

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047502.D
 Acq On : 22 Aug 2025 16:46
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 25 01:30:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

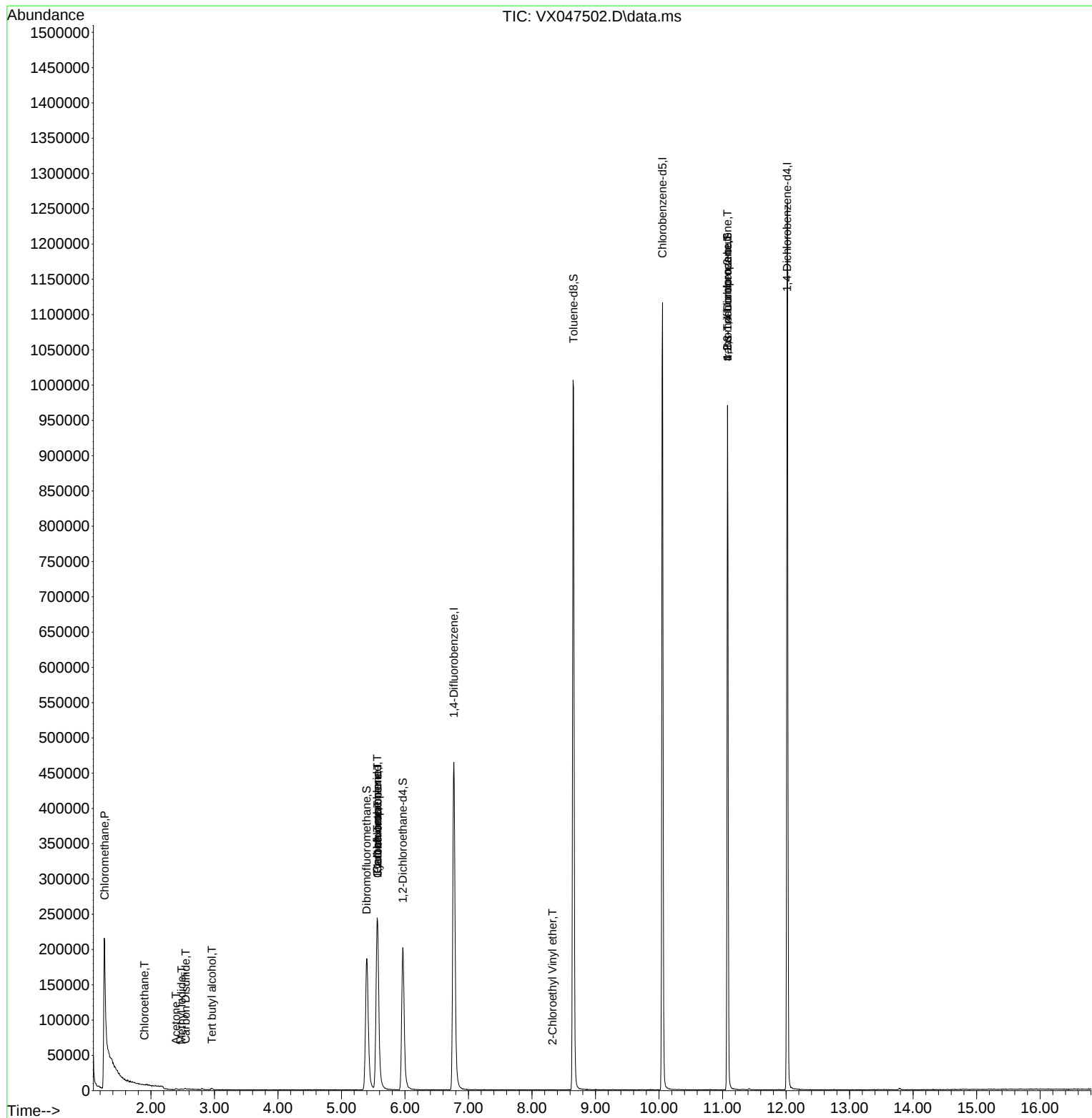
Internal Standards						
1) Pentafluorobenzene	5.562	168	244196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	502580	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	499075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	249141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	210374	61.556	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 123.120%#			
35) Dibromofluoromethane	5.397	113	178757	54.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.600%			
50) Toluene-d8	8.653	98	622818	53.422	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.840%			
62) 4-Bromofluorobenzene	11.079	95	253759	58.983	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	7872	2.811	ug/l #	41
6) Chloroethane	1.898	64	556	0.259	ug/l #	74
10) Methyl Iodide	2.483	142	1544	0.299	ug/l #	71
11) Tert butyl alcohol	2.959	59	399	1.342	ug/l #	72
16) Acetone	2.392	43	1924	1.498	ug/l	96
17) Carbon Disulfide	2.544	76	3408	0.367	ug/l #	94
31) Cyclohexane	5.568	56	5240	0.953	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	19932	3.871	ug/l #	51
38) Carbon Tetrachloride	5.562	117	26597	4.727	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.324	63	22	8.364	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	131801	28.843	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	131801	113.521	ug/l #	7

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

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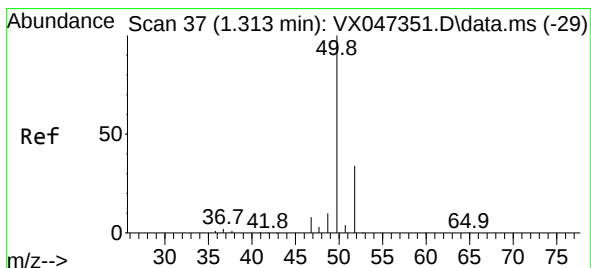
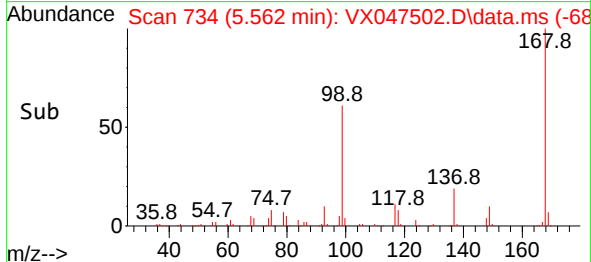
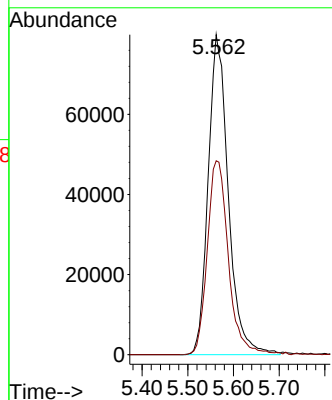
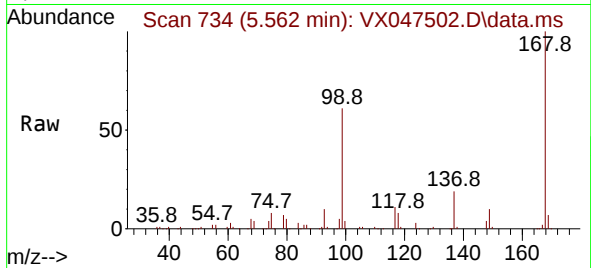




