

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047500.D
 Acq On : 22 Aug 2025 16:04
 Operator : JC/MD
 Sample : Q2934-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-SW03

Quant Time: Aug 25 01:30:03 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)

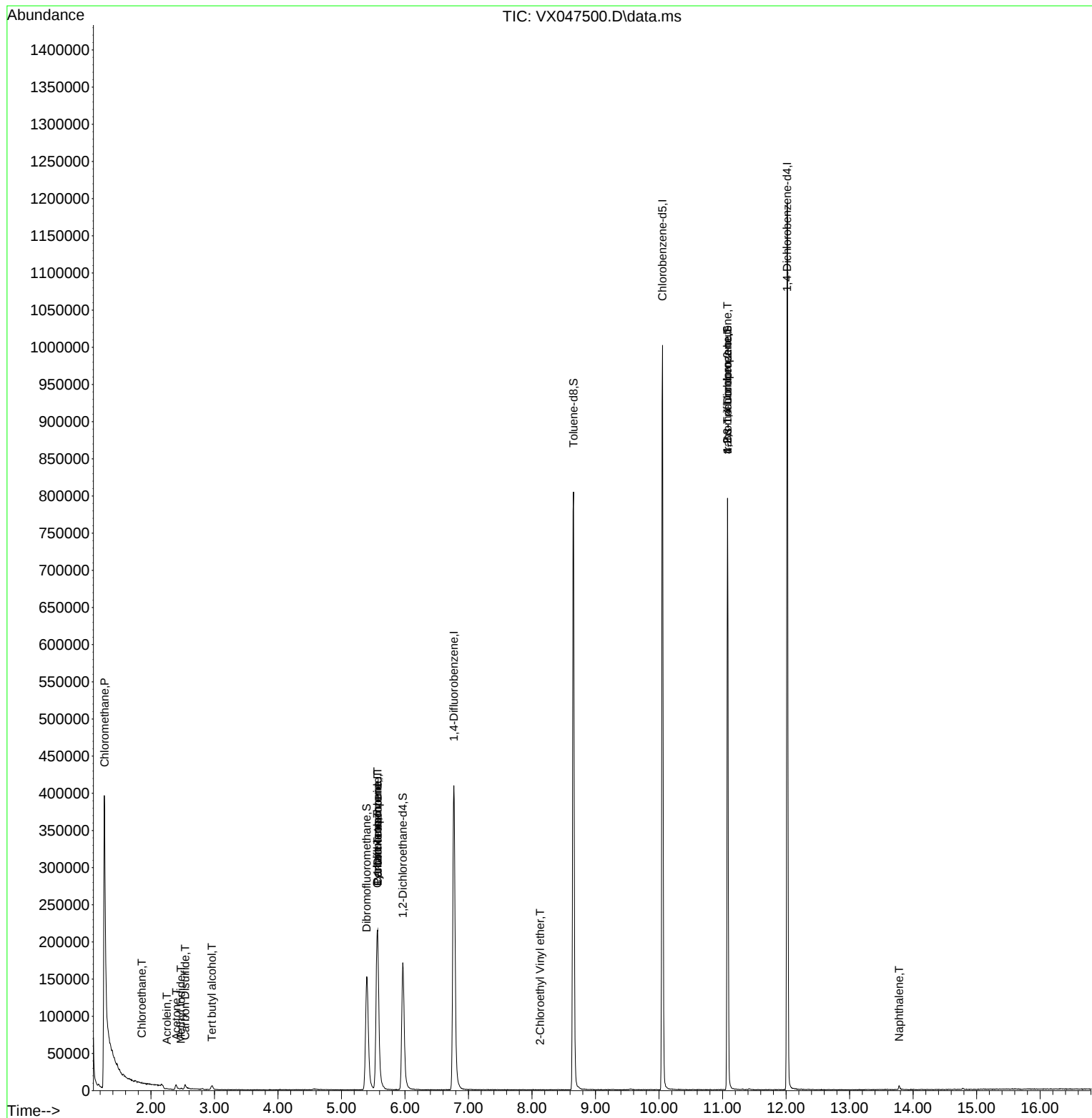
Internal Standards						
1) Pentafluorobenzene	5.568	168	218472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	239933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176045	57.577	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.160%	
35) Dibromofluoromethane	5.397	113	145438	50.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.540%	
50) Toluene-d8	8.653	98	502930	48.633	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.260%	
62) 4-Bromofluorobenzene	11.079	95	212526	55.691	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	16109	6.430	ug/l #	41
6) Chloroethane	1.855	64	707	0.367	ug/l #	57
10) Methyl Iodide	2.471	142	1862	0.403	ug/l #	91
11) Tert butyl alcohol	2.959	59	2684	10.091	ug/l #	80
13) Acrolein	2.252	56	200	0.356	ug/l #	32
16) Acetone	2.398	43	8731	7.597	ug/l	98
17) Carbon Disulfide	2.538	76	4968	0.599	ug/l #	87
31) Cyclohexane	5.562	56	4465	0.907	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	18909	4.140	ug/l #	48
38) Carbon Tetrachloride	5.568	117	23480	4.704	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.129	63	27	8.367	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	111287	25.289	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	111287	100.500	ug/l #	7
95) Naphthalene	13.780	128	4851	0.305	ug/l #	91

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

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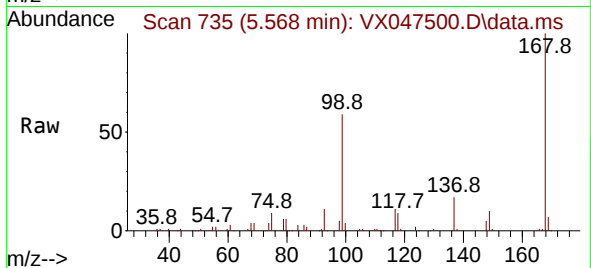
Quant Time: Aug 25 01:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
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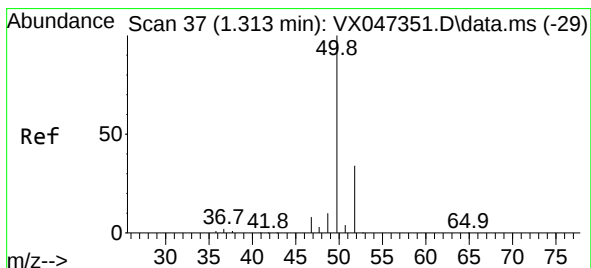
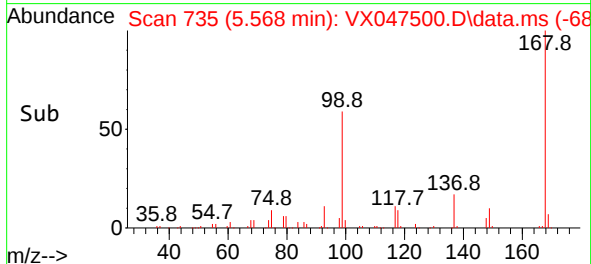
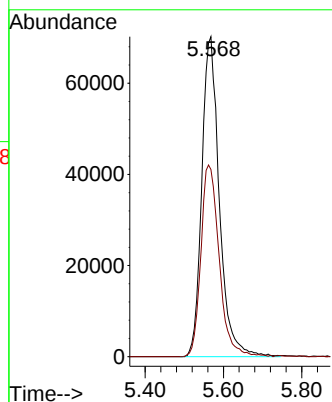


