

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047394.D
 Acq On : 18 Aug 2025 19:31
 Operator : JC/MD
 Sample : Q2875-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SAND-BLAST-A

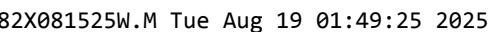
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

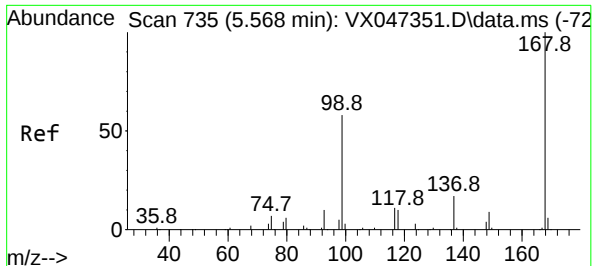
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	207893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	421291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	428741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	222124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167473	57.560	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 115.120%		
35) Dibromofluoromethane	5.403	113	137830	50.409	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.820%		
50) Toluene-d8	8.653	98	490011	50.140	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.280%		
62) 4-Bromofluorobenzene	11.079	95	204015	56.571	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 113.140%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	2657	0.604	ug/l #	79
11) Tert butyl alcohol	2.977	59	872	3.445	ug/l #	79
13) Acrolein	2.258	56	847	1.585	ug/l #	57
16) Acetone	2.398	43	58178	53.197	ug/l	99
17) Carbon Disulfide	2.532	76	7904	1.001	ug/l	99
18) Methyl Acetate	2.721	43	25948	9.156	ug/l	98
20) Methylene Chloride	2.806	84	14119	4.875	ug/l	97
25) 2-Butanone	4.599	43	7957	5.555	ug/l	98
29) Tetrahydrofuran	5.062	42	983	1.062	ug/l #	44
31) Cyclohexane	5.574	56	4796	1.024	ug/l #	11
36) 1,1-Dichloropropene	5.562	75	17555	4.067	ug/l #	46
37) Ethyl Acetate	4.757	43	11188	2.497	ug/l #	78
38) Carbon Tetrachloride	5.562	117	22027	4.670	ug/l #	15
43) Isopropyl Acetate	6.367	43	11374	1.767	ug/l	94
48) Methyl methacrylate	7.799	41	98595	29.508	ug/l #	44
49) 1,4-Dioxane	7.811	88	239	7.358	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	132911	35.880	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	59801	12.427	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	4175	0.808	ug/l #	42
59) 2-Hexanone	9.482	43	55693	21.735	ug/l #	54
74) N-amyl acetate	10.860	43	5149	0.780	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	107461	26.377	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	107461	104.487	ug/l #	7

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

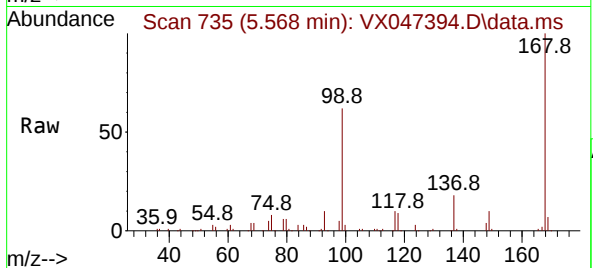
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
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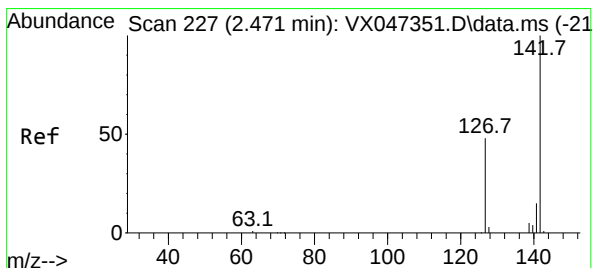
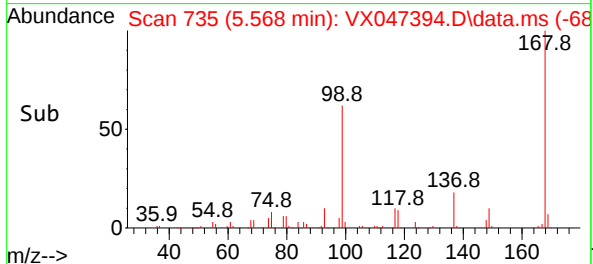
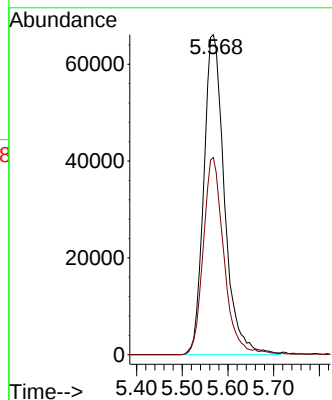


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

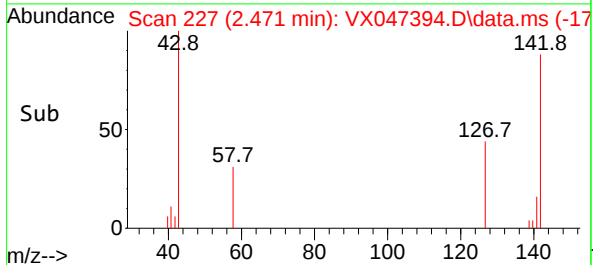
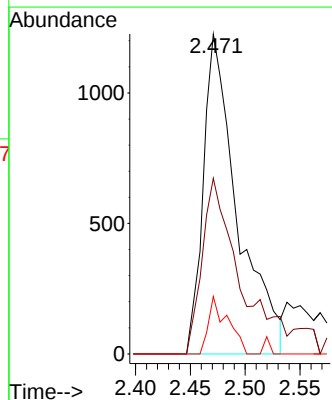
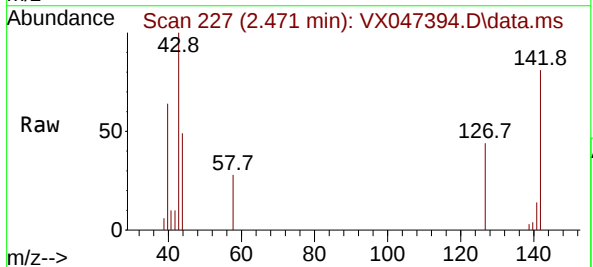


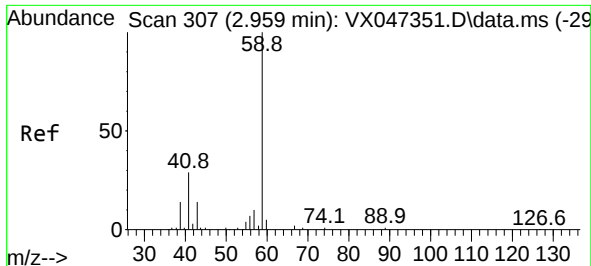
Tgt Ion:168 Resp: 207893
Ion Ratio Lower Upper
168 100
99 61.6 47.9 71.9



#10
Methyl Iodide
Concen: 0.604 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion:142 Resp: 2657
Ion Ratio Lower Upper
142 100
127 61.4 36.1 54.1#
141 10.2 11.1 16.7#





#11

Tert butyl alcohol

Concen: 3.445 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.018 min

Lab File: VX047394.D

Acq: 18 Aug 2025 19:31

Instrument :

MSVOA_X

ClientSampleId :

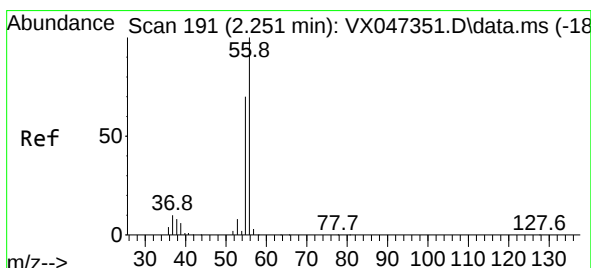
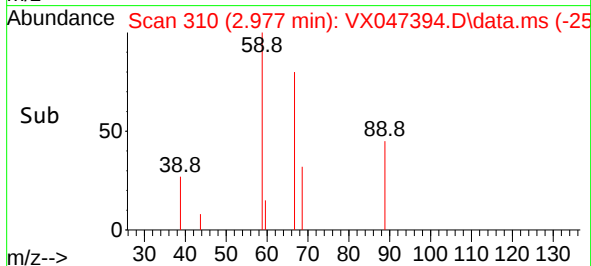
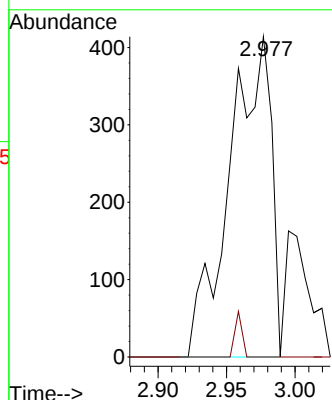
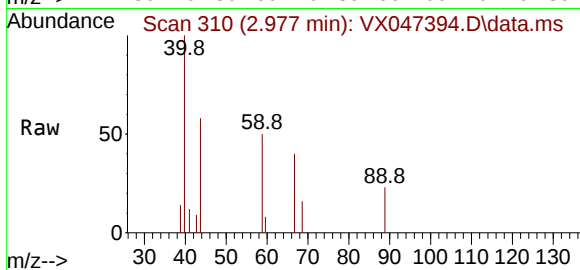
SAND-BLAST-A