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

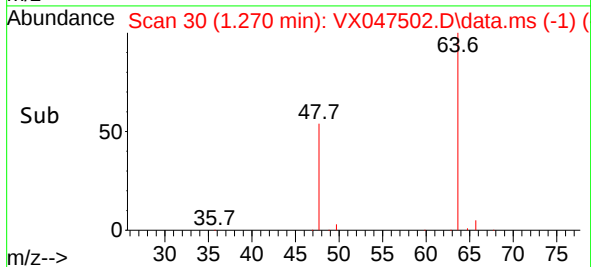
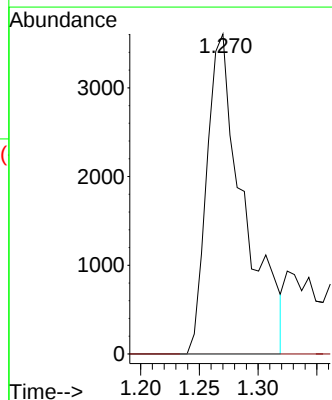
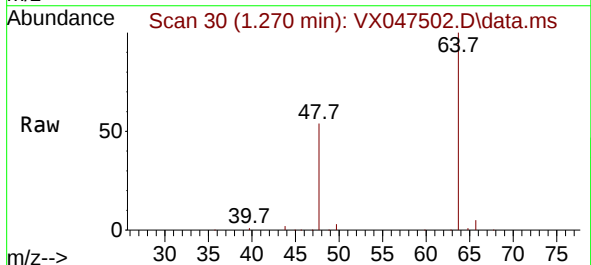
Instrument : MSVOA_X
ClientSampleId : IBLK

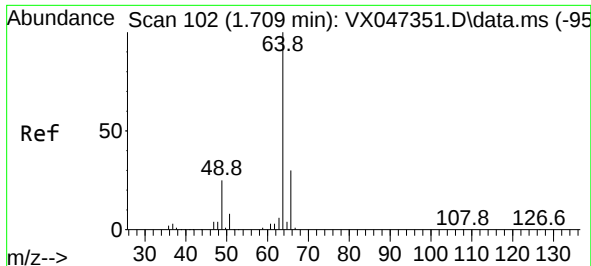
Tgt Ion:168 Resp: 244196
Ion Ratio Lower Upper
168 100
99 60.6 47.9 71.9



#3
Chloromethane
Concen: 2.811 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Tgt Ion: 50 Resp: 7872
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

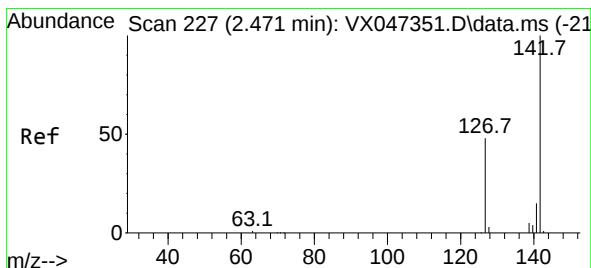
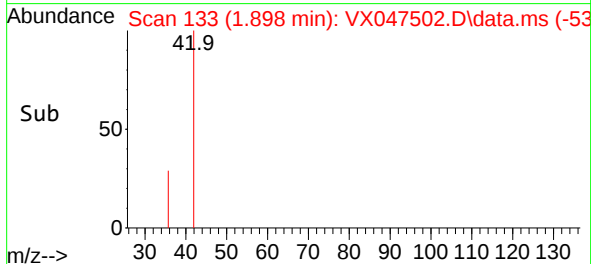
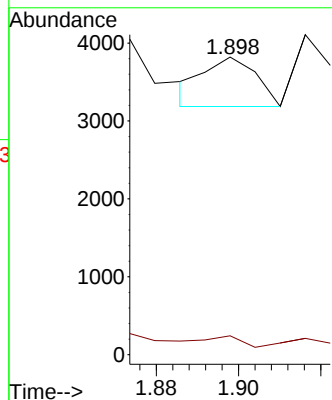
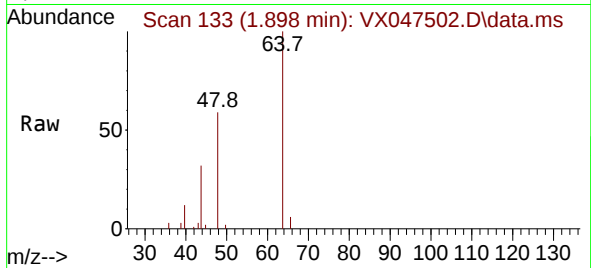




#6
Chloroethane
Concen: 0.259 ug/l
RT: 1.898 min Scan# 11
Delta R.T. 0.189 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

