

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046646.D
 Acq On : 11 Jun 2025 18:37
 Operator : JC/MD
 Sample : Q2272-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

Quant Time: Jun 12 02:35:32 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

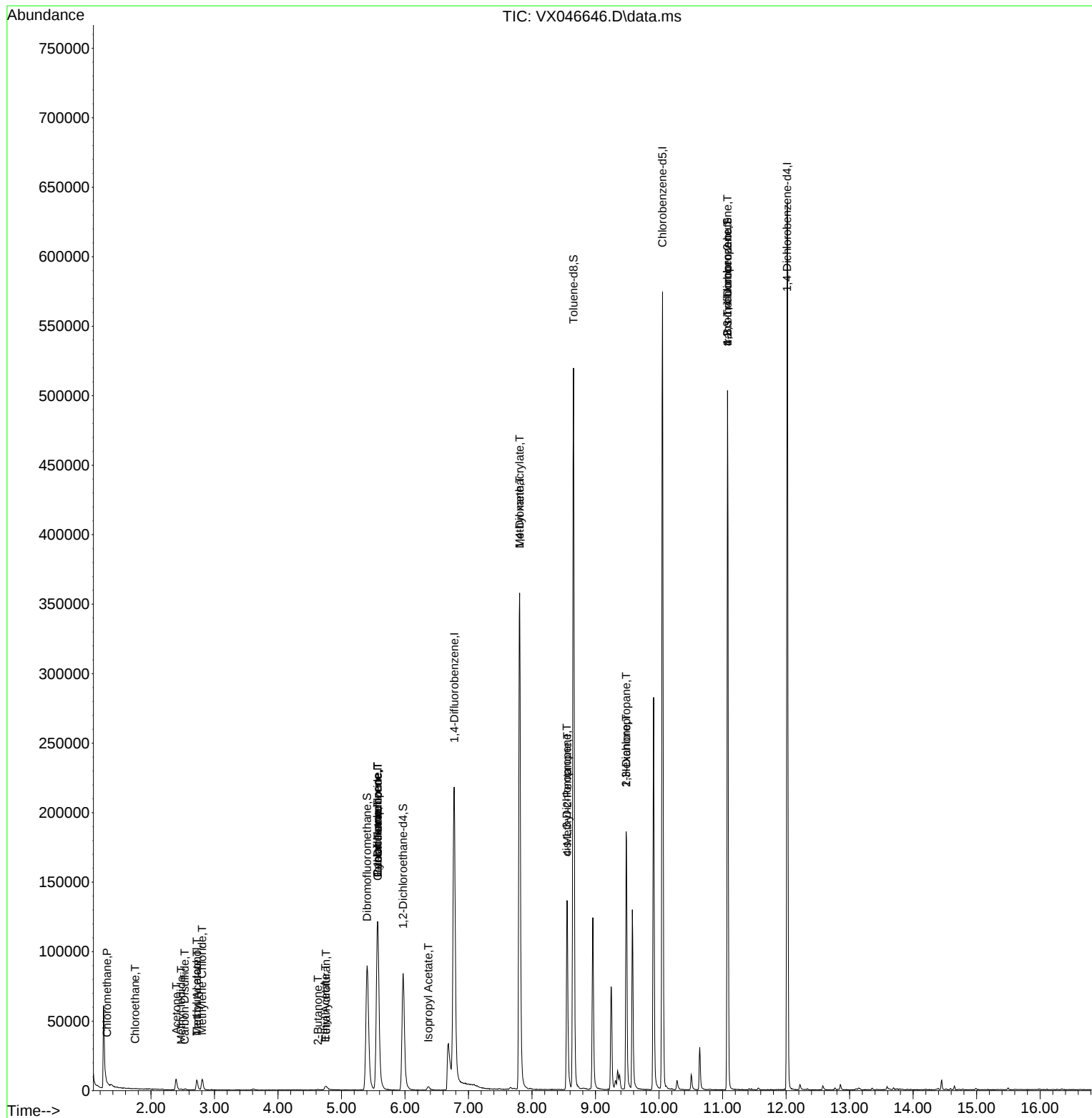
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	121554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	222182	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	127824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	88470	40.910	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.820%
35) Dibromofluoromethane	5.403	113	85581	52.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.760%
50) Toluene-d8	8.653	98	308290	57.230	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	114.460%#
62) 4-Bromofluorobenzene	11.079	95	130251	58.441	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.880%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	325	0.212	ug/l #	43
6) Chloroethane	1.752	64	259	0.261	ug/l #	44
10) Methyl Iodide	2.477	142	632	0.365	ug/l #	67
11) Tert butyl alcohol	2.721	59	774	3.225	ug/l #	72
16) Acetone	2.398	43	10228	16.417	ug/l	98
17) Carbon Disulfide	2.532	76	493	0.363	ug/l #	76
18) Methyl Acetate	2.721	43	10126	3.931	ug/l	97
20) Methylene Chloride	2.806	84	3718	2.143	ug/l	94
25) 2-Butanone	4.629	43	1506	1.251	ug/l	98
29) Tetrahydrofuran	4.757	42	238	0.313	ug/l #	35
31) Cyclohexane	5.568	56	2793	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	9936	4.257	ug/l #	51
37) Ethyl Acetate	4.745	43	6662	2.925	ug/l #	94
38) Carbon Tetrachloride	5.574	117	12855	4.917	ug/l #	18
43) Isopropyl Acetate	6.367	43	4118	1.037	ug/l #	97
48) Methyl methacrylate	7.805	41	34954	17.107	ug/l #	48
49) 1,4-Dioxane	7.805	88	19	0.695	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	50031	19.826	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	23613	9.029	ug/l #	51
57) 1,3-Dichloropropane	9.482	76	1747	0.610	ug/l #	42
59) 2-Hexanone	9.482	43	24273	13.412	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	67504	24.932	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	67504	71.921	ug/l #	1

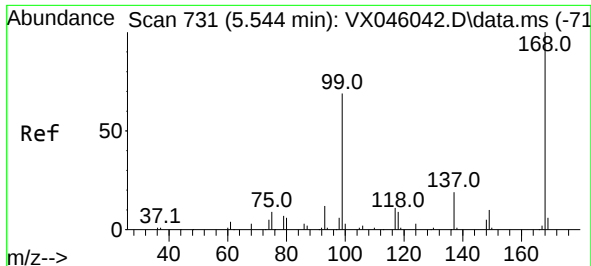
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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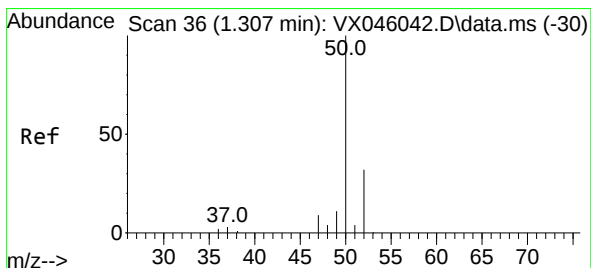
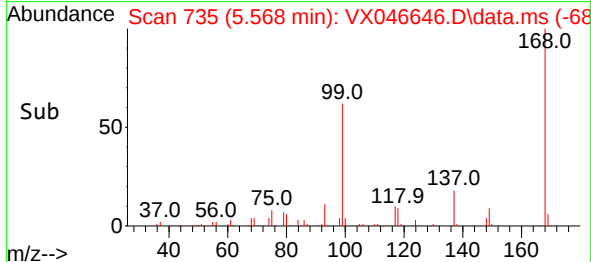
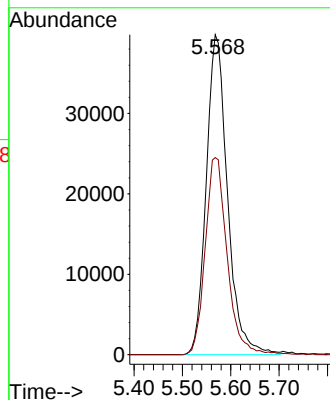
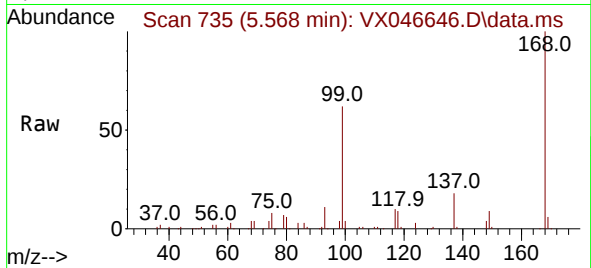




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

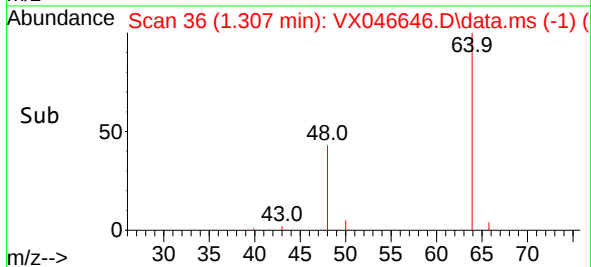
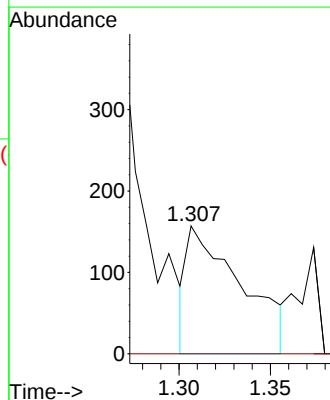
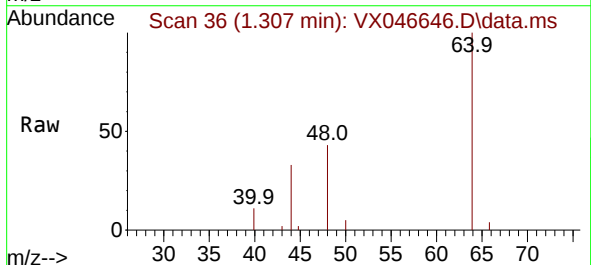
Instrument :
MSVOA_X
ClientSampleId :
TP-6

