

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046825.D
 Acq On : 23 Jun 2025 16:59
 Operator : JC/MD
 Sample : Q2371-05 1000X
 Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

Quant Time: Jun 24 04:10:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

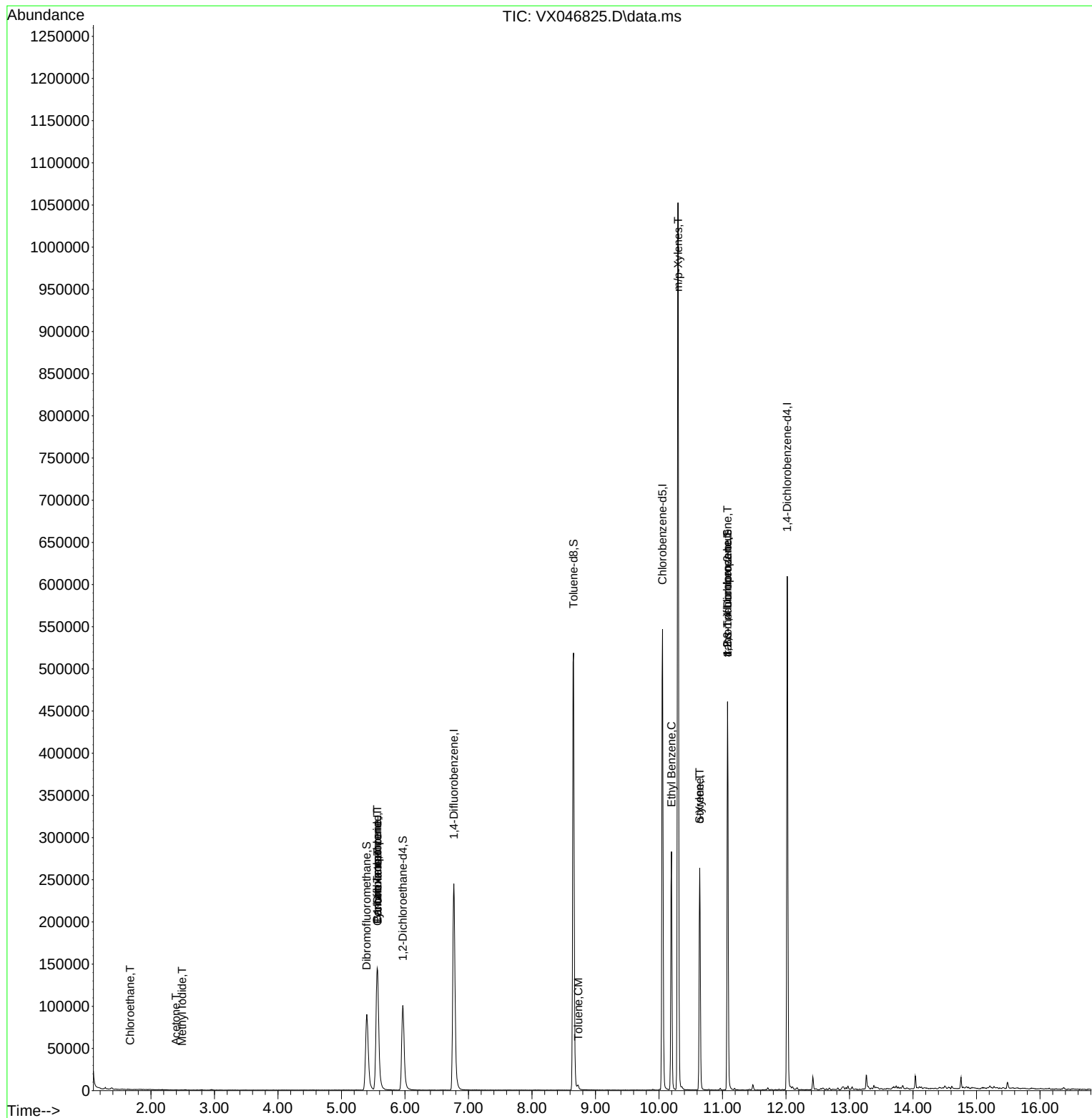
Internal Standards						
1) Pentafluorobenzene	5.562	168	152903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	268363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102634	48.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.060%		
35) Dibromofluoromethane	5.397	113	85509	48.158	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.320%		
50) Toluene-d8	8.653	98	321612	50.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.840%		
62) 4-Bromofluorobenzene	11.079	95	122699	51.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.200%		
Target Compounds						Qvalue
6) Chloroethane	1.673	64	314	0.276	ug/l #	41
10) Methyl Iodide	2.489	142	126	4.386	ug/l #	38
16) Acetone	2.392	43	386	0.547	ug/l #	44
31) Cyclohexane	5.568	56	3201	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11923	4.652	ug/l #	51
38) Carbon Tetrachloride	5.562	117	15350	5.518	ug/l #	17
52) Toluene	8.726	92	2257	0.480	ug/l	99
67) Ethyl Benzene	10.195	91	160219	16.862	ug/l	100
68) m/p-Xylenes	10.299	106	235578	66.539	ug/l	99
69) o-Xylene	10.640	106	57218	17.245	ug/l	100
70) Styrene	10.640	104	2994	0.516	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	61813	27.164	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	61813	76.780	ug/l #	7