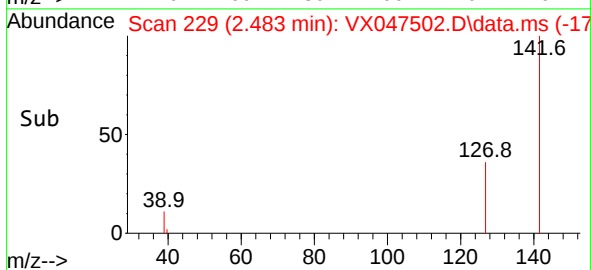
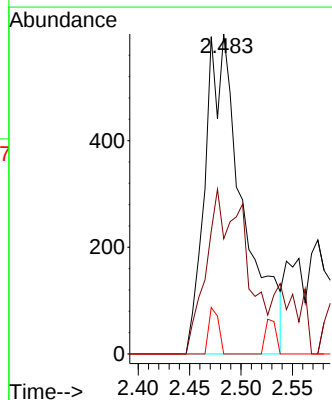
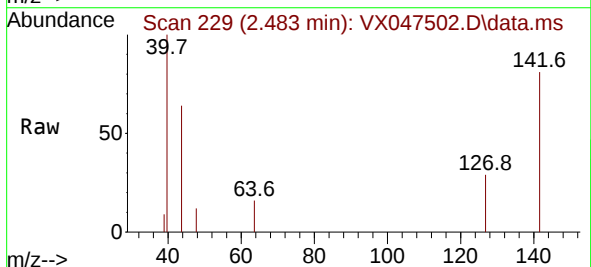
Instrument :
MSVOA_X
ClientSampleId :
IBLK

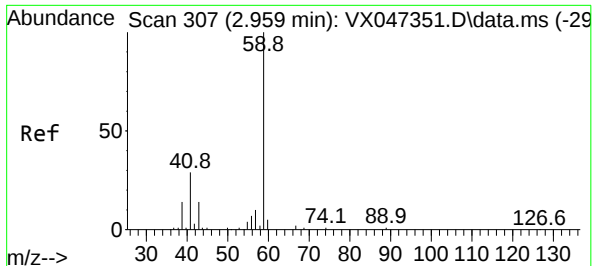
Tgt Ion: 64 Resp: 556
Ion Ratio Lower Upper
64 100
66 16.3 24.4 36.6#



#10
Methyl Iodide
Concen: 0.299 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Tgt Ion:142 Resp: 1544
Ion Ratio Lower Upper
142 100
127 25.1 36.1 54.1#
141 3.8 11.1 16.7#





#11

Tert butyl alcohol

Concen: 1.342 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX047502.D

Acq: 22 Aug 2025 16:46

Instrument :

MSVOA_X

ClientSampleId :

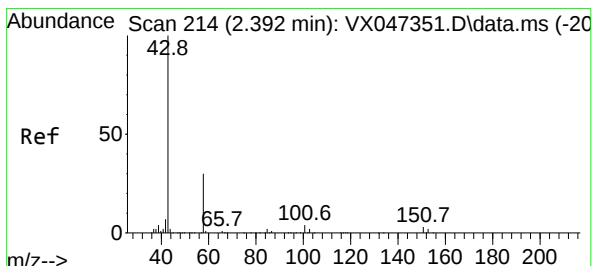
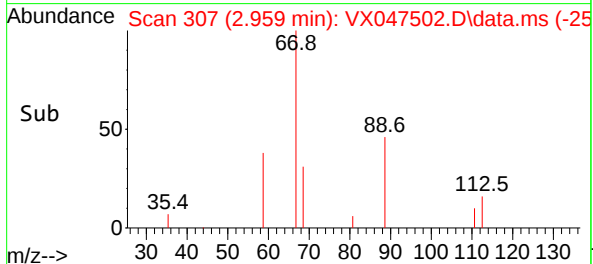
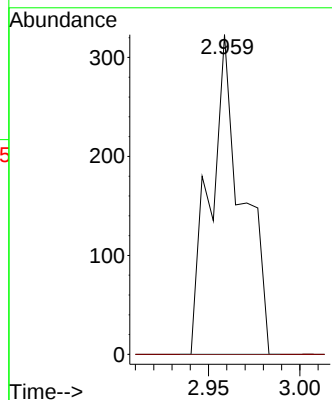
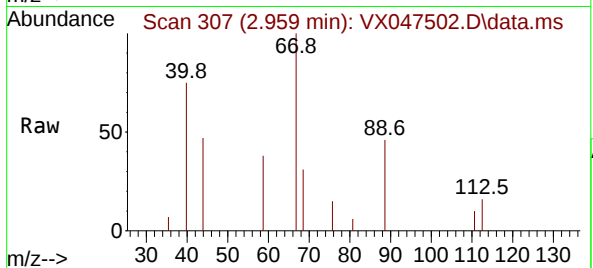
IBLK

Tgt Ion: 59 Resp: 399

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.498 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047502.D

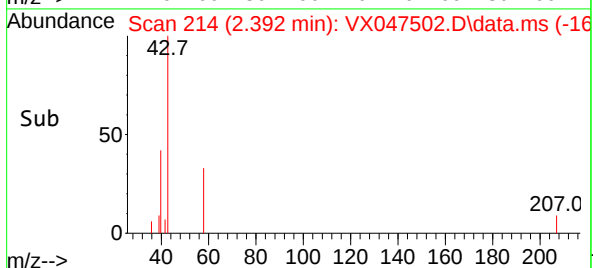
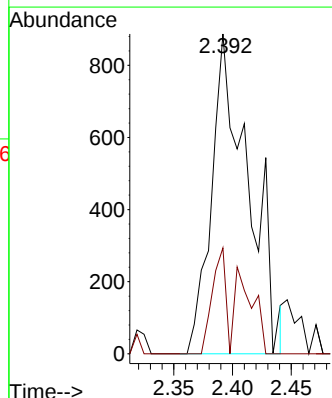
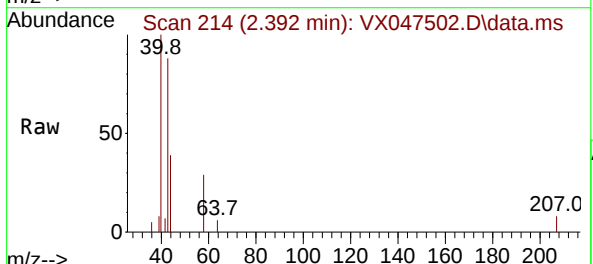
Acq: 22 Aug 2025 16:46