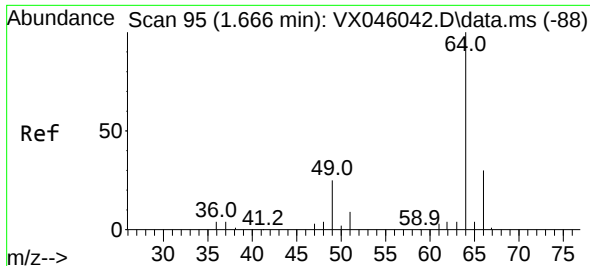
Tgt Ion:168 Resp: 121554
Ion Ratio Lower Upper
168 100
99 61.6 54.9 82.3



#3
Chloromethane
Concen: 0.212 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

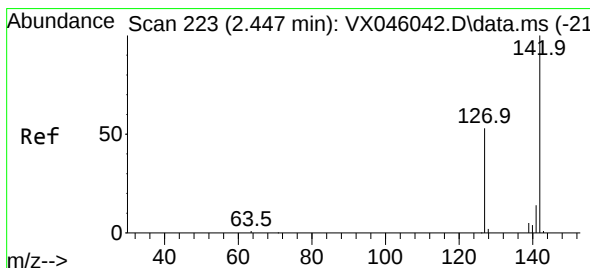
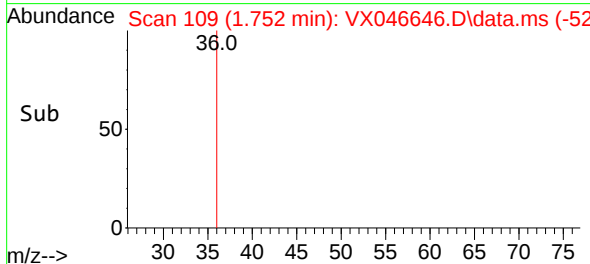
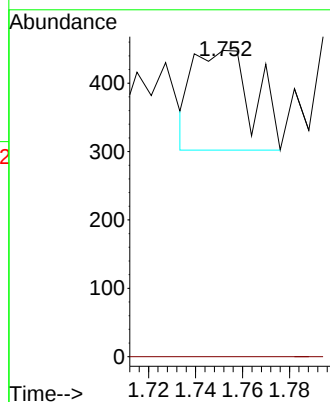
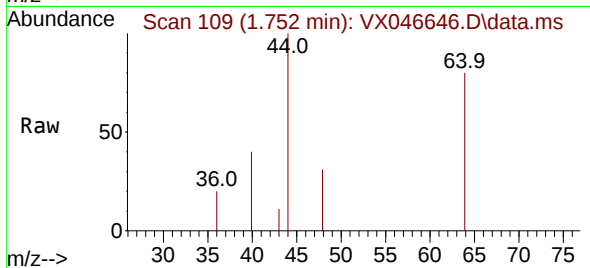




#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.752 min Scan# 10
Delta R.T. 0.049 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

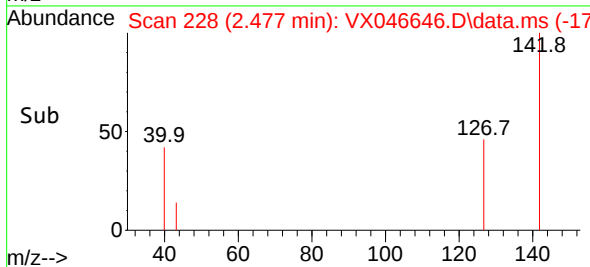
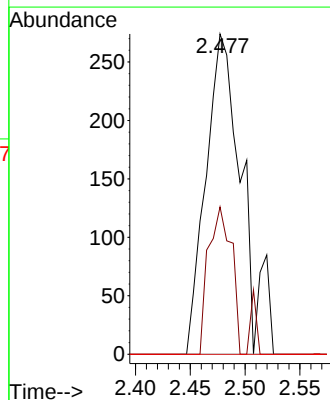
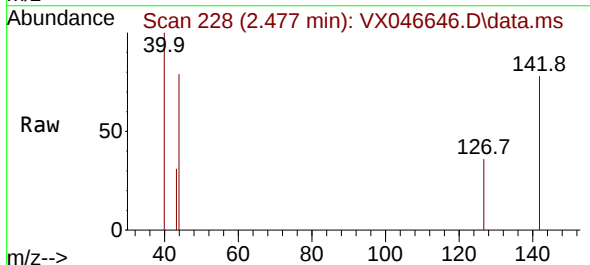
Instrument :
MSVOA_X
ClientSampleId :
TP-6

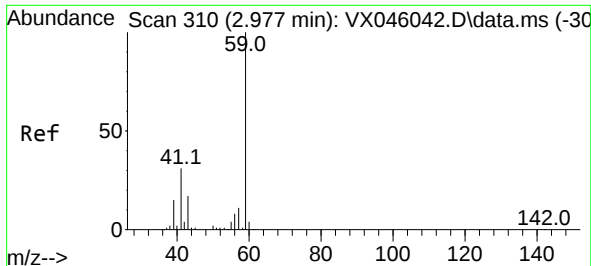
Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#10
Methyl Iodide
Concen: 0.365 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 142 Resp: 632
Ion Ratio Lower Upper
142 100
127 29.3 41.7 62.5#
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 3.225 ug/l

RT: 2.721 min Scan# 215

Delta R.T. -0.250 min

Lab File: VX046646.D

Acq: 11 Jun 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

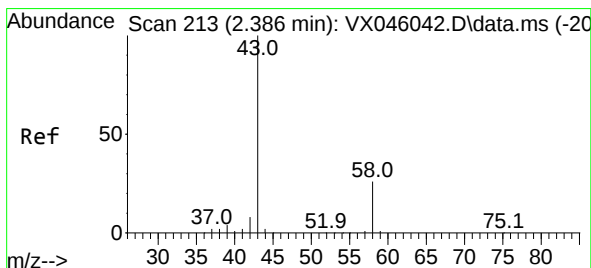
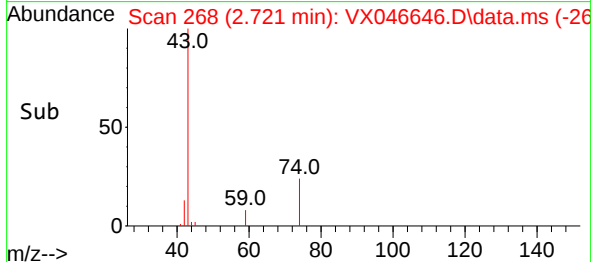
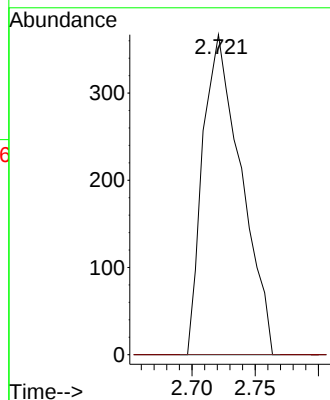
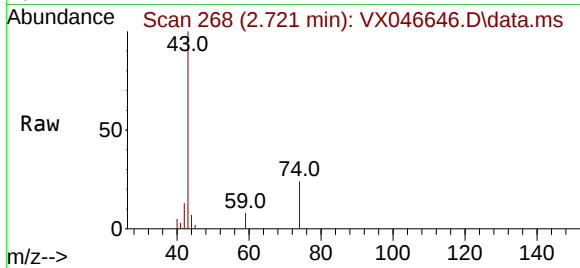
TP-6

Tgt Ion: 59 Resp: 774

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 16.417 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX046646.D

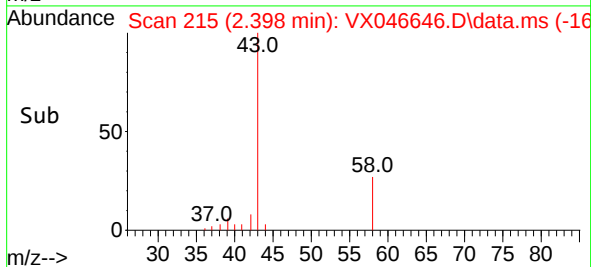
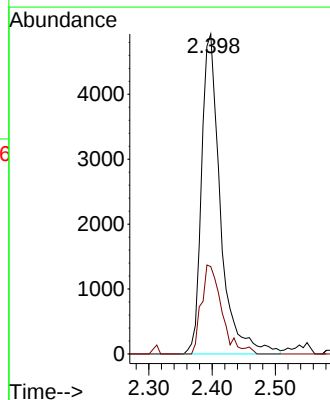
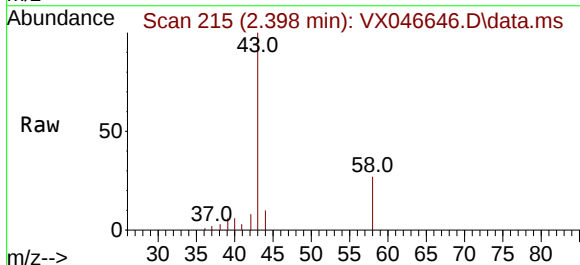
Acq: 11 Jun 2025 18:37