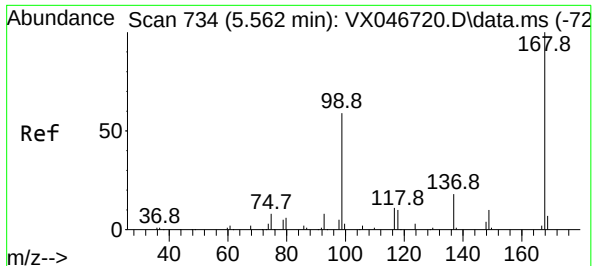
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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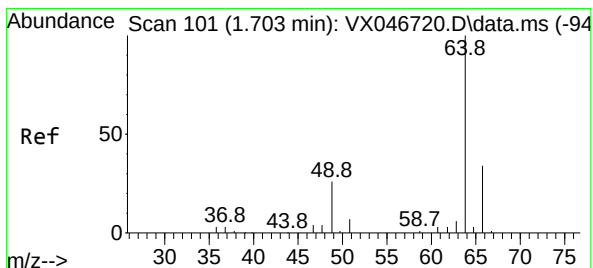
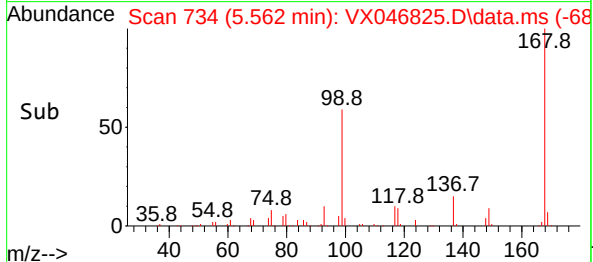
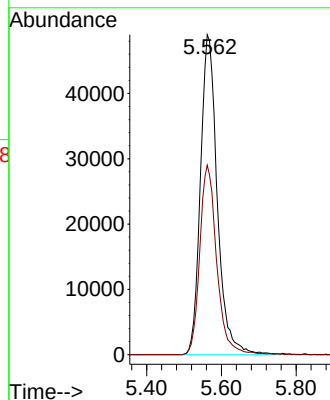
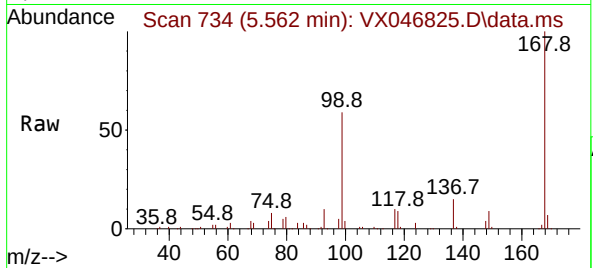




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

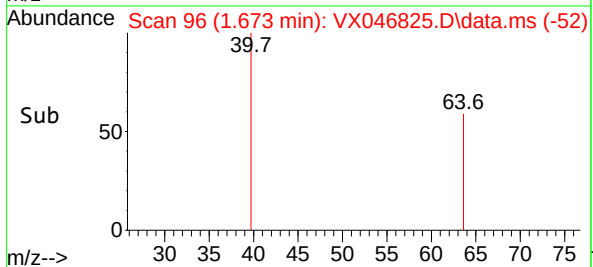
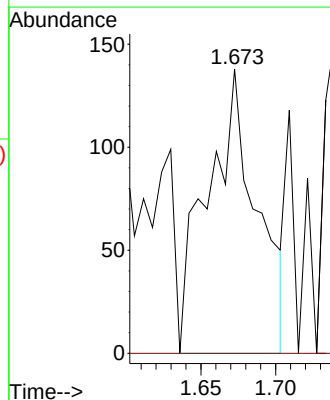
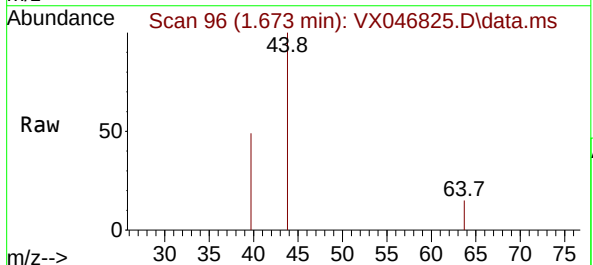
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

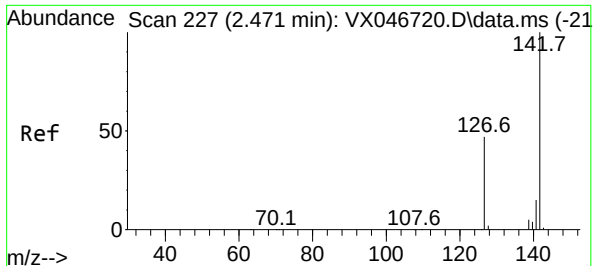
Tgt Ion:168 Resp: 152903
Ion Ratio Lower Upper
168 100
99 59.2 48.5 72.7



#6
Chloroethane
Concen: 0.276 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.030 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 64 Resp: 314
Ion Ratio Lower Upper
64 100
66 0.0 27.1 40.7#

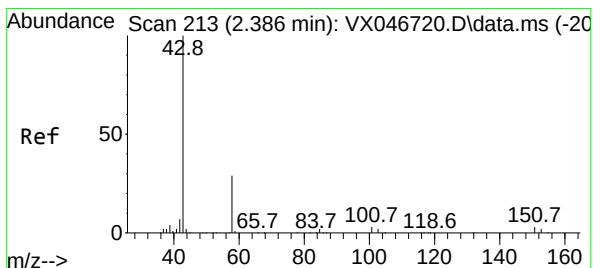
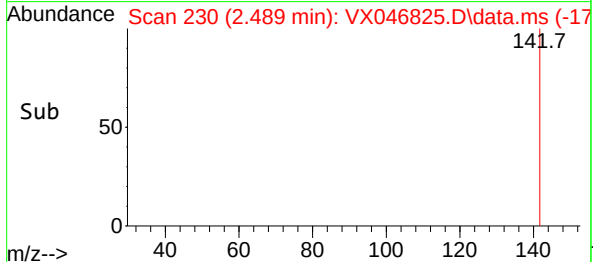
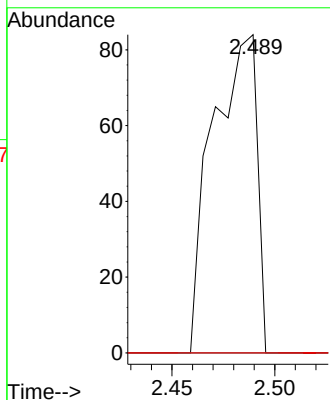
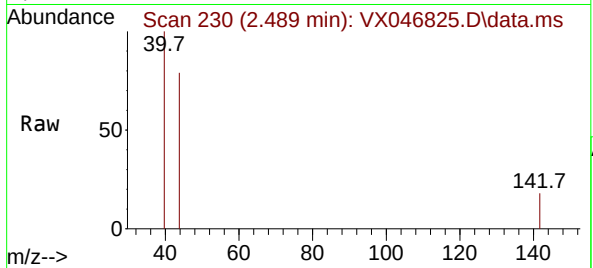




#10
Methyl Iodide
Concen: 4.386 ug/l
RT: 2.489 min Scan# 214
Delta R.T. 0.018 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

