

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046150.D
 Acq On : 12 May 2025 19:49
 Operator : JC/MD
 Sample : Q2004-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STONE-STOCK

Quant Time: May 13 03:23:51 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)

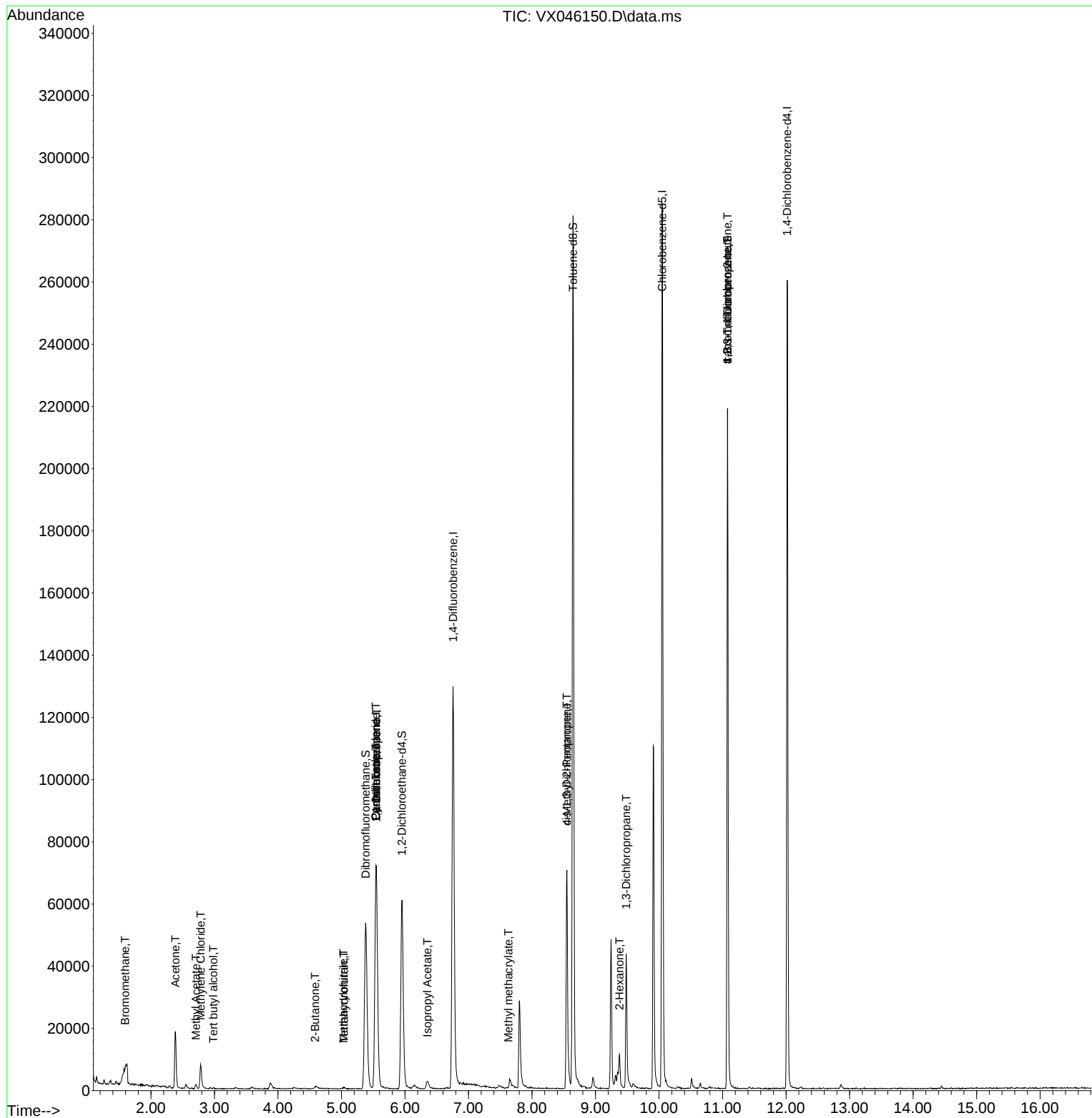
Internal Standards						
1) Pentafluorobenzene	5.544	168	61700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63781	55.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.900%
35) Dibromofluoromethane	5.379	113	46172	52.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.260%
50) Toluene-d8	8.647	98	157098	51.242	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.480%
62) 4-Bromofluorobenzene	11.079	95	57927	49.257	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.520%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	82	0.207	ug/l #	4
11) Tert butyl alcohol	2.983	59	298	1.846	ug/l #	72
16) Acetone	2.386	43	20945	45.413	ug/l	98
18) Methyl Acetate	2.709	43	2052	1.917	ug/l #	86
20) Methylene Chloride	2.782	84	3633	4.111	ug/l	96
25) 2-Butanone	4.587	43	2117	3.162	ug/l	93
29) Tetrahydrofuran	5.038	42	321	0.765	ug/l #	65
31) Cyclohexane	5.544	56	1827	1.333	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	6355	5.340	ug/l #	48
38) Carbon Tetrachloride	5.544	117	7696	5.755	ug/l #	17
41) Methacrylonitrile	5.032	41	164	0.213	ug/l #	25
43) Isopropyl Acetate	6.355	43	4061	1.810	ug/l	95
48) Methyl methacrylate	7.629	41	662	0.578	ug/l #	36
51) 4-Methyl-2-Pentanone	8.549	43	27864	18.713	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	10709	8.095	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	407	0.269	ug/l #	42
59) 2-Hexanone	9.378	43	9412	8.544	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	32913	29.116	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32913	94.791	ug/l #	1

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

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Quant Time: May 13 03:23:51 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

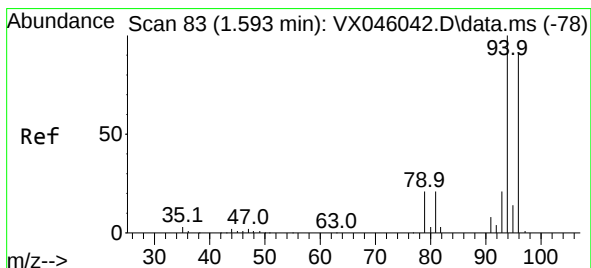
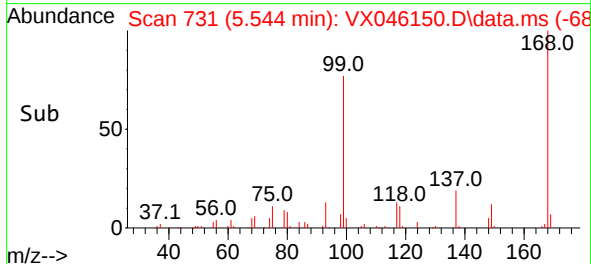
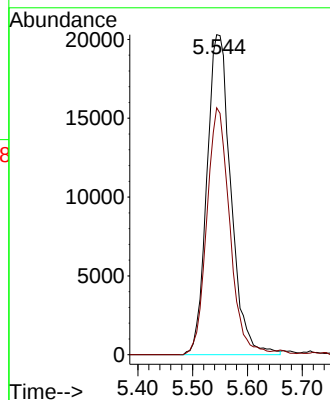
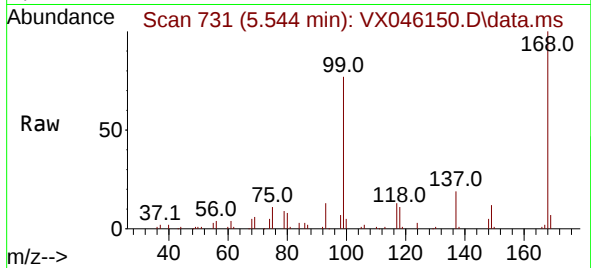