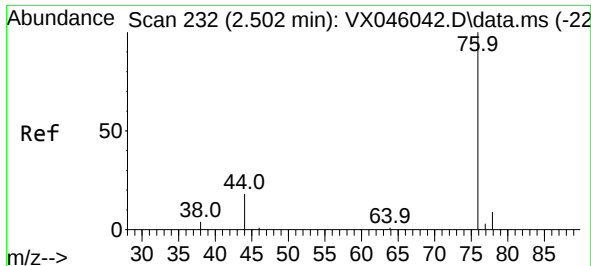
Tgt Ion: 43 Resp: 10228

Ion Ratio Lower Upper

43 100

58 27.3 21.2 31.8





#17

Carbon Disulfide

Concen: 0.363 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046646.D

Acq: 11 Jun 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

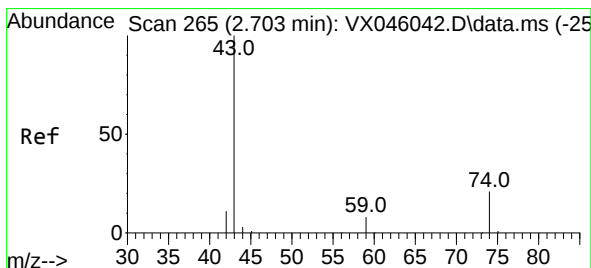
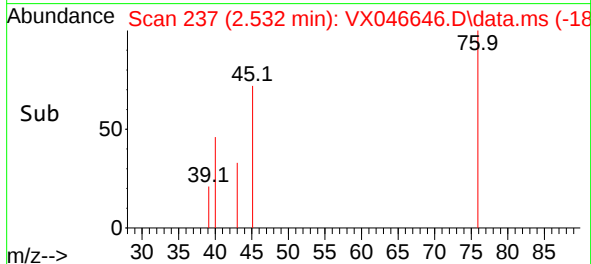
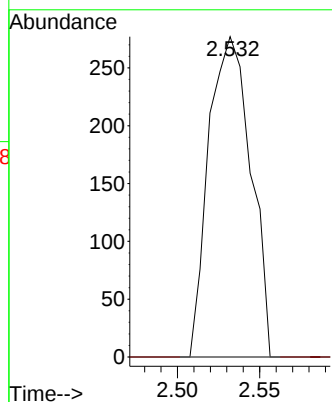
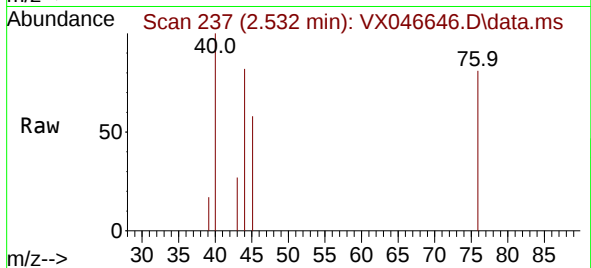
TP-6

Tgt Ion: 76 Resp: 493

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 3.931 ug/l

RT: 2.721 min Scan# 268

Delta R.T. -0.000 min

Lab File: VX046646.D

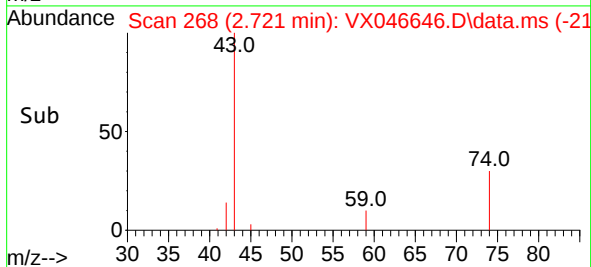
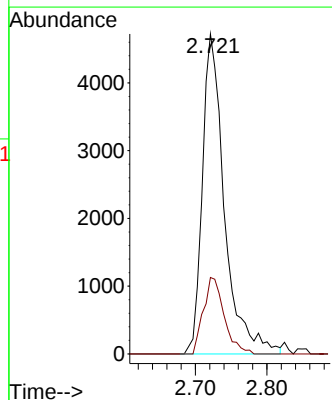
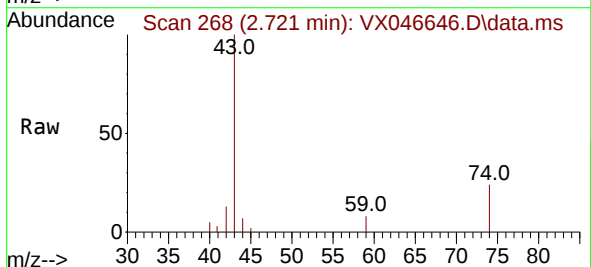
Acq: 11 Jun 2025 18:37

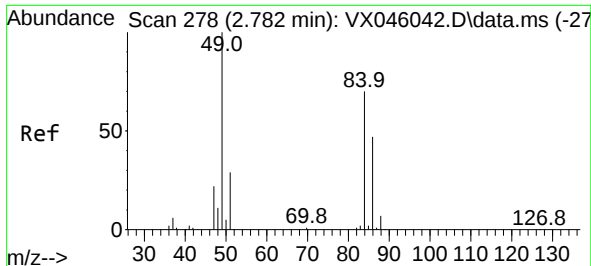
Tgt Ion: 43 Resp: 10126

Ion Ratio Lower Upper

43 100

74 22.5 16.7 25.1

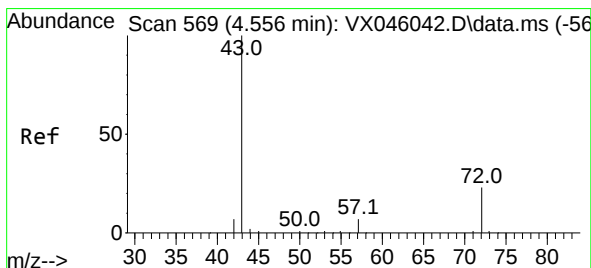
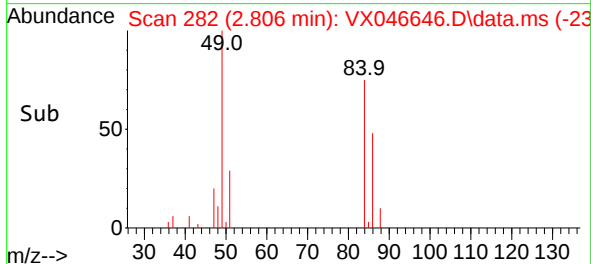
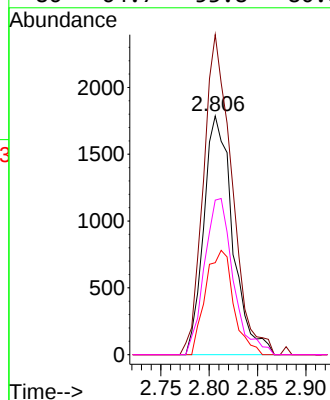
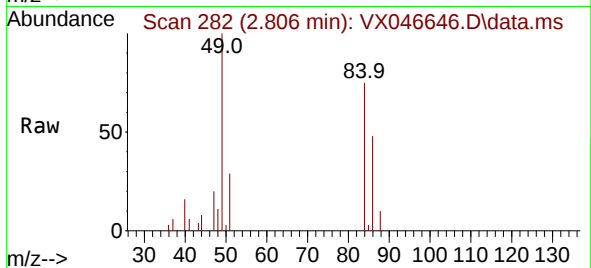




#20
Methylene Chloride
Concen: 2.143 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

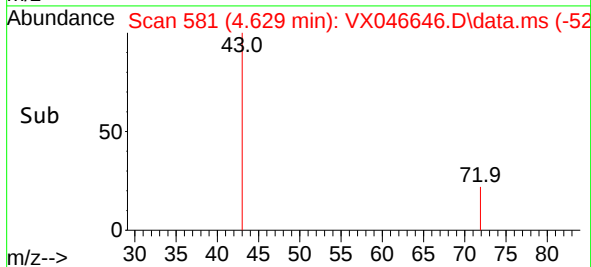
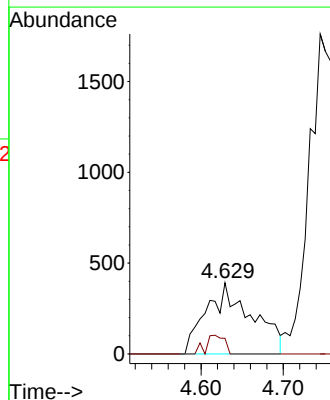
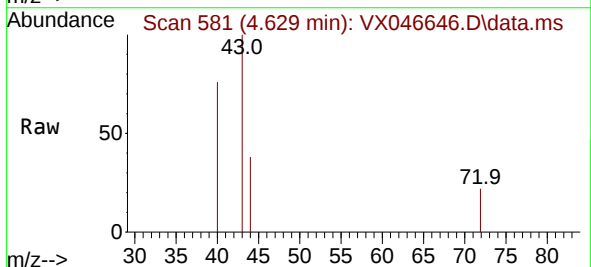
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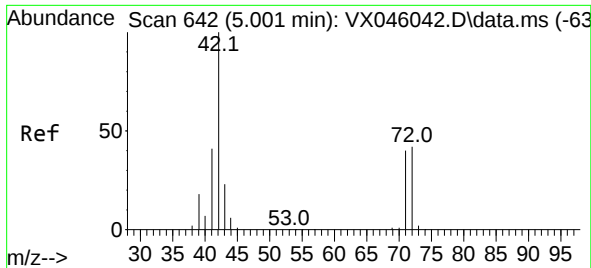
Tgt Ion:	84	Resp:	3718
Ion	Ratio	Lower	Upper
84	100		
49	134.0	113.9	170.9
51	38.5	33.5	50.3
86	64.7	53.8	80.8