Tgt Ion: 59 Resp: 872

Ion Ratio Lower Upper

59 100

57 2.5 8.3 12.5#



#13

Acrolein

Concen: 1.585 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.006 min

Lab File: VX047394.D

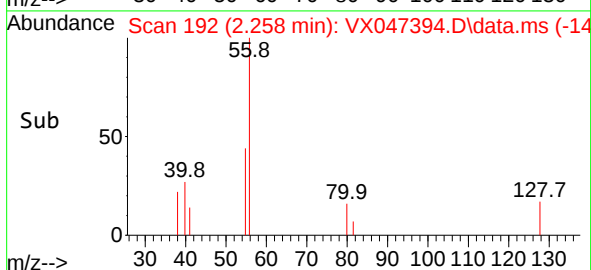
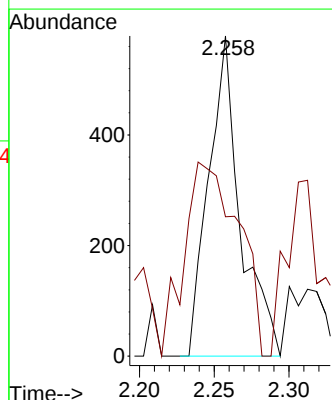
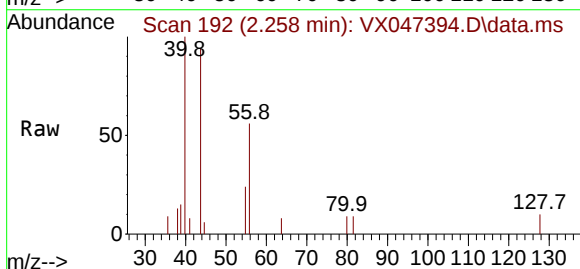
Acq: 18 Aug 2025 19:31

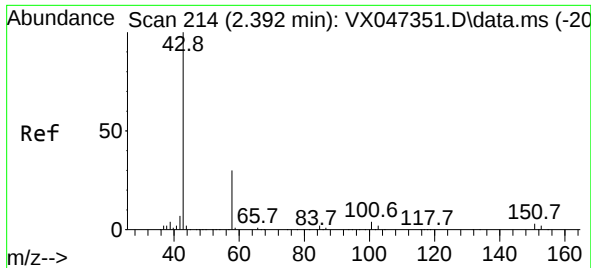
Tgt Ion: 56 Resp: 847

Ion Ratio Lower Upper

56 100

55 104.5 55.5 83.3#

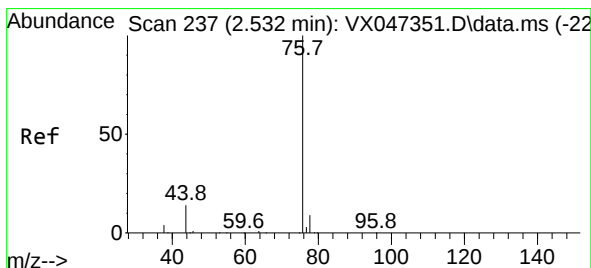
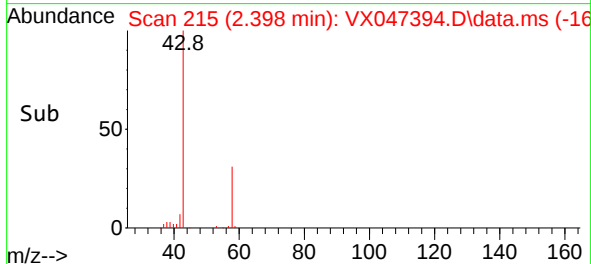
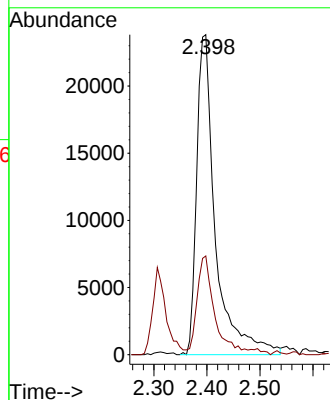
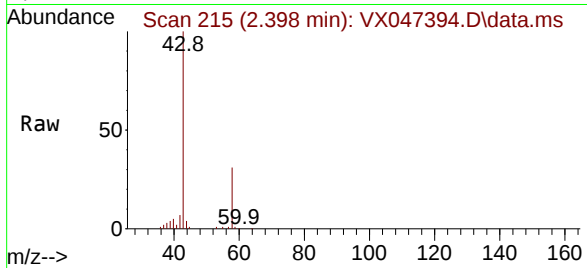




#16
Acetone
Concen: 53.197 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

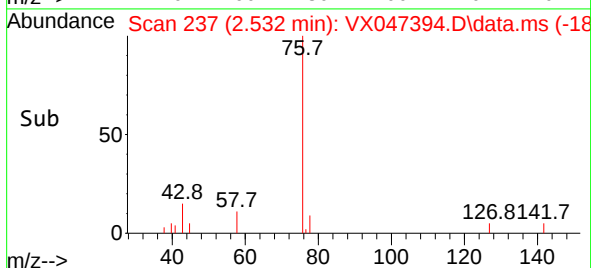
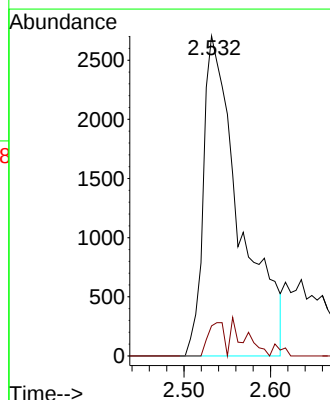
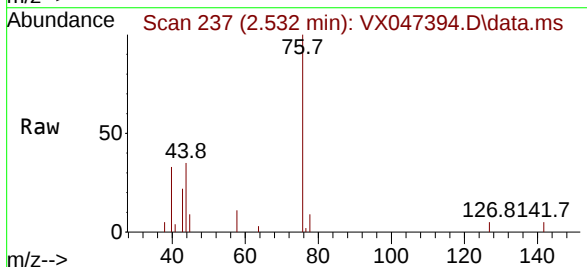
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

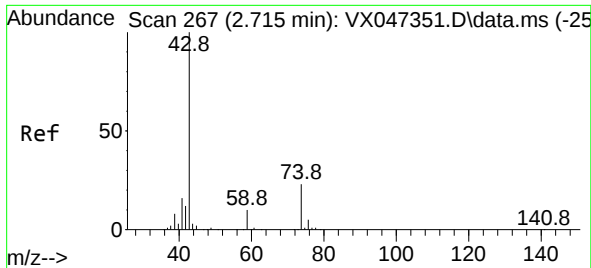
Tgt Ion: 43 Resp: 58178
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2



#17
Carbon Disulfide
Concen: 1.001 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 76 Resp: 7904
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

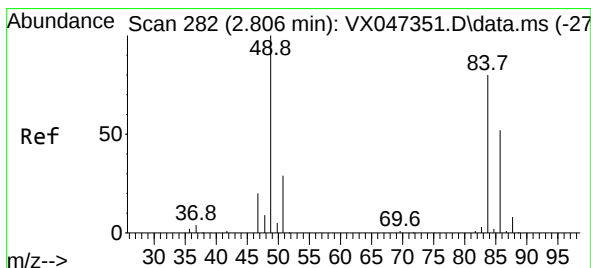
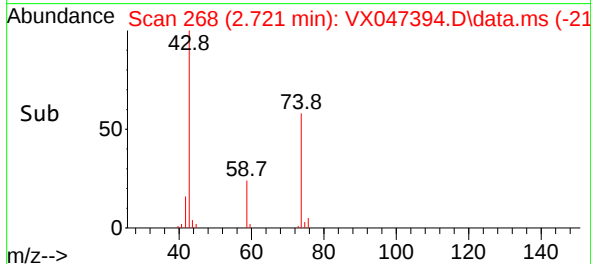
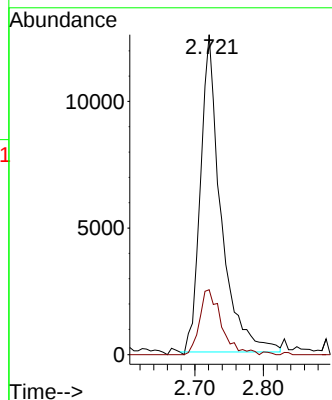
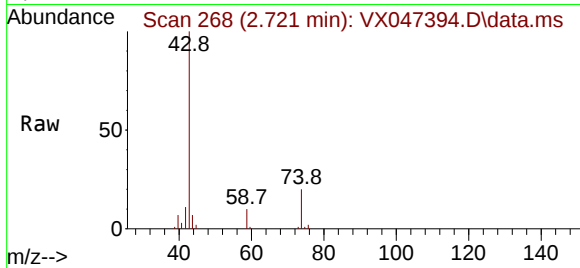