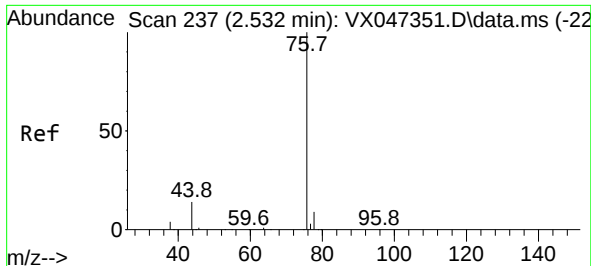
Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

43 100

58 33.1 24.8 37.2





#17

Carbon Disulfide

Concen: 0.367 ug/l

RT: 2.544 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX047502.D

Acq: 22 Aug 2025 16:46

Instrument :

MSVOA_X

ClientSampleId :

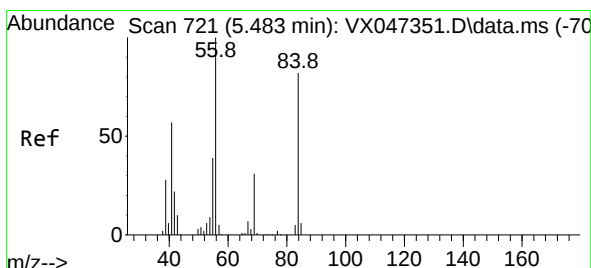
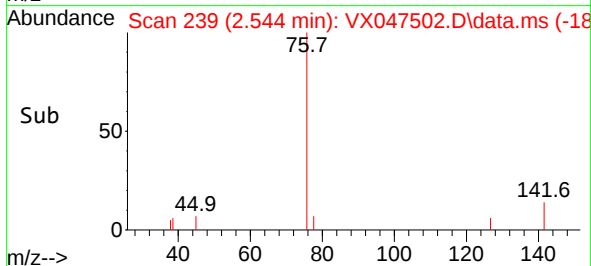
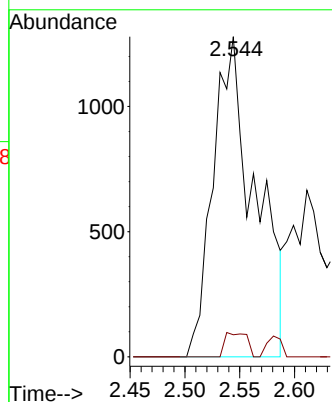
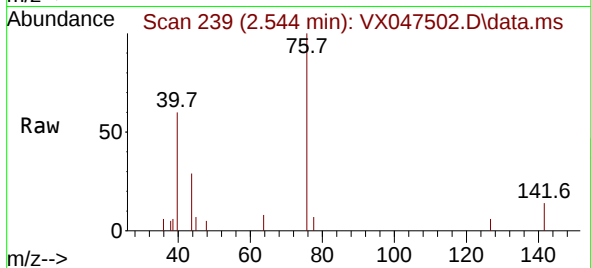
IBLK

Tgt Ion: 76 Resp: 3408

Ion Ratio Lower Upper

76 100

78 6.9 7.2 10.8#



#31

Cyclohexane

Concen: 0.953 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX047502.D

Acq: 22 Aug 2025 16:46

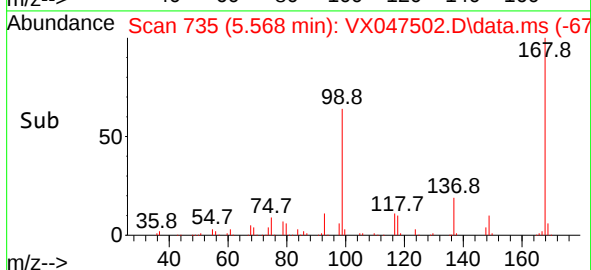
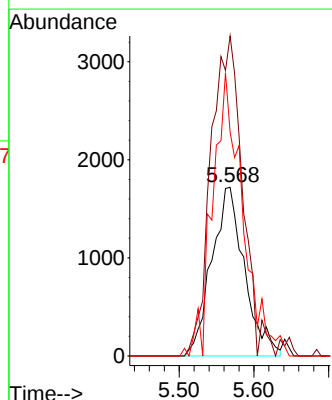
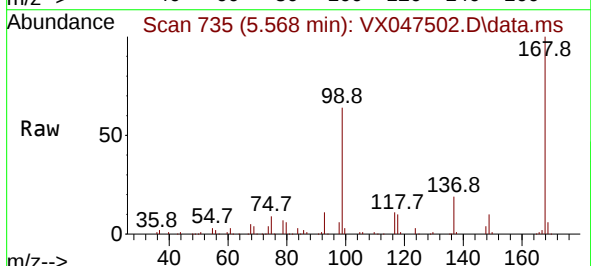
Tgt Ion: 56 Resp: 5240

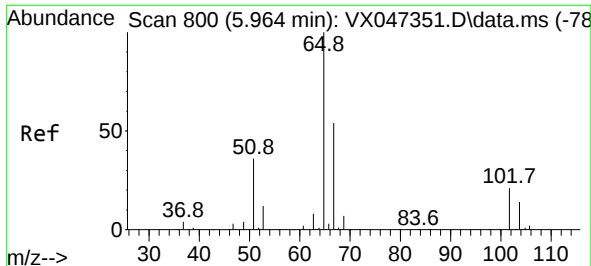
Ion Ratio Lower Upper

56 100

69 195.6 24.3 36.5#

84 132.7 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 61.556 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047502.D

Acq: 22 Aug 2025 16:46

Instrument :

MSVOA_X

ClientSampleId :