#25
2-Butanone
Concen: 1.251 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.055 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion:	43	Resp:	1506
Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.4	27.6

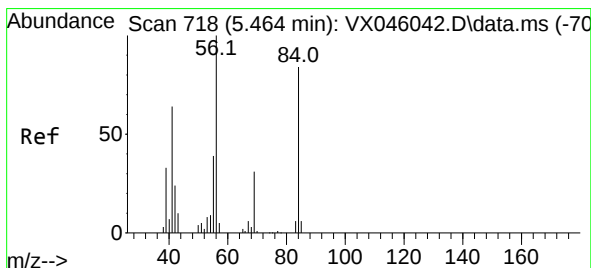
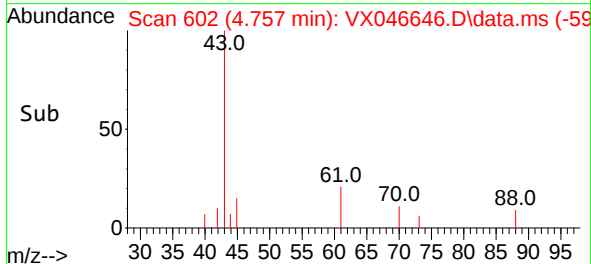
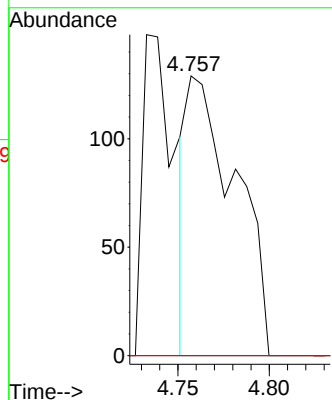
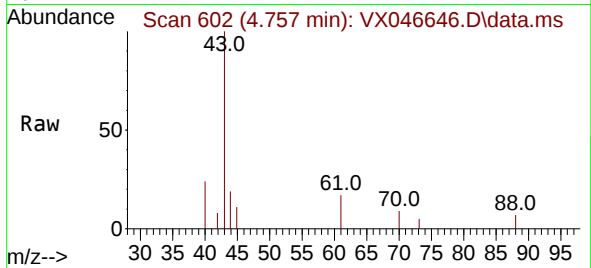




#29
Tetrahydrofuran
Concen: 0.313 ug/l
RT: 4.757 min Scan# 602
Delta R.T. -0.262 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

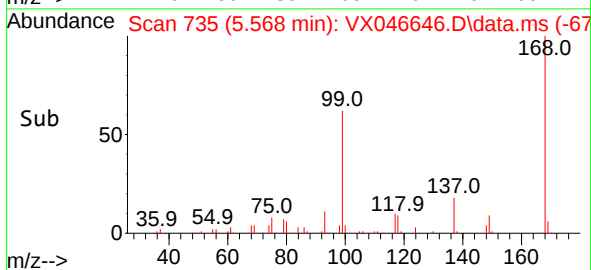
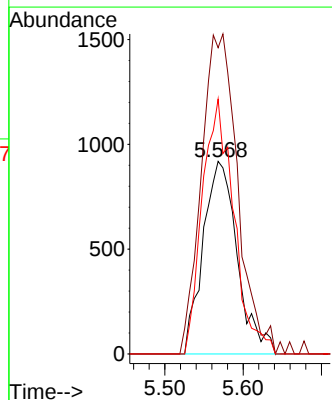
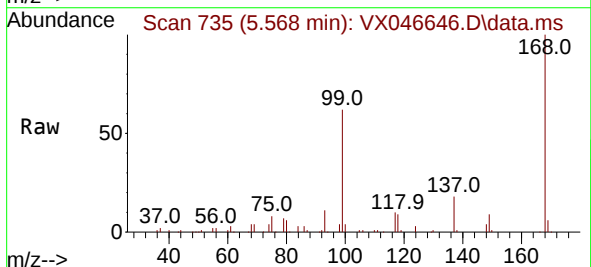
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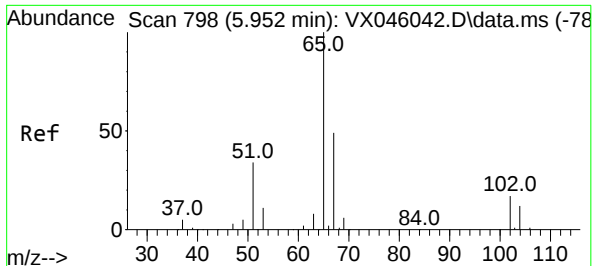
Tgt Ion: 42 Resp: 238
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.079 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 56 Resp: 2793
Ion Ratio Lower Upper
56 100
69 159.0 24.4 36.6#
84 132.3 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 40.910 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046646.D

Acq: 11 Jun 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

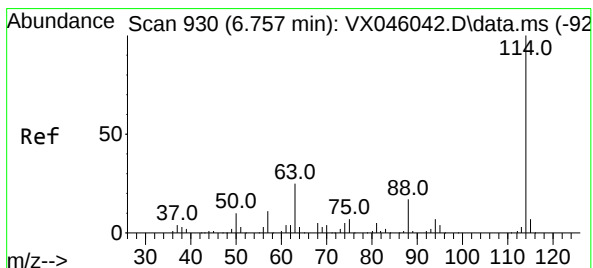
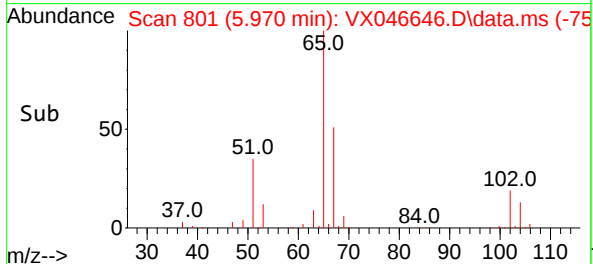
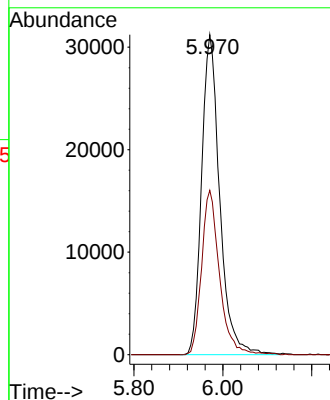
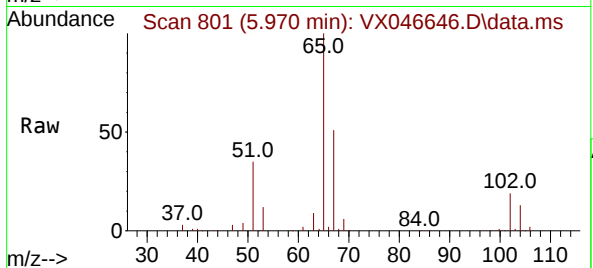
TP-6

Tgt Ion: 65 Resp: 88470

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: VX046646.D

Acq: 11 Jun 2025 18:37

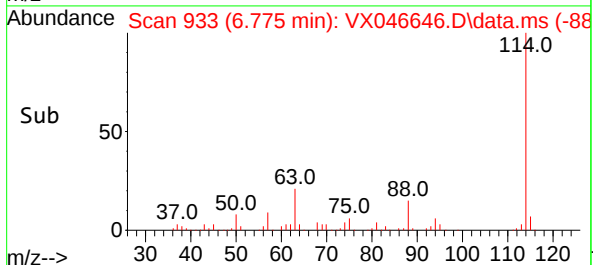
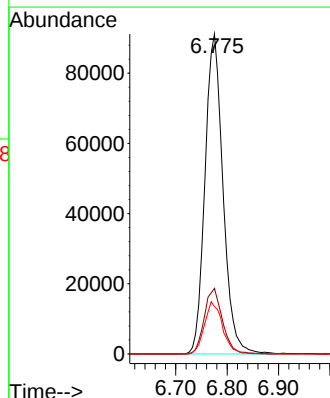
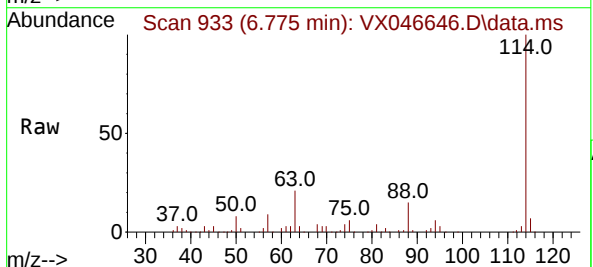
Tgt Ion: 114 Resp: 222182