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

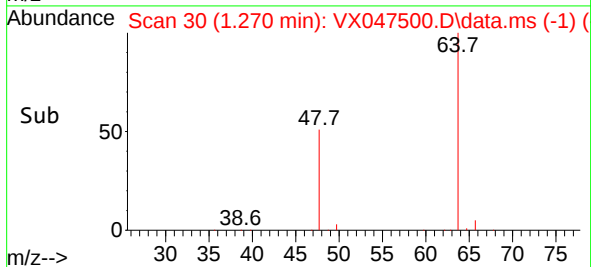
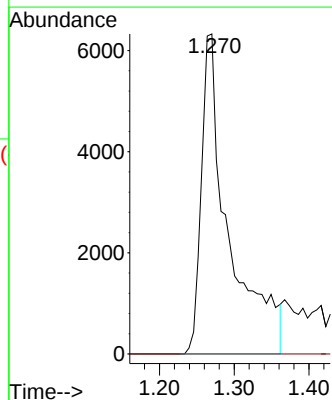
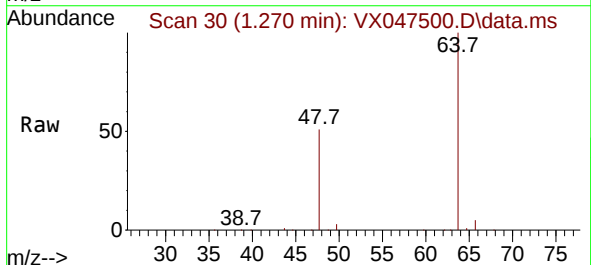


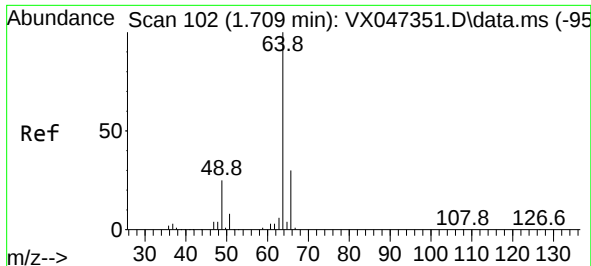
Tgt Ion:168 Resp: 218472
Ion Ratio Lower Upper
168 100
99 58.5 47.9 71.9



#3
Chloromethane
Concen: 6.430 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 50 Resp: 16109
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

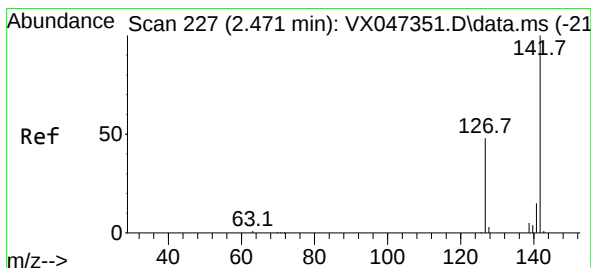
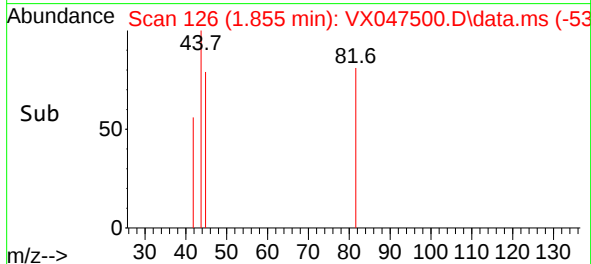
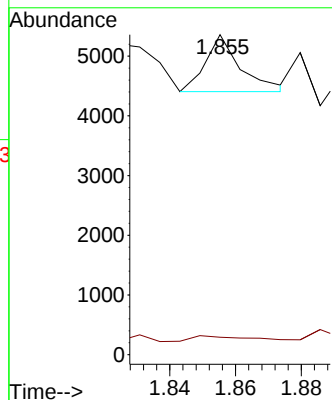
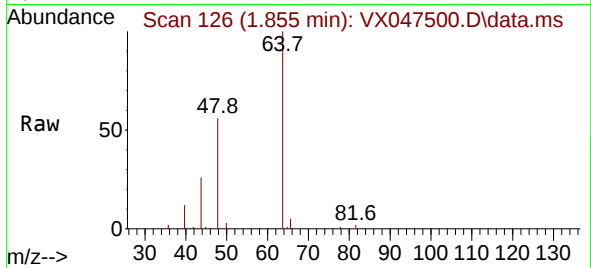




#6
Chloroethane
Concen: 0.367 ug/l
RT: 1.855 min Scan# 11
Delta R.T. 0.146 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

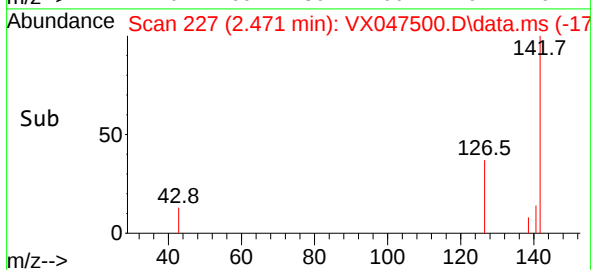
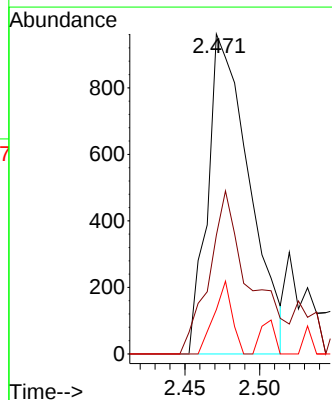
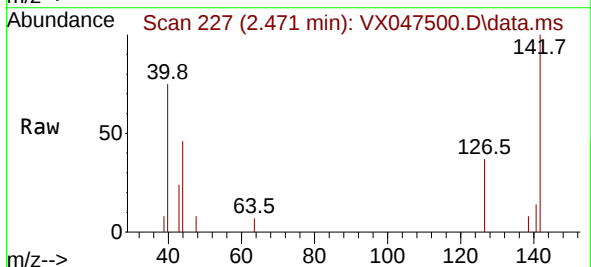
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

