

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046222.D
 Acq On : 15 May 2025 18:28
 Operator : JC/MD
 Sample : Q2034-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:09:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	60465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51281	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62288	55.256	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.520%	
35) Dibromofluoromethane	5.385	113	45098	51.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.640%	
50) Toluene-d8	8.647	98	155895	51.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.500%	
62) 4-Bromofluorobenzene	11.079	95	60094	52.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.020%	

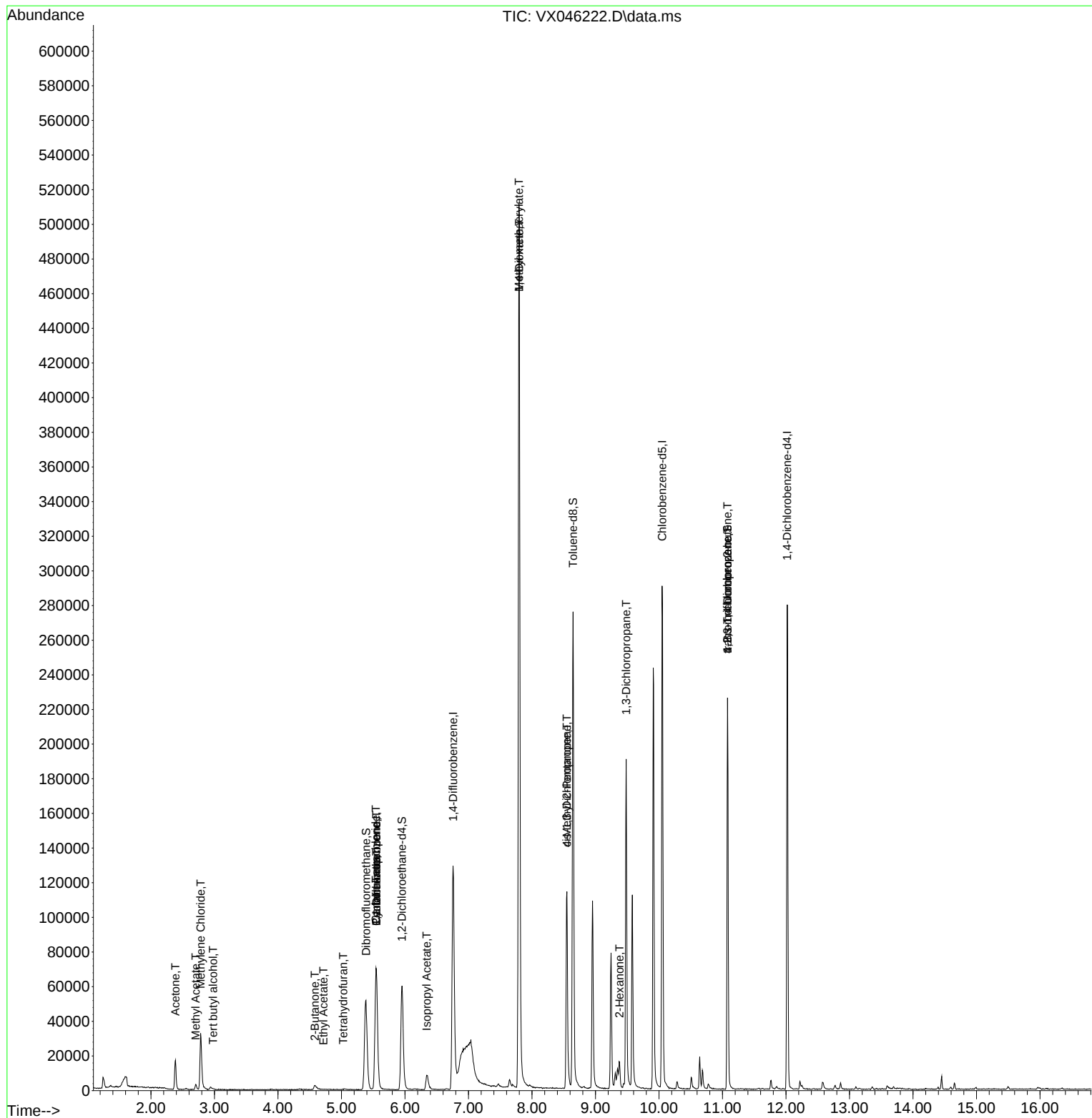
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	691	4.367	ug/l #	72
16) Acetone	2.386	43	18225	40.323	ug/l	98
18) Methyl Acetate	2.703	43	3957	3.773	ug/l	95
20) Methylene Chloride	2.782	84	14929	17.236	ug/l	98
25) 2-Butanone	4.581	43	5693	8.676	ug/l	93
29) Tetrahydrofuran	5.026	42	112	0.272	ug/l #	35
31) Cyclohexane	5.550	56	1773	1.320	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	6080	5.199	ug/l #	51
37) Ethyl Acetate	4.715	43	512	0.354	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7338	5.585	ug/l #	17
43) Isopropyl Acetate	6.342	43	13011	5.903	ug/l	99
48) Methyl methacrylate	7.793	41	51147	45.438	ug/l #	49
49) 1,4-Dioxane	7.800	88	46	2.152	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	44409	30.354	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	17116	13.169	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1610	1.083	ug/l #	42
59) 2-Hexanone	9.378	43	14252	13.167	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	34386	27.857	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34386	90.695	ug/l #	1

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

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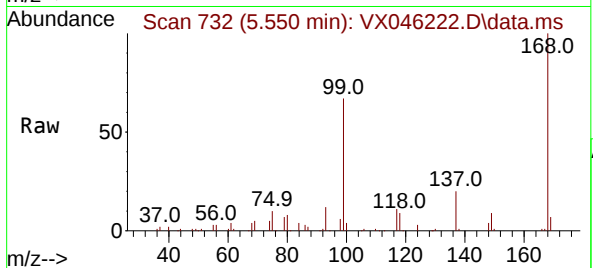
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Quant Title : SW846 8260
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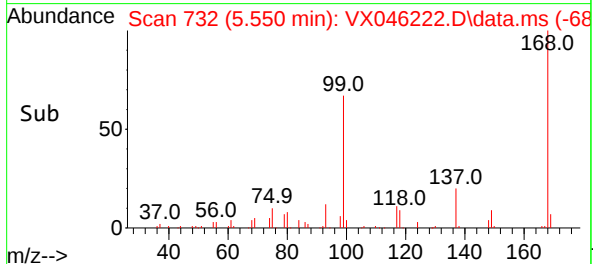
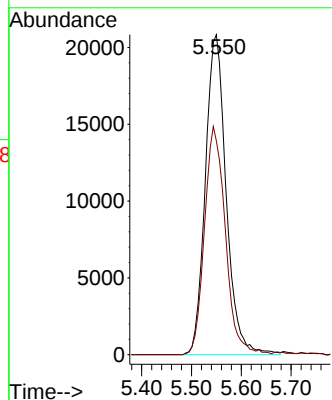


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :

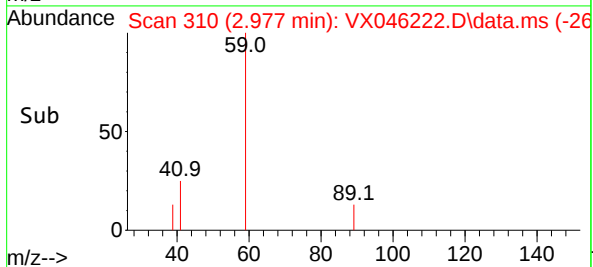
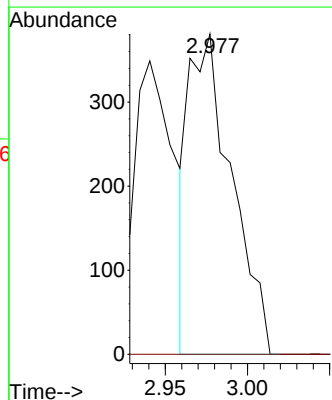
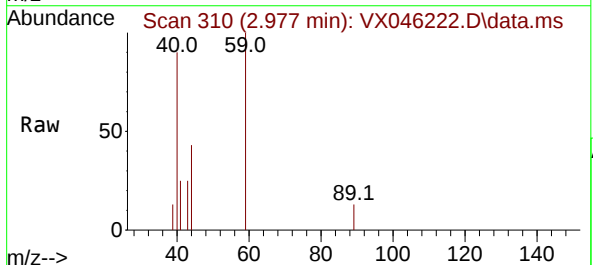