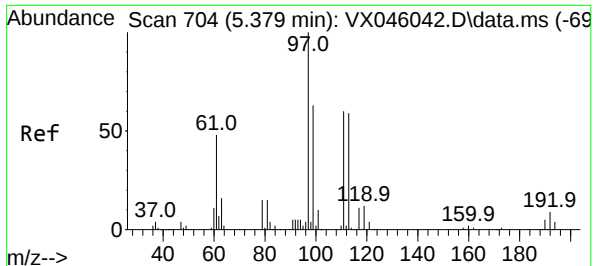
Ion Ratio Lower Upper

114 100

63 20.5 0.0 49.2

88 14.8 0.0 33.6

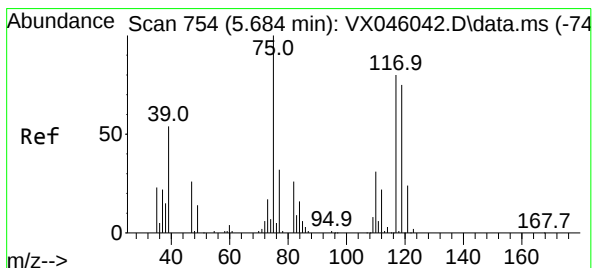
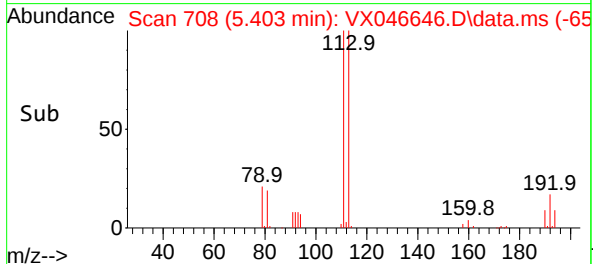
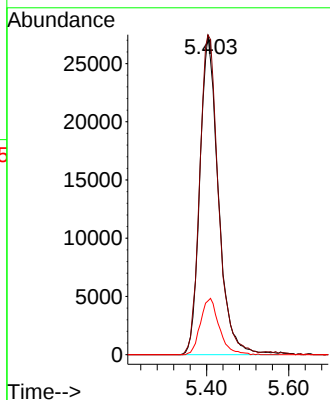
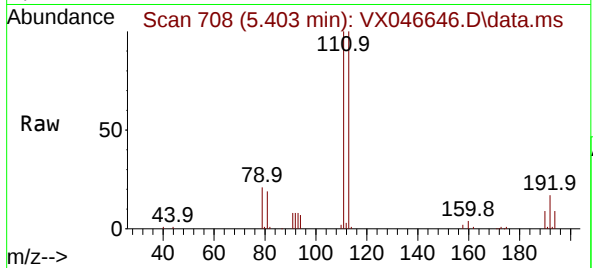




#35
Dibromofluoromethane
Concen: 52.378 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

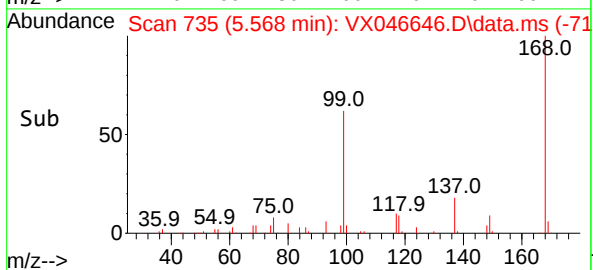
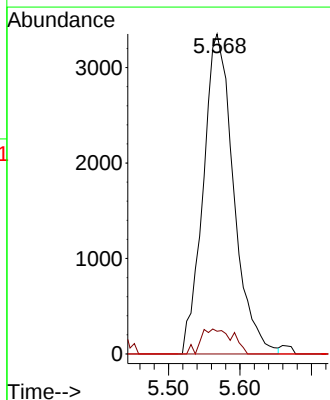
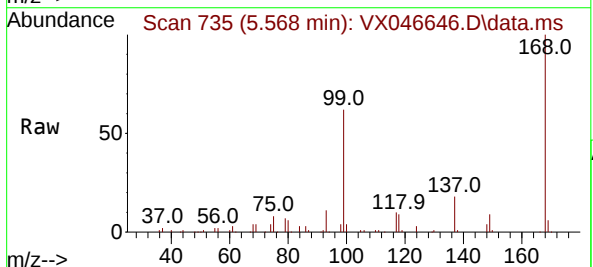
Instrument :
MSVOA_X
ClientSampleId :
TP-6

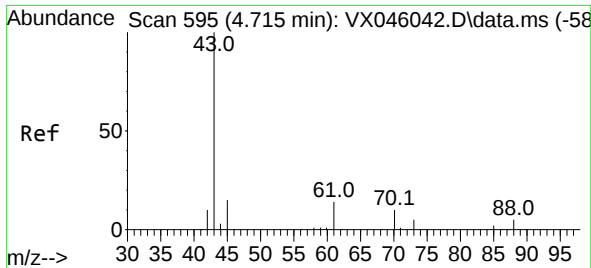
Tgt Ion:113 Resp: 85581
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.257 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 75 Resp: 9936
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 24.3 36.5#

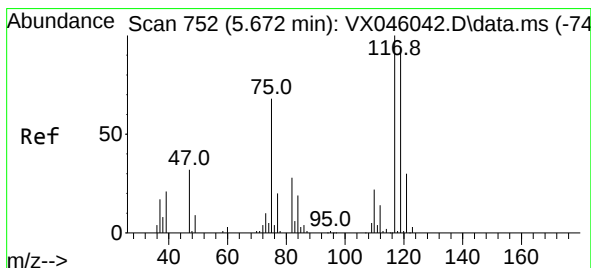
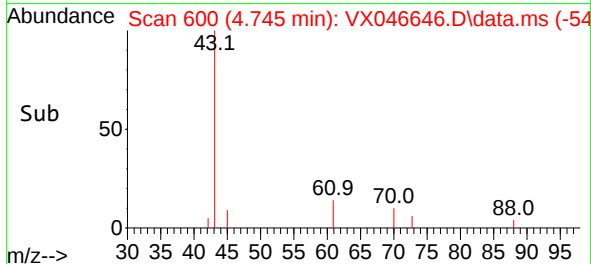
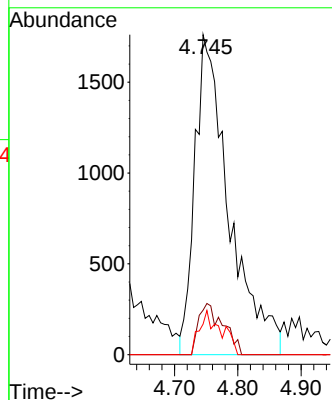
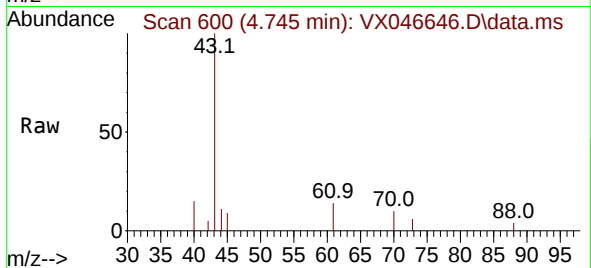




#37
Ethyl Acetate
Concen: 2.925 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

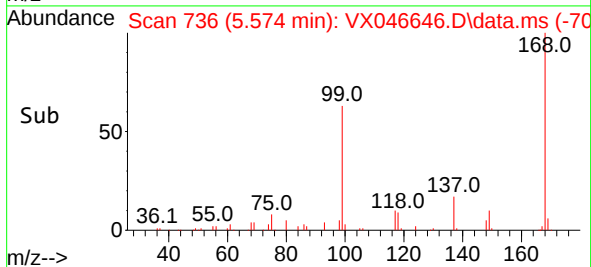
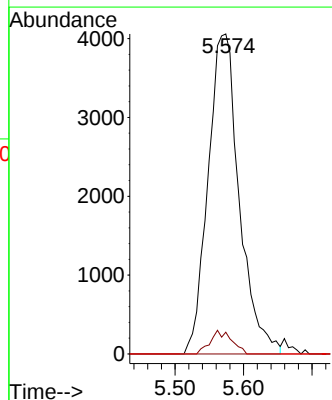
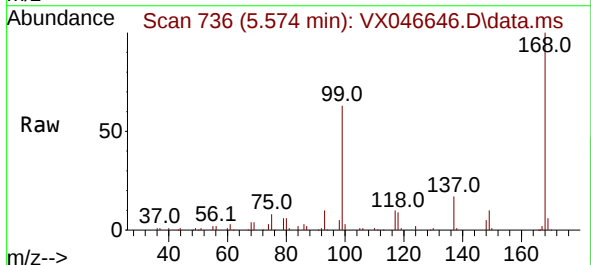
Instrument :
MSVOA_X
ClientSampleId :
TP-6