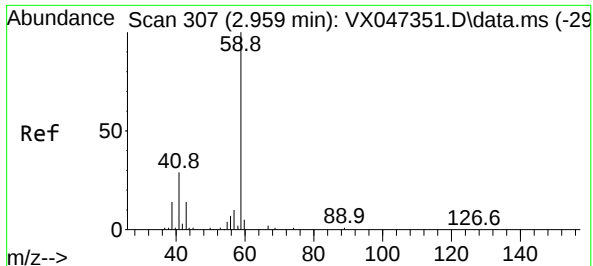
Tgt Ion: 64 Resp: 707
Ion Ratio Lower Upper
64 100
66 7.1 24.4 36.6#



#10
Methyl Iodide
Concen: 0.403 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 142 Resp: 1862
Ion Ratio Lower Upper
142 100
127 51.0 36.1 54.1
141 9.8 11.1 16.7#





#11

Tert butyl alcohol

Concen: 10.091 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX047500.D

Acq: 22 Aug 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

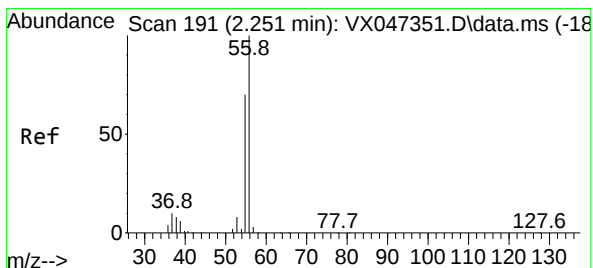
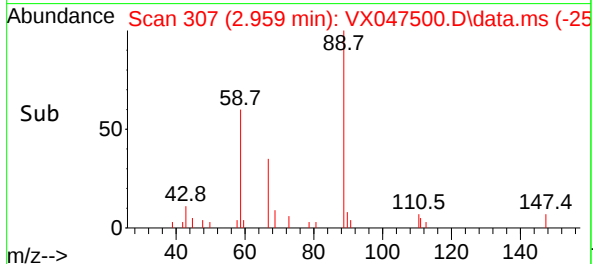
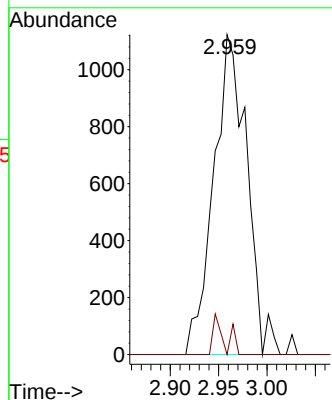
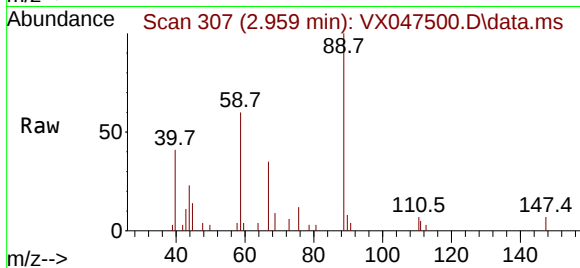
ENV-SW03

Tgt Ion: 59 Resp: 2684

Ion Ratio Lower Upper

59 100

57 2.9 8.3 12.5#



#13

Acrolein

Concen: 0.356 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047500.D

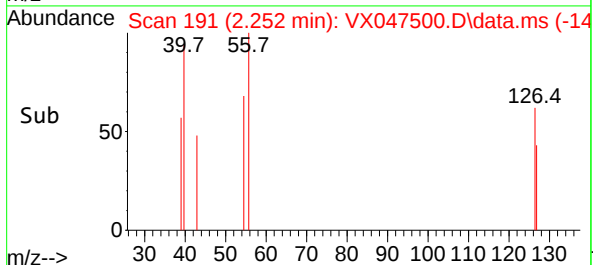
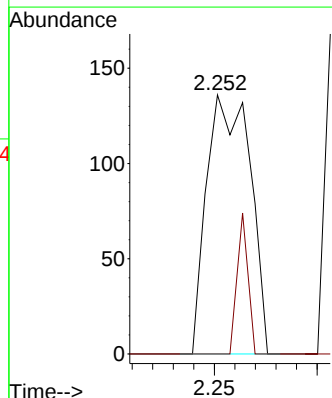
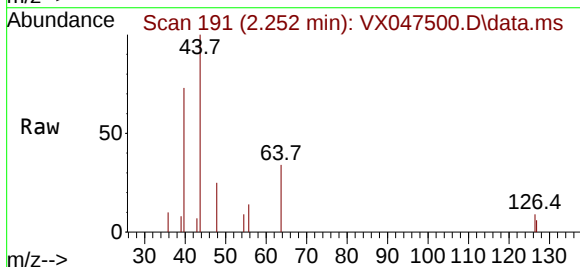
Acq: 22 Aug 2025 16:04

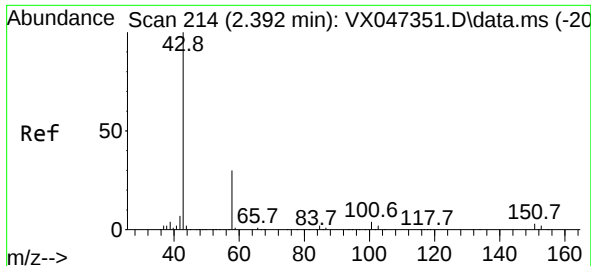
Tgt Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 13.5 55.5 83.3#