Tgt Ion:168 Resp: 60465
Ion Ratio Lower Upper
168 100
99 66.8 54.9 82.3



#11
Tert butyl alcohol
Concen: 4.367 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

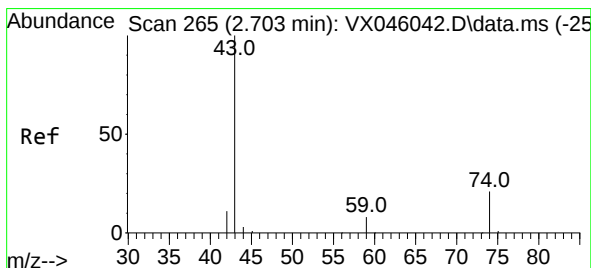
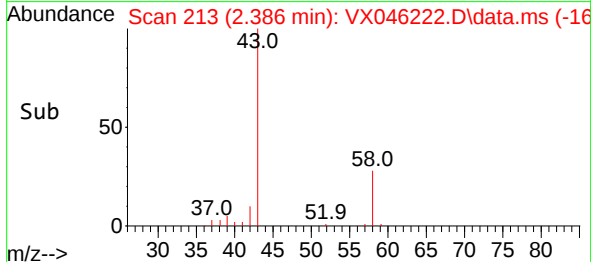
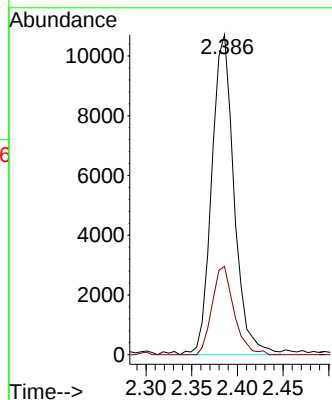
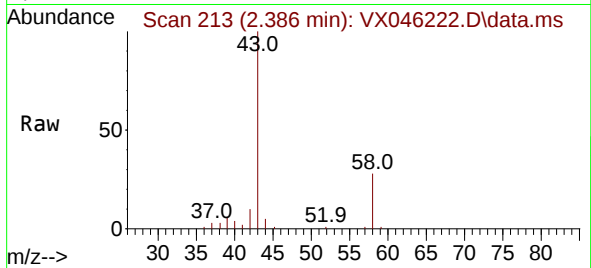




#16
Acetone
Concen: 40.323 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

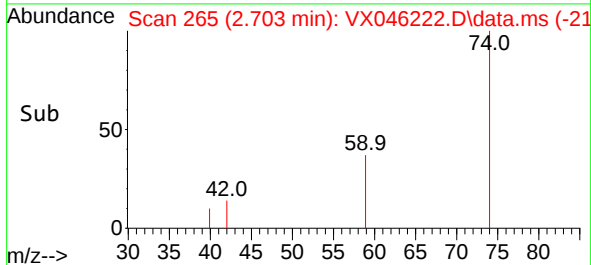
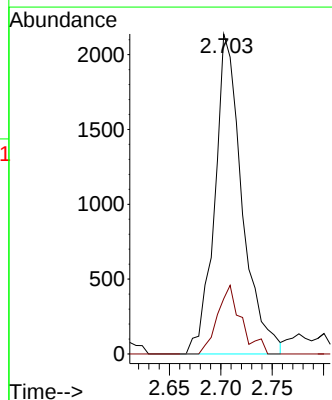
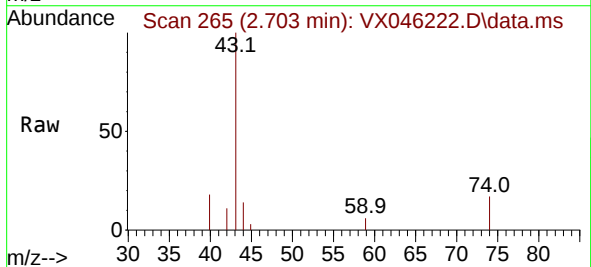
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 18225
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8



#18
Methyl Acetate
Concen: 3.773 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

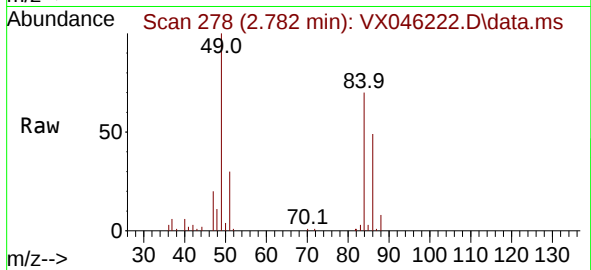
Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
74 18.7 16.7 25.1



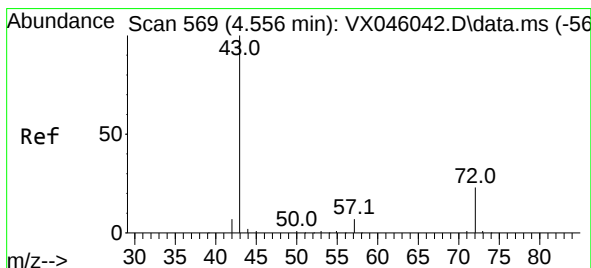
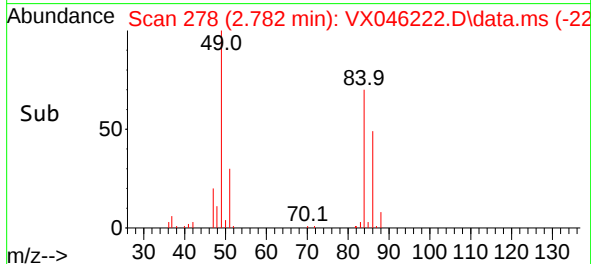
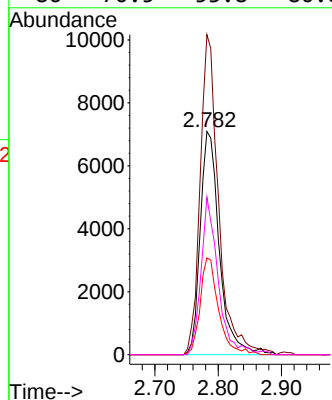


#20
Methylene Chloride
Concen: 17.236 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :

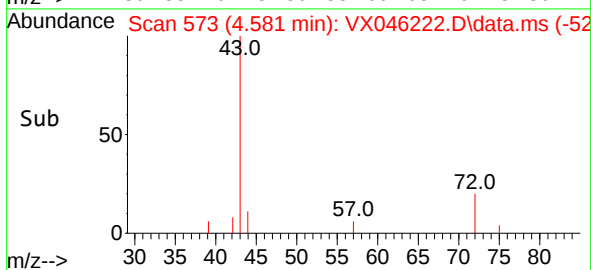
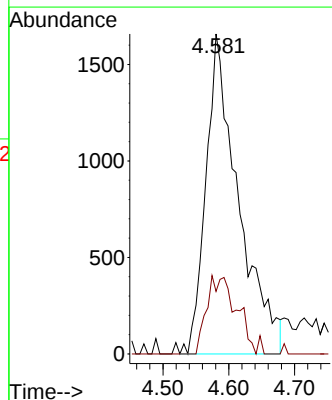
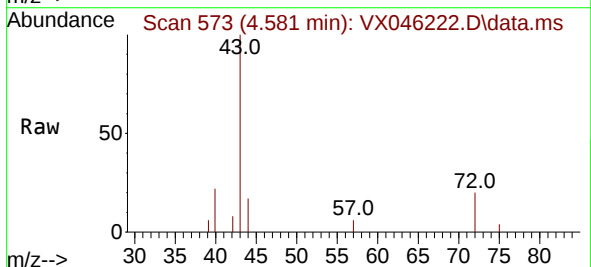