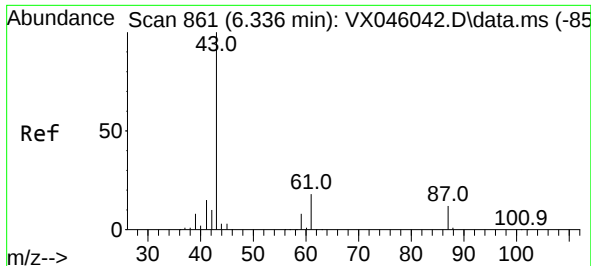
Tgt Ion: 43 Resp: 6662
Ion Ratio Lower Upper
43 100
61 11.5 10.3 15.5
70 6.8 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.122 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 117 Resp: 12855
Ion Ratio Lower Upper
117 100
119 6.8 75.2 112.8#
121 0.0 24.2 36.4#

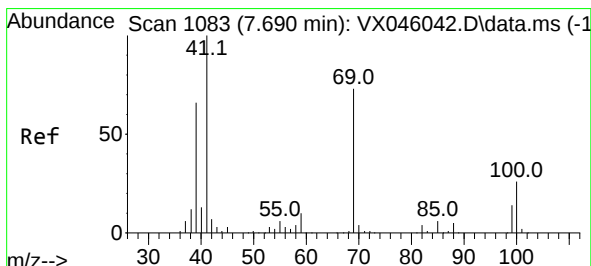
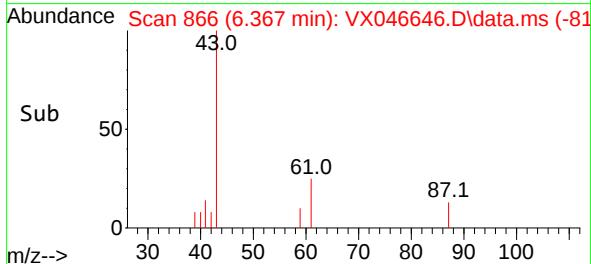
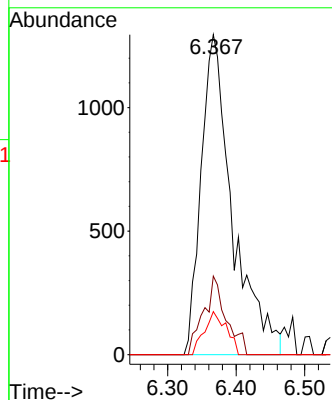
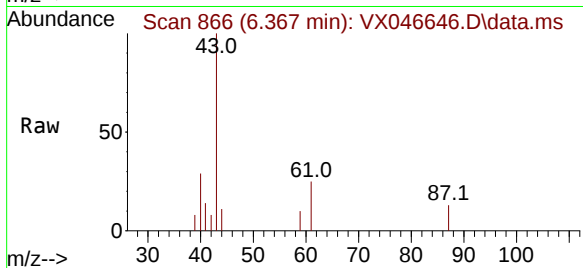




#43
Isopropyl Acetate
Concen: 1.037 ug/l
RT: 6.367 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

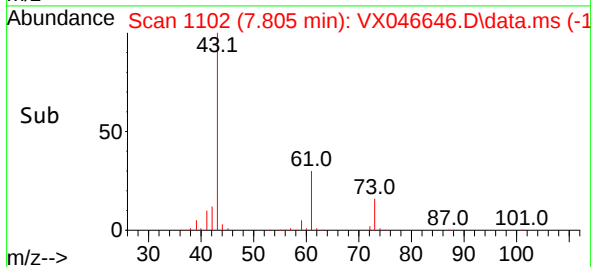
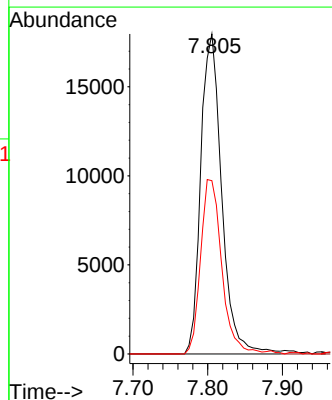
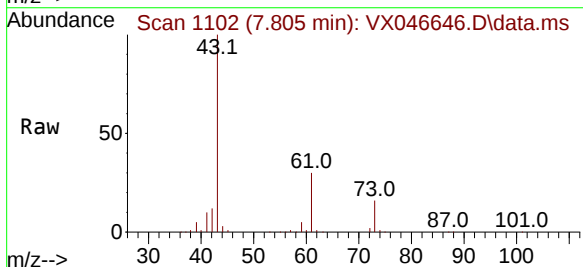
Instrument :
MSVOA_X
ClientSampleId :
TP-6

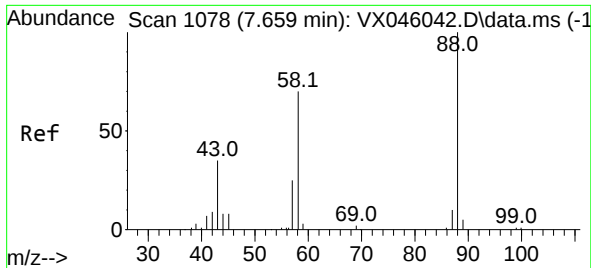
Tgt Ion: 43 Resp: 4118
Ion Ratio Lower Upper
43 100
61 17.7 14.3 21.5
87 9.4 9.5 14.3#



#48
Methyl methacrylate
Concen: 17.107 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 41 Resp: 34954
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.0 51.7 77.5

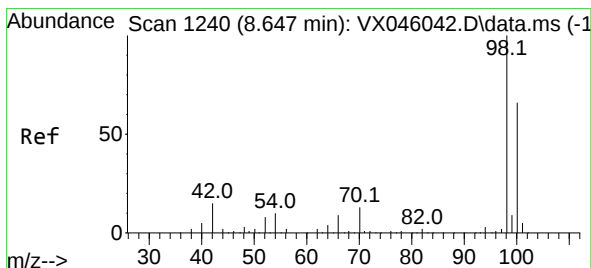
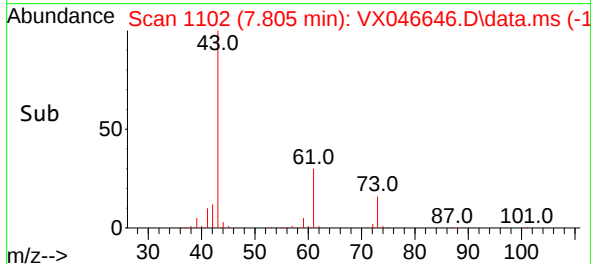
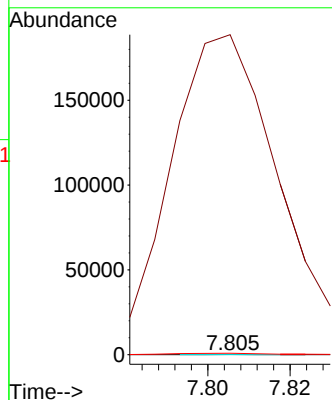
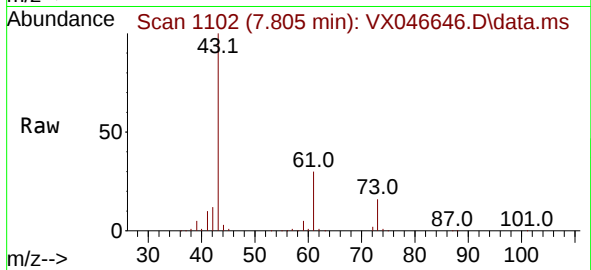




#49
1,4-Dioxane
Concen: 0.695 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

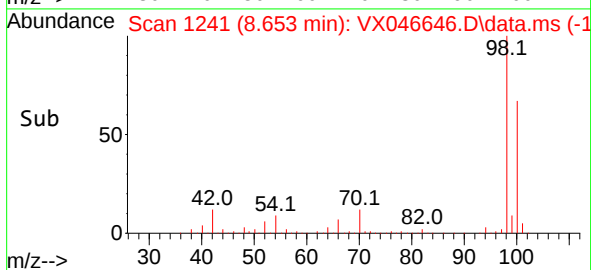
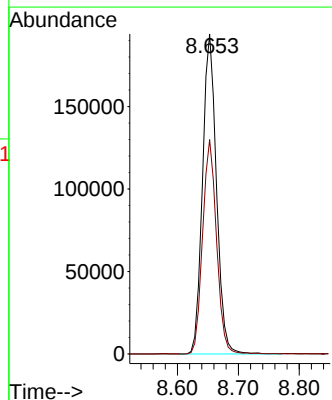
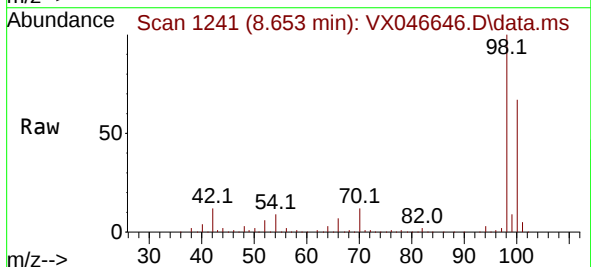
Instrument :
MSVOA_X
ClientSampleId :
TP-6

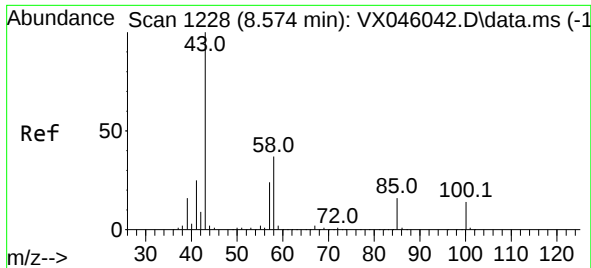
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1912857.9 33.4 50.2#
58 7931.6 58.6 88.0#