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

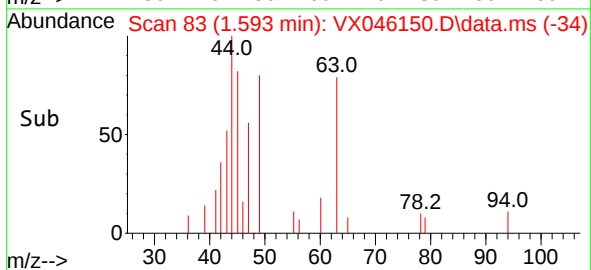
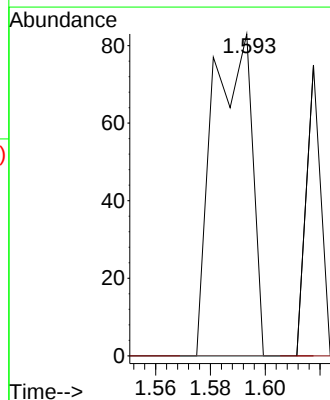
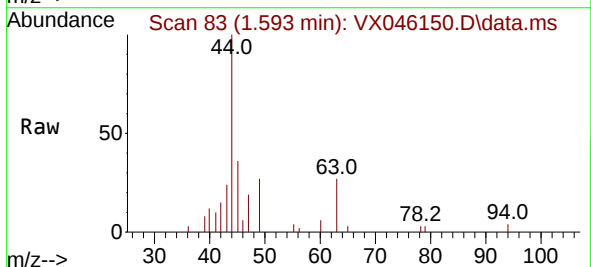
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

Tgt Ion:168 Resp: 61700
Ion Ratio Lower Upper
168 100
99 77.2 54.9 82.3



#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

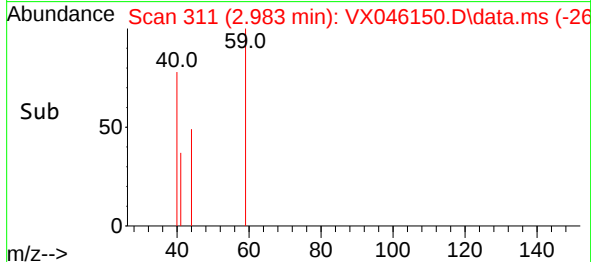
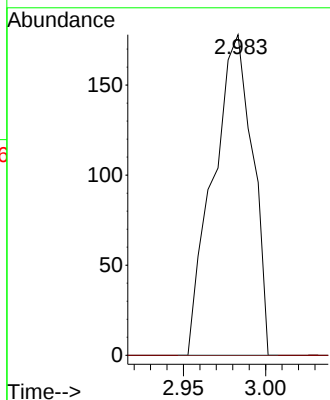
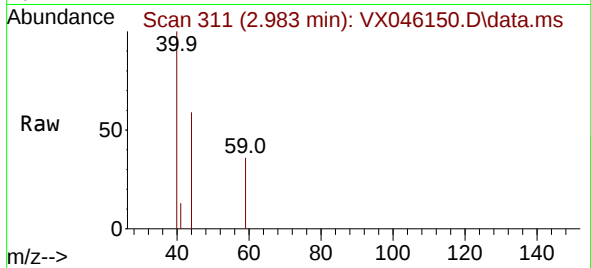




#11
Tert butyl alcohol
Concen: 1.846 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

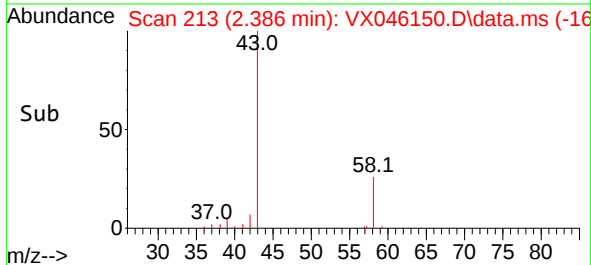
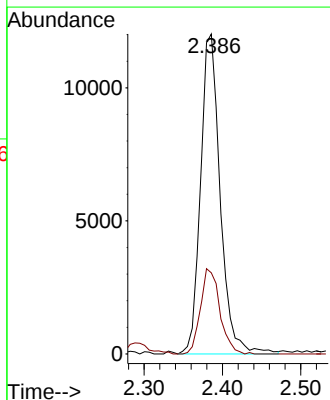
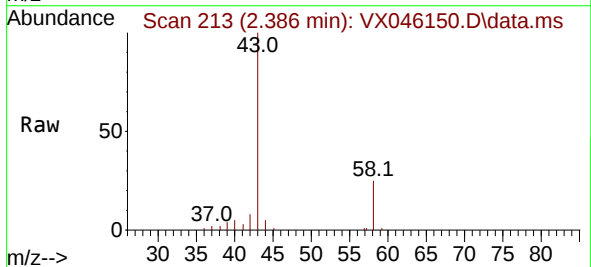
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

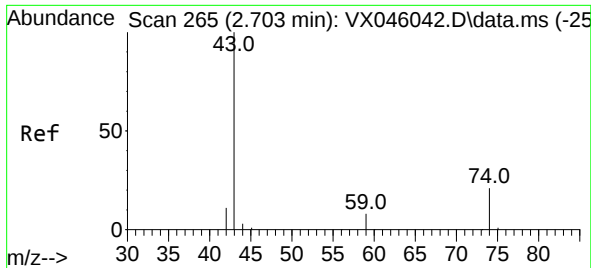
Tgt Ion: 59 Resp: 298
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 45.413 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 43 Resp: 20945
Ion Ratio Lower Upper
43 100
58 25.3 21.2 31.8

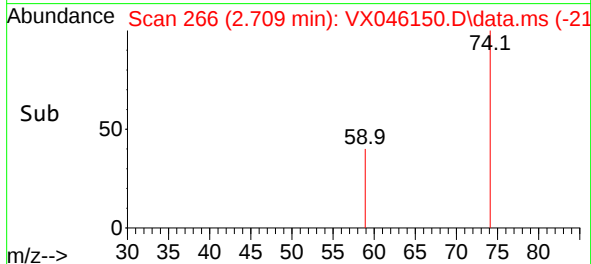
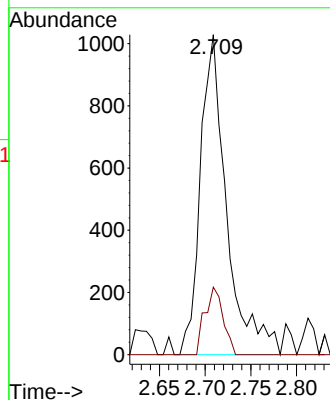
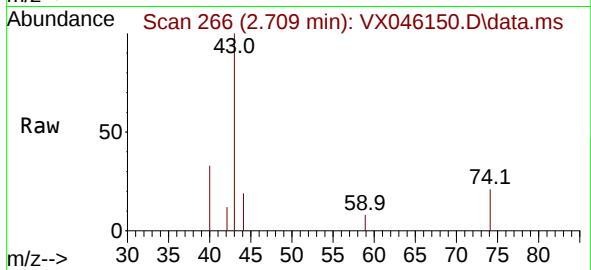




#18
Methyl Acetate
Concen: 1.917 ug/l
RT: 2.709 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