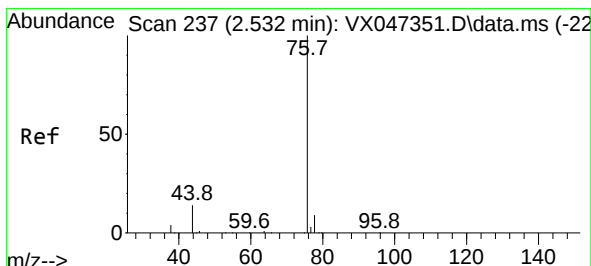
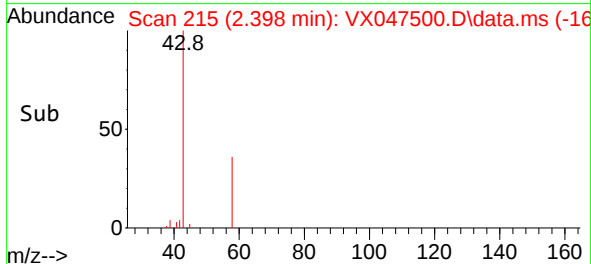
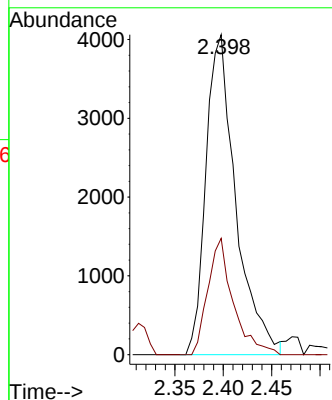
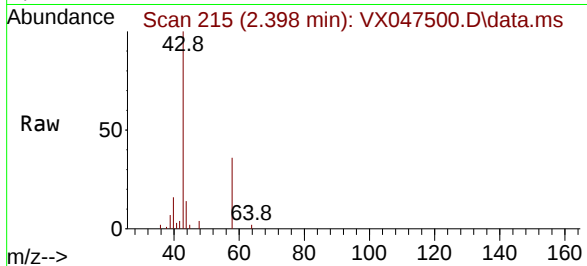




#16
Acetone
Concen: 7.597 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

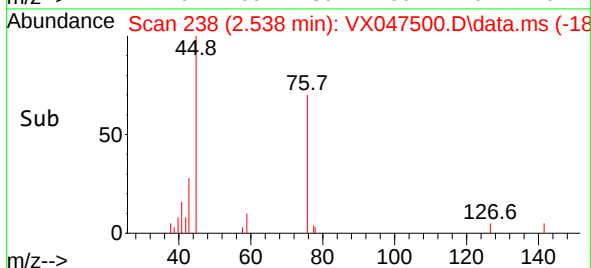
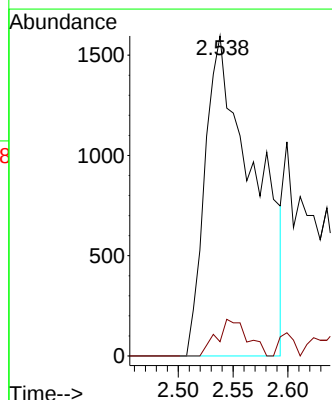
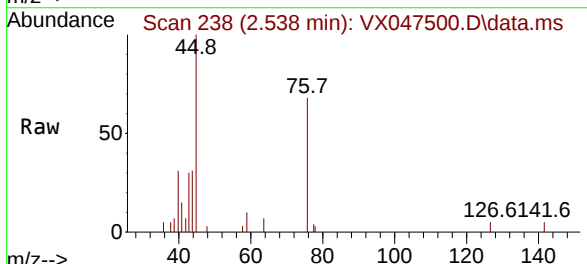
Instrument :
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ClientSampleId :
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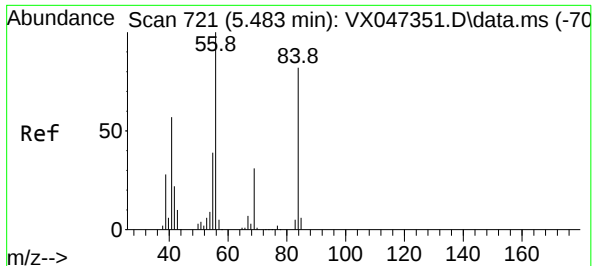
Tgt Ion: 43 Resp: 8731
Ion Ratio Lower Upper
43 100
58 31.8 24.8 37.2



#17
Carbon Disulfide
Concen: 0.599 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 76 Resp: 4968
Ion Ratio Lower Upper
76 100
78 4.4 7.2 10.8#

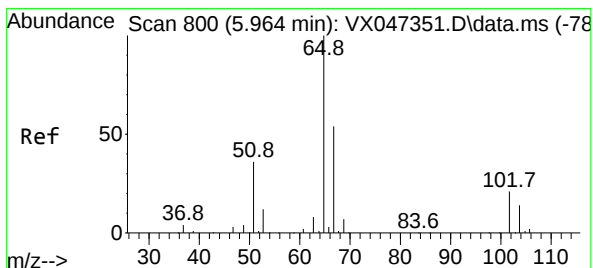
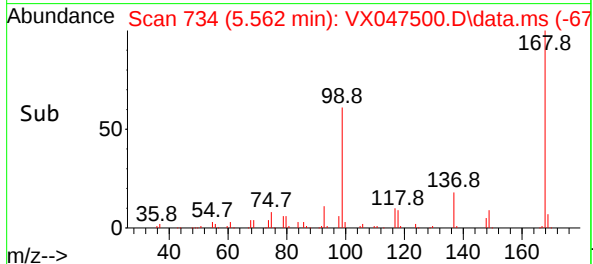
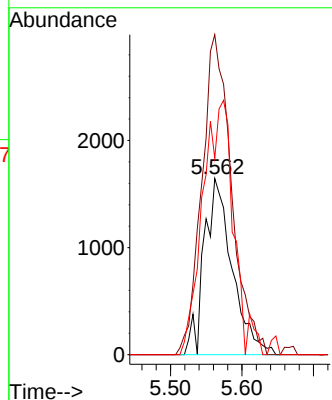
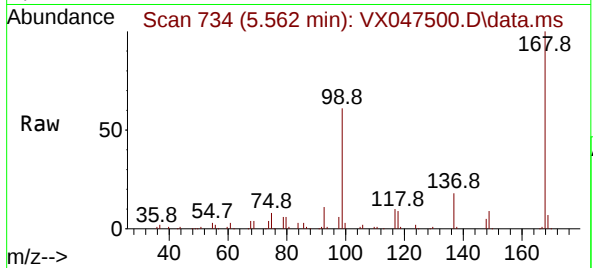




#31
Cyclohexane
Concen: 0.907 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