#18
Methyl Acetate
Concen: 9.156 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

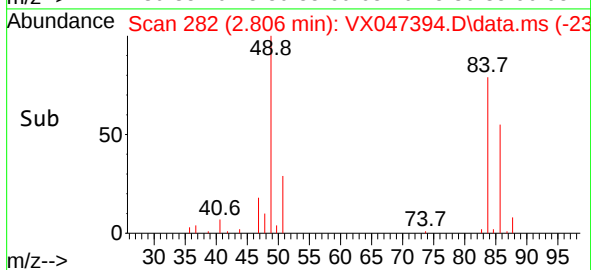
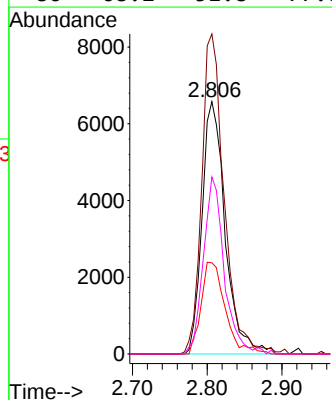
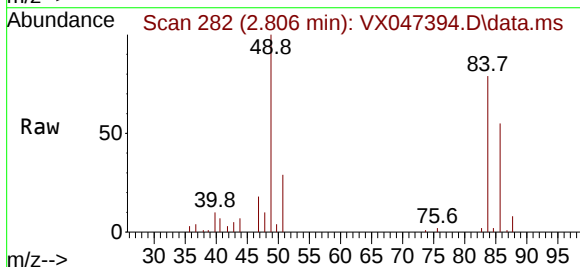
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

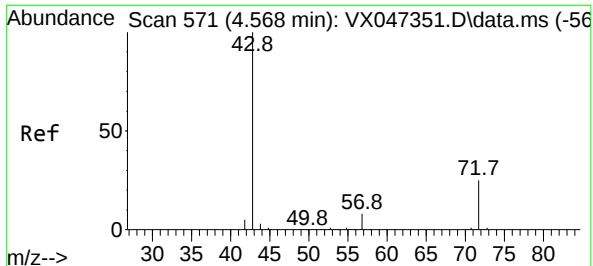
Tgt Ion: 43 Resp: 25948
Ion Ratio Lower Upper
43 100
74 21.8 18.4 27.6



#20
Methylene Chloride
Concen: 4.875 ug/l
RT: 2.806 min Scan# 282
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 84 Resp: 14119
Ion Ratio Lower Upper
84 100
49 123.4 100.1 150.1
51 35.2 29.5 44.3
86 68.2 51.8 77.8

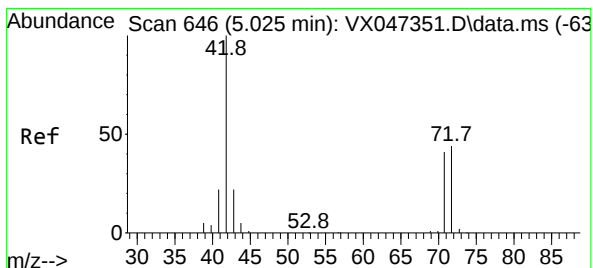
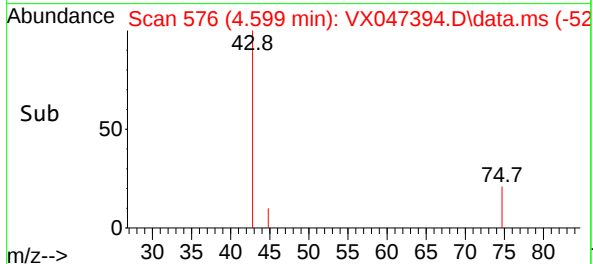
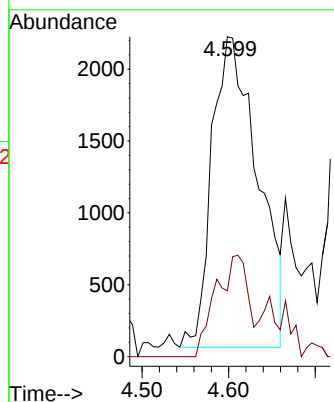
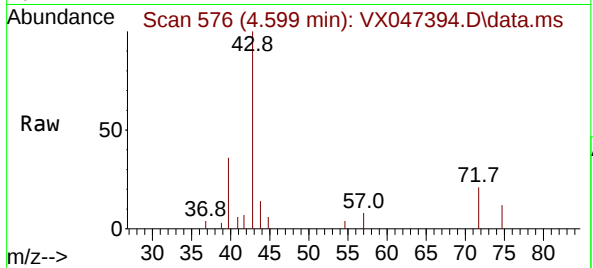




#25
2-Butanone
Concen: 5.555 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

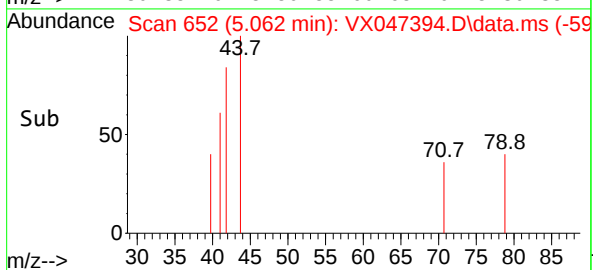
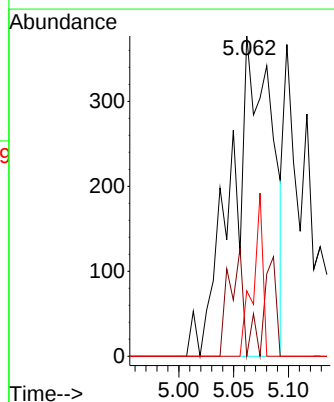
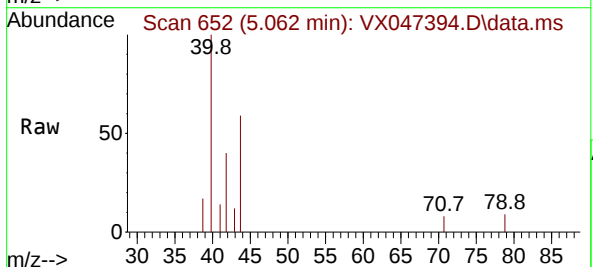
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MSVOA_X
ClientSampleId :
SAND-BLAST-A

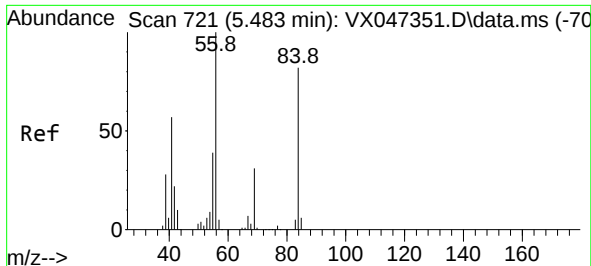
Tgt Ion: 43 Resp: 7957
Ion Ratio Lower Upper
43 100
72 26.0 19.8 29.8



#29
Tetrahydrofuran
Concen: 1.062 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.037 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 42 Resp: 983
Ion Ratio Lower Upper
42 100
72 12.9 34.6 51.8#
71 0.0 32.6 49.0#

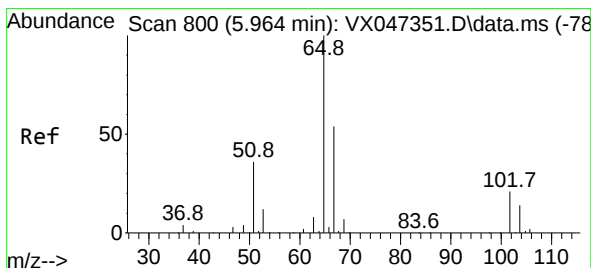
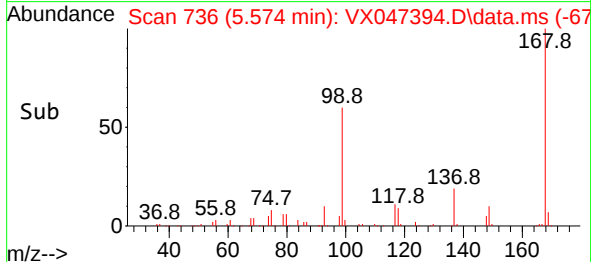
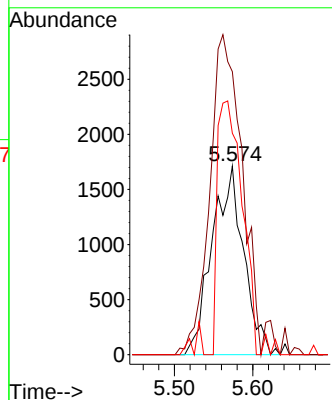
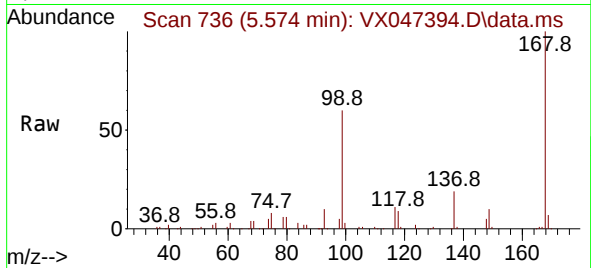