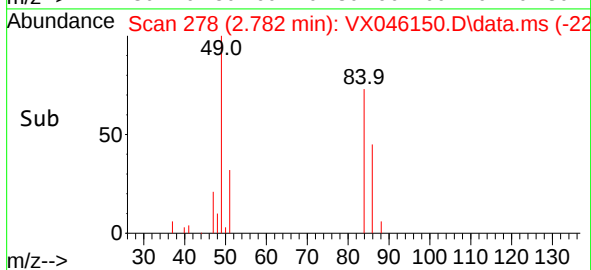
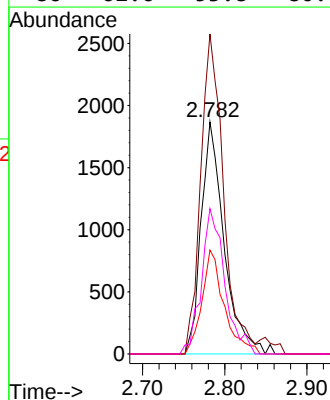
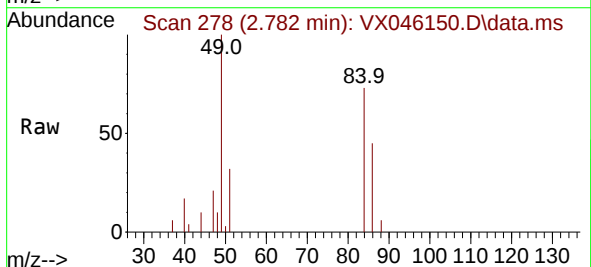
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

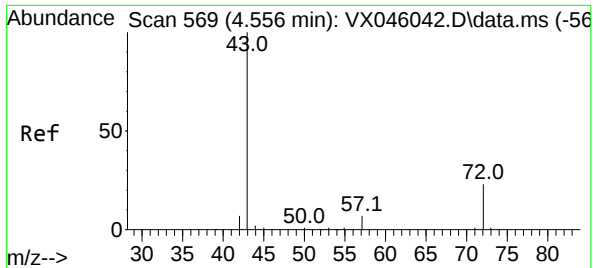
Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
74 14.6 16.7 25.1#



#20
Methylene Chloride
Concen: 4.111 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 84 Resp: 3633
Ion Ratio Lower Upper
84 100
49 137.9 113.9 170.9
51 44.8 33.5 50.3
86 62.6 53.8 80.8

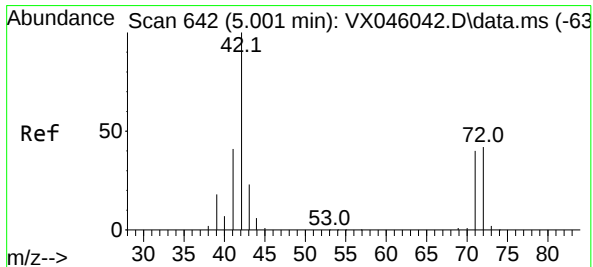
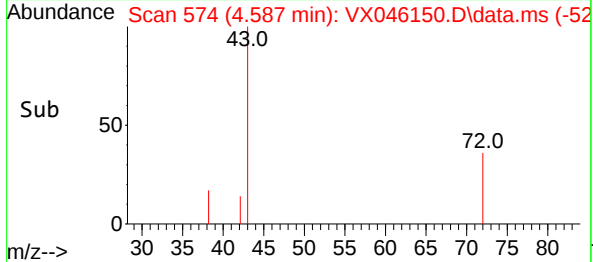
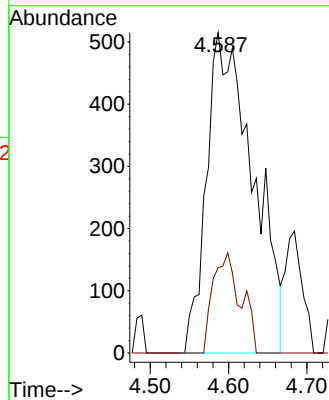
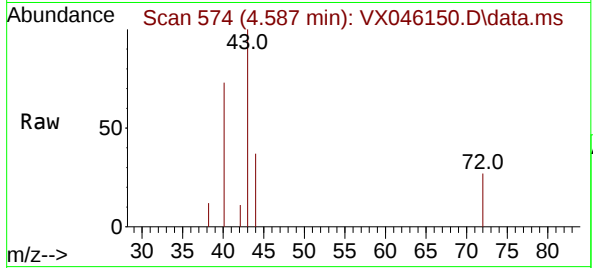




#25
2-Butanone
Concen: 3.162 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

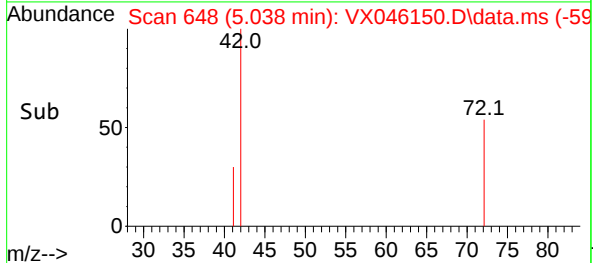
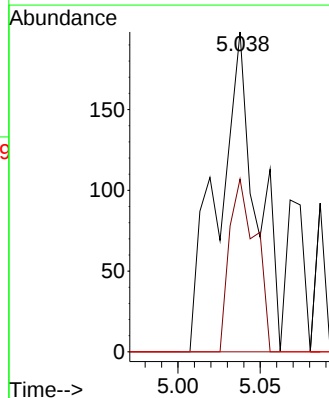
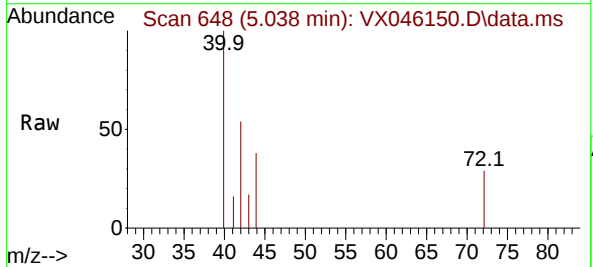
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

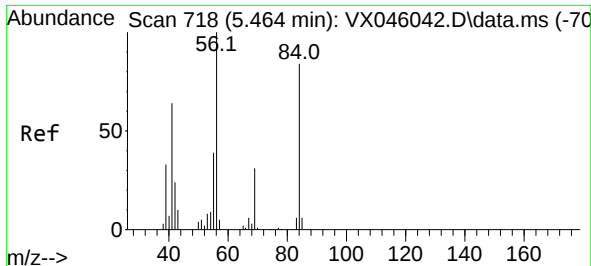
Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
72 26.6 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.765 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 42 Resp: 321
Ion Ratio Lower Upper
42 100
72 37.4 33.7 50.5
71 0.0 31.4 47.2#

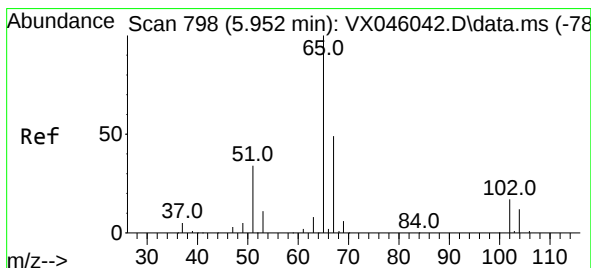
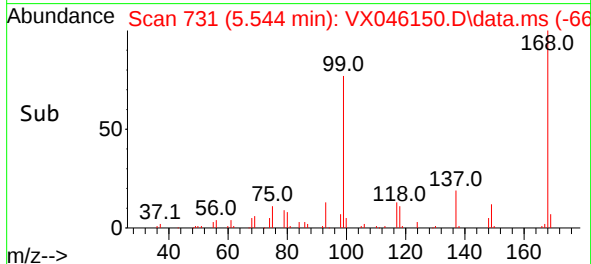
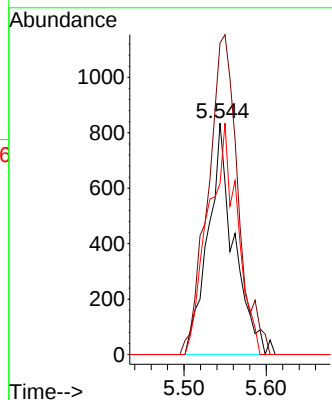
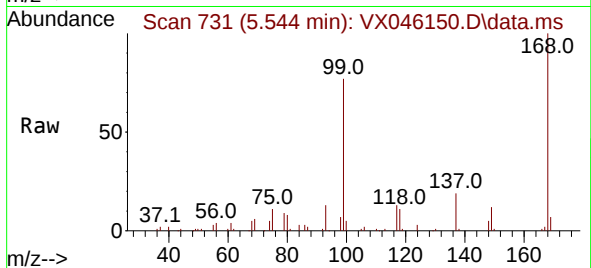