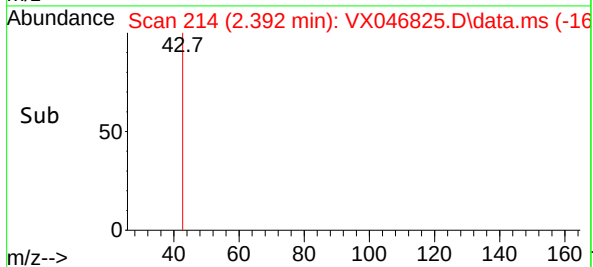
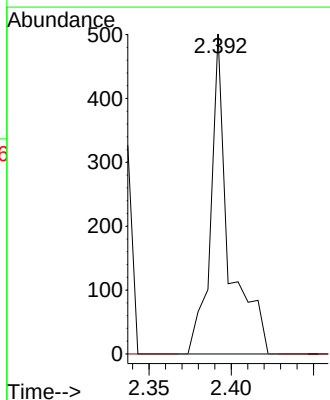
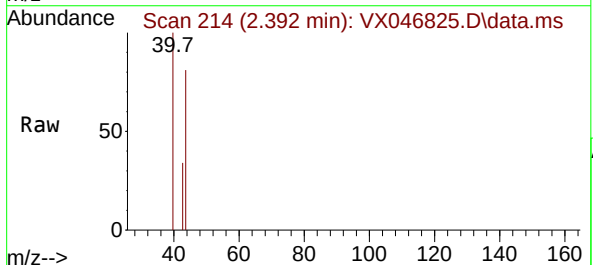
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

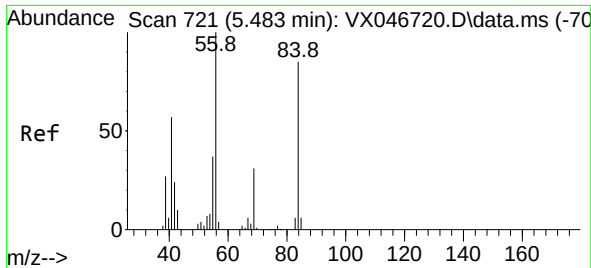
Tgt Ion:142 Resp: 126
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 0.547 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#

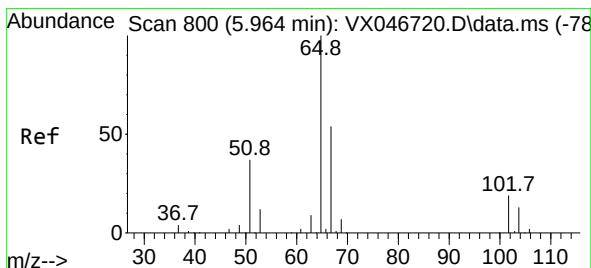
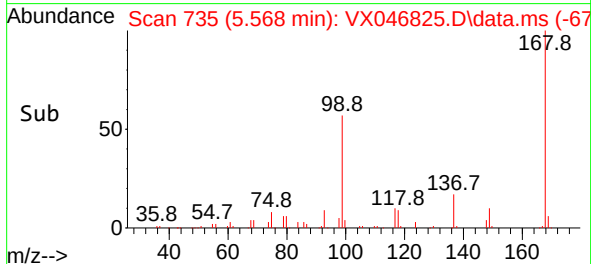
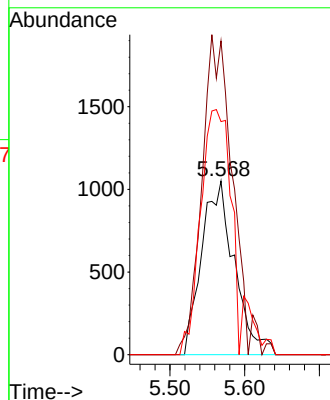
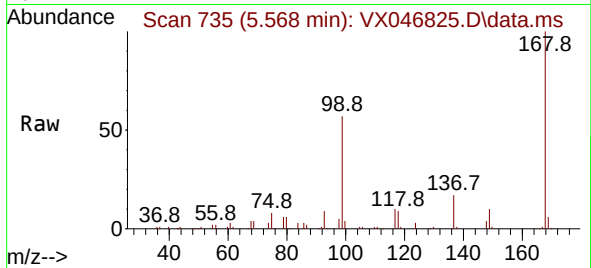




#31
Cyclohexane
Concen: 1.011 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

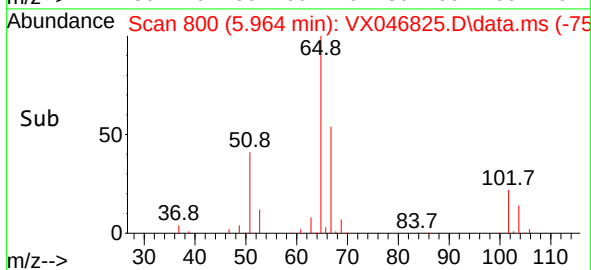
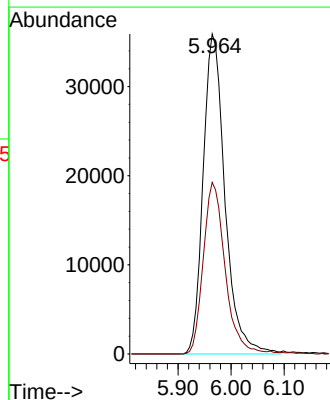
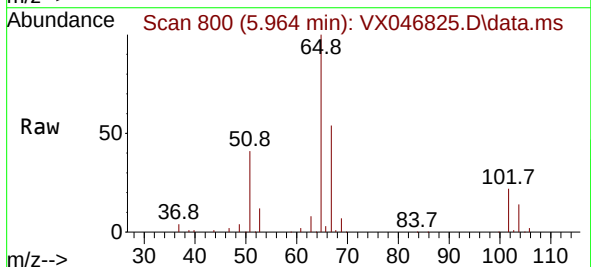
Instrument :
MSVOA_X
ClientSampleId :
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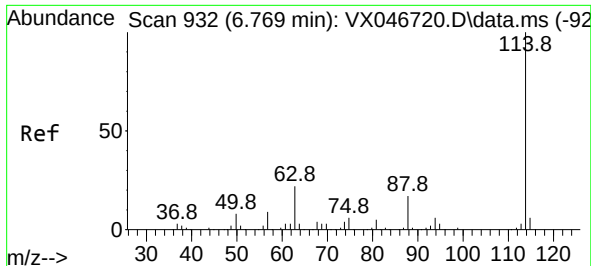
Tgt Ion: 56 Resp: 3201
Ion Ratio Lower Upper
56 100
69 180.8 24.8 37.2#
84 134.3 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 48.529 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 65 Resp: 102634
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.4