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.091 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

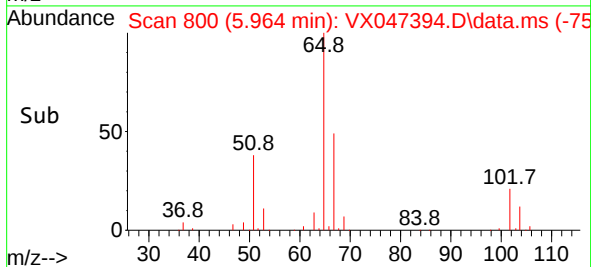
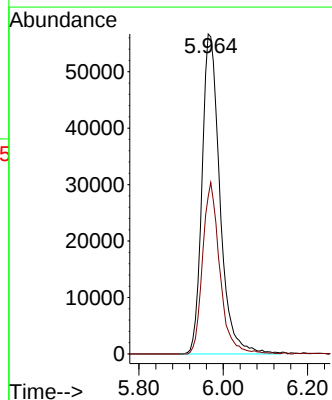
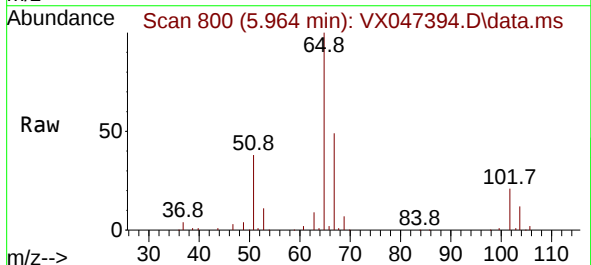
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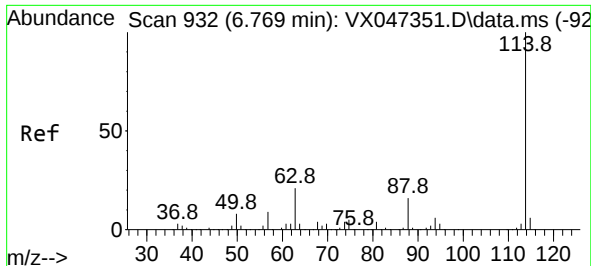
Tgt Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 150.1 24.3 36.5#
84 117.4 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.560 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 65 Resp: 167473
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.0

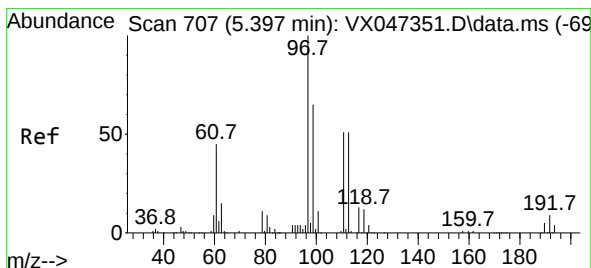
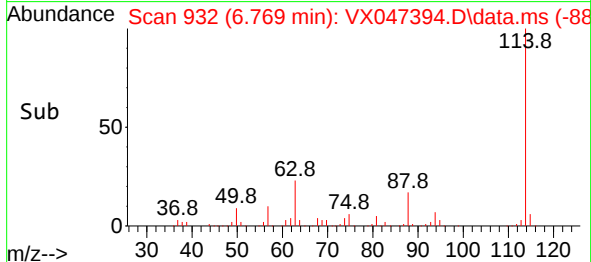
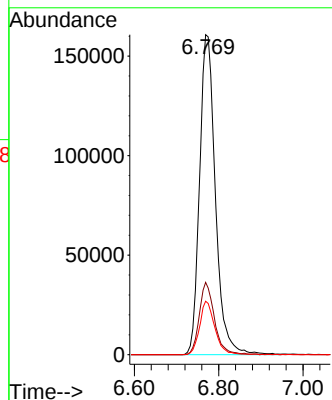
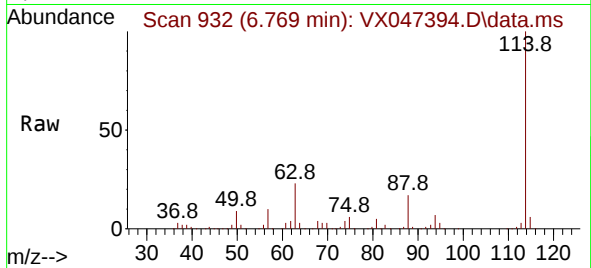




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

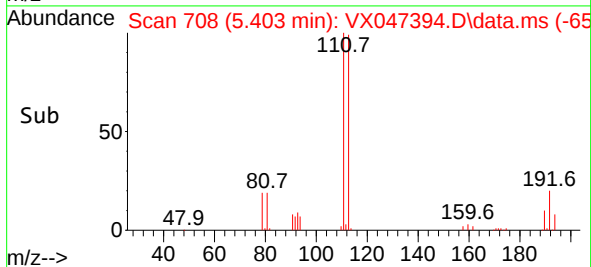
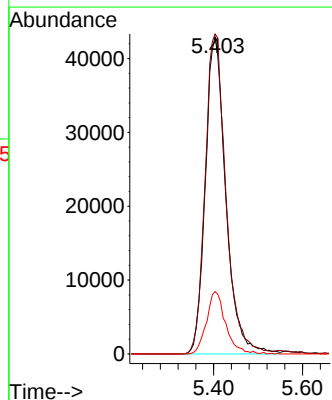
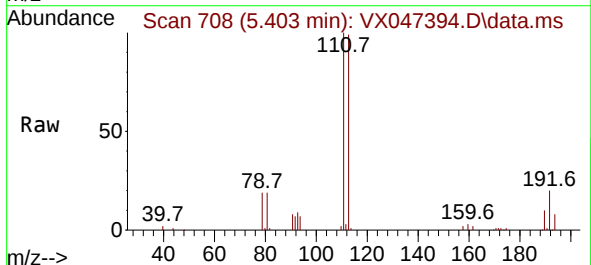
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

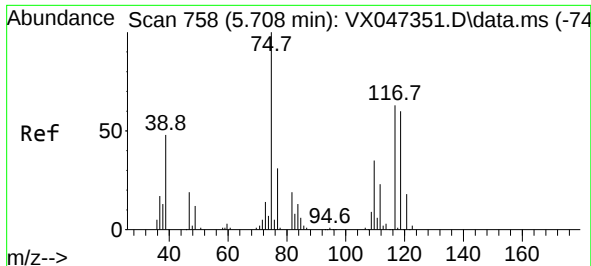
Tgt Ion:114 Resp: 421291
Ion Ratio Lower Upper
114 100
63 22.6 0.0 42.4
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.409 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion:113 Resp: 137830
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.2
192 18.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.067 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047394.D

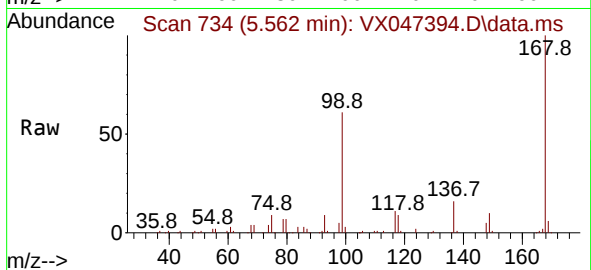
Acq: 18 Aug 2025 19:31

Instrument :

MSVOA_X

ClientSampleId :