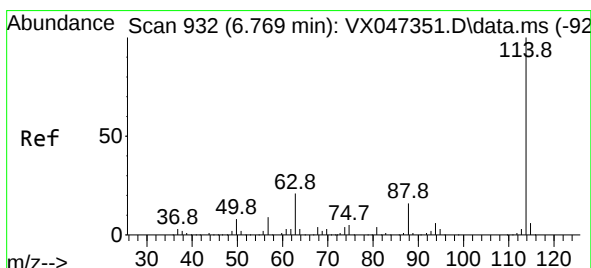
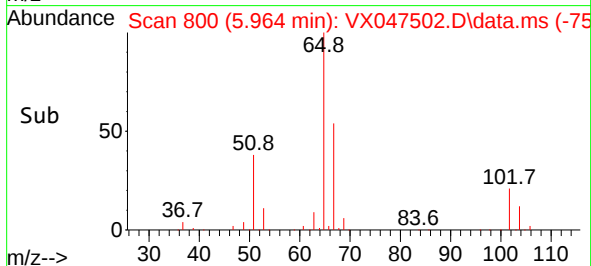
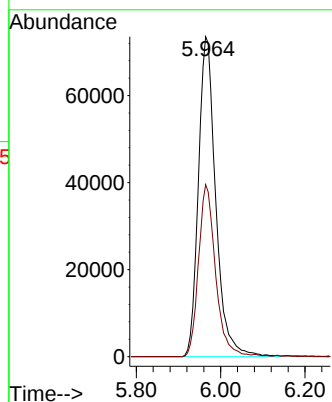
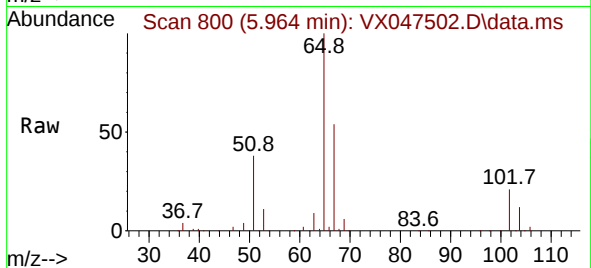
IBLK

Tgt Ion: 65 Resp: 210374

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047502.D

Acq: 22 Aug 2025 16:46

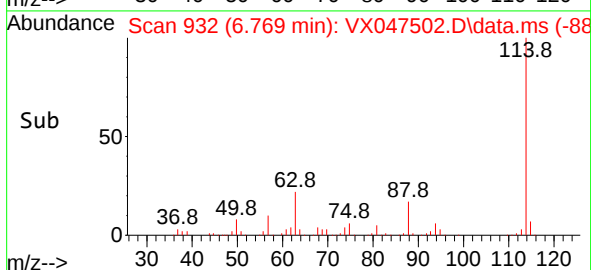
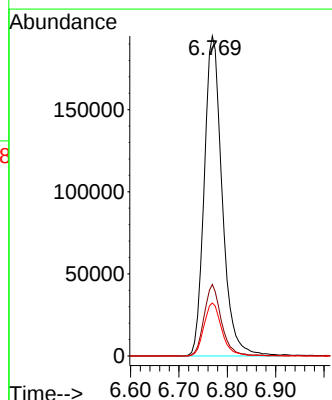
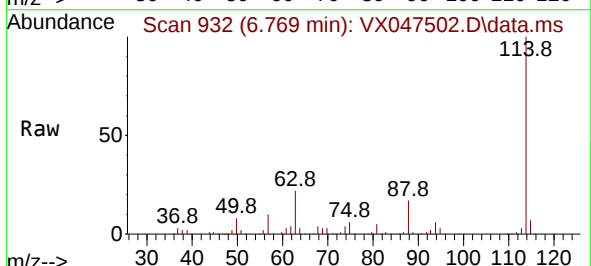
Tgt Ion: 114 Resp: 502580

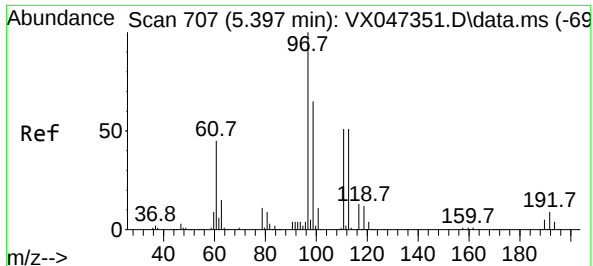
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.4

88 16.5 0.0 33.0

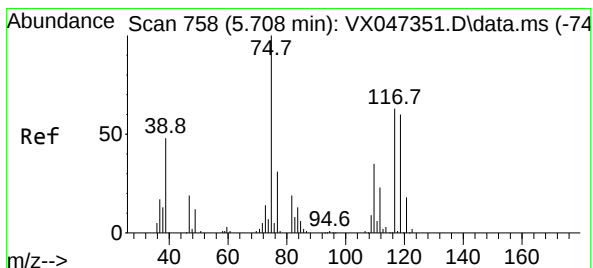
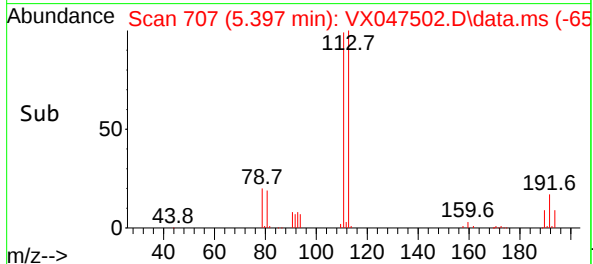
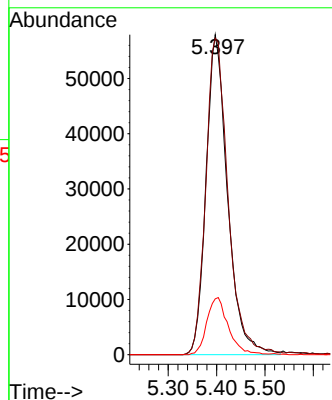
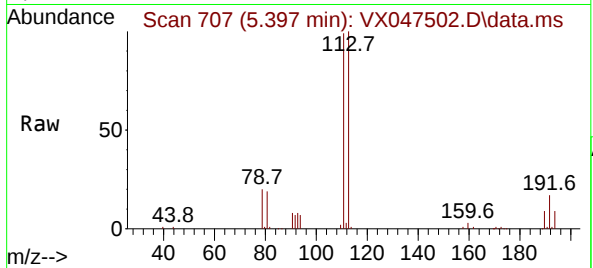




#35
Dibromofluoromethane
Concen: 54.803 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