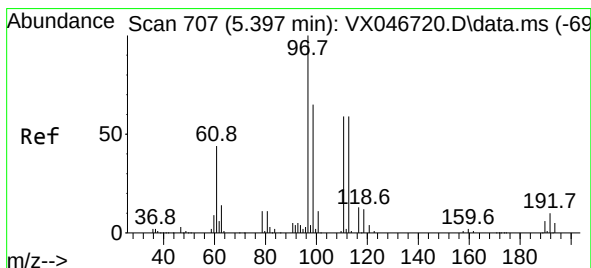
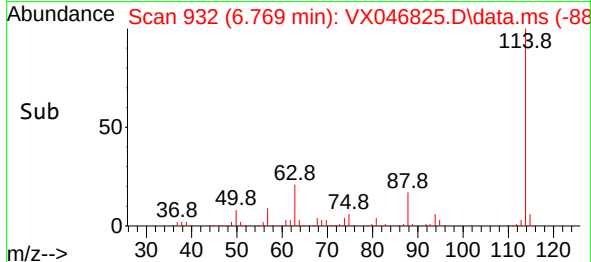
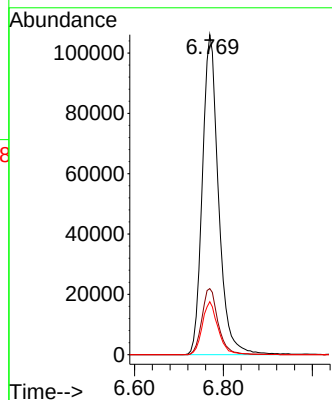
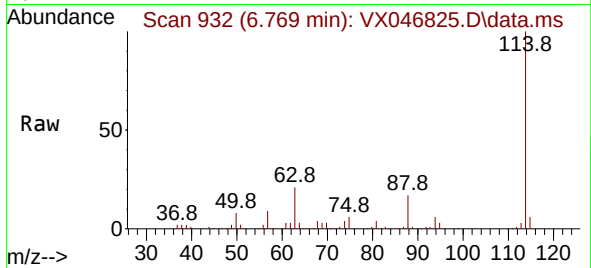




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

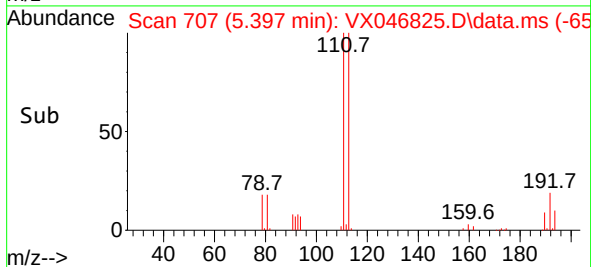
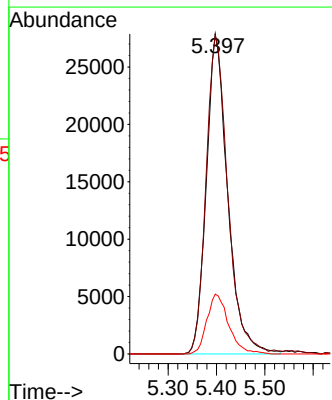
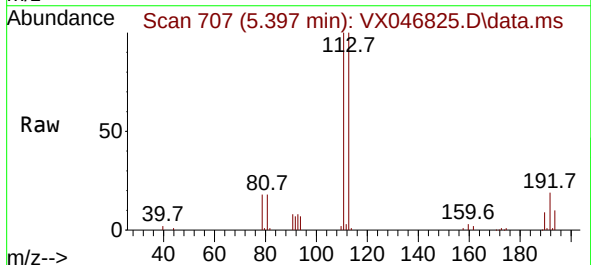
Instrument :
MSVOA_X
ClientSampleId :
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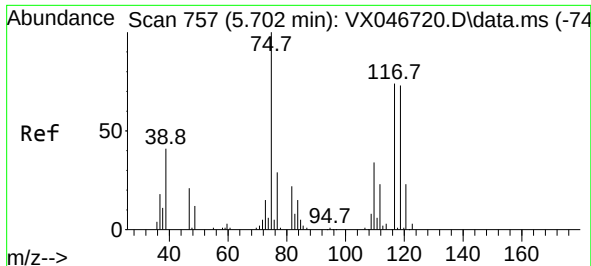
Tgt Ion:114 Resp: 268363
Ion Ratio Lower Upper
114 100
63 20.6 0.0 44.2
88 16.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.158 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:113 Resp: 85509
Ion Ratio Lower Upper
113 100
111 101.1 82.0 123.0
192 19.1 15.3 22.9

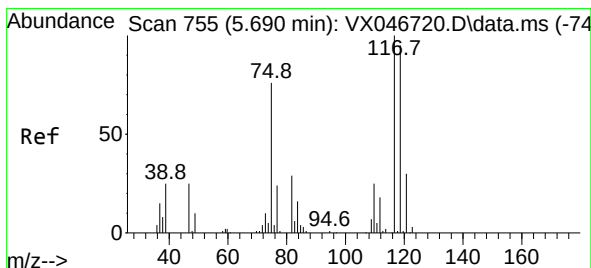
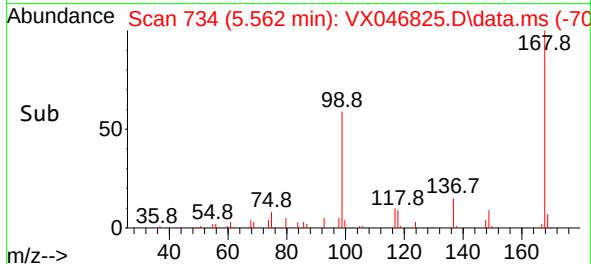
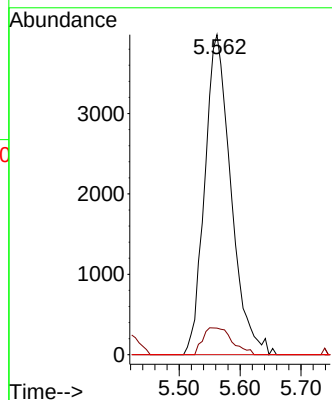
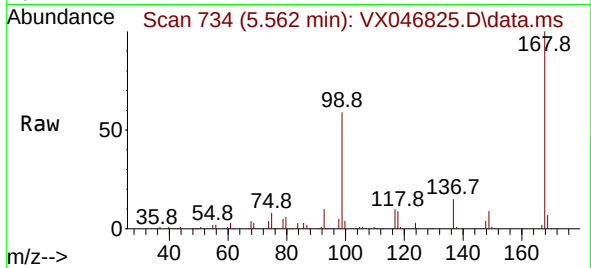