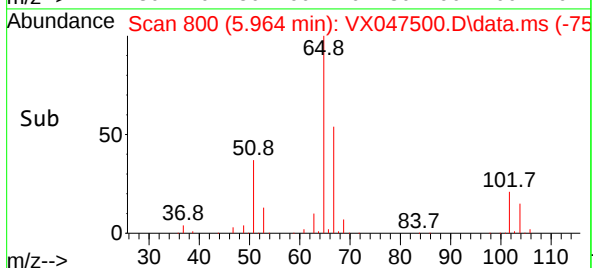
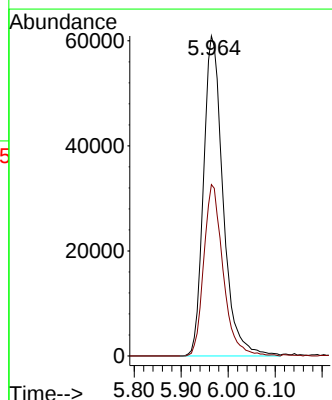
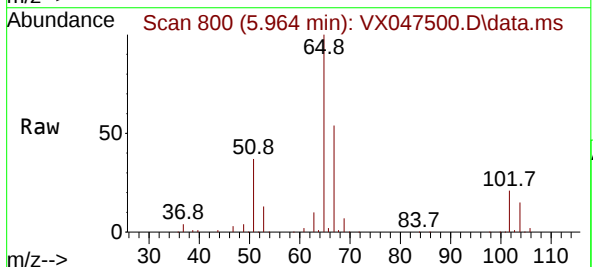
Instrument :
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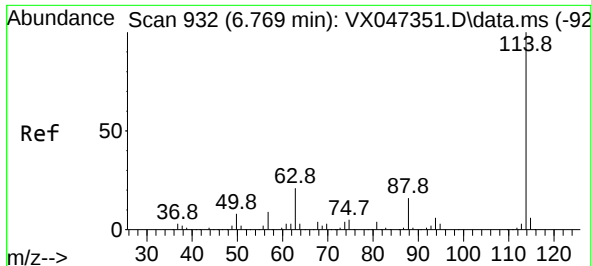
Tgt Ion: 56 Resp: 4465
Ion Ratio Lower Upper
56 100
69 181.6 24.3 36.5#
84 111.6 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.577 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 65 Resp: 176045
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0

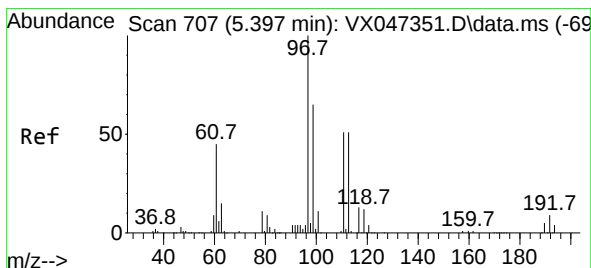
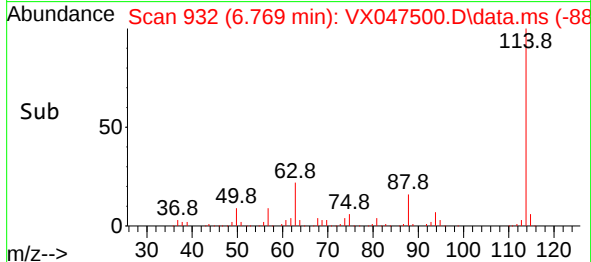
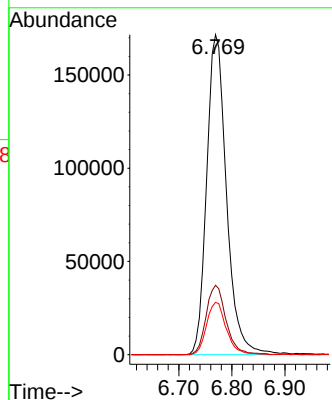
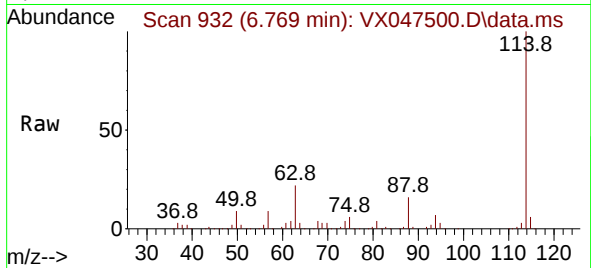




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

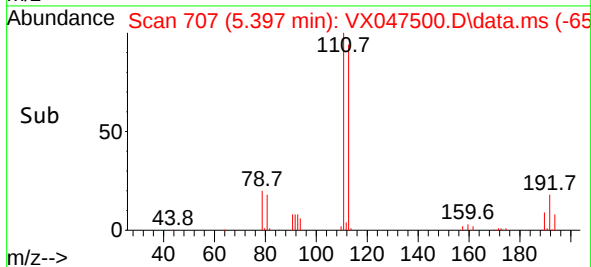
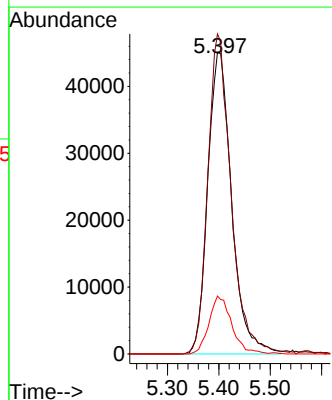
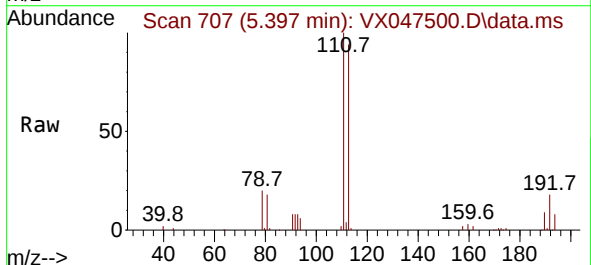
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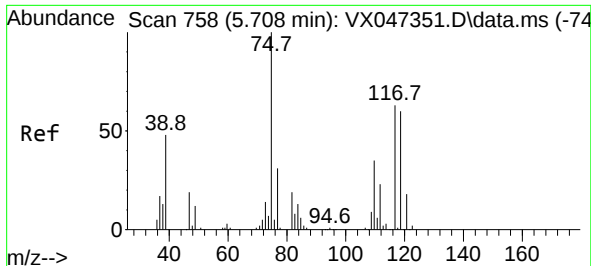
Tgt Ion:114 Resp: 445802
Ion Ratio Lower Upper
114 100
63 21.7 0.0 42.4
88 16.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.267 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion:113 Resp: 145438
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 18.2 14.1 21.1