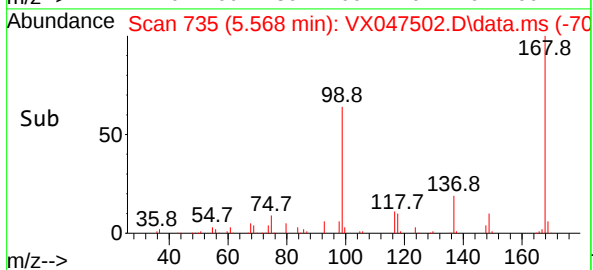
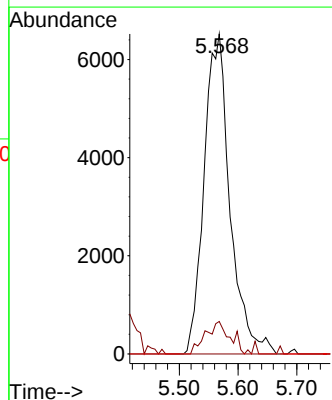
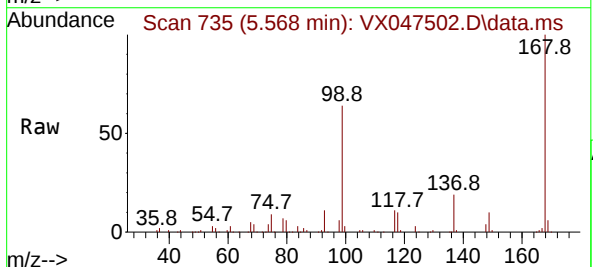
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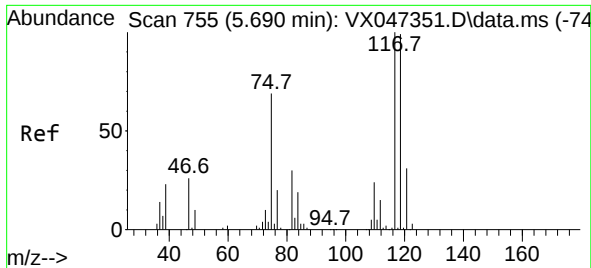
Tgt Ion:113 Resp: 178757
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.2
192 17.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.871 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

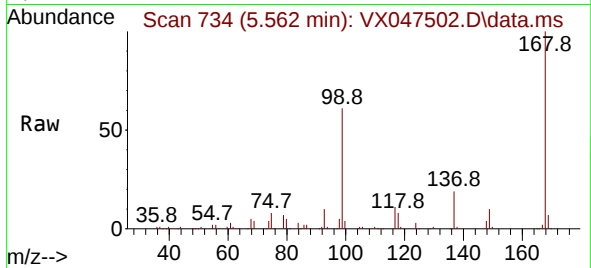
Tgt Ion: 75 Resp: 19932
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.2#
77 0.0 24.4 36.6#



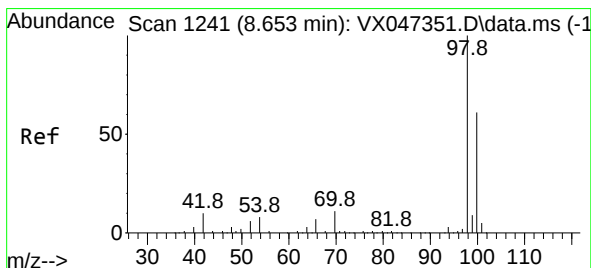
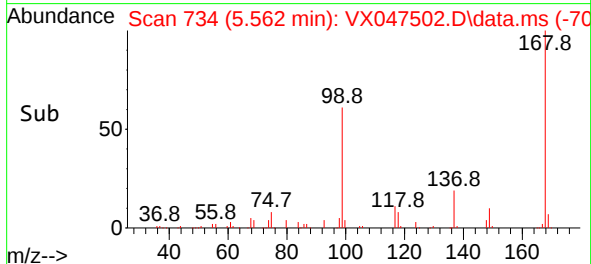
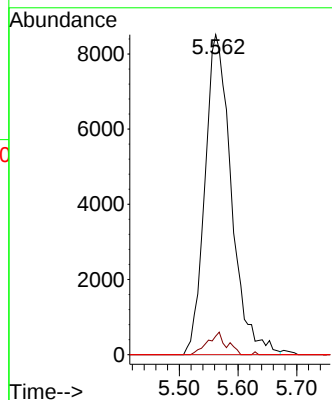


#38
Carbon Tetrachloride
Concen: 4.727 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Instrument :
MSVOA_X
ClientSampleId :
IBLK

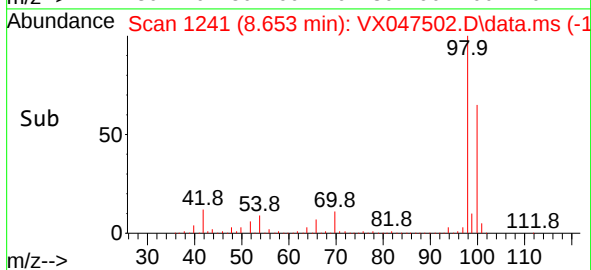
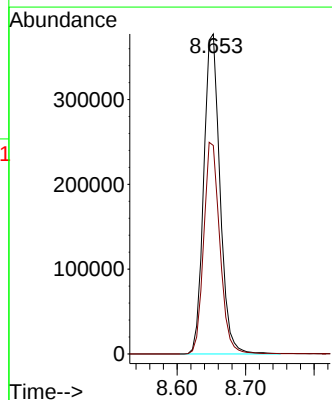
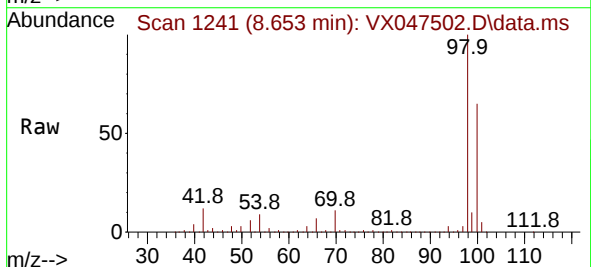