#36
1,1-Dichloropropene
Concen: 4.652 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

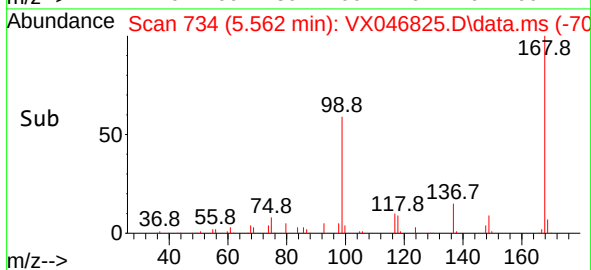
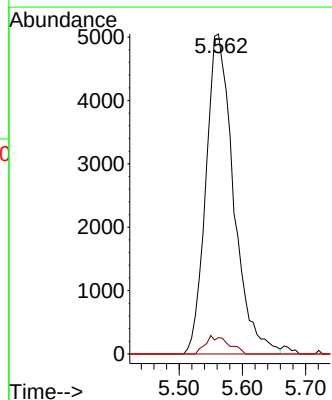
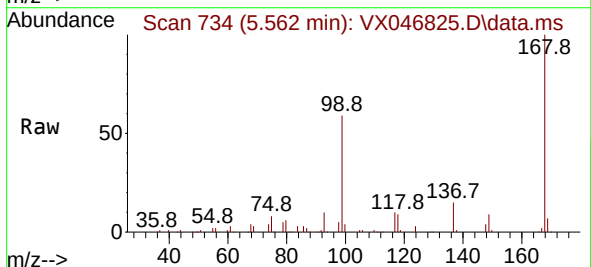
Instrument :
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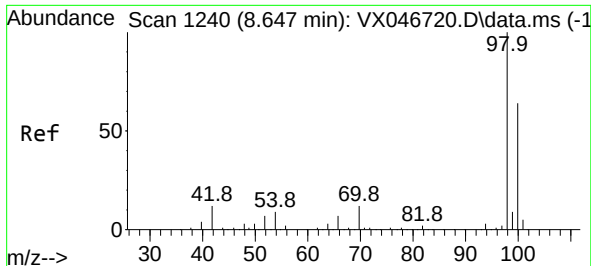
Tgt Ion: 75 Resp: 11923
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.5#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.518 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 117 Resp: 15350
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 24.1 36.1#

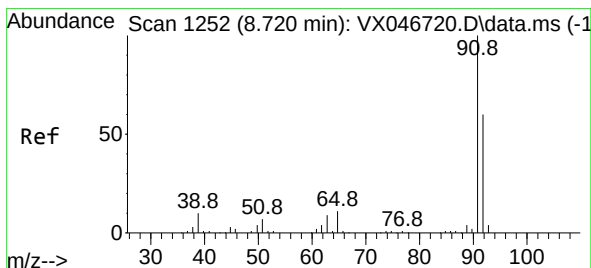
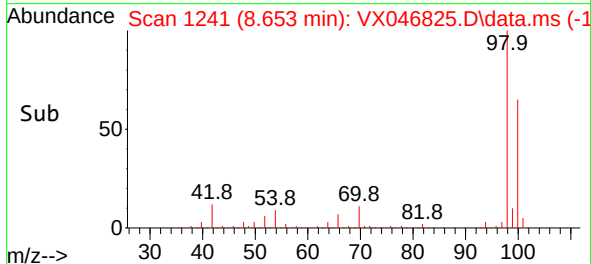
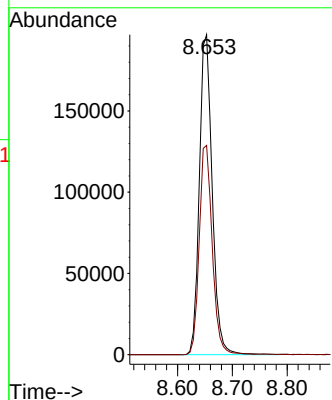
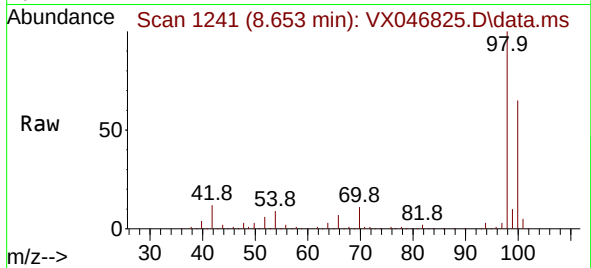




#50
Toluene-d8
Concen: 50.415 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

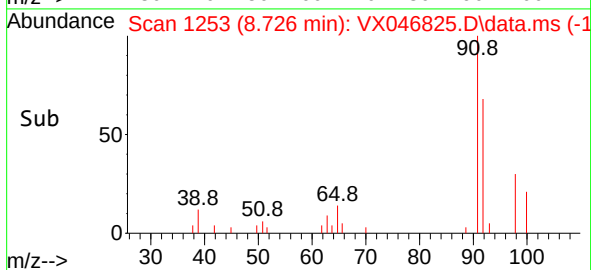
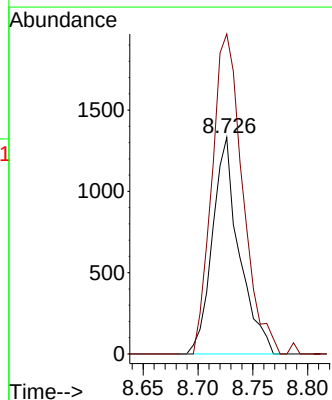
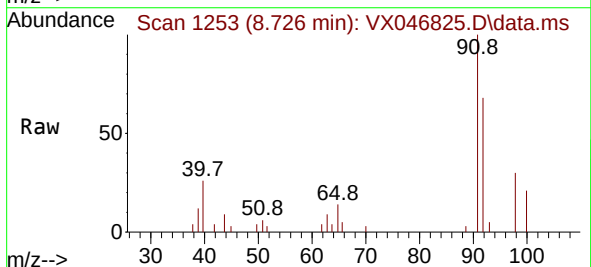
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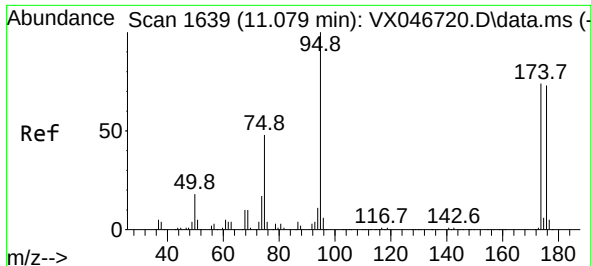
Tgt Ion: 98 Resp: 321612
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#52
Toluene
Concen: 0.480 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 92 Resp: 2257
Ion Ratio Lower Upper
92 100
91 169.6 134.8 202.2