#50
Toluene-d8
Concen: 57.230 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 98 Resp: 308290
Ion Ratio Lower Upper
98 100
100 67.0 53.5 80.3

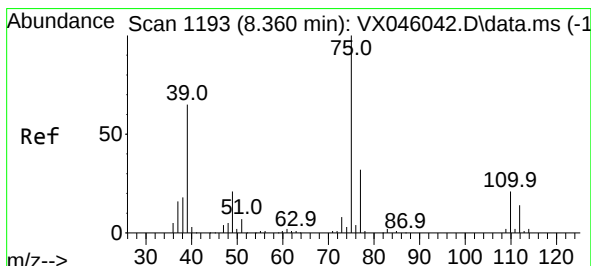
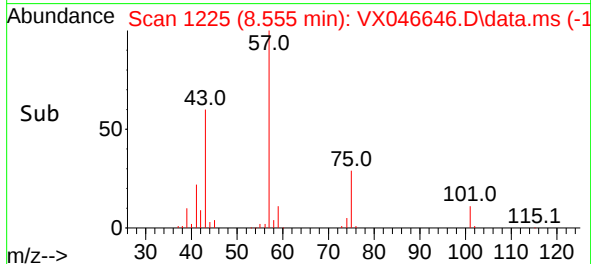
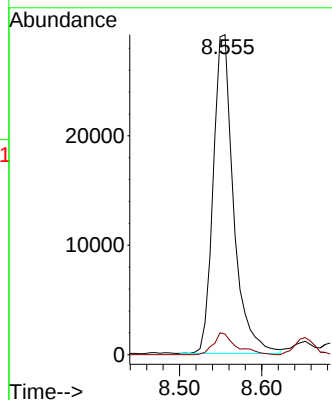
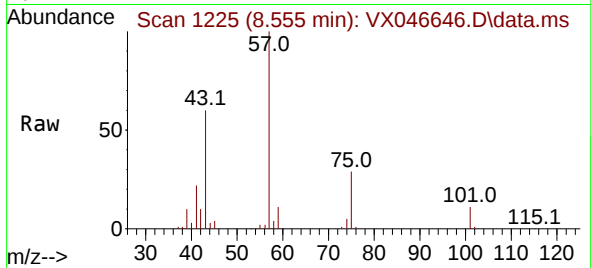




#51
4-Methyl-2-Pentanone
Concen: 19.826 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

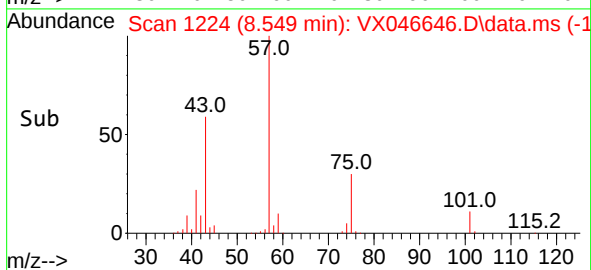
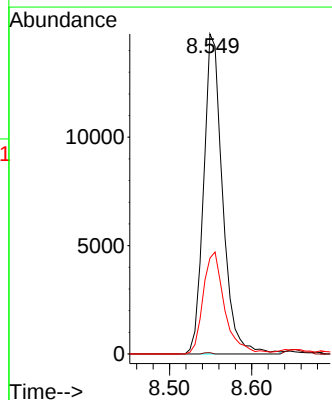
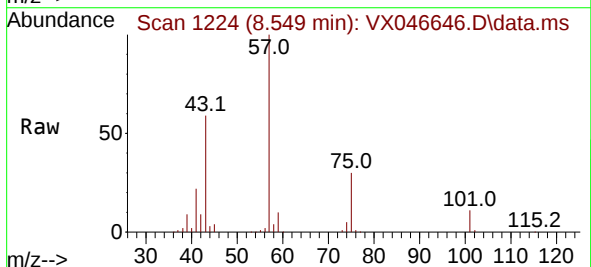
Instrument :
MSVOA_X
ClientSampleId :
TP-6

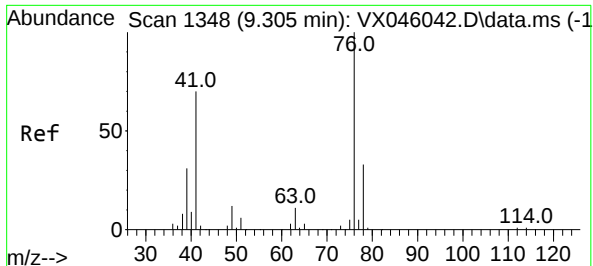
Tgt Ion: 43 Resp: 50031
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 9.029 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 75 Resp: 23613
Ion Ratio Lower Upper
75 100
77 0.4 25.4 38.0#
39 30.0 52.2 78.4#

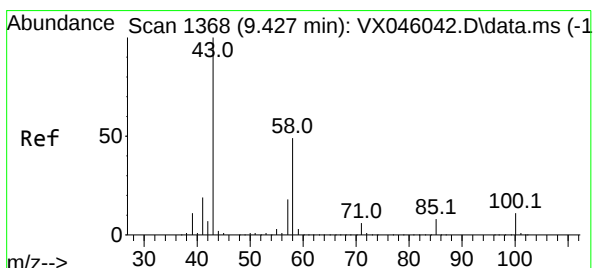
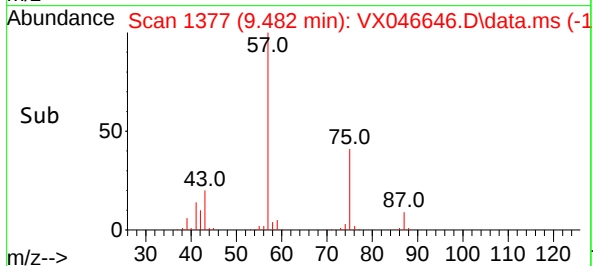
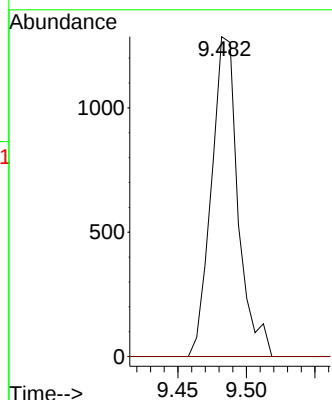
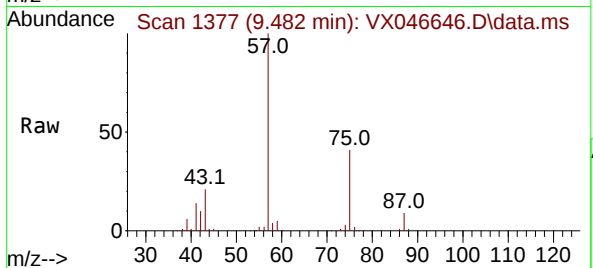




#57
1,3-Dichloropropane
Concen: 0.610 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

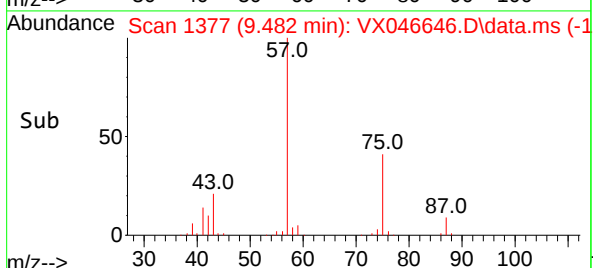
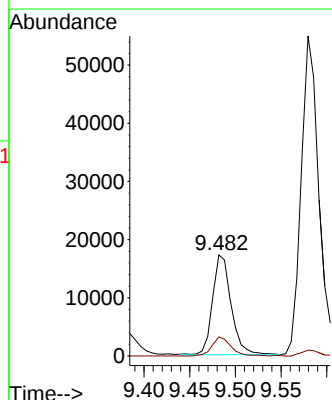
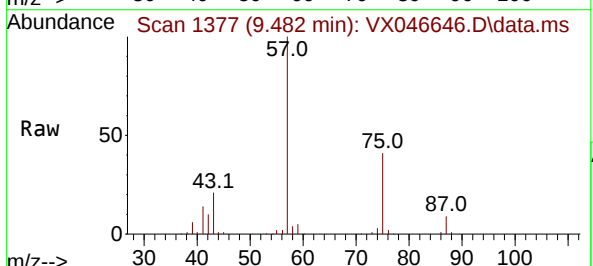
Instrument :
MSVOA_X
ClientSampleId :
TP-6

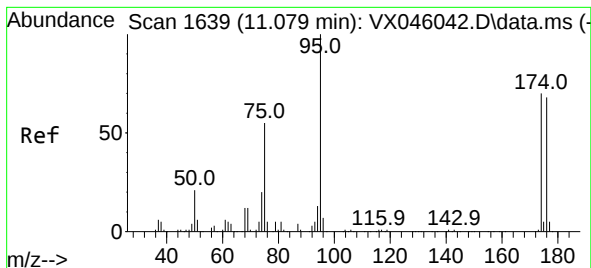
Tgt Ion: 76 Resp: 1747
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 13.412 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 43 Resp: 24273
Ion Ratio Lower Upper
43 100
58 19.4 24.9 74.6#

