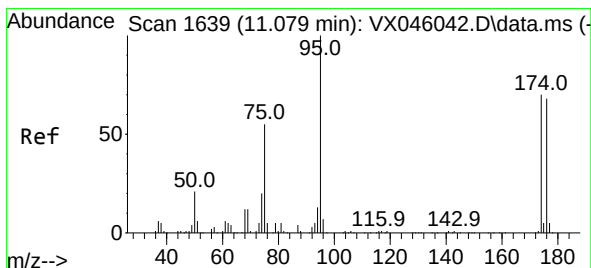
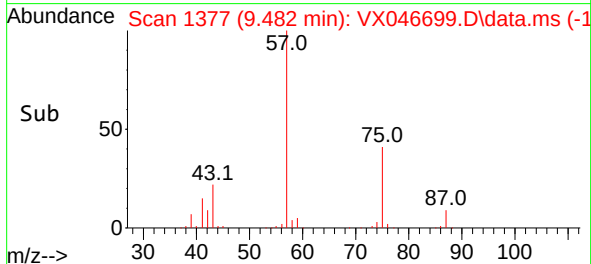
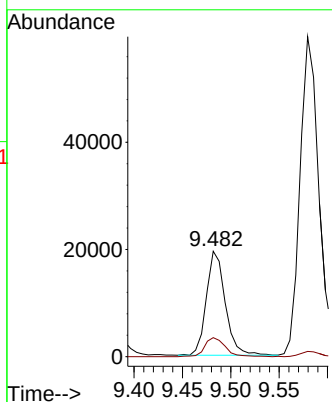
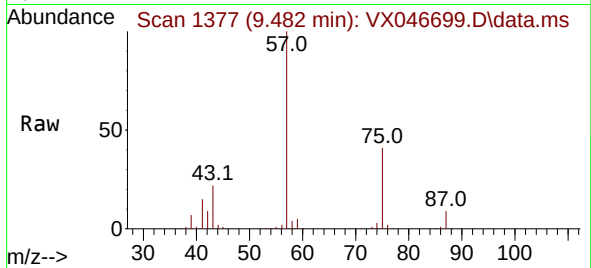




#59
2-Hexanone
Concen: 20.109 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

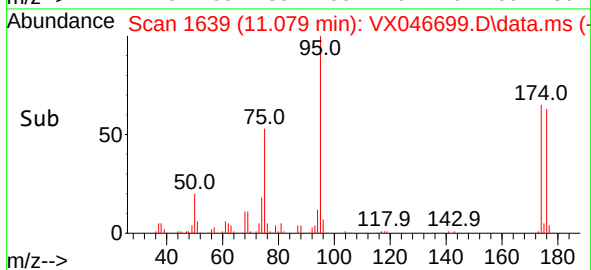
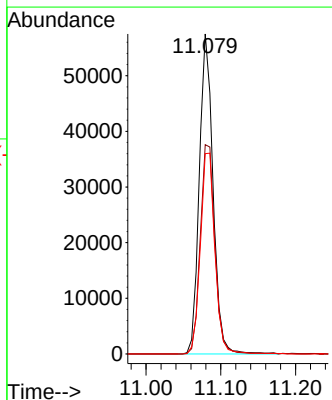
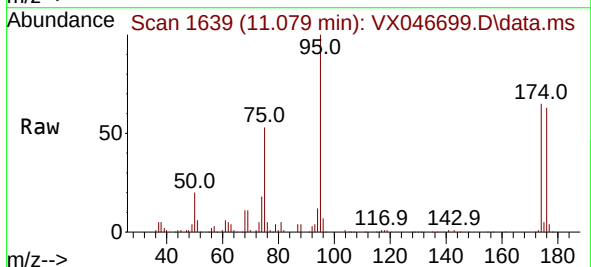
Instrument :
MSVOA_X
ClientSampleId :
TP-7

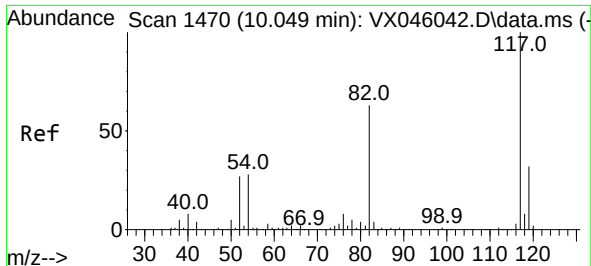
Tgt Ion: 43 Resp: 26497
Ion Ratio Lower Upper
43 100
58 19.9 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 45.189 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion: 95 Resp: 73327
Ion Ratio Lower Upper
95 100
174 69.6 0.0 135.8
176 66.6 0.0 131.4