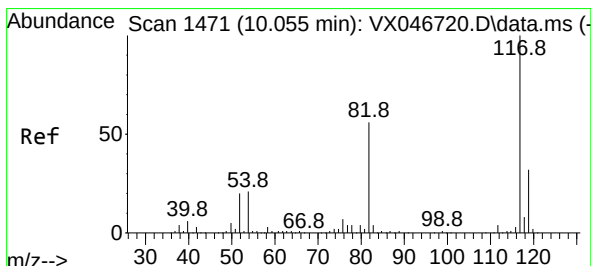
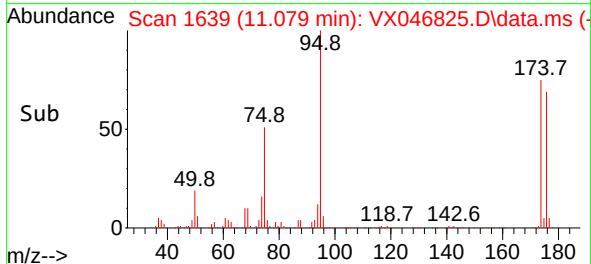
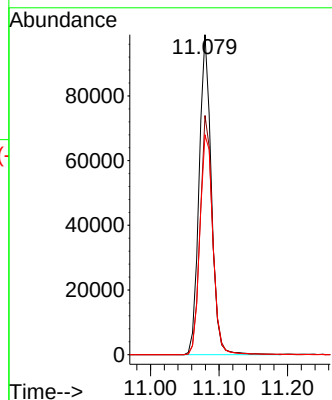
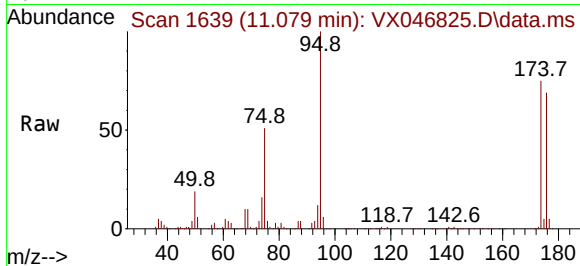




#62
4-Bromofluorobenzene
Concen: 51.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

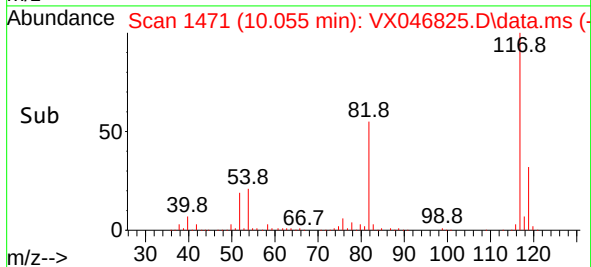
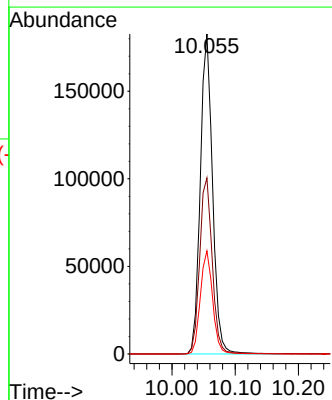
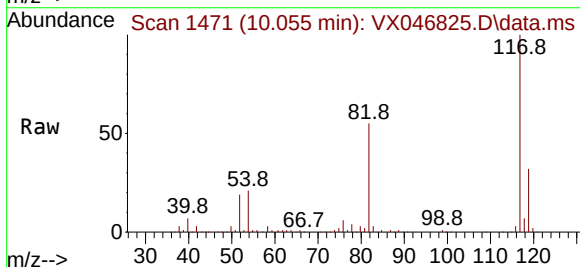
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

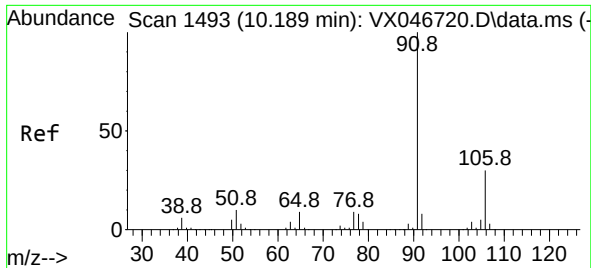
Tgt Ion: 95 Resp: 122699
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.4
176 73.9 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 117 Resp: 246351
Ion Ratio Lower Upper
117 100
82 55.0 44.6 66.8
119 32.2 25.8 38.8

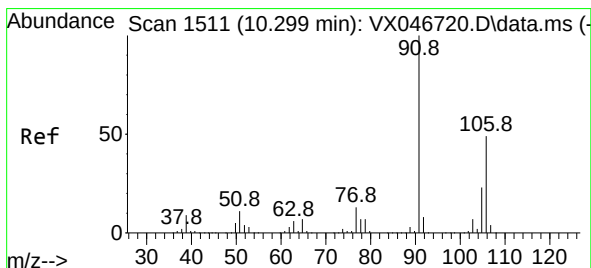
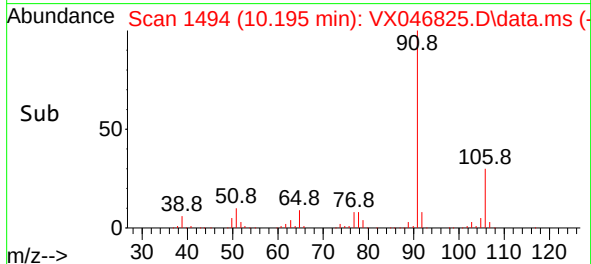
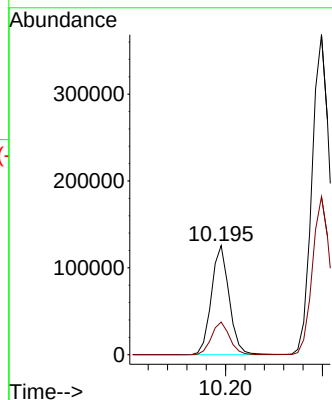
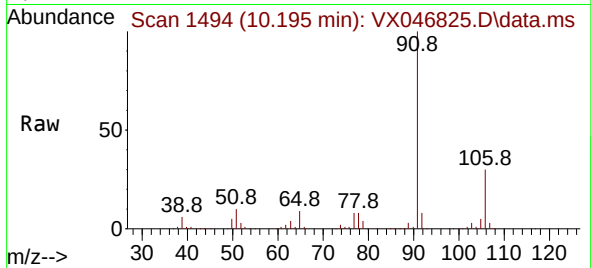