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

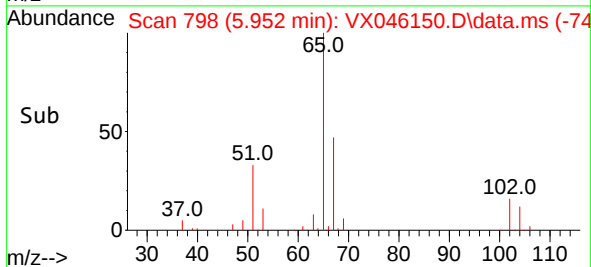
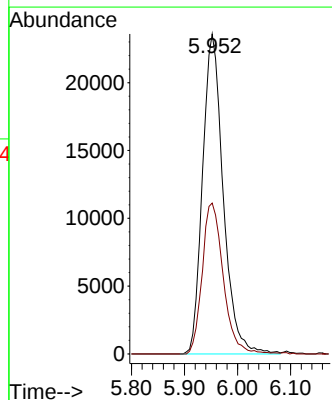
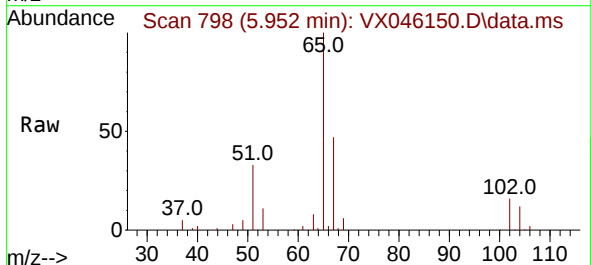
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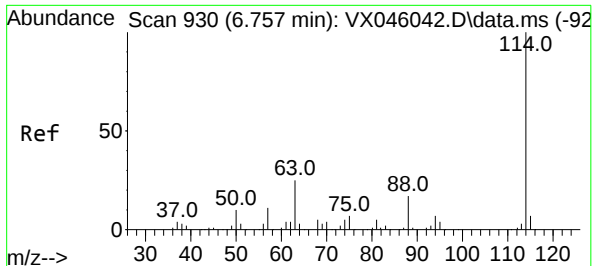
Tgt Ion: 56 Resp: 1827
Ion Ratio Lower Upper
56 100
69 134.6 24.4 36.6#
84 73.9 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 55.448 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 65 Resp: 63781
Ion Ratio Lower Upper
65 100
67 48.1 0.0 99.0

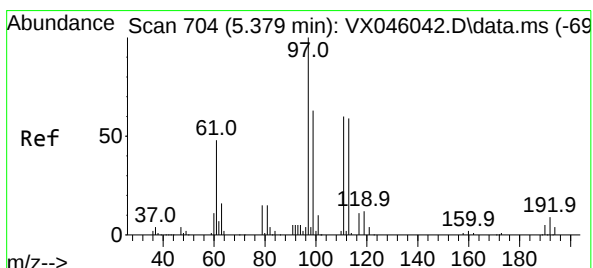
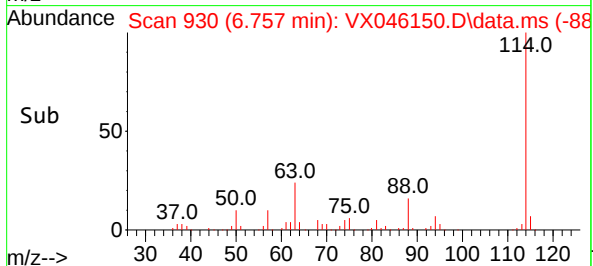
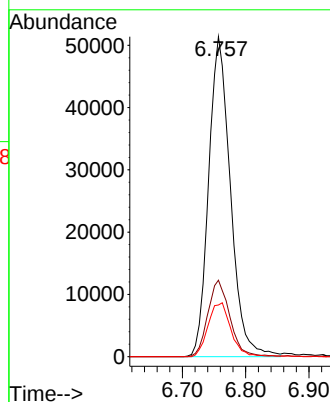
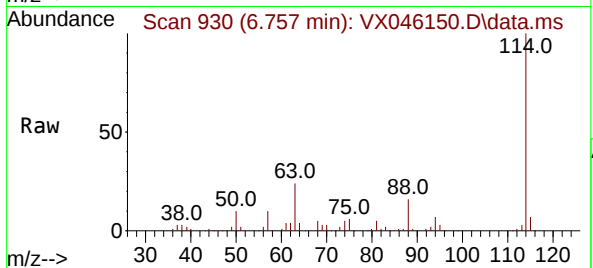




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

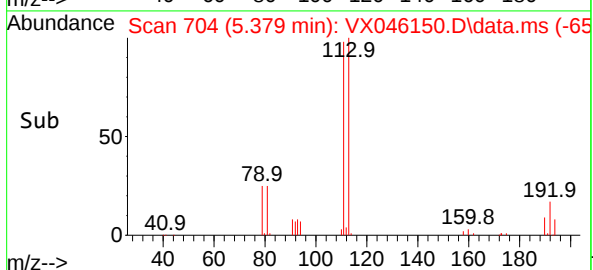
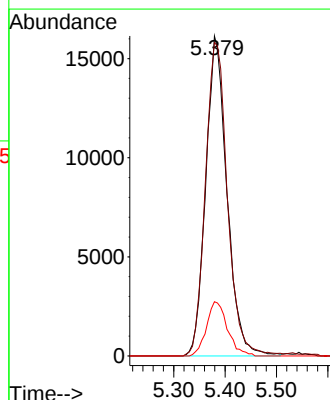
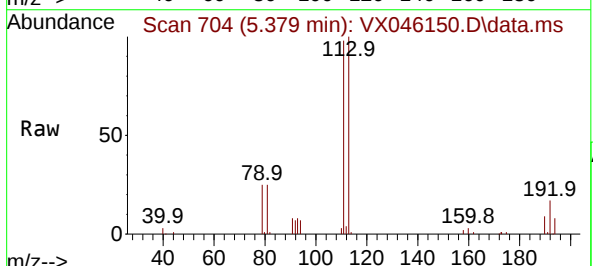
Instrument :
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Tgt Ion:114 Resp: 123008
Ion Ratio Lower Upper
114 100
63 23.9 0.0 49.2
88 16.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 52.125 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion:113 Resp: 46172
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 16.8 13.3 19.9