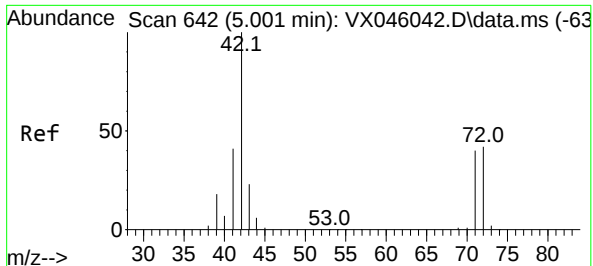
Tgt Ion:	84	Resp:	14929
Ion	Ratio	Lower	Upper
84	100		
49	143.4	113.9	170.9
51	43.4	33.5	50.3
86	70.5	53.8	80.8



#25
2-Butanone
Concen: 8.676 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

Tgt Ion:	43	Resp:	5693
Ion	Ratio	Lower	Upper
43	100		
72	19.5	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.024 min

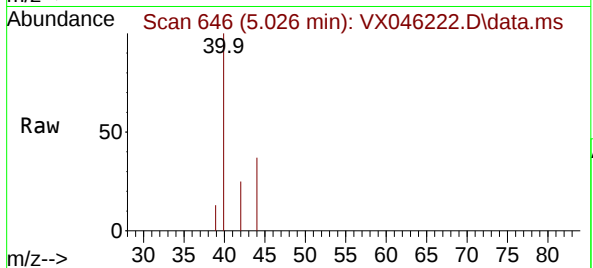
Lab File: VX046222.D

Acq: 15 May 2025 18:28

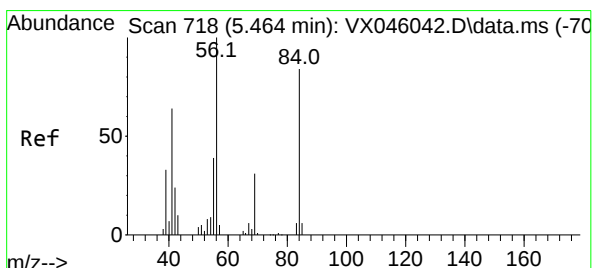
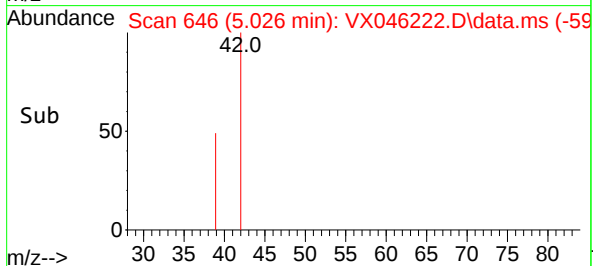
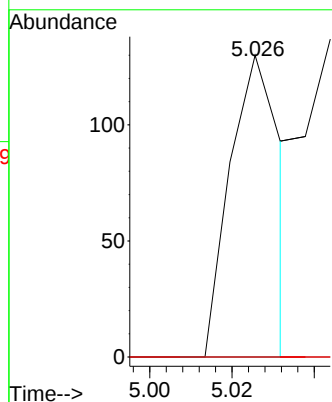
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	112
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.4	47.2#



#31

Cyclohexane

Concen: 1.320 ug/l

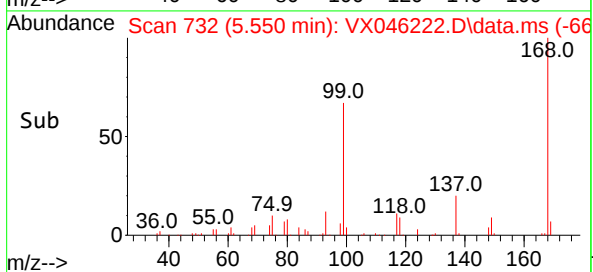
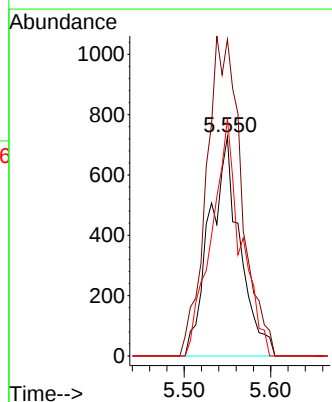
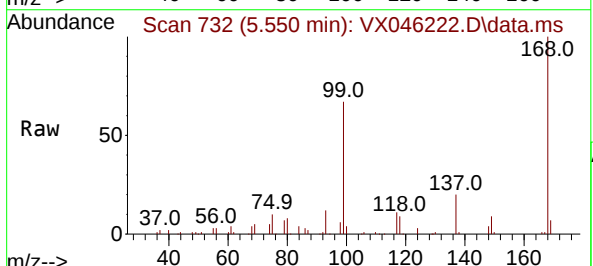
RT: 5.550 min Scan# 732

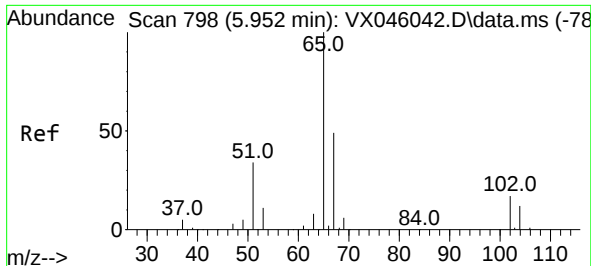
Delta R.T. 0.085 min

Lab File: VX046222.D

Acq: 15 May 2025 18:28

Tgt Ion:	56	Resp:	1773
Ion	Ratio	Lower	Upper
56	100		
69	144.4	24.4	36.6#
84	108.3	66.9	100.3#

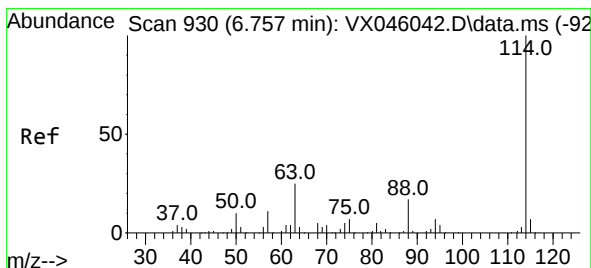
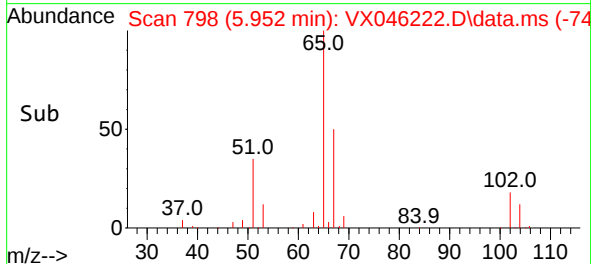
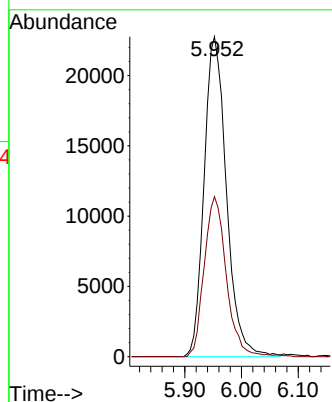
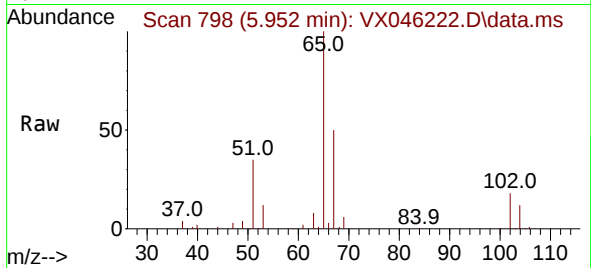