#67
Ethyl Benzene
Concen: 16.862 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

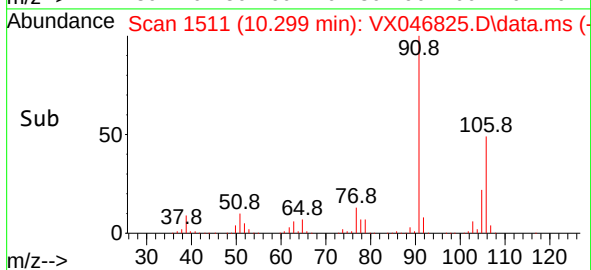
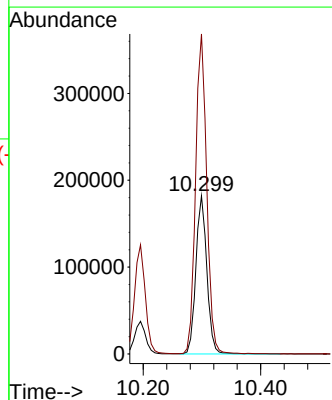
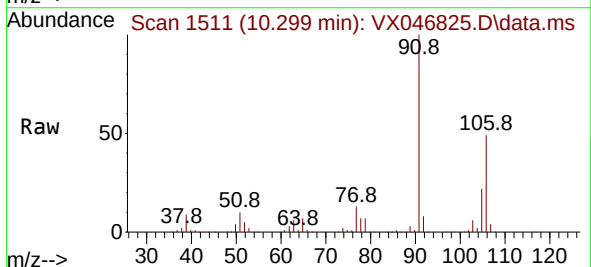
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

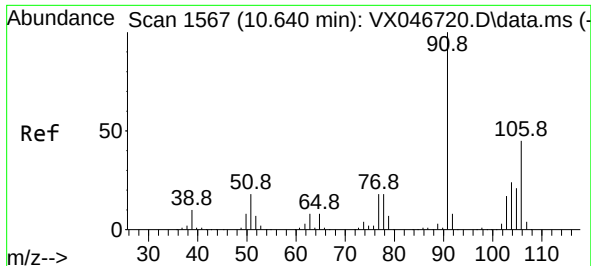
Tgt Ion: 91 Resp: 160219
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2



#68
m/p-Xylenes
Concen: 66.539 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:106 Resp: 235578
Ion Ratio Lower Upper
106 100
91 204.4 164.8 247.2





#69

o-Xylene

Concen: 17.245 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX046825.D

Acq: 23 Jun 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

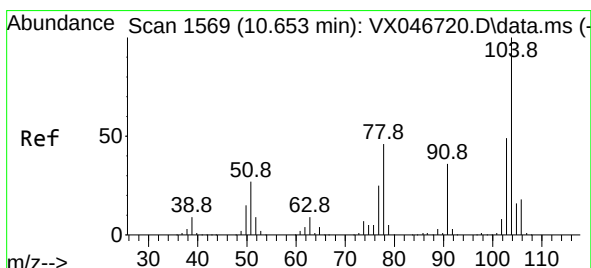
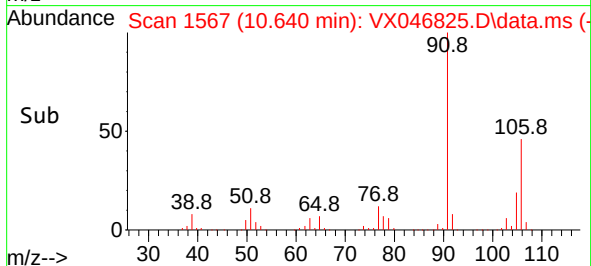
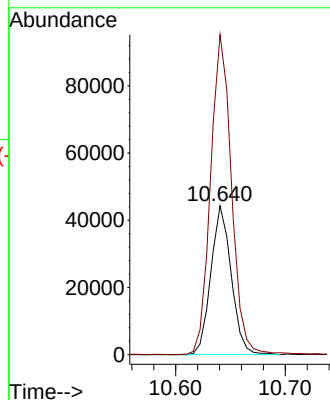
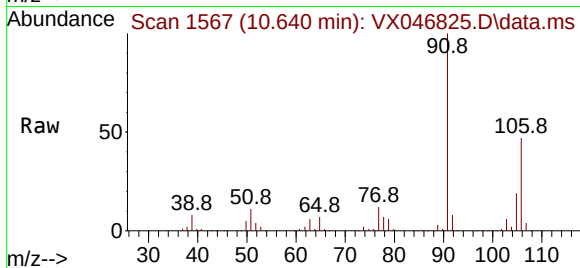
BBX42025DL