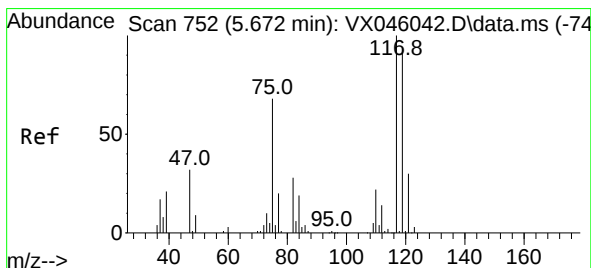
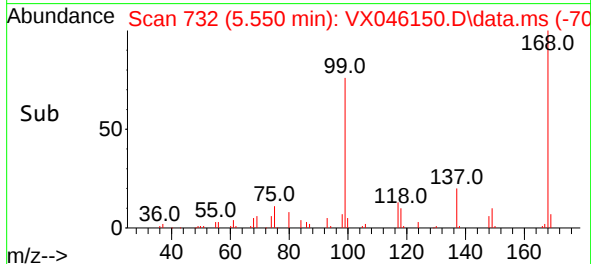
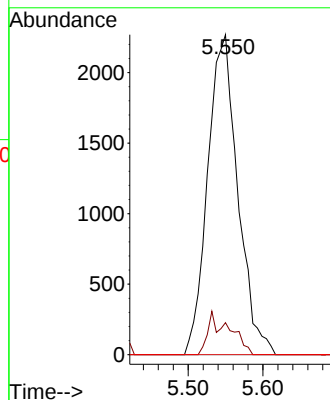
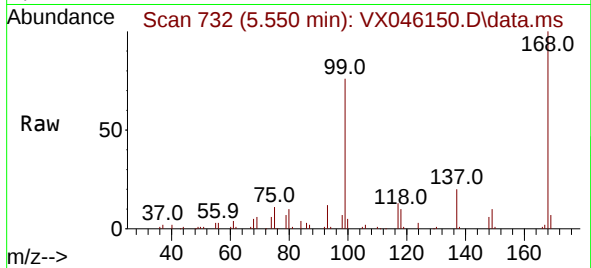




#36
1,1-Dichloropropene
Concen: 5.340 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

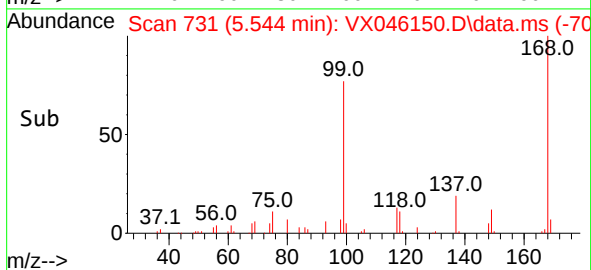
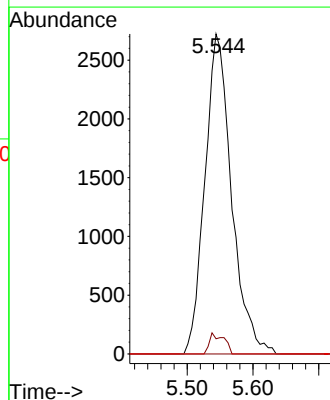
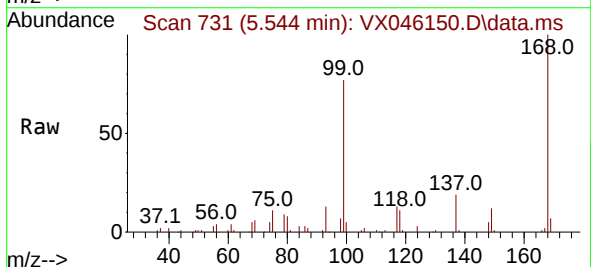
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

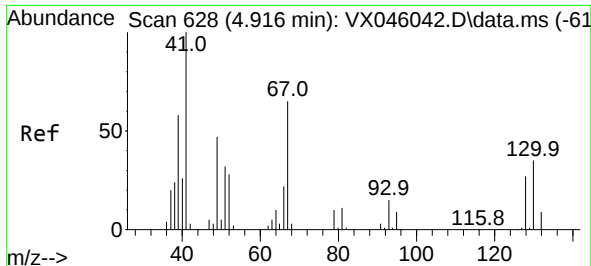
Tgt Ion: 75 Resp: 6355
Ion Ratio Lower Upper
75 100
110 4.9 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.755 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 117 Resp: 7696
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 24.2 36.4#

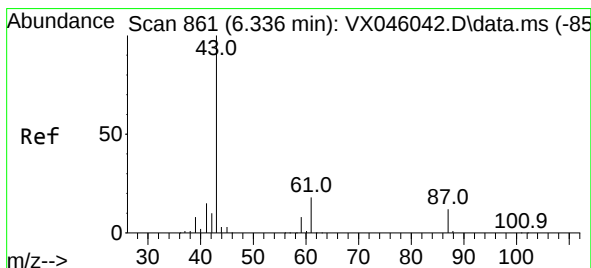
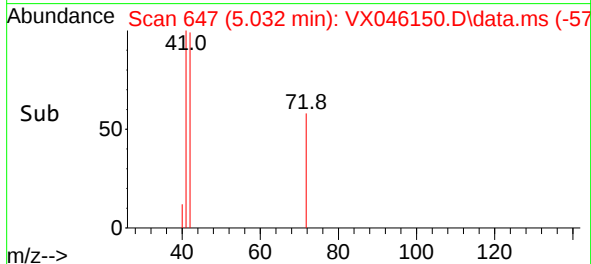
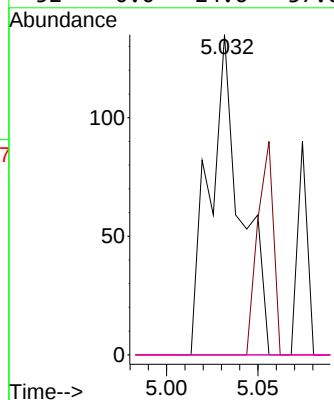
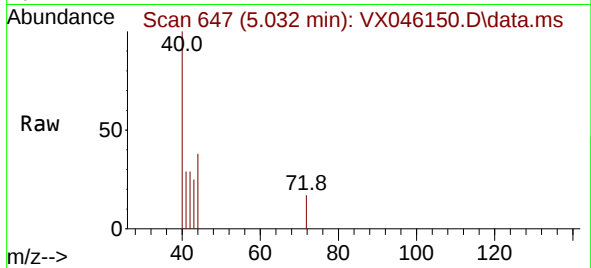




#41
Methacrylonitrile
Concen: 0.213 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

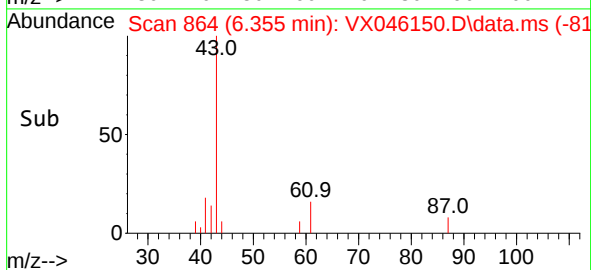
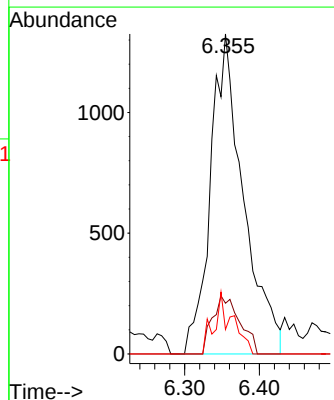
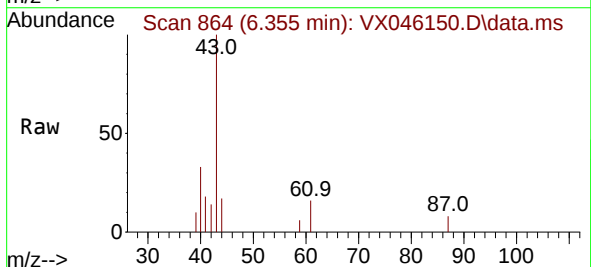
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

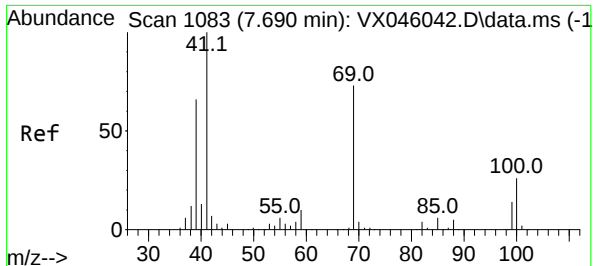
Tgt Ion: 41	Resp:	164
Ion	Ratio	Lower Upper
41	100	
39	0.0	47.2 70.8#
67	0.0	50.7 76.1#
52	0.0	24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.810 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 43	Resp:	4061
Ion	Ratio	Lower Upper
43	100	
61	15.1	14.3 21.5
87	10.9	9.5 14.3