SAND-BLAST-A



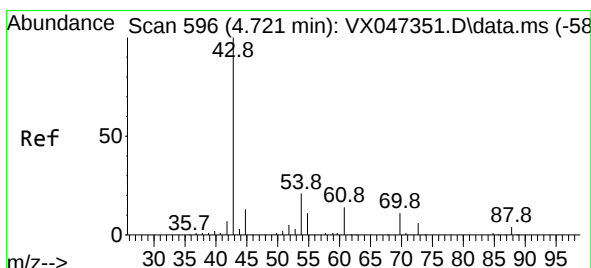
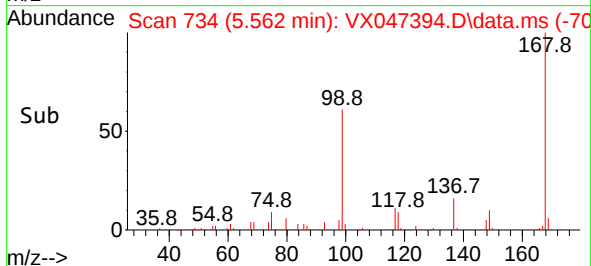
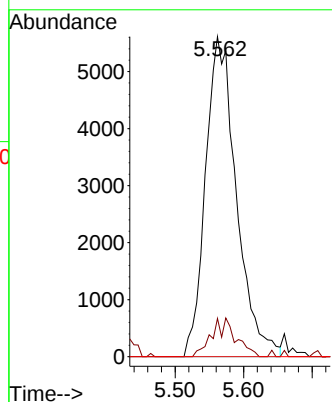
Tgt Ion: 75 Resp: 17555

Ion Ratio Lower Upper

75 100

110 4.4 17.4 52.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.497 ug/l

RT: 4.757 min Scan# 602

Delta R.T. 0.037 min

Lab File: VX047394.D

Acq: 18 Aug 2025 19:31

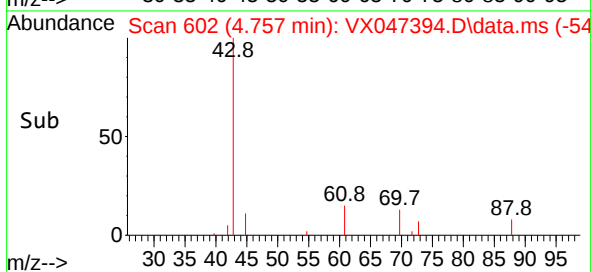
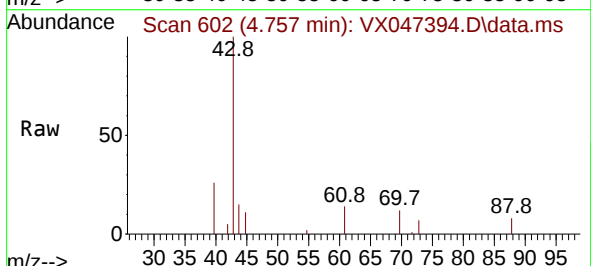
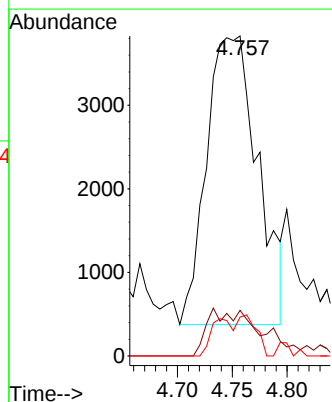
Tgt Ion: 43 Resp: 11188

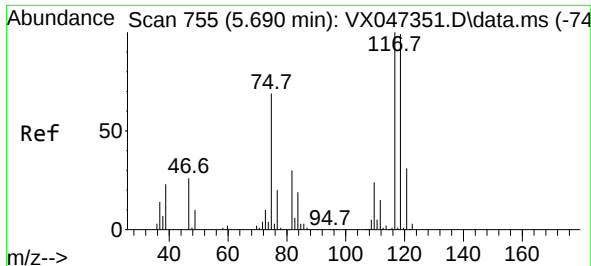
Ion Ratio Lower Upper

43 100

61 0.0 9.4 14.2#

70 5.2 7.0 10.6#

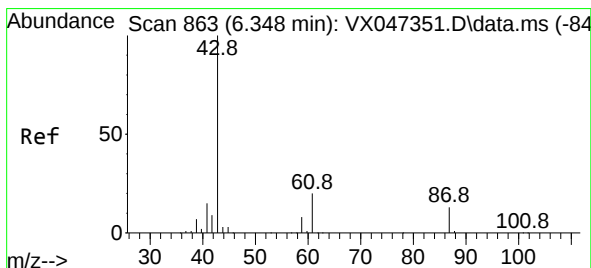
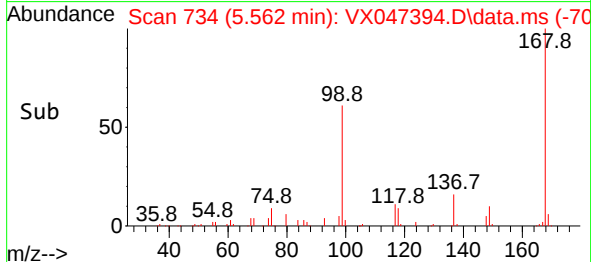
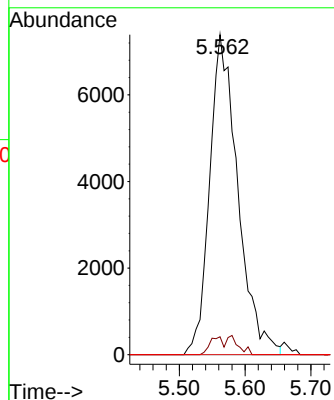
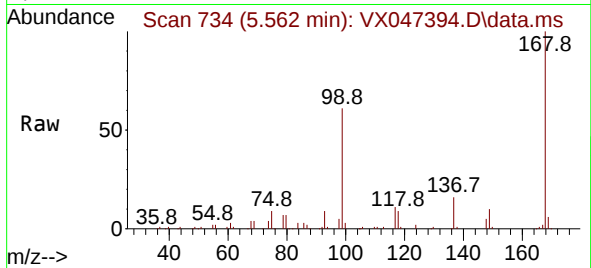




#38
Carbon Tetrachloride
Concen: 4.670 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

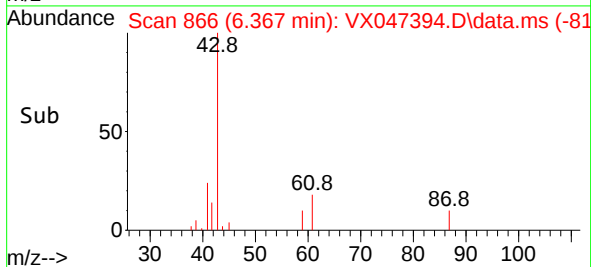
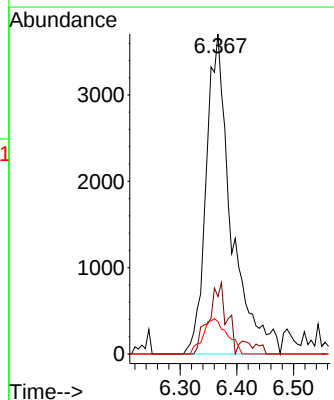
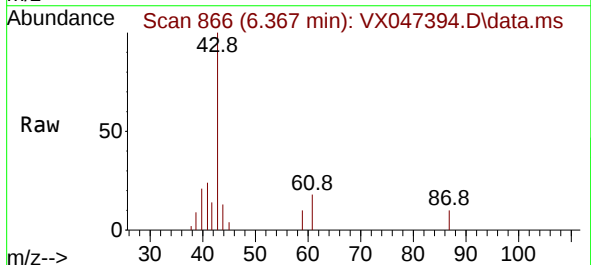
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

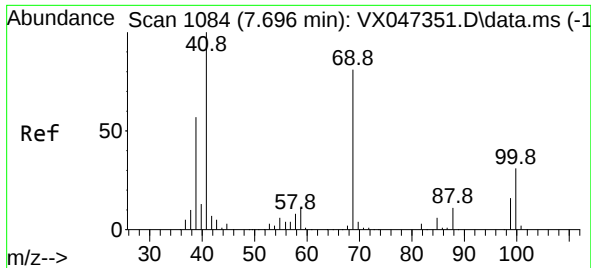
Tgt Ion:117 Resp: 22027
Ion Ratio Lower Upper
117 100
119 5.6 78.5 117.7#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 1.767 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.018 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 43 Resp: 11374
Ion Ratio Lower Upper
43 100
61 16.2 15.4 23.0
87 10.6 10.2 15.4