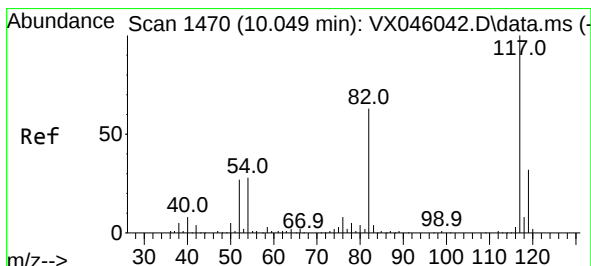
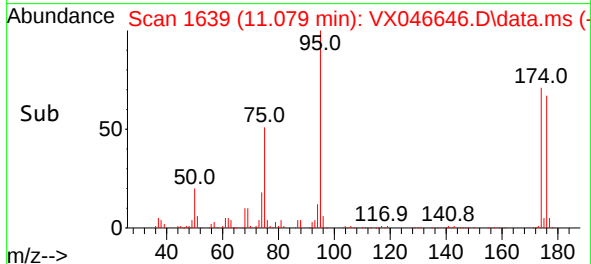
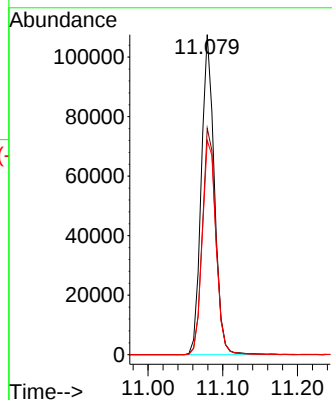
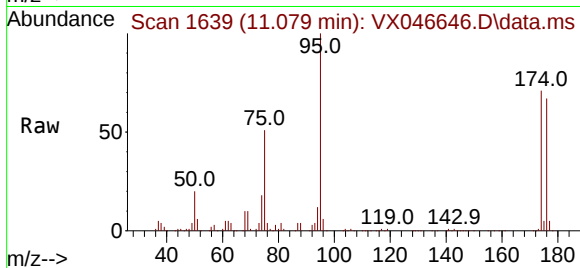




#62
4-Bromofluorobenzene
Concen: 58.441 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

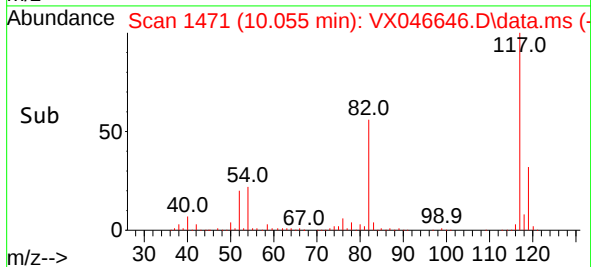
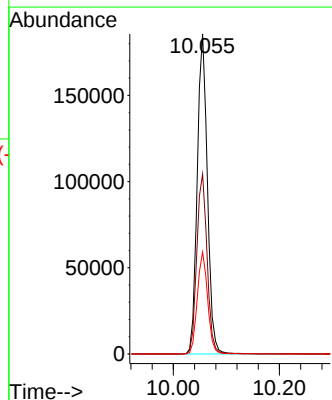
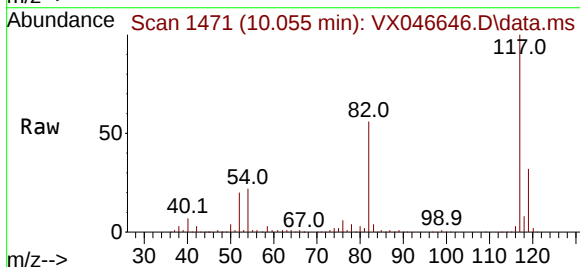
Instrument :
MSVOA_X
ClientSampleId :
TP-6

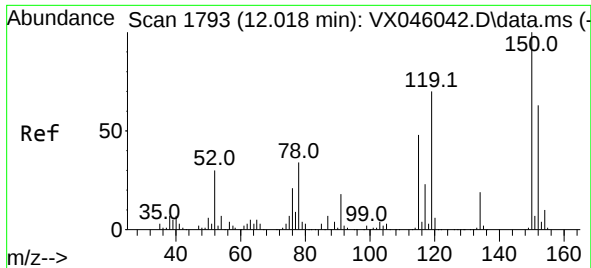
Tgt Ion: 95 Resp: 130251
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.8
176 70.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046646.D
Acq: 11 Jun 2025 18:37

Tgt Ion: 117 Resp: 247148
Ion Ratio Lower Upper
117 100
82 56.2 50.6 76.0
119 31.8 25.8 38.6

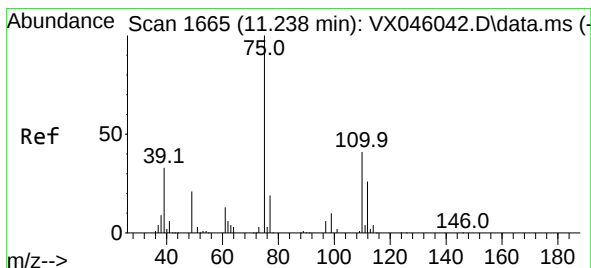
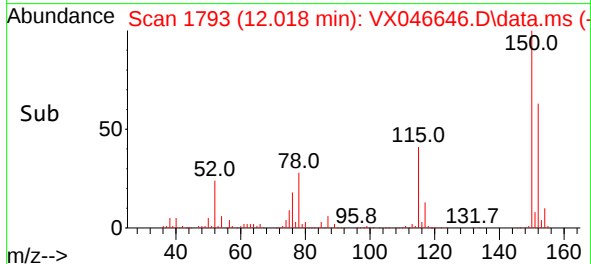
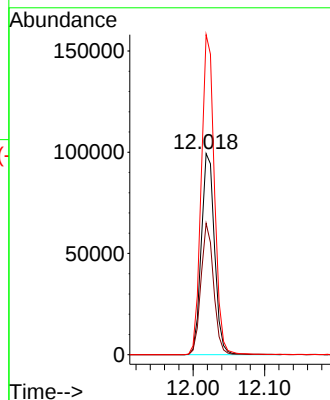
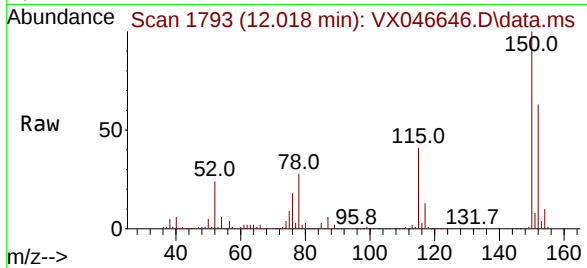




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046646.D
 Acq: 11 Jun 2025 18:37

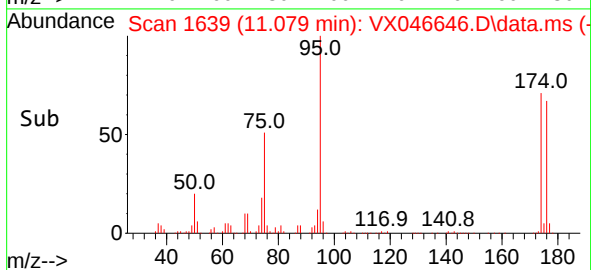
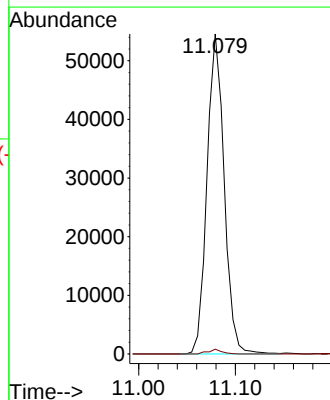
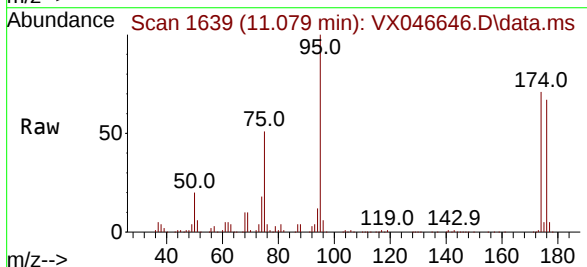
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

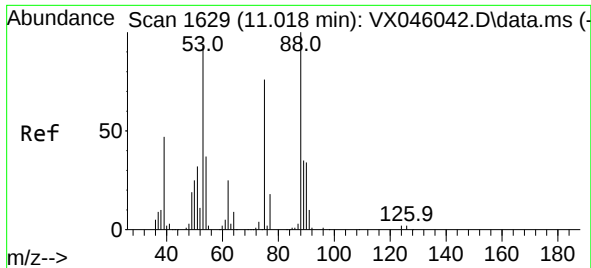
Tgt Ion:152 Resp: 127824
 Ion Ratio Lower Upper
 152 100
 115 62.5 46.9 140.7
 150 157.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 24.932 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046646.D
 Acq: 11 Jun 2025 18:37

Tgt Ion: 75 Resp: 67504
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.921 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046646.D
 Acq: 11 Jun 2025 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

Tgt Ion: 75 Resp: 67504
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