#48

Methyl methacrylate

Concen: 0.578 ug/l

RT: 7.629 min Scan# 1083

Delta R.T. -0.061 min

Lab File: VX046150.D

Acq: 12 May 2025 19:49

Instrument :

MSVOA_X

ClientSampleId :

STONE-STOCK

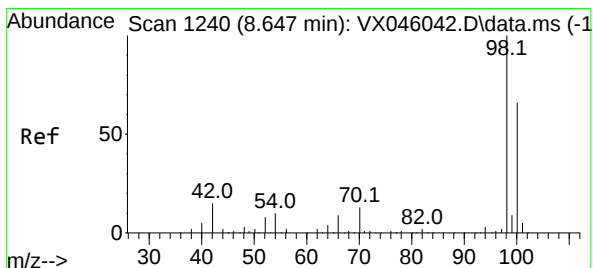
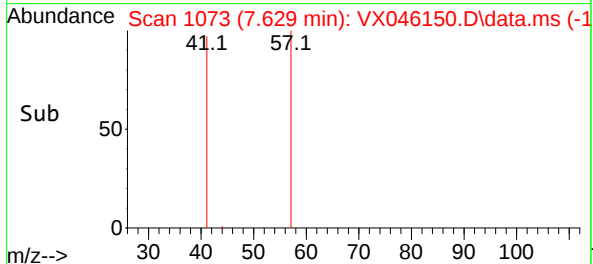
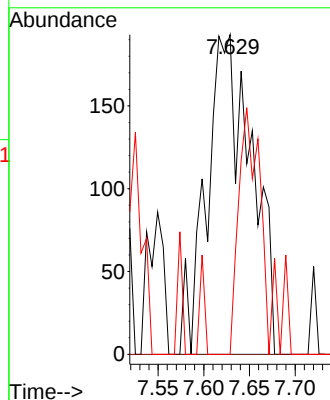
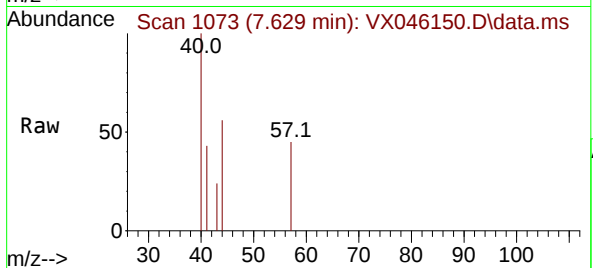
Tgt Ion: 41 Resp: 662

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 35.3 51.7 77.5#



#50

Toluene-d8

Concen: 51.242 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046150.D

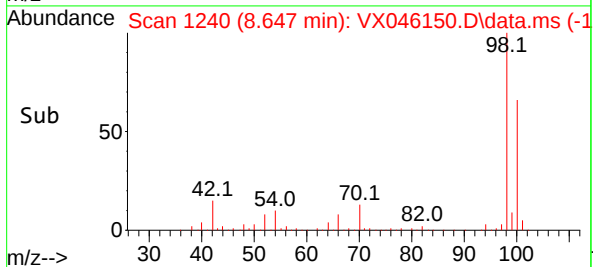
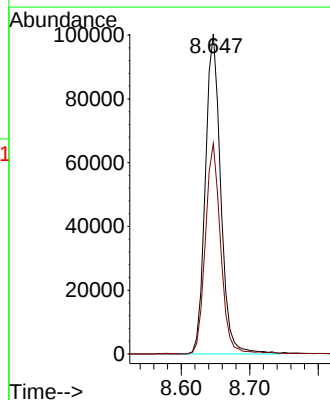
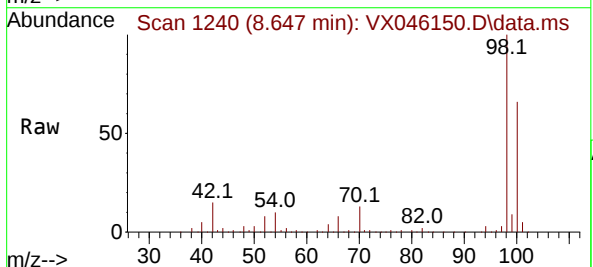
Acq: 12 May 2025 19:49

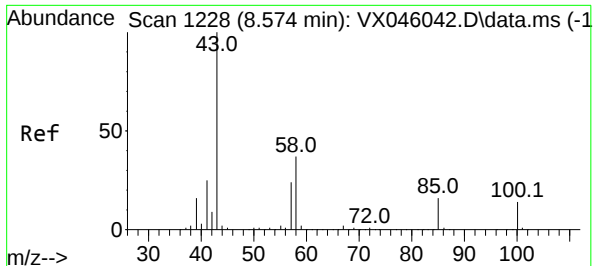
Tgt Ion: 98 Resp: 157098

Ion Ratio Lower Upper

98 100

100 65.3 53.5 80.3

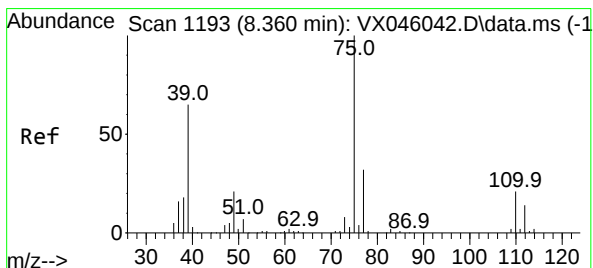
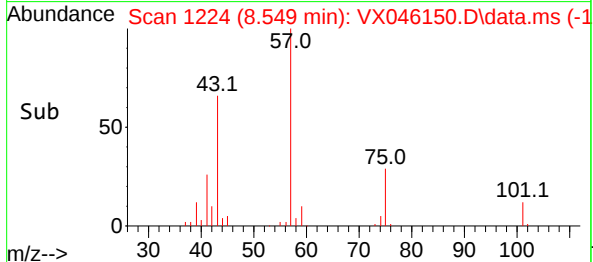
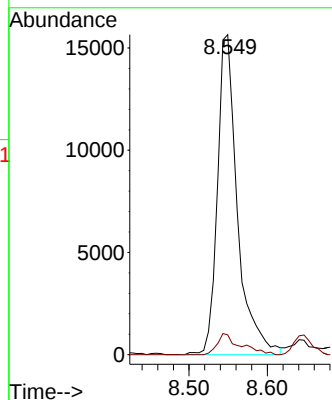
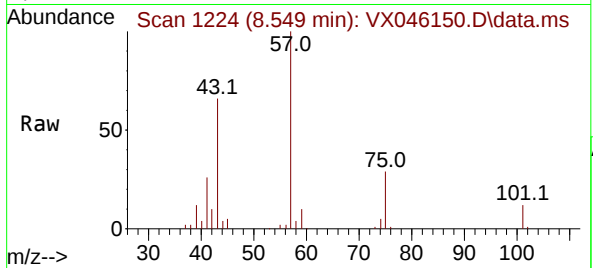




#51
4-Methyl-2-Pentanone
Concen: 18.713 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