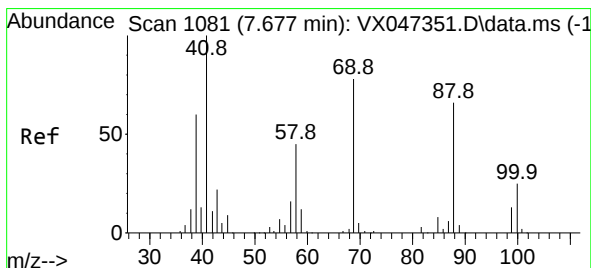
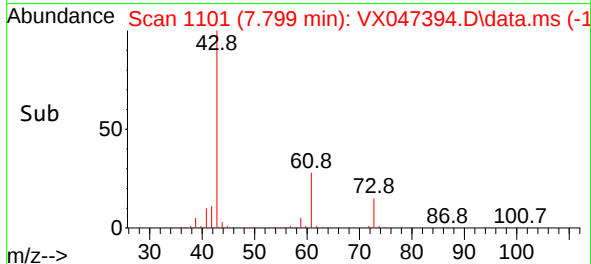
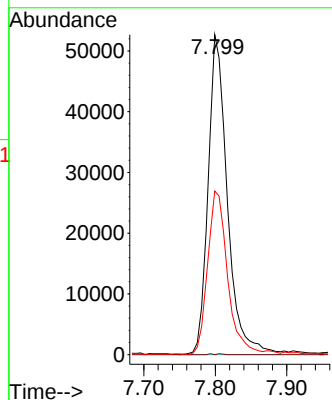
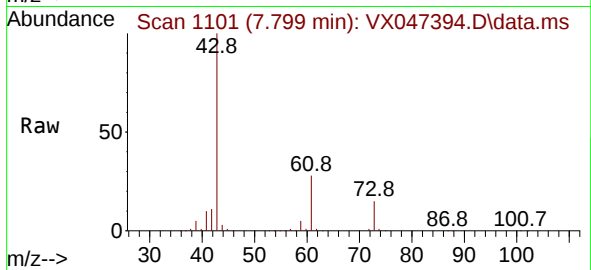




#48
Methyl methacrylate
Concen: 29.508 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

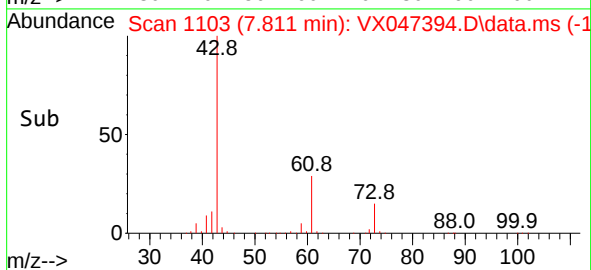
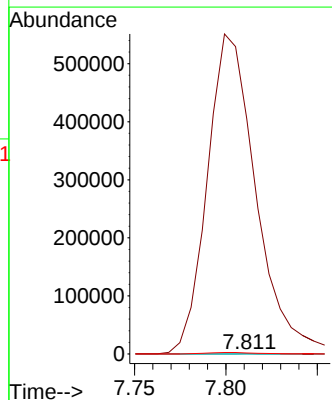
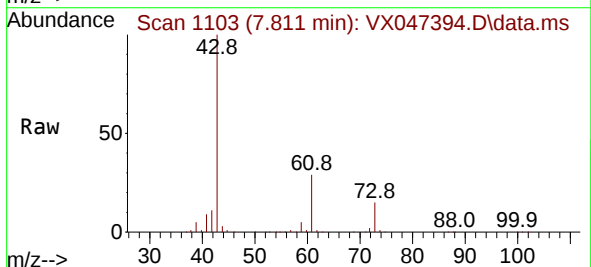
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

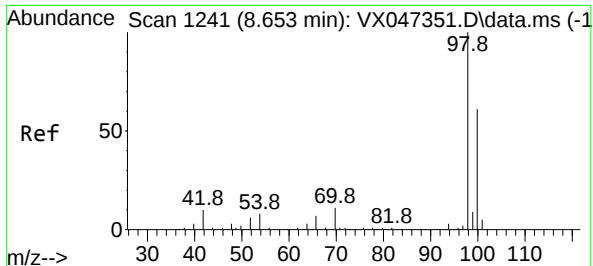
Tgt Ion: 41 Resp: 98595
Ion Ratio Lower Upper
41 100
69 0.1 65.0 97.4#
39 52.9 45.7 68.5



#49
1,4-Dioxane
Concen: 7.358 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.134 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 88 Resp: 239
Ion Ratio Lower Upper
88 100
43 435924.7 32.4 48.6#
58 2247.3 56.9 85.3#

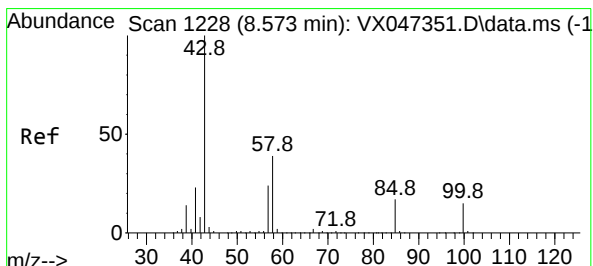
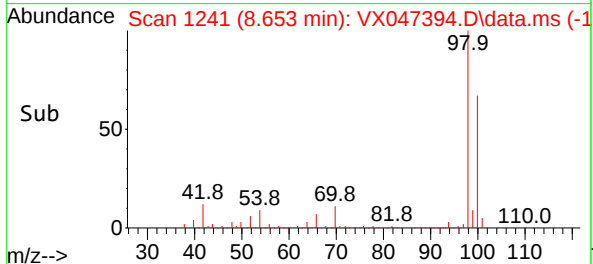
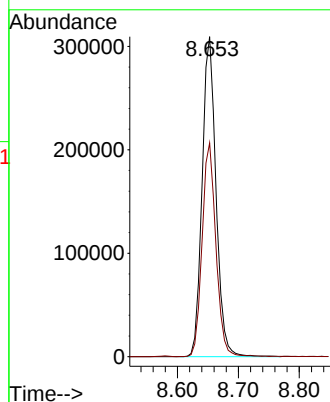
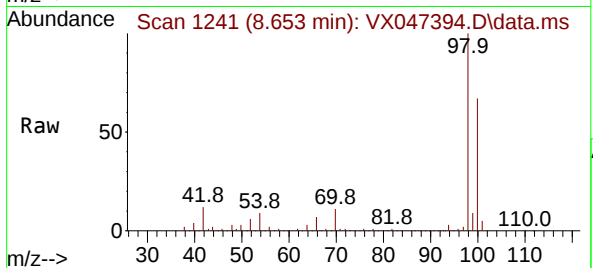




#50
Toluene-d8
Concen: 50.140 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

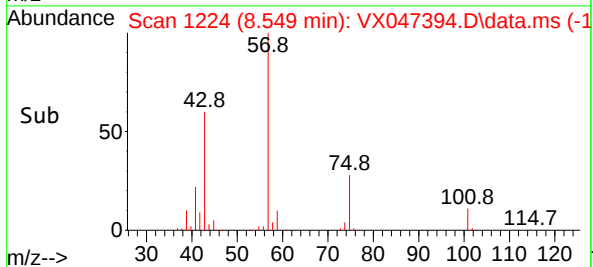
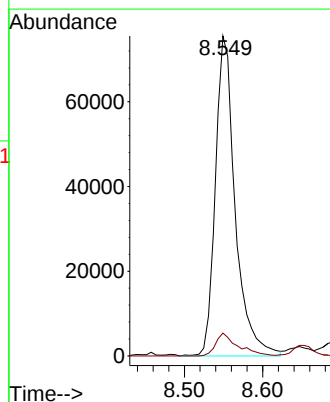
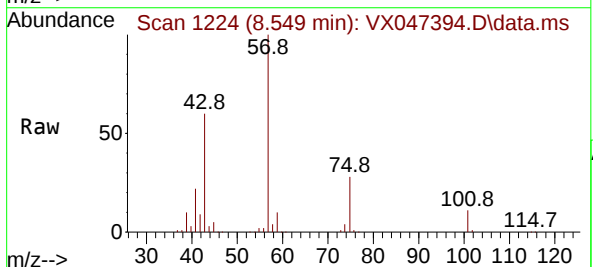
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

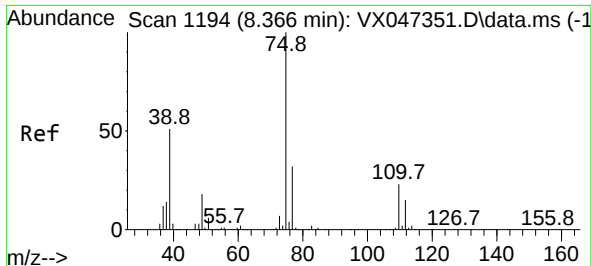
Tgt Ion: 98 Resp: 490011
Ion Ratio Lower Upper
98 100
100 66.4 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 35.880 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 43 Resp: 132911
Ion Ratio Lower Upper
43 100
58 8.0 31.2 46.8#