#33
 1,2-Dichloroethane-d4
 Concen: 55.256 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046222.D
 Acq: 15 May 2025 18:28

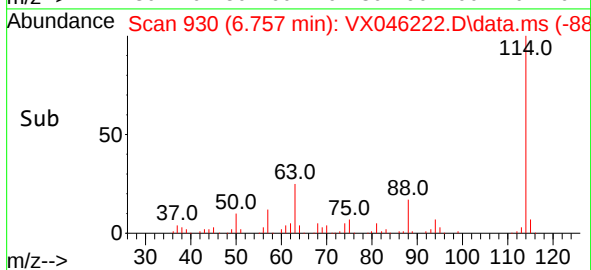
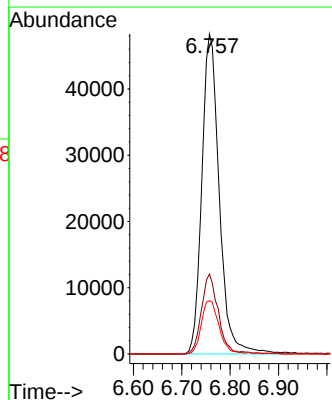
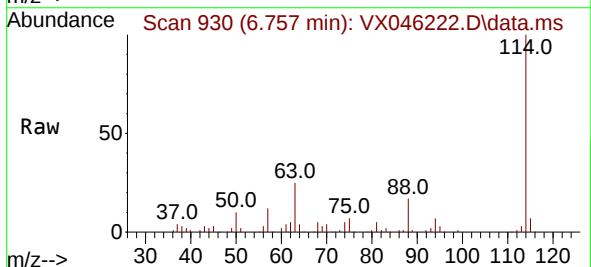
Instrument :
 MSVOA_X
 ClientSampleId :

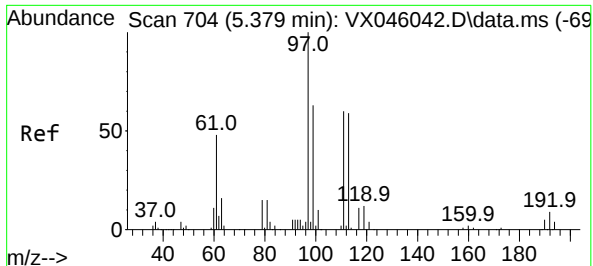
Tgt Ion: 65 Resp: 62288
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046222.D
 Acq: 15 May 2025 18:28

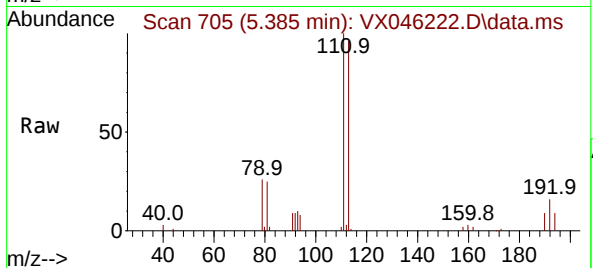
Tgt Ion: 114 Resp: 120862
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.6 0.0 33.6



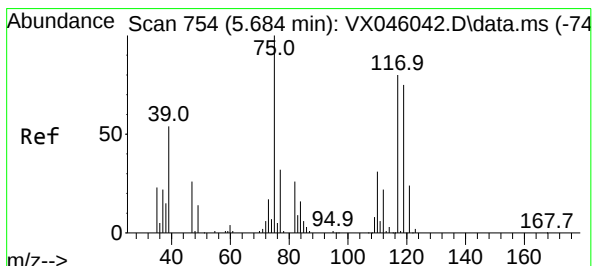
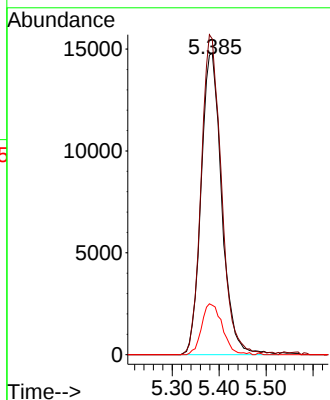
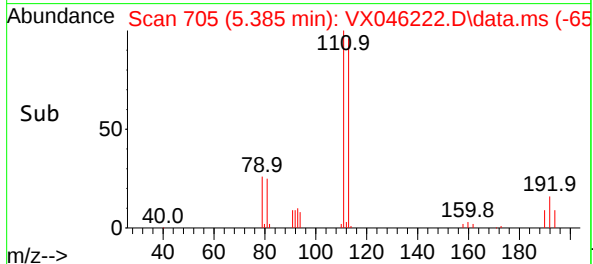


#35
Dibromofluoromethane
Concen: 51.817 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

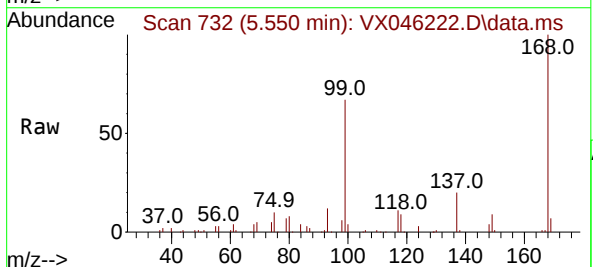
Instrument :
MSVOA_X
ClientSampleId :



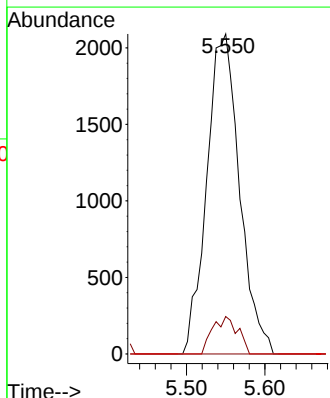
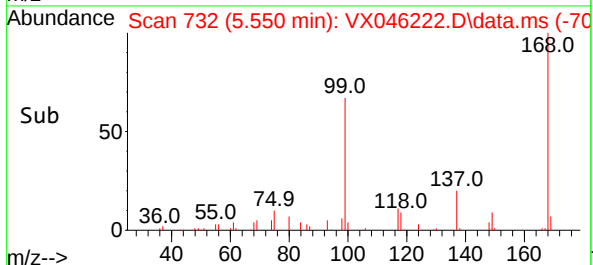
Tgt Ion:113 Resp: 45098
Ion Ratio Lower Upper
113 100
111 104.4 83.1 124.7
192 17.0 13.3 19.9

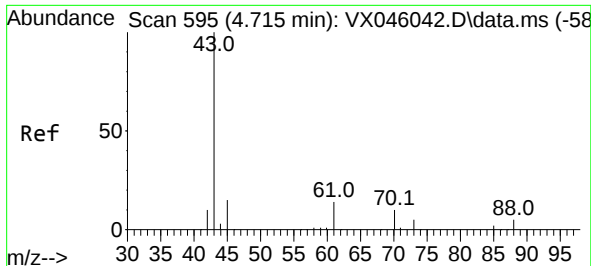


#36
1,1-Dichloropropene
Concen: 5.199 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28



Tgt Ion: 75 Resp: 6080
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.354 ug/l