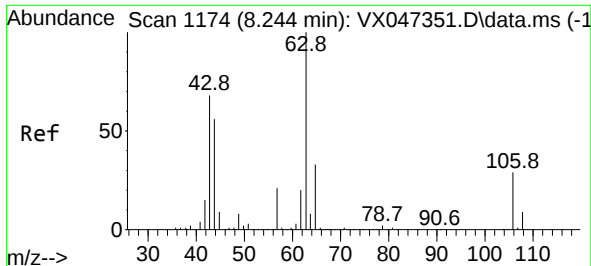
Tgt Ion:117 Resp: 26597
Ion Ratio Lower Upper
117 100
119 5.8 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.422 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Tgt Ion: 98 Resp: 622818
Ion Ratio Lower Upper
98 100
100 65.7 53.9 80.9

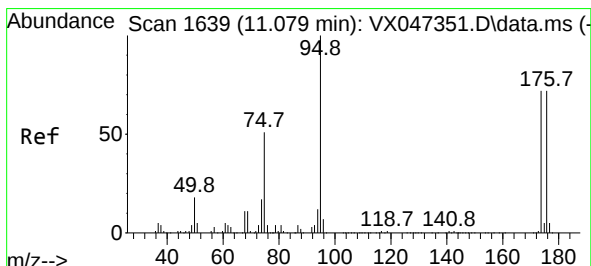
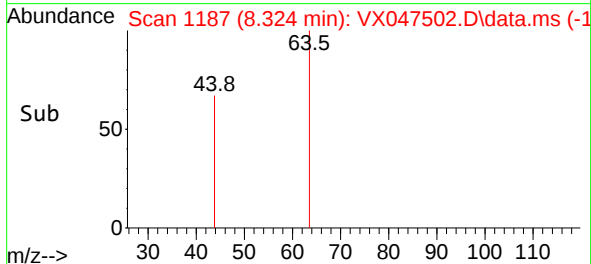
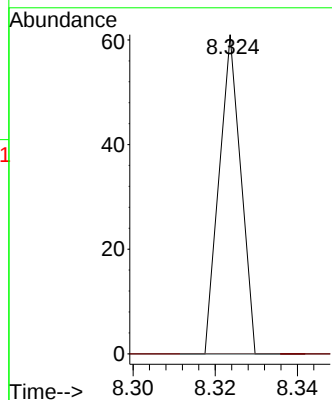
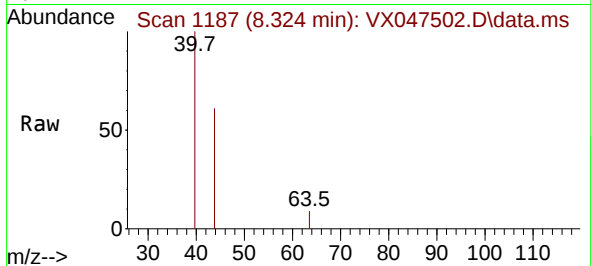




#58
2-Chloroethyl Vinyl ether
Concen: 8.364 ug/l
RT: 8.324 min Scan# 1174
Delta R.T. 0.079 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

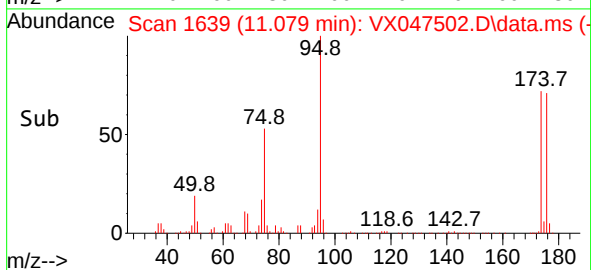
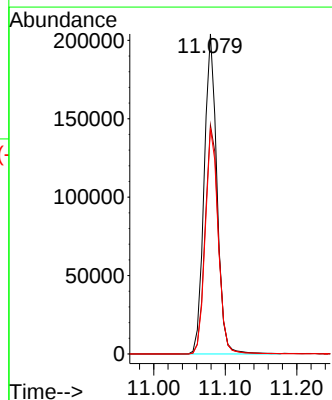
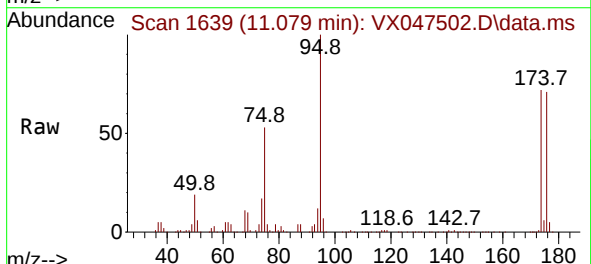
Instrument :
MSVOA_X
ClientSampleId :
IBLK

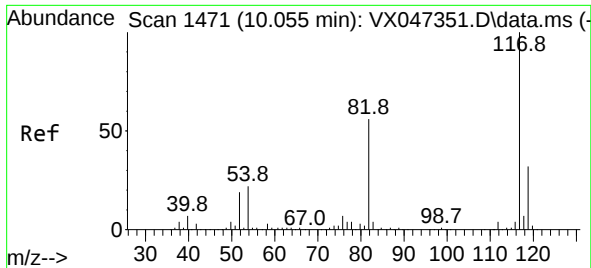
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 58.983 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Tgt Ion: 95 Resp: 253759
Ion Ratio Lower Upper
95 100
174 73.8 0.0 148.0
176 71.2 0.0 145.4