Tgt Ion:106 Resp: 57218

Ion Ratio Lower Upper

106 100

91 221.8 111.3 333.9



#70

Styrene

Concen: 0.516 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.012 min

Lab File: VX046825.D

Acq: 23 Jun 2025 16:59

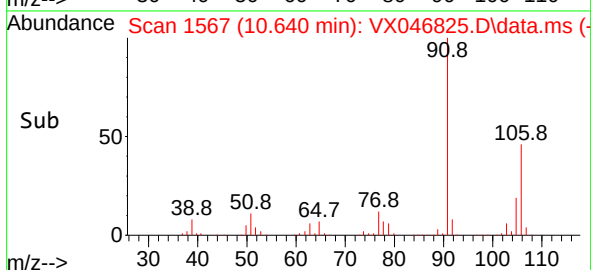
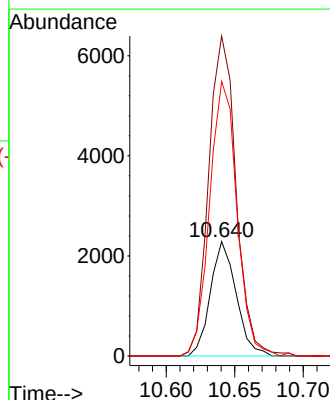
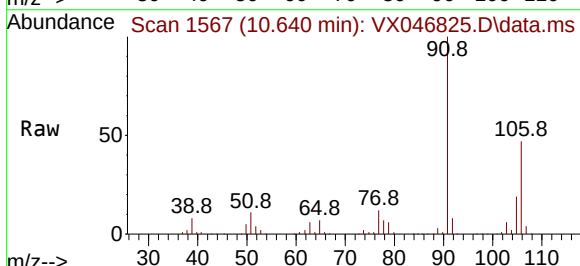
Tgt Ion:104 Resp: 2994

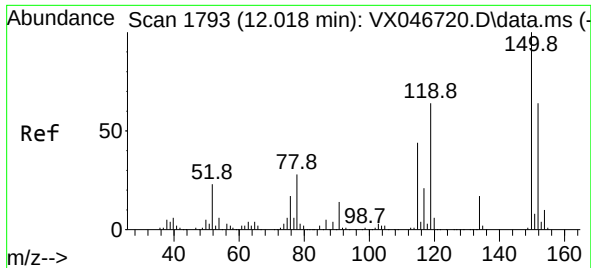
Ion Ratio Lower Upper

104 100

78 296.7 41.4 62.2#

103 254.6 43.1 64.7#

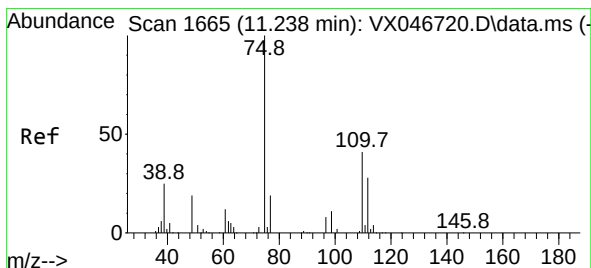
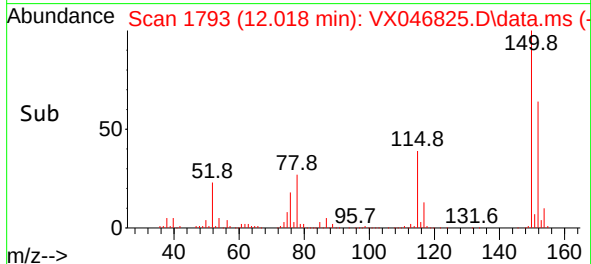
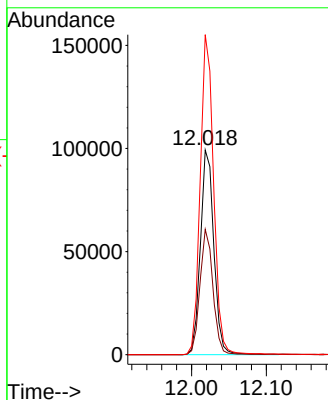
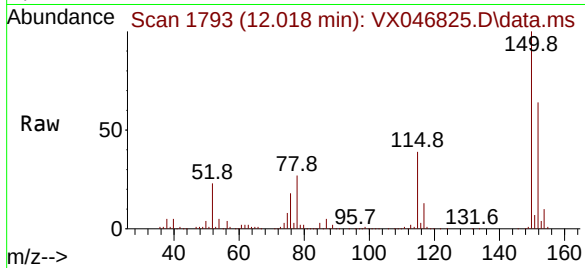




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046825.D
 Acq: 23 Jun 2025 16:59

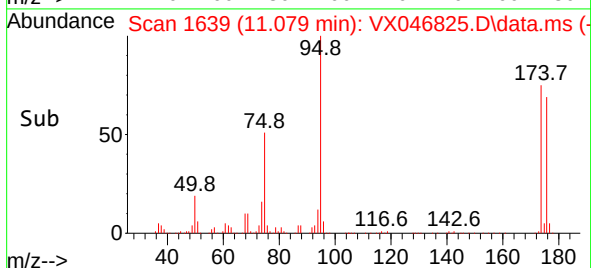
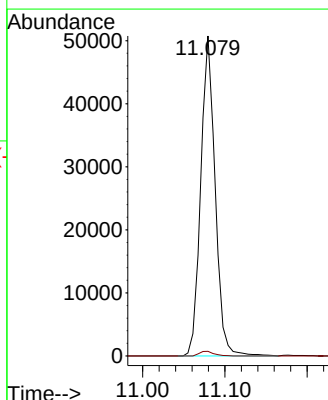
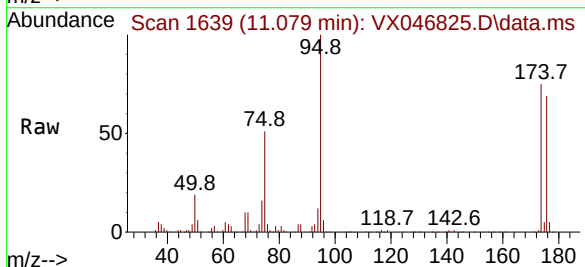
Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

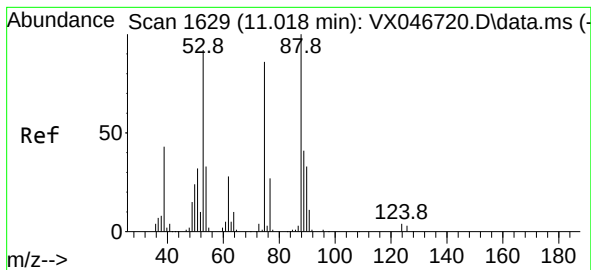
Tgt Ion:152 Resp: 124245
 Ion Ratio Lower Upper
 152 100
 115 59.5 43.2 129.6
 150 155.9 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 27.164 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046825.D
 Acq: 23 Jun 2025 16:59

Tgt Ion: 75 Resp: 61813
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.5 55.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.780 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046825.D
 Acq: 23 Jun 2025 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

Tgt Ion: 75 Resp: 61813
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 36.9 55.3#