RT: 4.715 min Scan# 512

Delta R.T. 0.000 min

Lab File: VX046222.D

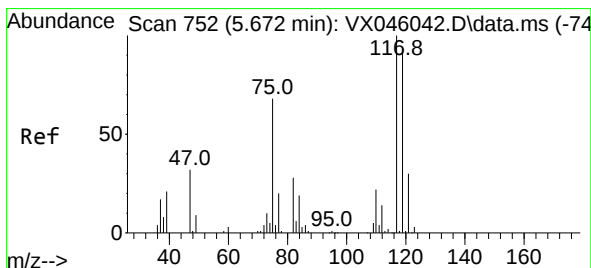
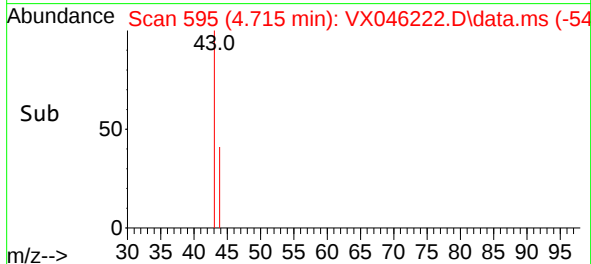
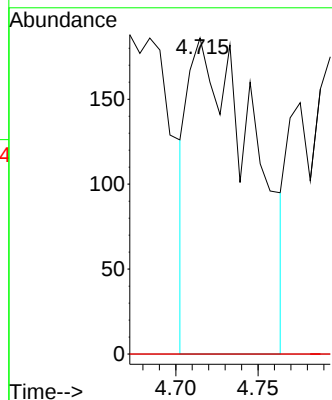
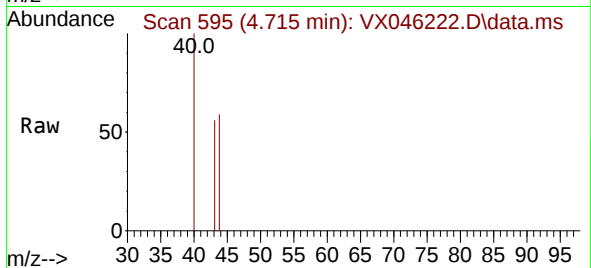
Acq: 15 May 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	512
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.585 ug/l

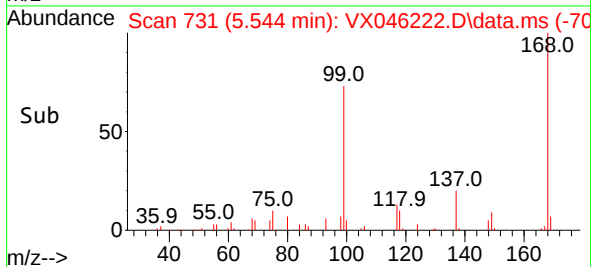
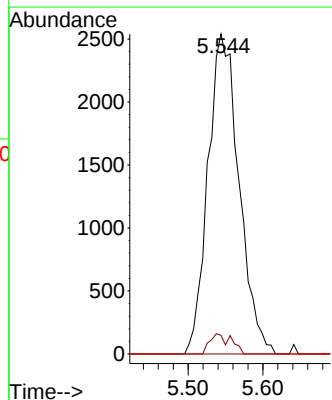
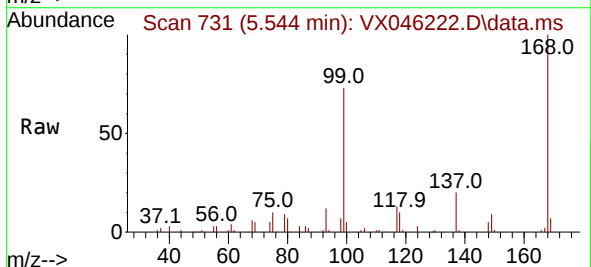
RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046222.D

Acq: 15 May 2025 18:28

Tgt Ion:	117	Resp:	7338
Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.2	112.8#
121	0.0	24.2	36.4#





#43

Isopropyl Acetate

Concen: 5.903 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX046222.D

Acq: 15 May 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

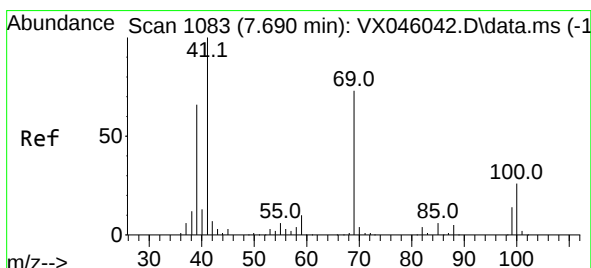
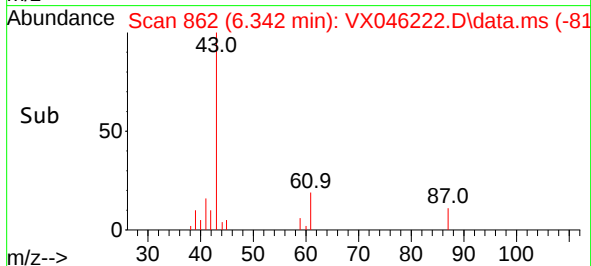
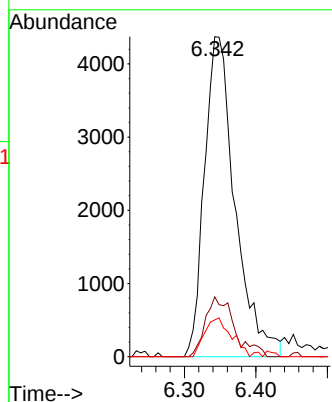
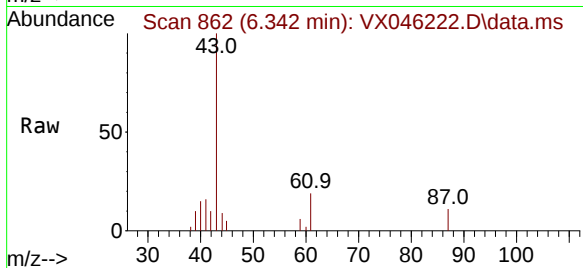
Tgt Ion: 43 Resp: 13011

Ion Ratio Lower Upper

43 100

61 17.7 14.3 21.5

87 10.7 9.5 14.3



#48

Methyl methacrylate

Concen: 45.438 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX046222.D

Acq: 15 May 2025 18:28

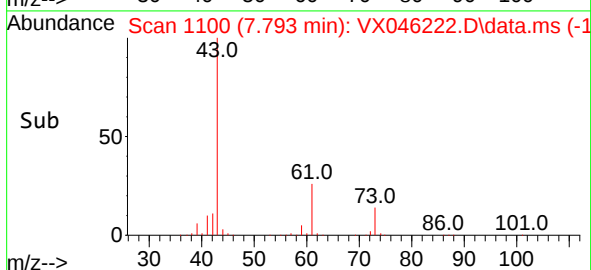
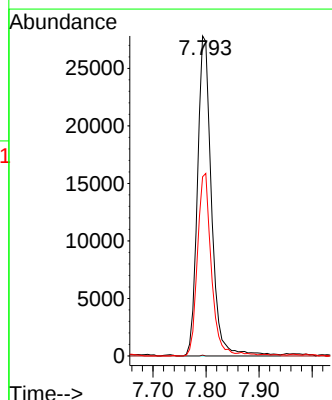
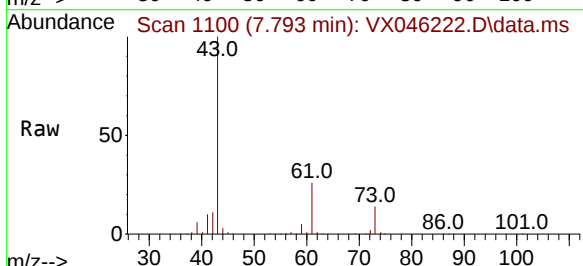
Tgt Ion: 41 Resp: 51147