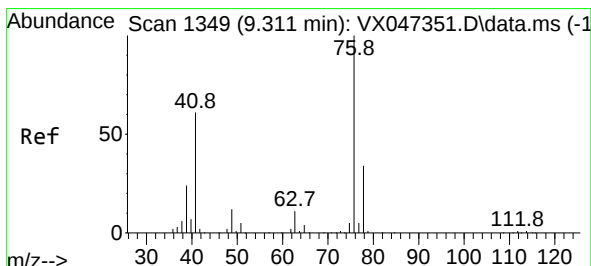
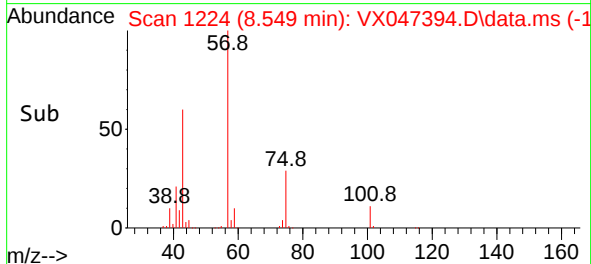
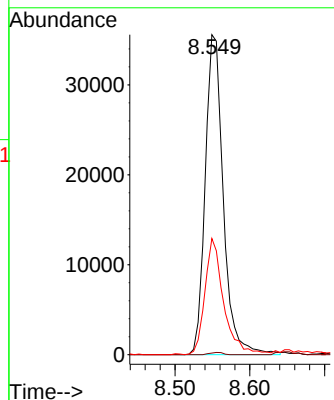
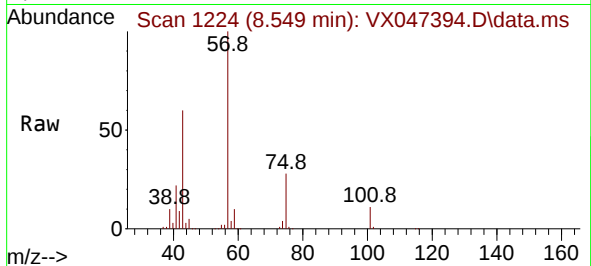




#54
cis-1,3-Dichloropropene
Concen: 12.427 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

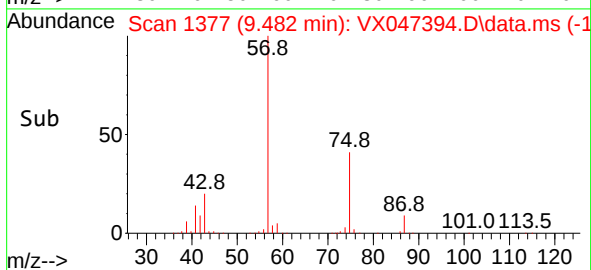
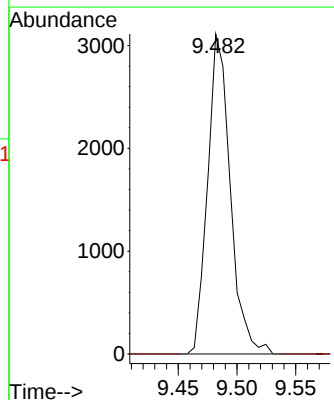
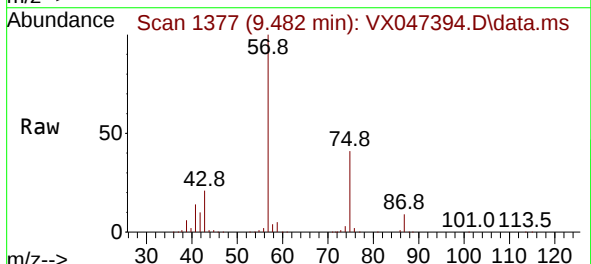
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

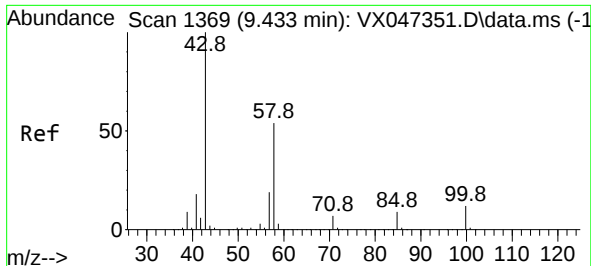
Tgt Ion: 75 Resp: 59801
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 36.1 40.9 61.3#



#57
1,3-Dichloropropane
Concen: 0.808 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 76 Resp: 4175
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

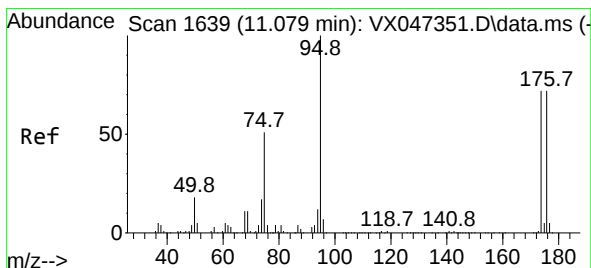
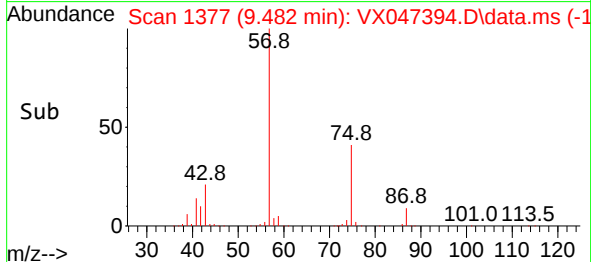
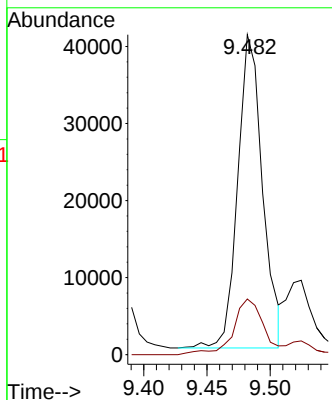
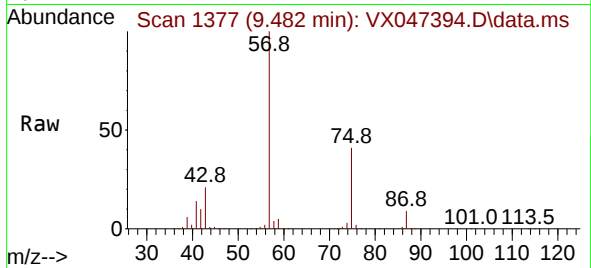




#59
2-Hexanone
Concen: 21.735 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

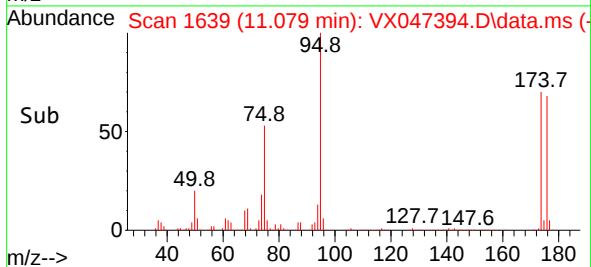
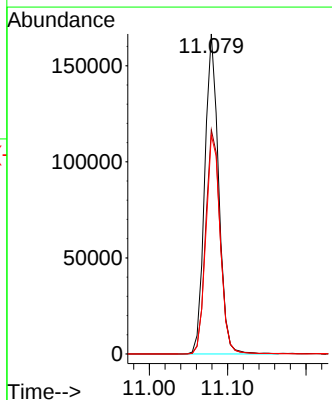
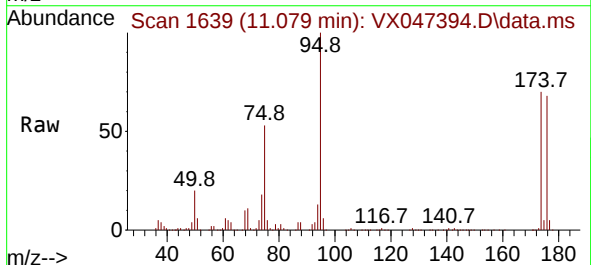
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

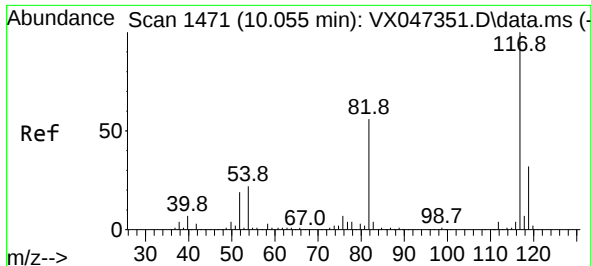
Tgt Ion: 43 Resp: 55693
Ion Ratio Lower Upper
43 100
58 21.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 56.571 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 95 Resp: 204015
Ion Ratio Lower Upper
95 100
174 73.1 0.0 148.0
176 71.0 0.0 145.4