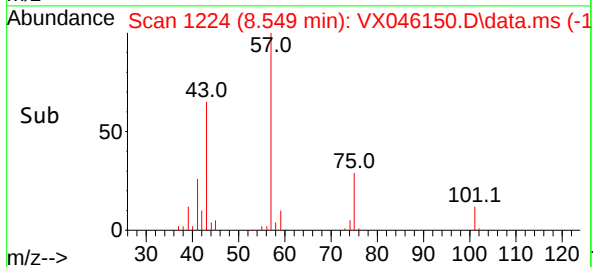
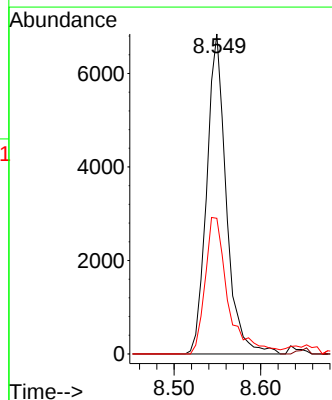
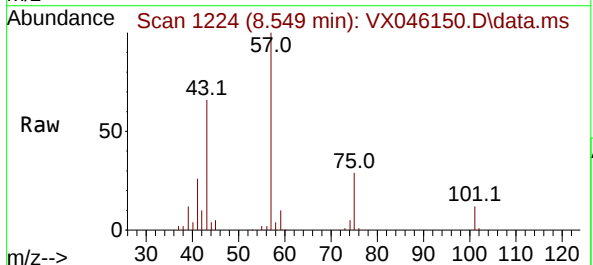
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

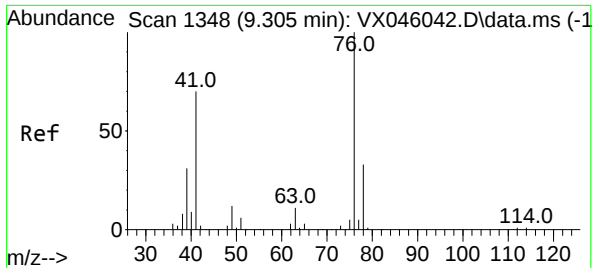
Tgt Ion: 43 Resp: 27864
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 8.095 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 75 Resp: 10709
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 42.4 52.2 78.4#

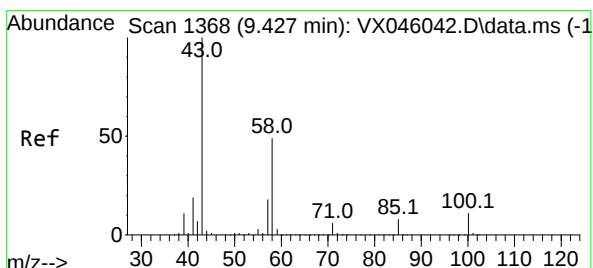
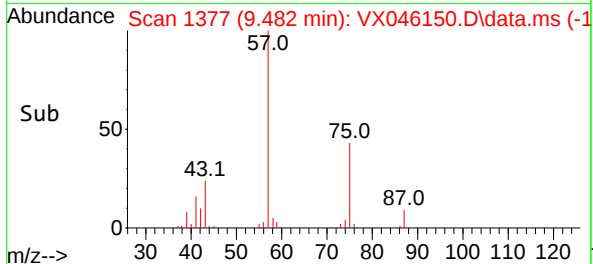
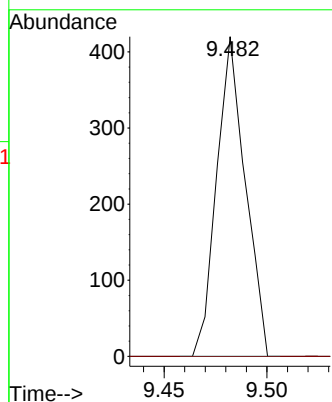
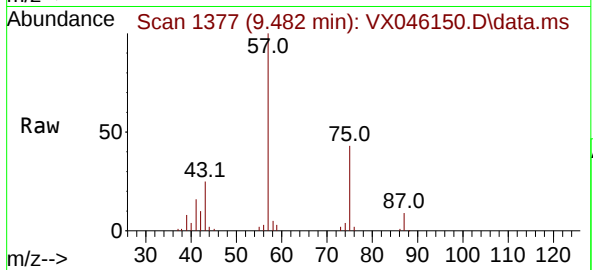




#57
1,3-Dichloropropane
Concen: 0.269 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

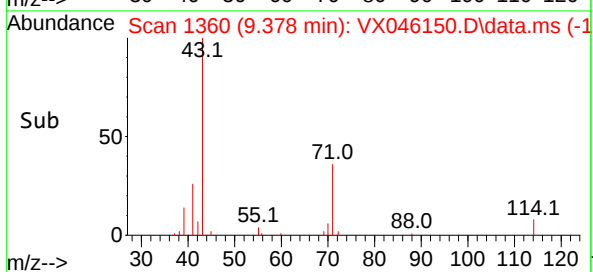
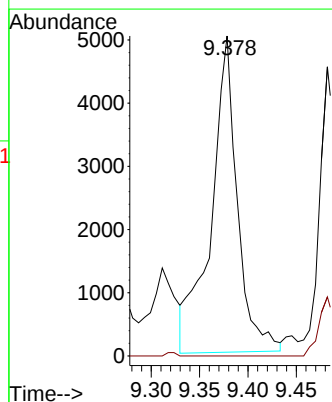
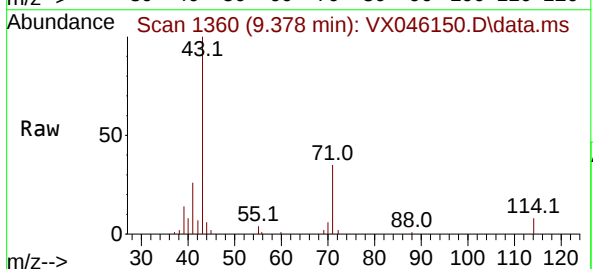
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

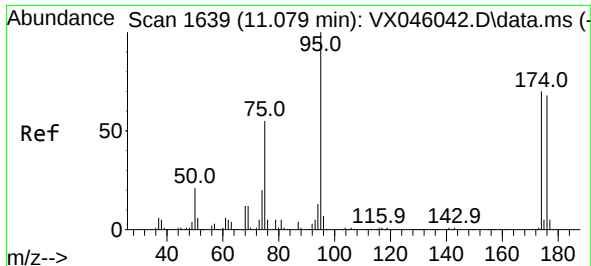
Tgt Ion: 76 Resp: 407
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 8.544 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 43 Resp: 9412
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

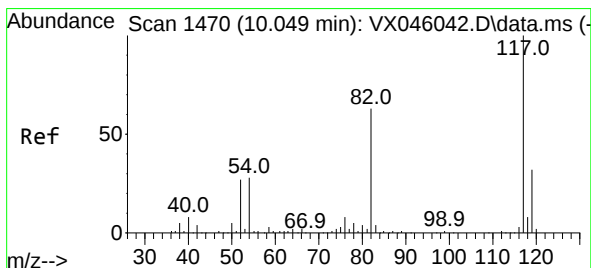
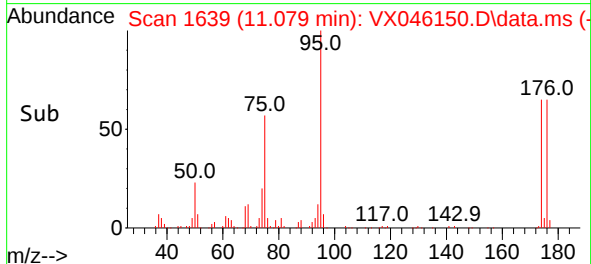
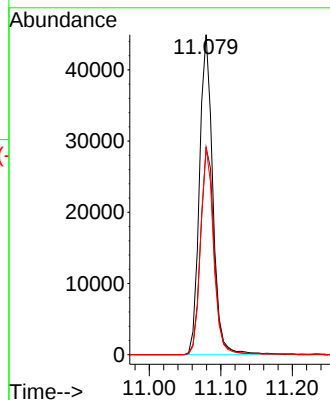
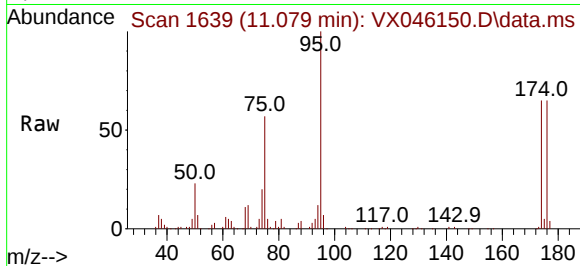