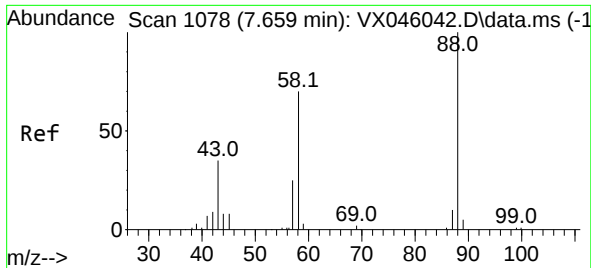
Ion Ratio Lower Upper

41 100

69 0.1 58.5 87.7#

39 55.8 51.7 77.5

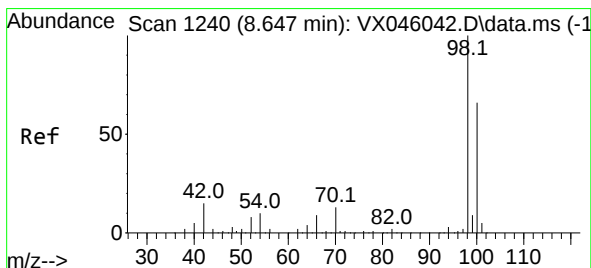
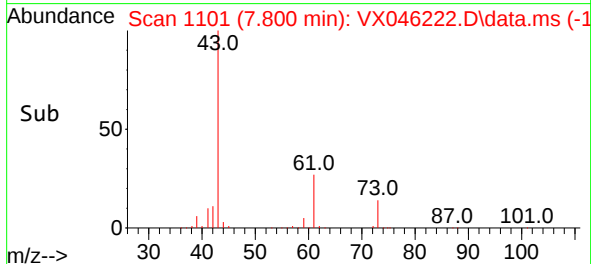
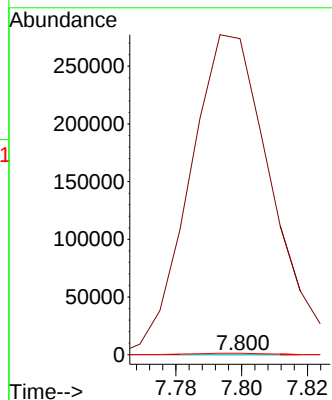
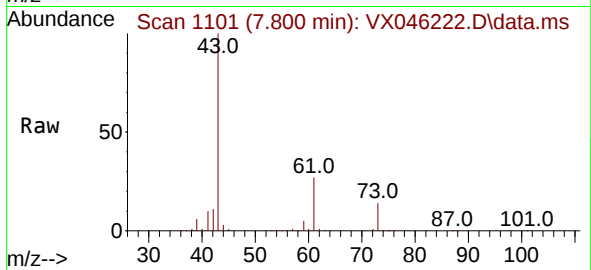




#49
1,4-Dioxane
Concen: 2.152 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

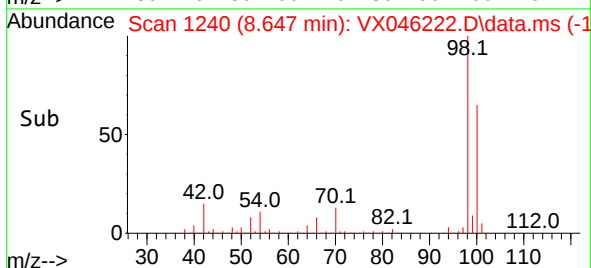
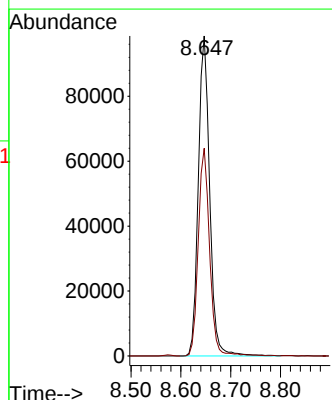
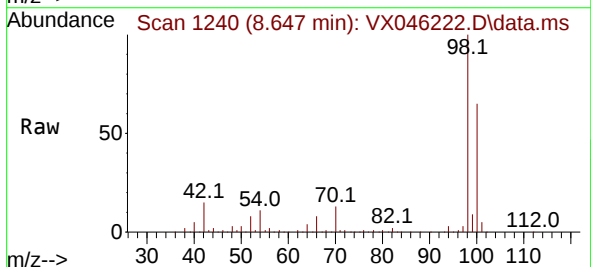
Instrument :
MSVOA_X
ClientSampleId :

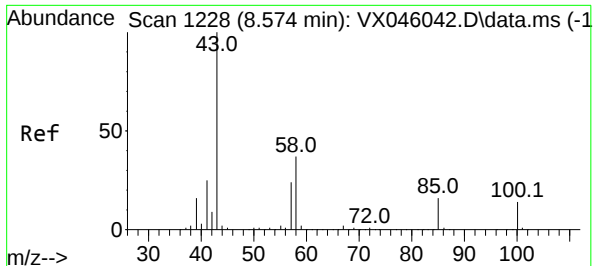
Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 1076165.2 33.4 50.2#
58 4787.0 58.6 88.0#



#50
Toluene-d8
Concen: 51.752 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

Tgt Ion: 98 Resp: 155895
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3

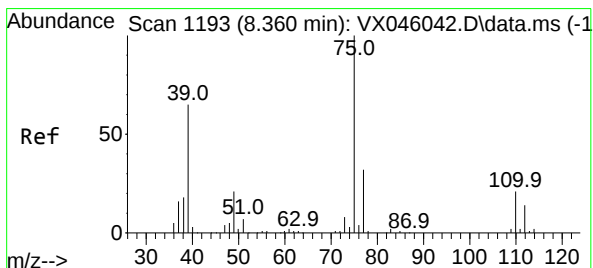
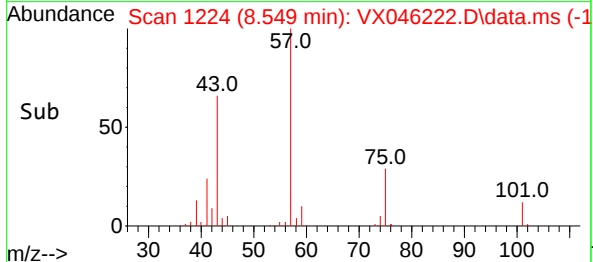
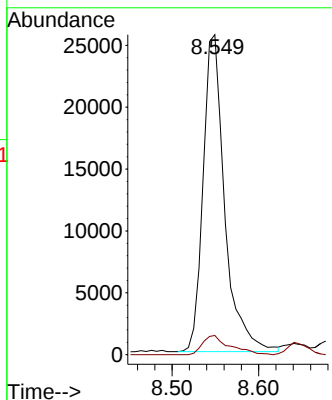
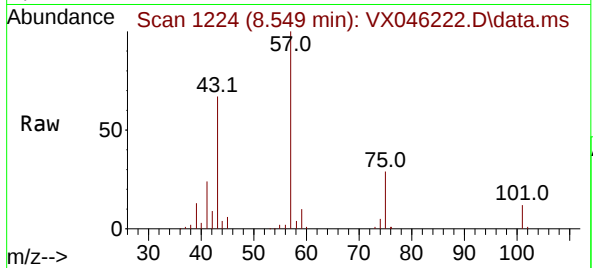




#51
4-Methyl-2-Pentanone
Concen: 30.354 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