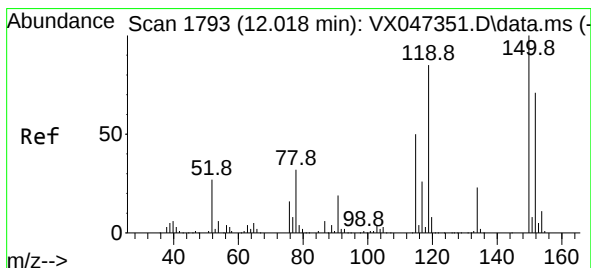
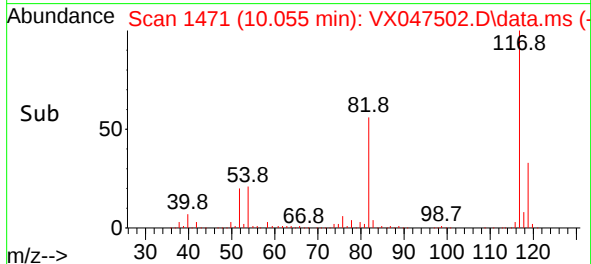
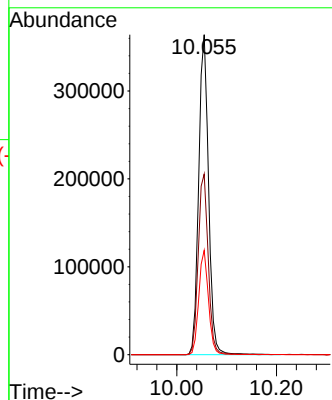
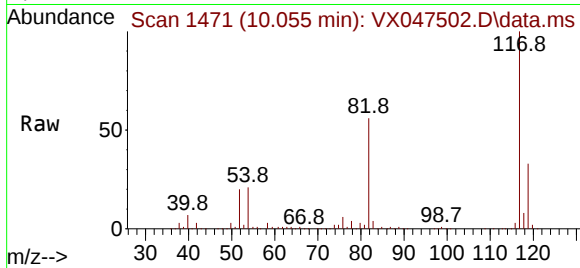




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

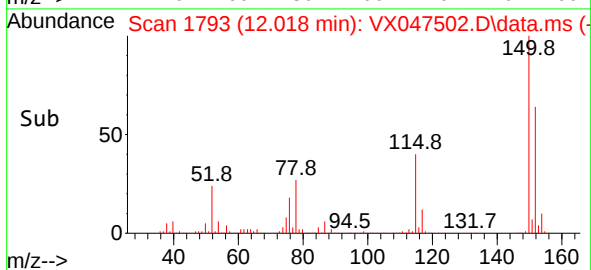
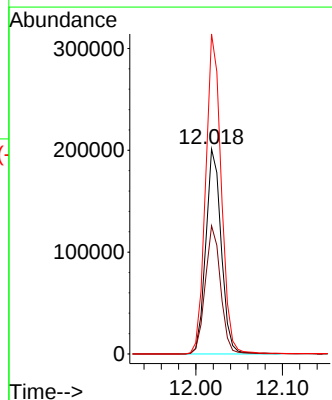
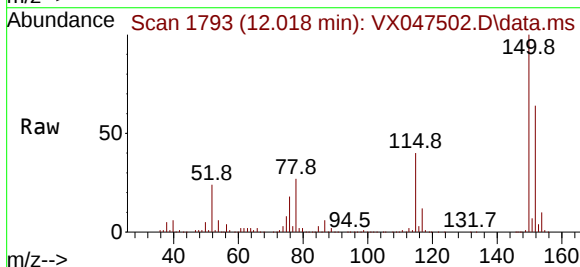
Instrument :
MSVOA_X
ClientSampleId :
IBLK

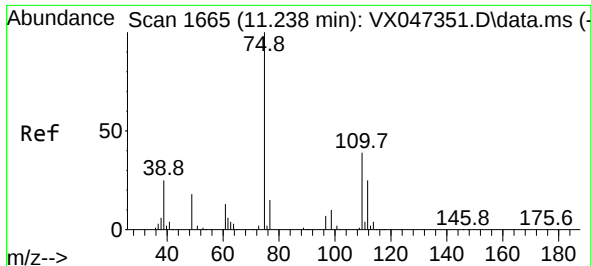
Tgt Ion:117 Resp: 499075
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Tgt Ion:152 Resp: 249141
Ion Ratio Lower Upper
152 100
115 62.1 44.6 133.8
150 158.3 0.0 349.8

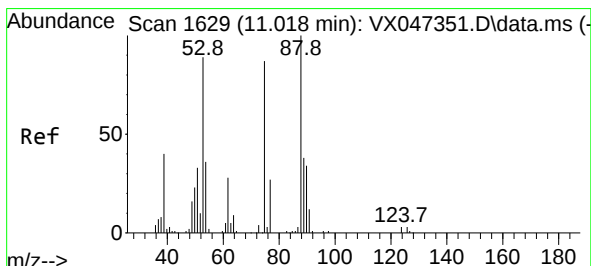
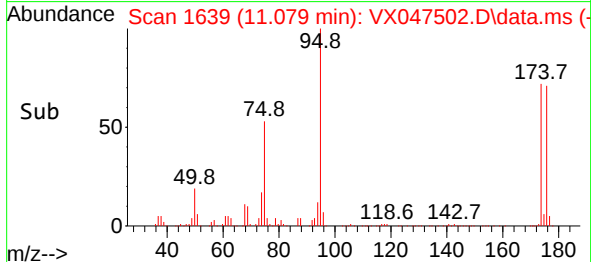
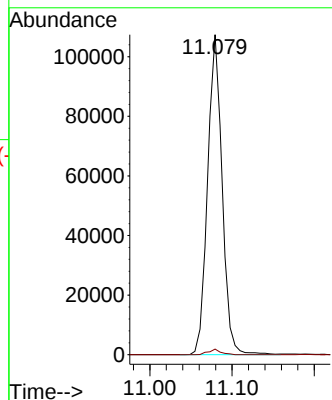
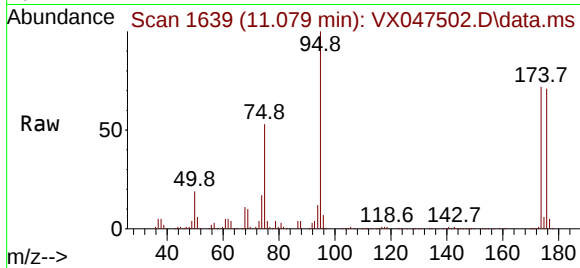




#76
1,2,3-Trichloropropane
Concen: 28.843 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 131801
Ion Ratio Lower Upper
75 100
77 1.5 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.521 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047502.D
Acq: 22 Aug 2025 16:46

Tgt Ion: 75 Resp: 131801
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