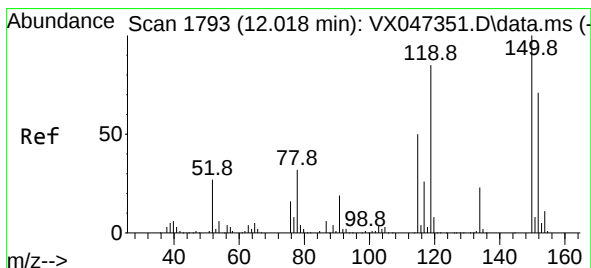
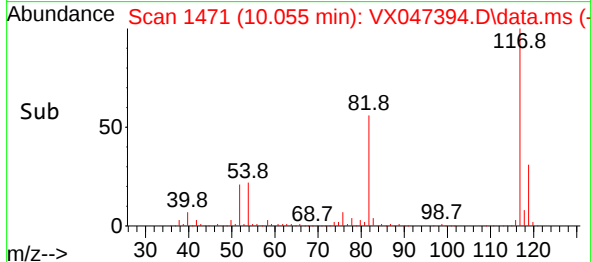
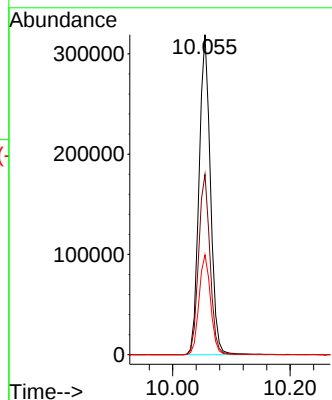
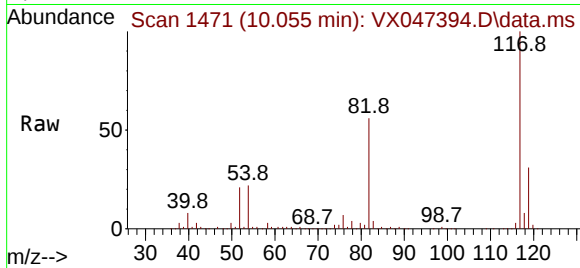




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

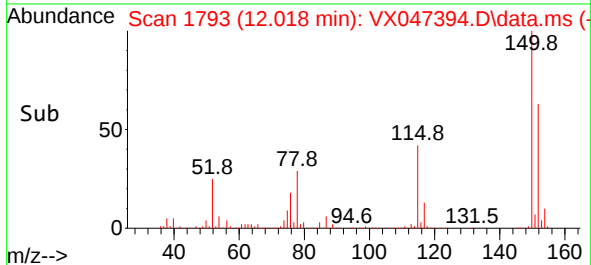
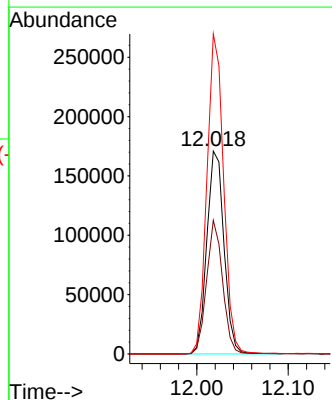
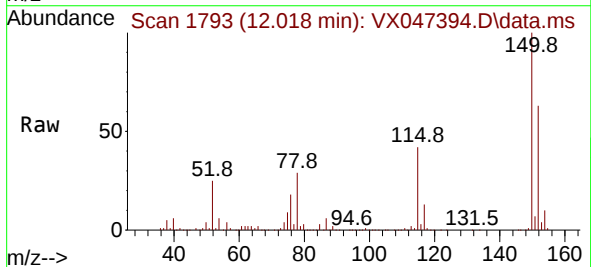
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

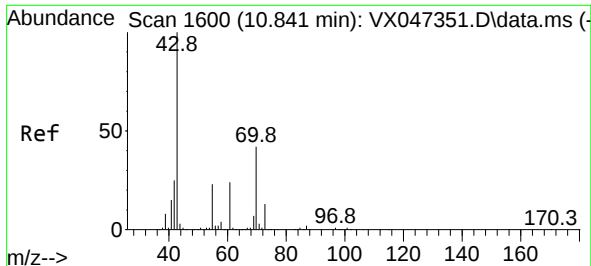
Tgt Ion:117 Resp: 428741
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.4
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion:152 Resp: 222124
Ion Ratio Lower Upper
152 100
115 61.7 44.6 133.8
150 153.1 0.0 349.8

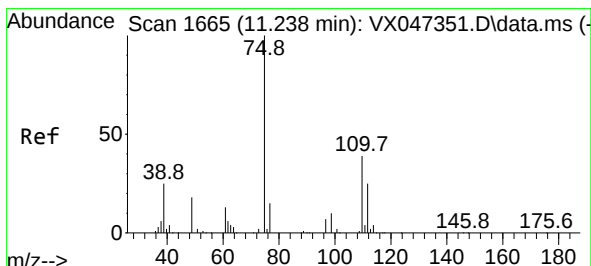
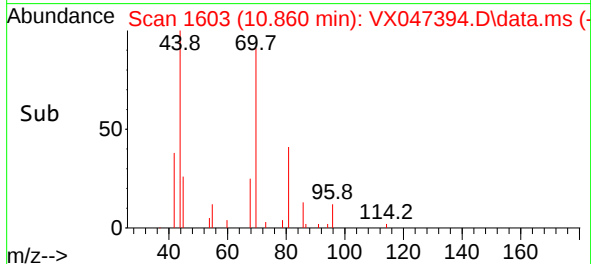
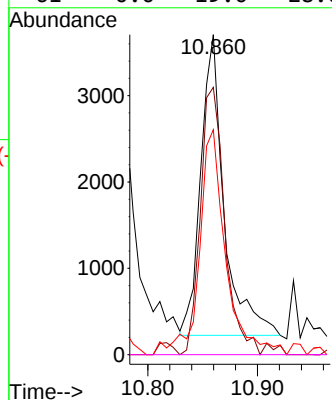
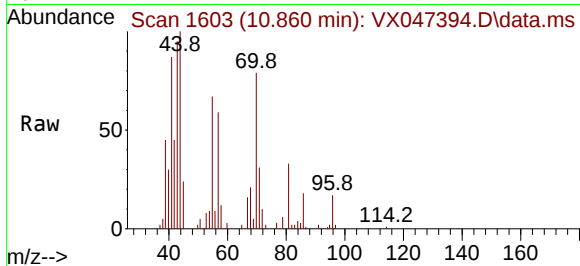




#74
N-amy1 acetate
Concen: 0.780 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

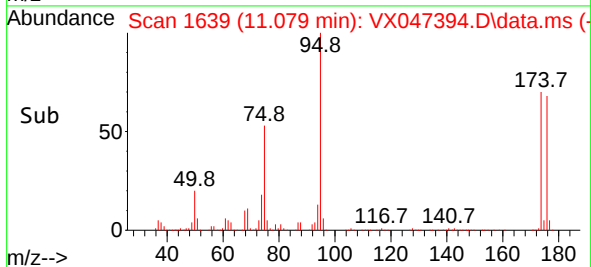
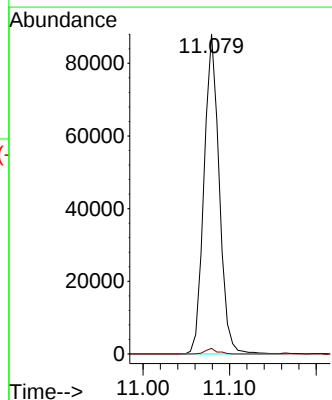
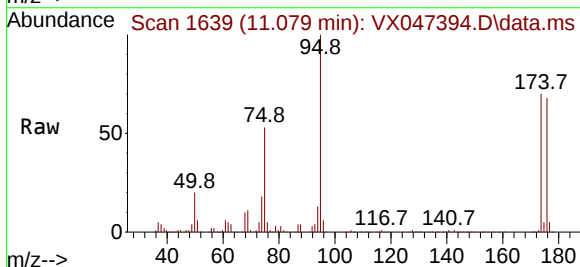
Instrument :
MSVOA_X
ClientSampleId :
SAND-BLAST-A

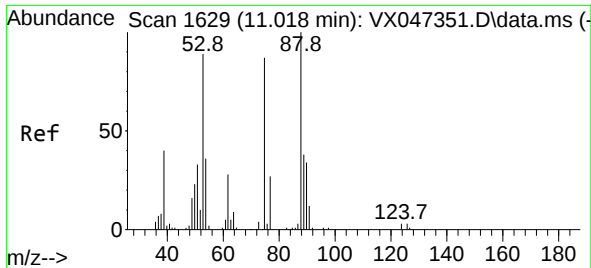
Tgt Ion: 43 Resp: 5149
Ion Ratio Lower Upper
43 100
70 92.3 33.1 49.7#
55 84.3 19.0 28.6#
61 0.0 19.0 28.6#



#76
1,2,3-Trichloropropane
Concen: 26.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047394.D
Acq: 18 Aug 2025 19:31

Tgt Ion: 75 Resp: 107461
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.487 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047394.D
 Acq: 18 Aug 2025 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SAND-BLAST-A

Tgt Ion: 75 Resp: 107461
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.2 127.8#
 89 0.0 36.7 55.1#