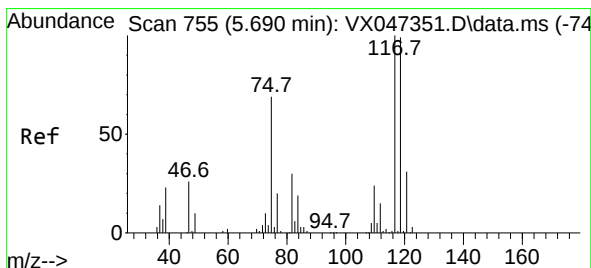
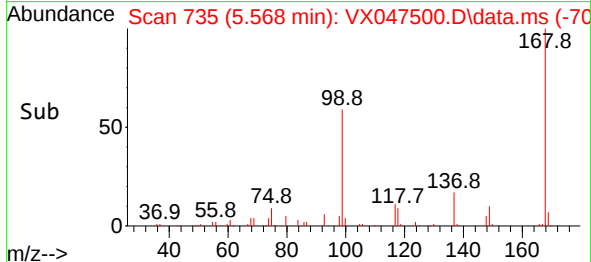
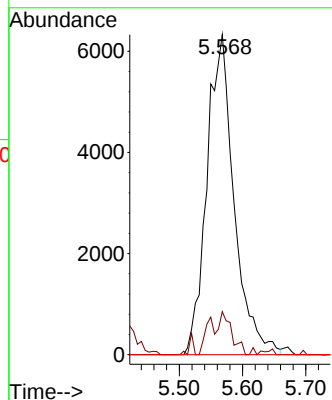
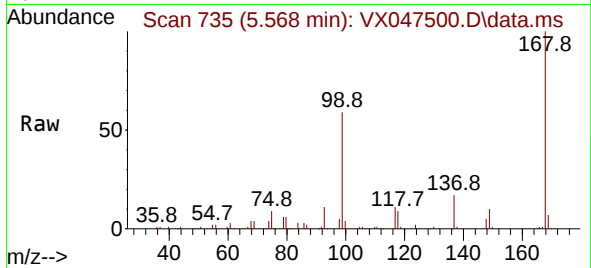




#36
1,1-Dichloropropene
Concen: 4.140 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

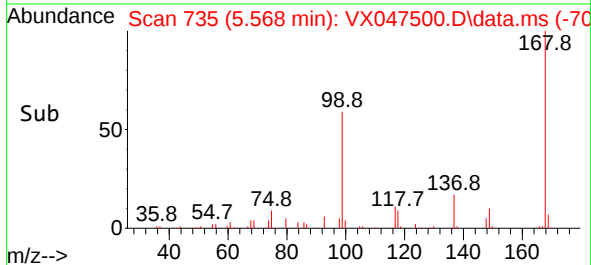
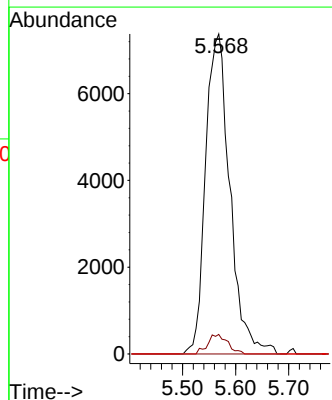
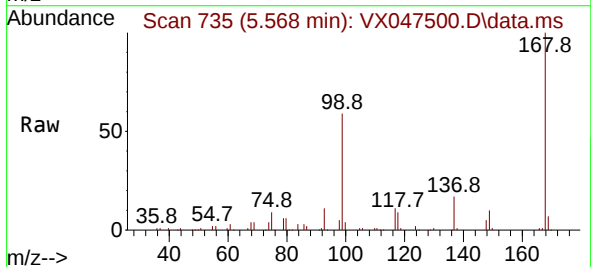
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

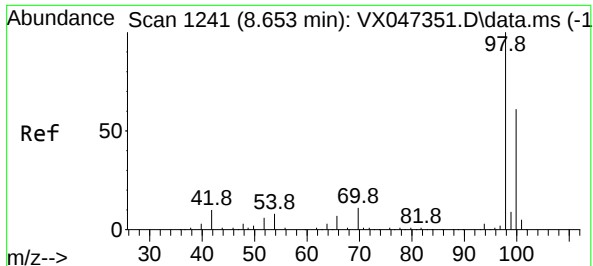
Tgt Ion: 75 Resp: 18909
Ion Ratio Lower Upper
75 100
110 6.4 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.704 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 117 Resp: 23480
Ion Ratio Lower Upper
117 100
119 6.1 78.5 117.7#
121 0.0 24.7 37.1#

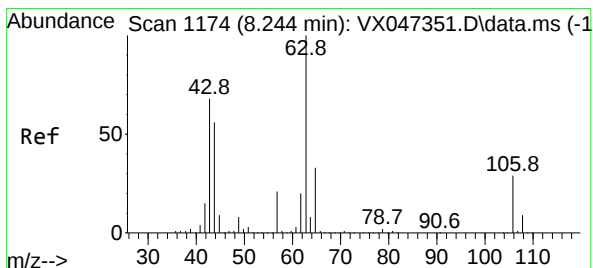
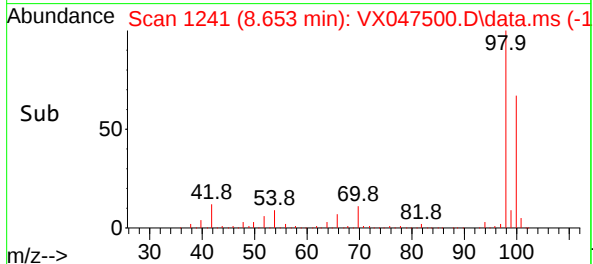
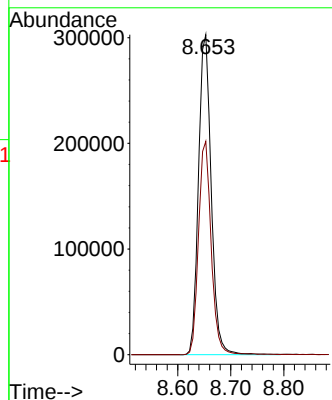
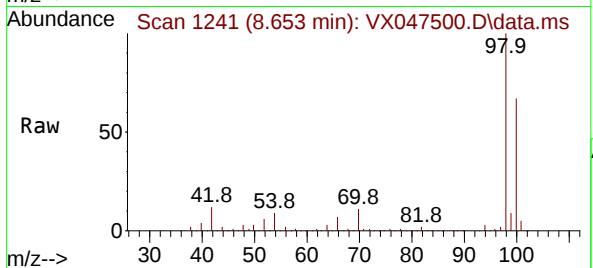




#50
Toluene-d8
Concen: 48.633 ug/l
RT: 8.653 min Scan# 1154
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