#62
4-Bromofluorobenzene
Concen: 49.257 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

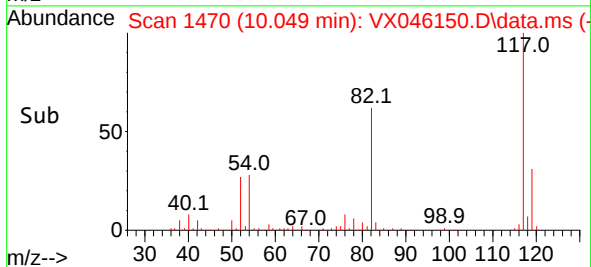
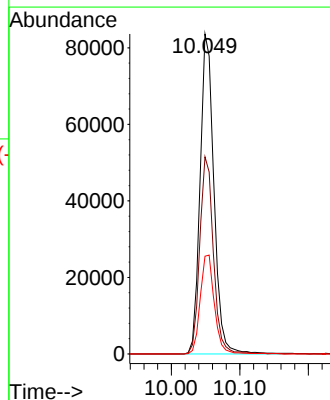
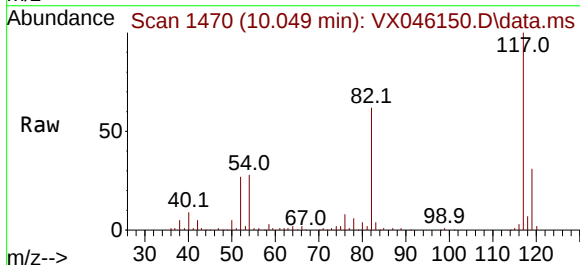
Instrument :
MSVOA_X
ClientSampleId :
STONE-STOCK

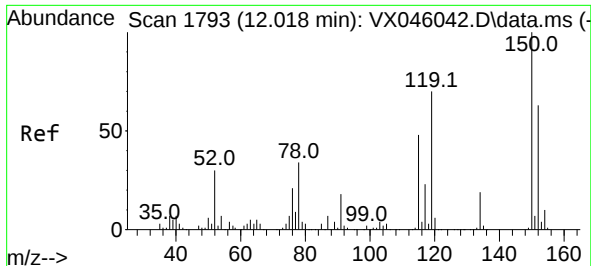
Tgt Ion: 95 Resp: 57927
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 63.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046150.D
Acq: 12 May 2025 19:49

Tgt Ion: 117 Resp: 117848
Ion Ratio Lower Upper
117 100
82 61.6 50.6 76.0
119 30.5 25.8 38.6

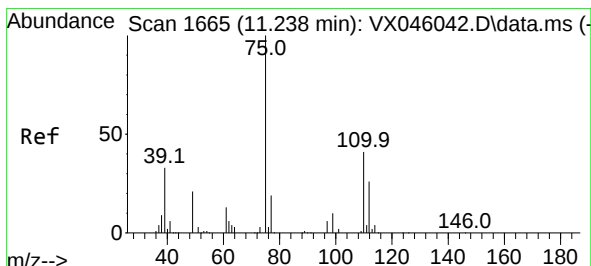
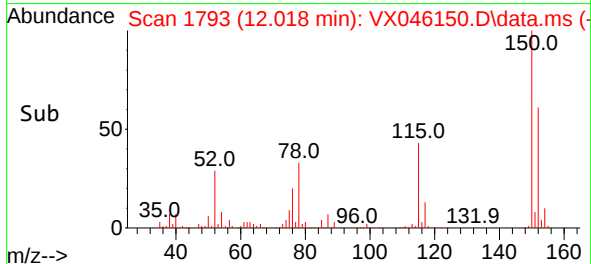
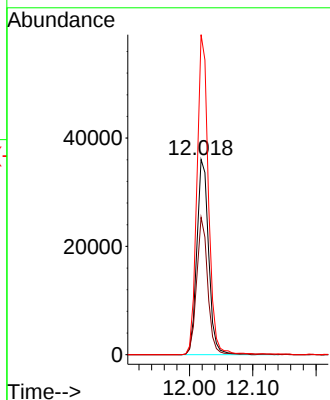
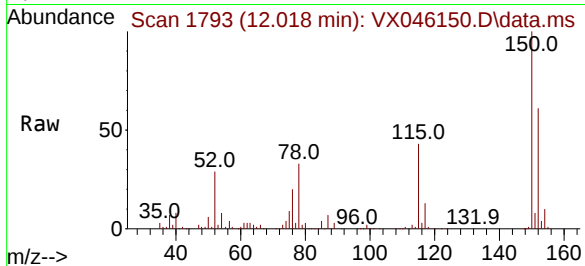




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046150.D
 Acq: 12 May 2025 19:49

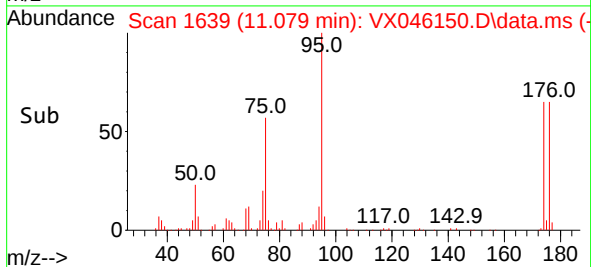
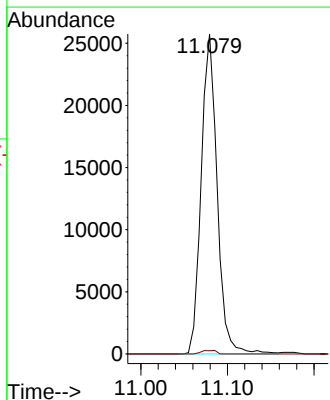
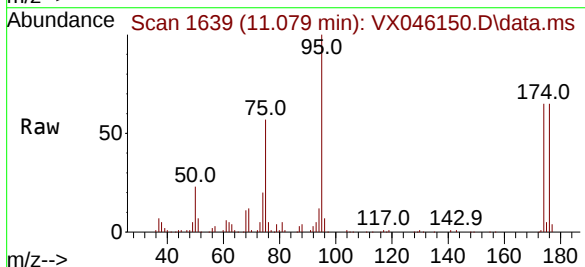
Instrument :
 MSVOA_X
 ClientSampleId :
 STONE-STOCK

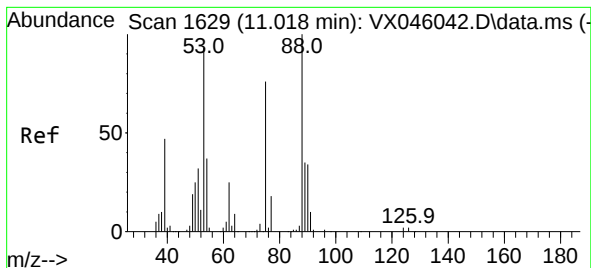
Tgt Ion:152 Resp: 46963
 Ion Ratio Lower Upper
 152 100
 115 66.1 46.9 140.7
 150 159.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.116 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046150.D
 Acq: 12 May 2025 19:49

Tgt Ion: 75 Resp: 32913
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.791 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046150.D
 Acq: 12 May 2025 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 STONE-STOCK

Tgt Ion: 75 Resp: 32913
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