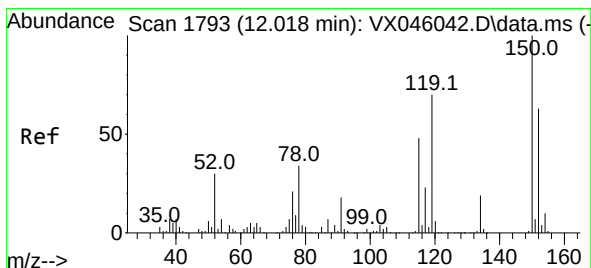
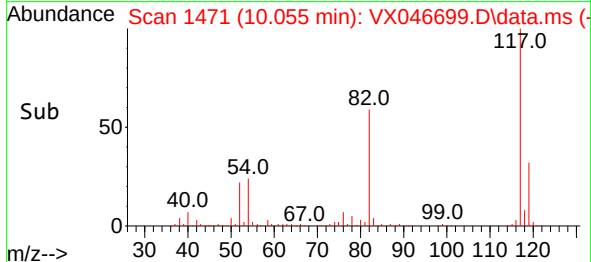
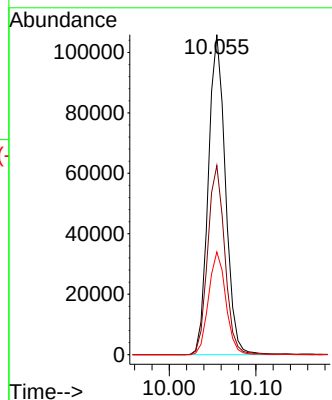
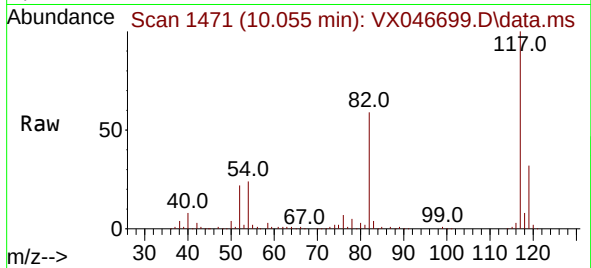




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

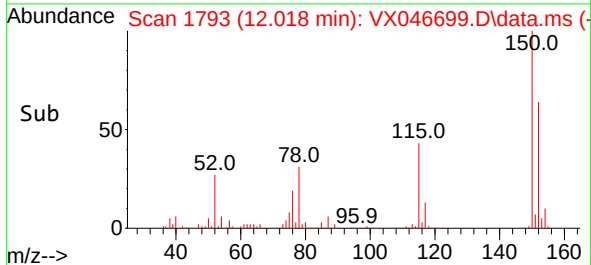
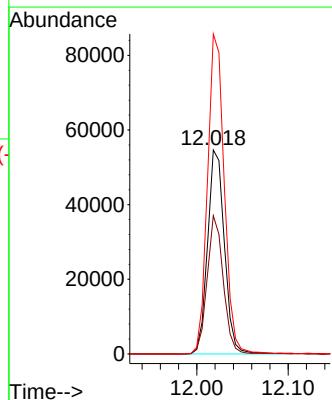
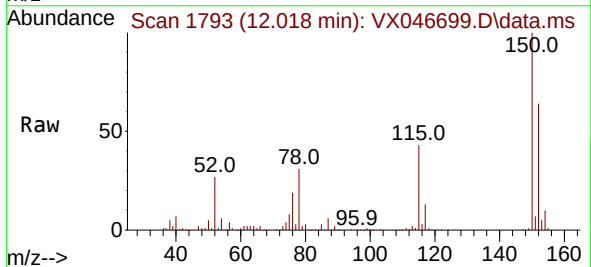
Instrument :
MSVOA_X
ClientSampleId :
TP-7

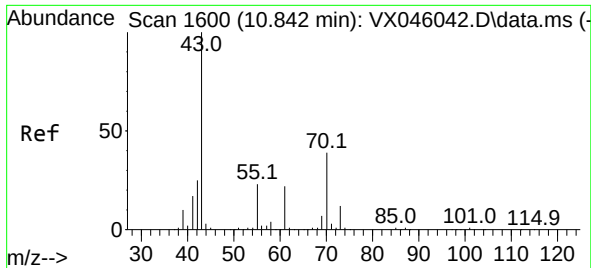
Tgt Ion:117 Resp: 145066
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion:152 Resp: 69771
Ion Ratio Lower Upper
152 100
115 65.0 46.9 140.7
150 155.9 0.0 351.0