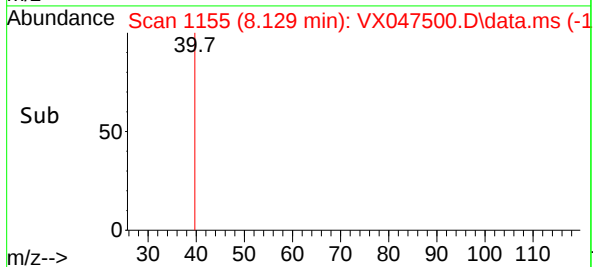
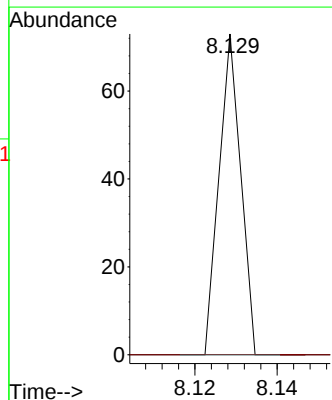
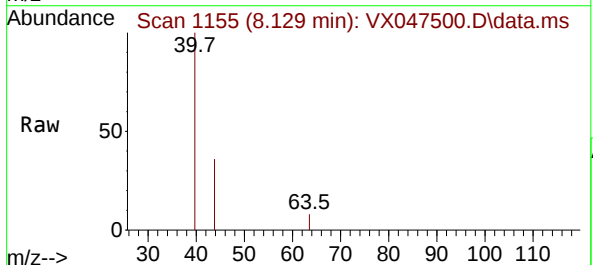
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

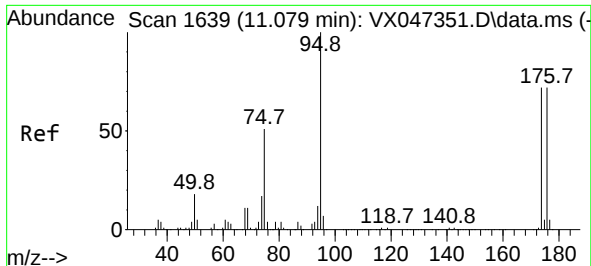
Tgt Ion: 98 Resp: 502930
Ion Ratio Lower Upper
98 100
100 66.5 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.367 ug/l
RT: 8.129 min Scan# 1155
Delta R.T. -0.116 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#





#62

4-Bromofluorobenzene

Concen: 55.691 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047500.D

Acq: 22 Aug 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

ENV-SW03

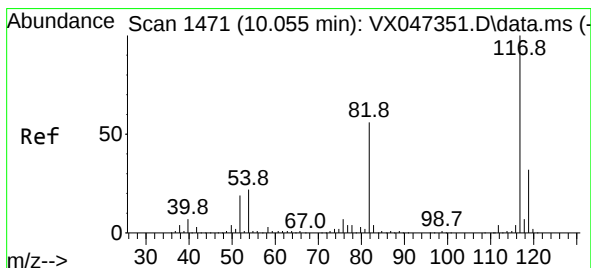
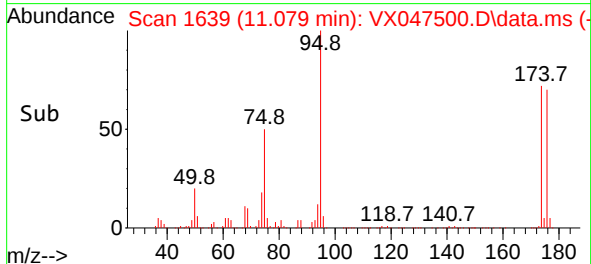
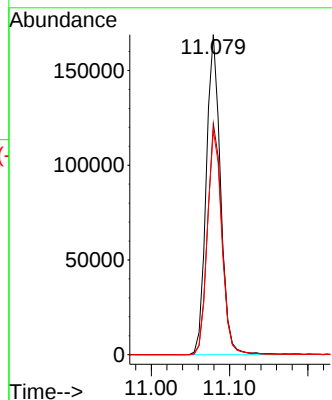
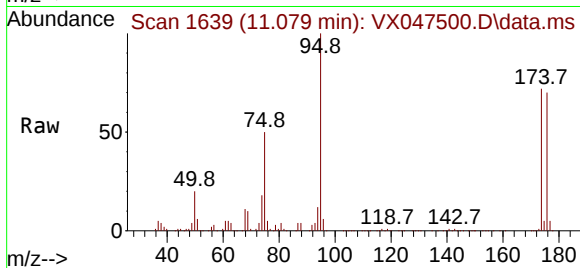
Tgt Ion: 95 Resp: 212526

Ion Ratio Lower Upper

95 100

174 73.4 0.0 148.0

176 71.3 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: VX047500.D

Acq: 22 Aug 2025 16:04

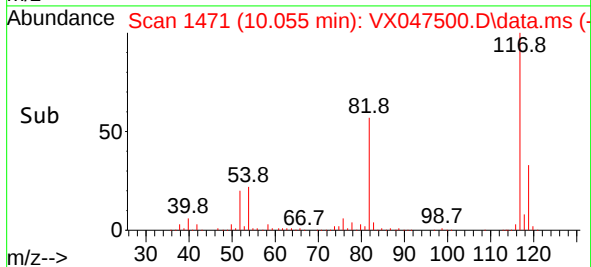
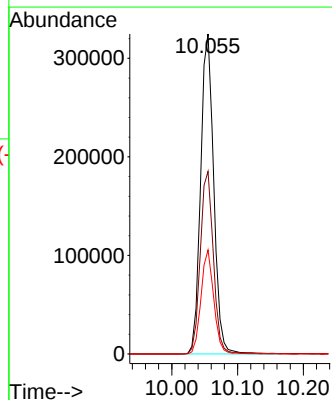
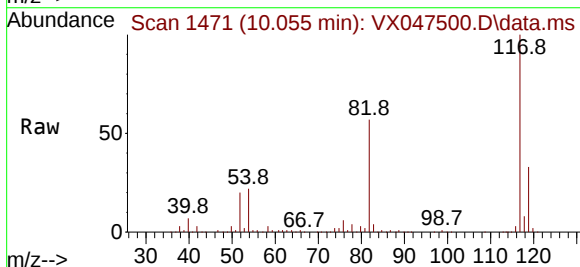
Tgt Ion: 117 Resp: 449549