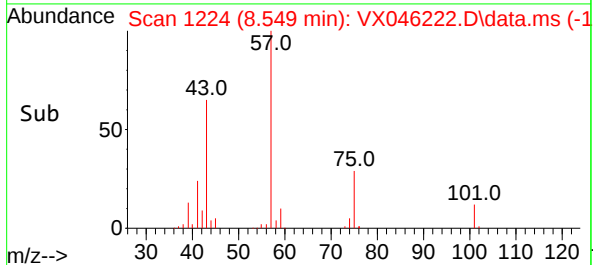
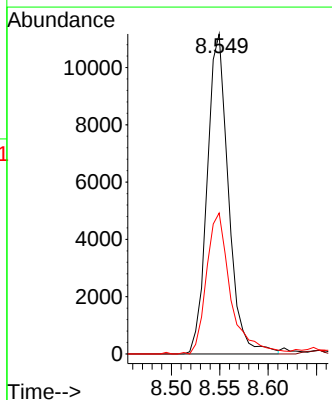
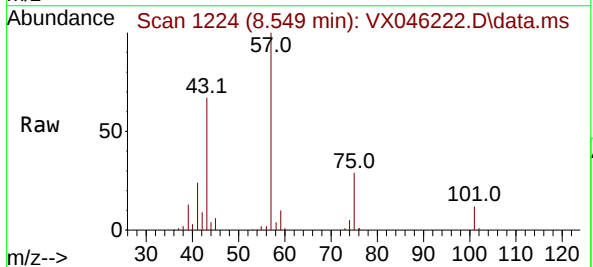
Instrument :
MSVOA_X
ClientSampleId :

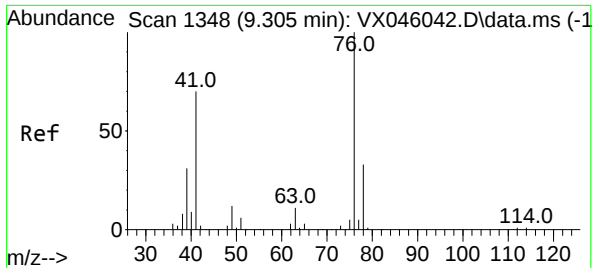
Tgt Ion: 43 Resp: 44409
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 13.169 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

Tgt Ion: 75 Resp: 17116
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 44.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 1.083 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX046222.D

Acq: 15 May 2025 18:28

Instrument :

MSVOA_X

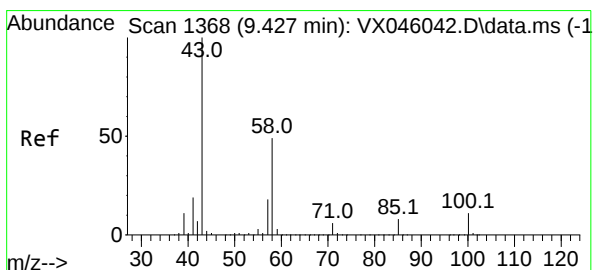
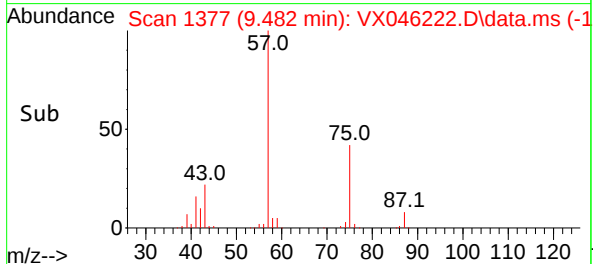
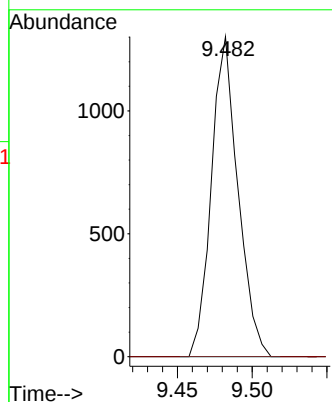
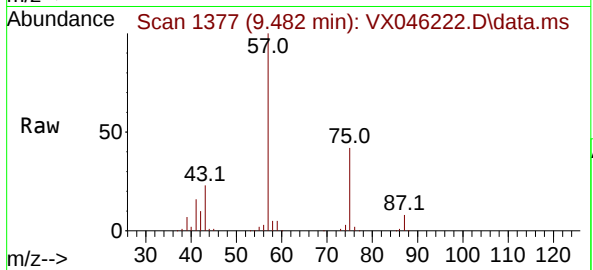
ClientSampleId :

Tgt Ion: 76 Resp: 1610

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 13.167 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046222.D

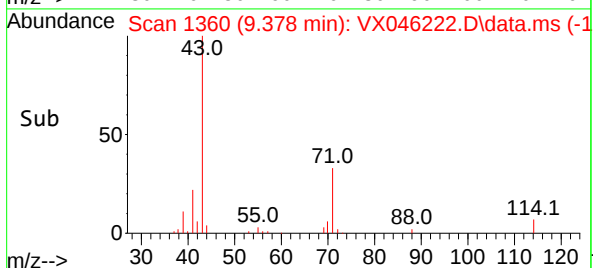
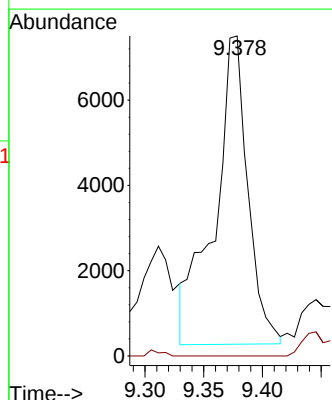
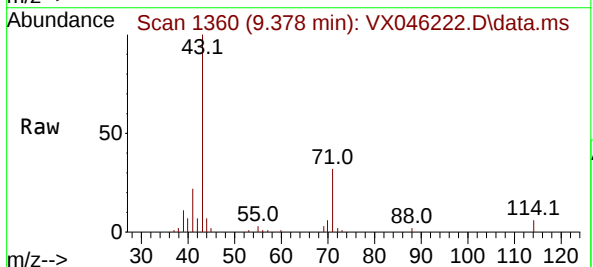
Acq: 15 May 2025 18:28

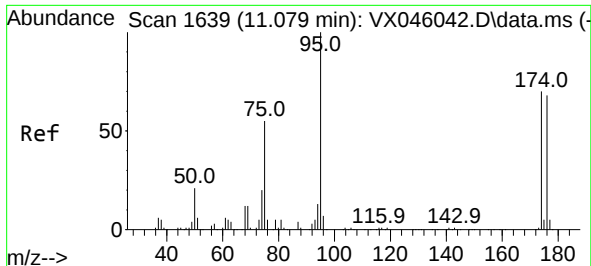
Tgt Ion: 43 Resp: 14252

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

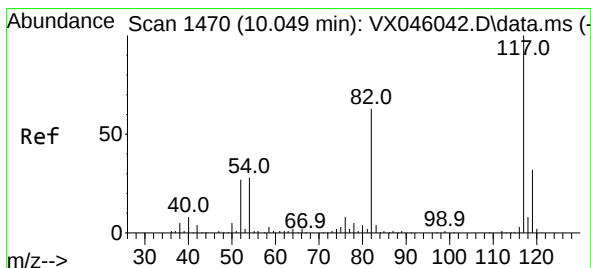
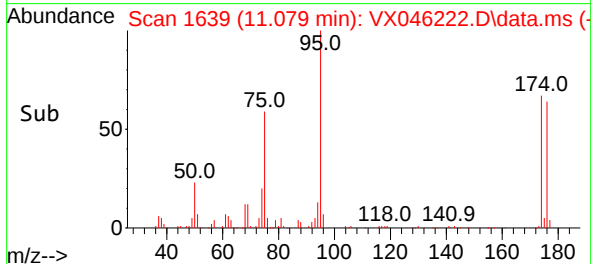
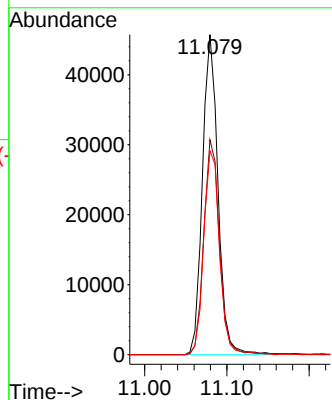
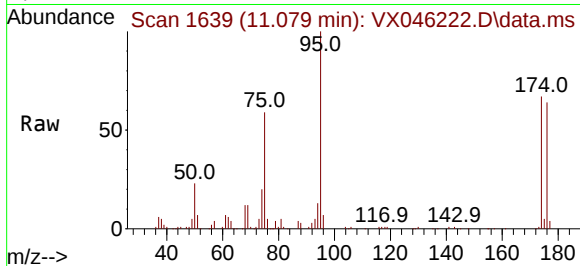