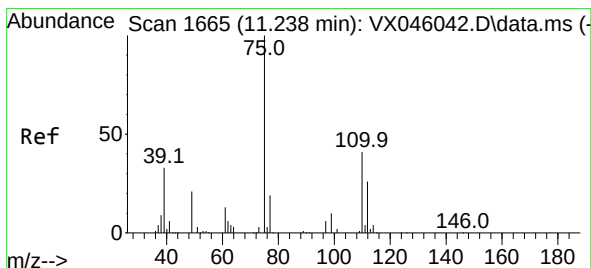
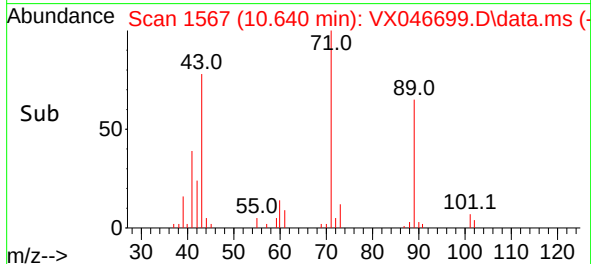
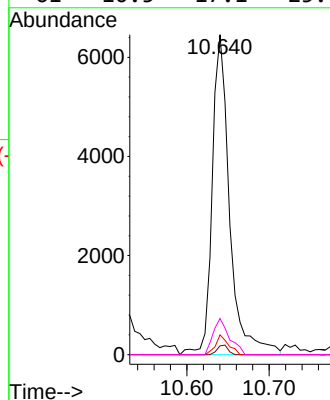
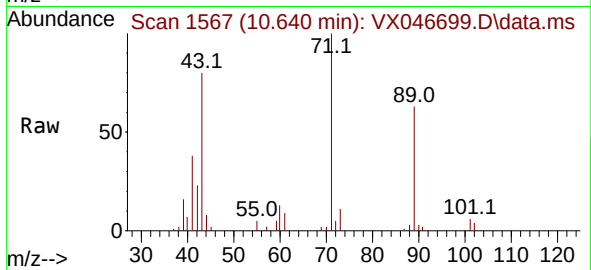




#74
N-ethyl acetate
Concen: 3.944 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

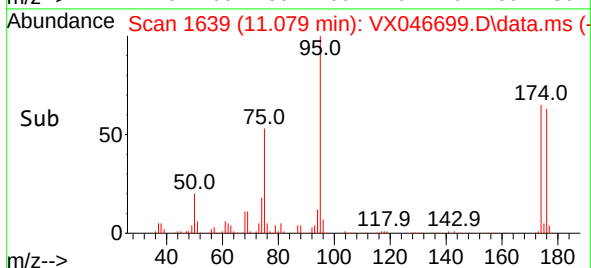
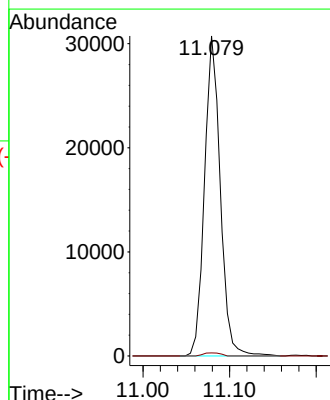
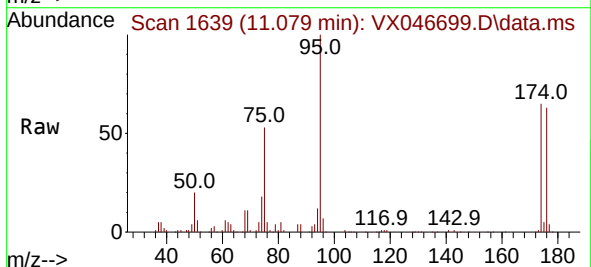
Instrument :
MSVOA_X
ClientSampleId :
TP-7

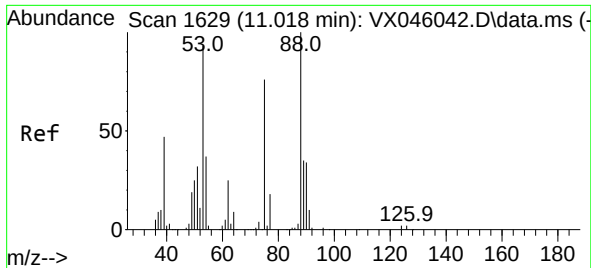
Tgt Ion:	43	Resp:	9525
Ion	Ratio	Lower	Upper
43	100		
70	1.9	30.9	46.3#
55	4.6	18.7	28.1#
61	10.5	17.1	25.7#



#76
1,2,3-Trichloropropane
Concen: 26.324 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046699.D
Acq: 13 Jun 2025 18:51

Tgt Ion:	75	Resp:	38902
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.5	61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.933 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046699.D
 Acq: 13 Jun 2025 18:51

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7

Tgt Ion: 75 Resp: 38902
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