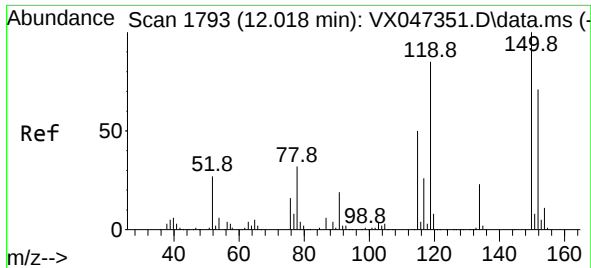
Ion Ratio Lower Upper

117 100

82 57.1 45.0 67.4

119 32.5 25.8 38.8

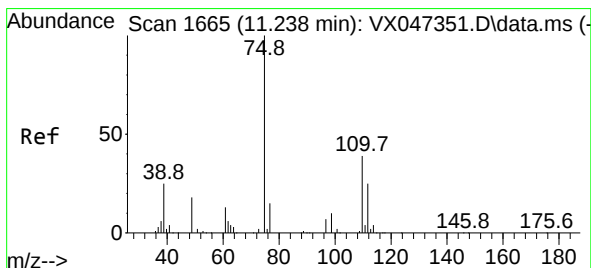
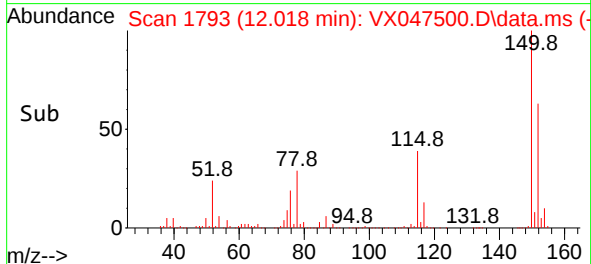
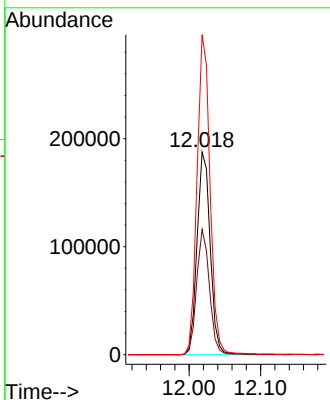
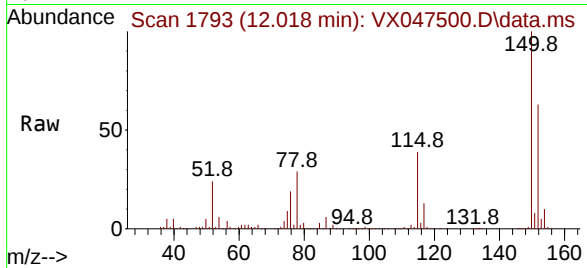




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047500.D
 Acq: 22 Aug 2025 16:04

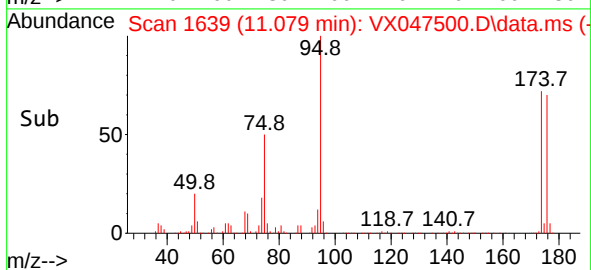
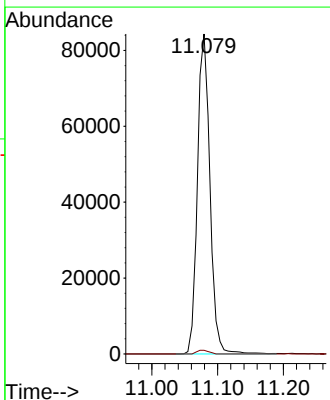
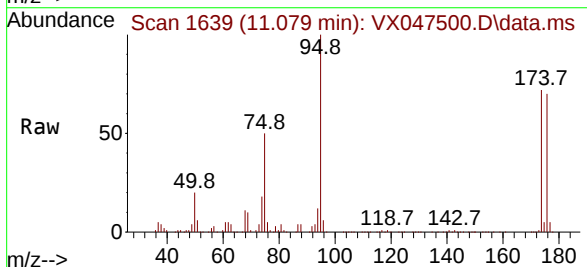
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-SW03

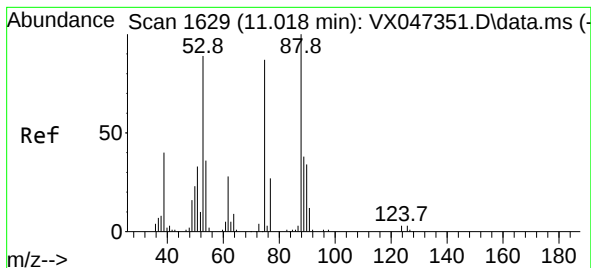
Tgt Ion:152 Resp: 239933
 Ion Ratio Lower Upper
 152 100
 115 60.1 44.6 133.8
 150 156.1 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 25.289 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047500.D
 Acq: 22 Aug 2025 16:04

Tgt Ion: 75 Resp: 111287
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

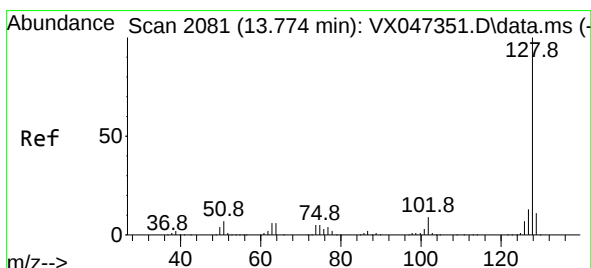
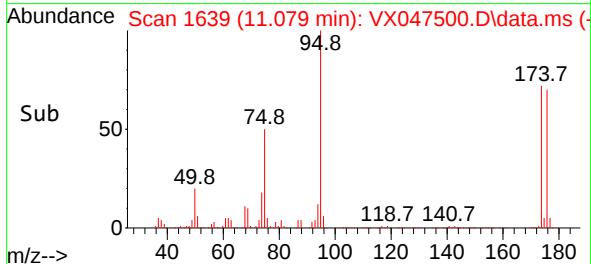
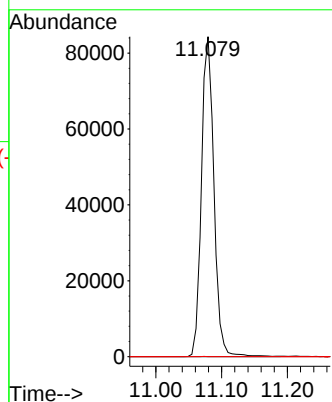
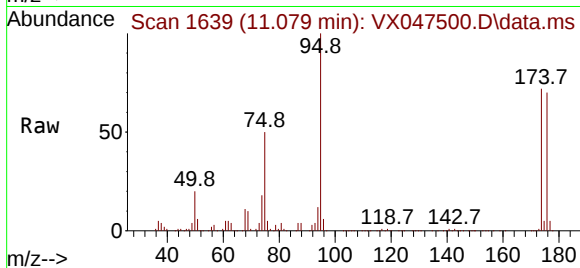




#81
trans-1,4-Dichloro-2-butene
Concen: 100.500 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion: 75 Resp: 111287
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 0.305 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion:128 Resp: 4851
Ion Ratio Lower Upper
128 100
127 11.6 10.1 15.1
129 4.5 8.7 13.1#