#62
4-Bromofluorobenzene
Concen: 52.007 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

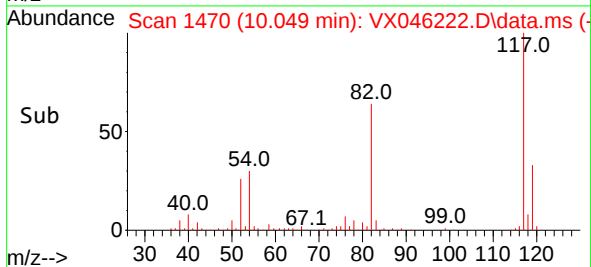
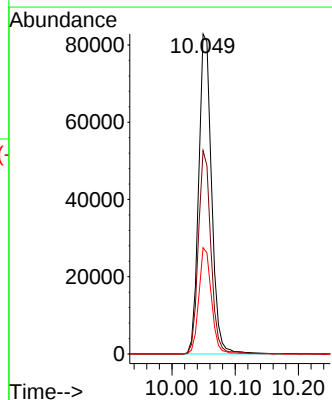
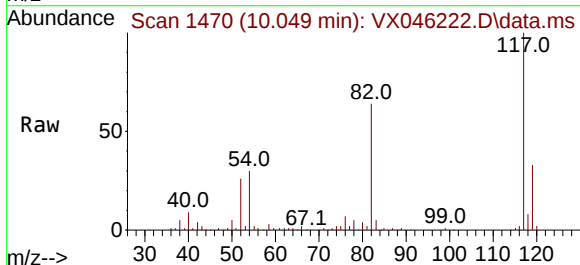
Instrument :
MSVOA_X
ClientSampleId :

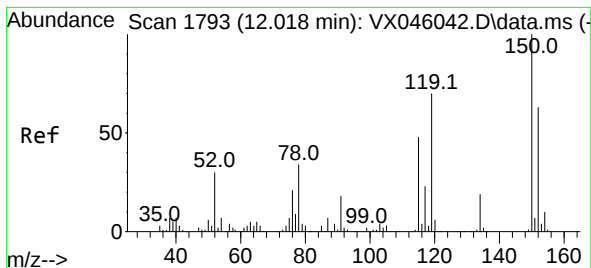
Tgt Ion: 95 Resp: 60094
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.8
176 64.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046222.D
Acq: 15 May 2025 18:28

Tgt Ion: 117 Resp: 117783
Ion Ratio Lower Upper
117 100
82 63.5 50.6 76.0
119 33.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046222.D

Acq: 15 May 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

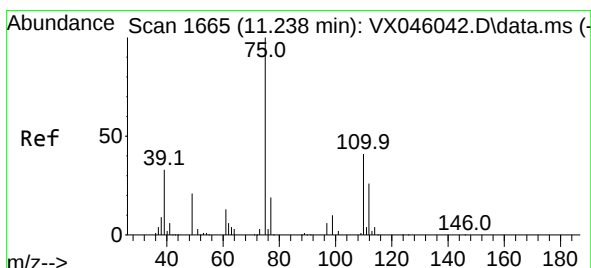
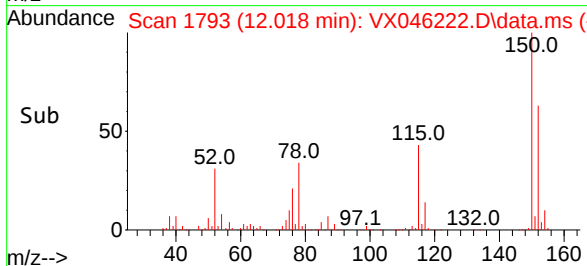
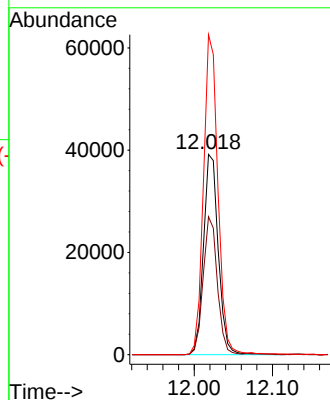
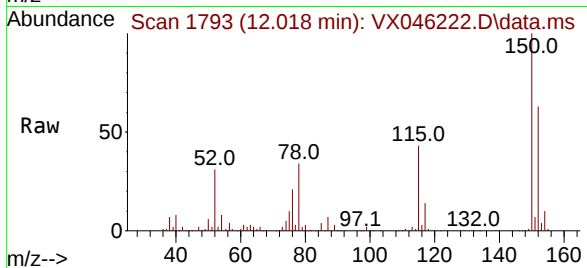
Tgt Ion:152 Resp: 51281

Ion Ratio Lower Upper

152 100

115 66.8 46.9 140.7

150 156.1 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 27.857 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX046222.D

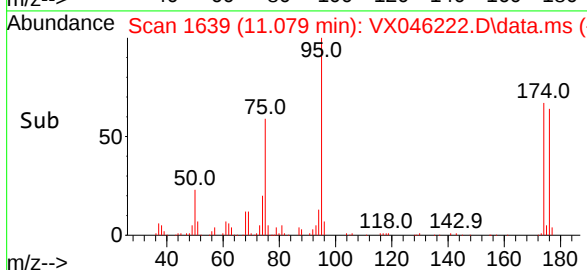
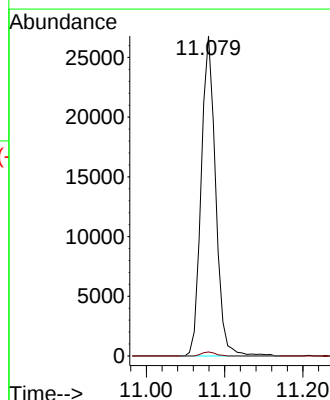
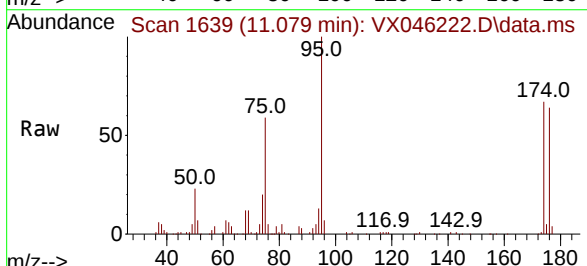
Acq: 15 May 2025 18:28

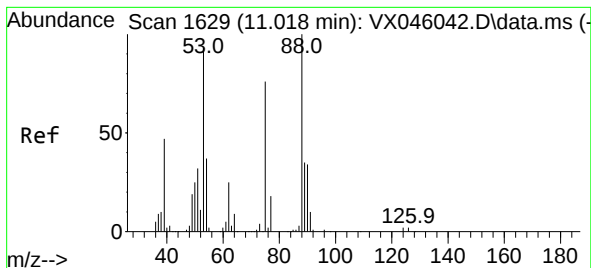
Tgt Ion: 75 Resp: 34386

Ion Ratio Lower Upper

75 100

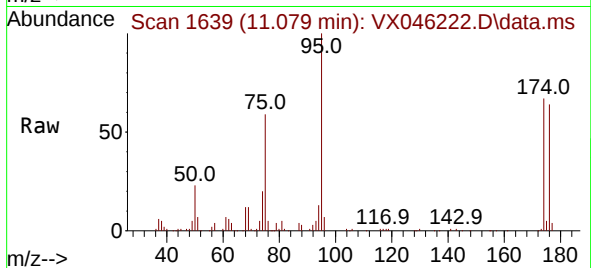
77 1.2 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.695 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046222.D
 Acq: 15 May 2025 18:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 34386
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

