

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
 Data File : VX046383.D
 Acq On : 28 May 2025 14:16
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 29 03:36:55 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)

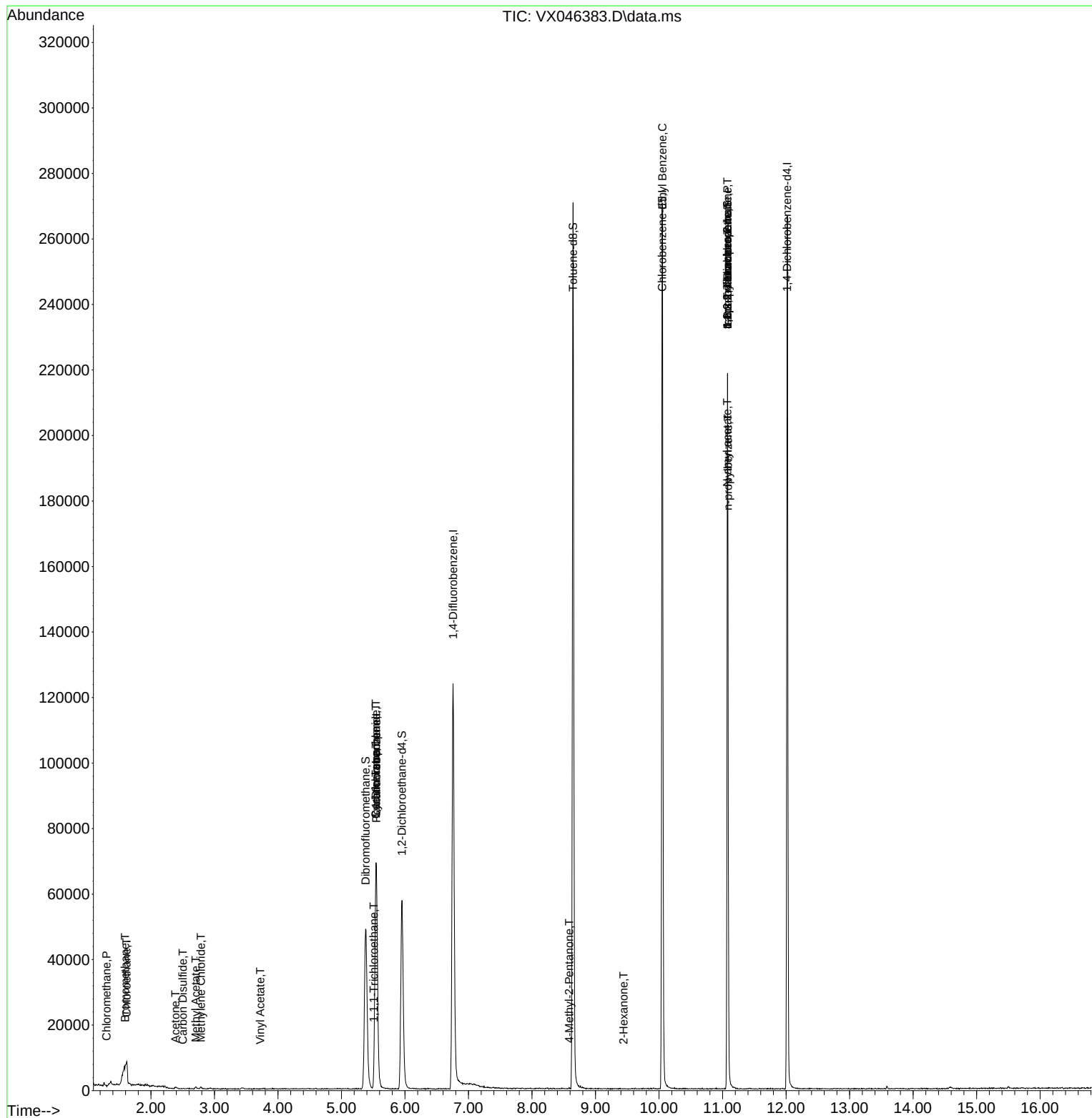
Internal Standards						
1) Pentafluorobenzene	5.550	168	58479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	116719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60067	55.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.200%			
35) Dibromofluoromethane	5.379	113	43226	51.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.860%			
50) Toluene-d8	8.647	98	149950	51.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.100%			
62) 4-Bromofluorobenzene	11.079	95	56387	50.531	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.060%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	19	0.022	ug/l #	43
5) Bromomethane	1.593	94	109	0.291	ug/l #	4
6) Chloroethane	1.618	64	27	0.063	ug/l #	44
16) Acetone	2.386	43	669	1.530	ug/l #	76
17) Carbon Disulfide	2.502	76	46	0.028	ug/l #	76
18) Methyl Acetate	2.703	43	920	0.907	ug/l #	89
20) Methylene Chloride	2.788	84	210	0.251	ug/l #	84
23) Vinyl Acetate	3.721	43	21	0.009	ug/l #	74
31) Cyclohexane	5.544	56	1727	1.329	ug/l #	23
32) 1,1,1-Trichloroethane	5.507	97	21	0.016	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	6064	5.370	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7072	5.574	ug/l #	16
51) 4-Methyl-2-Pentanone	8.586	43	186	0.132	ug/l #	39
59) 2-Hexanone	9.439	43	21	0.020	ug/l #	28
67) Ethyl Benzene	10.055	91	257	0.060	ug/l #	45
73) Isopropylbenzene	11.079	105	85	0.023	ug/l #	49
74) N-amyl acetate	11.073	43	83	0.046	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.079	83	23	0.018	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	32686	28.756	ug/l #	36
78) n-propylbenzene	11.085	91	294	0.069	ug/l #	54
81) trans-1,4-Dichloro-2-b...	11.079	75	32686	93.621	ug/l #	1

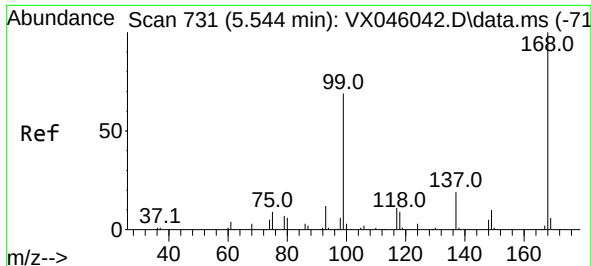
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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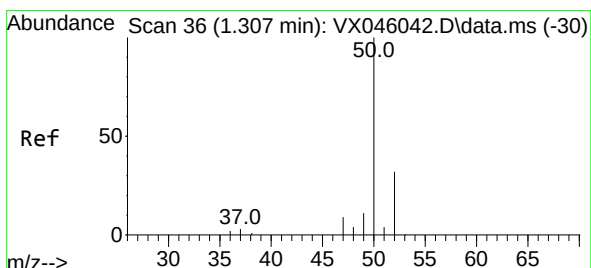
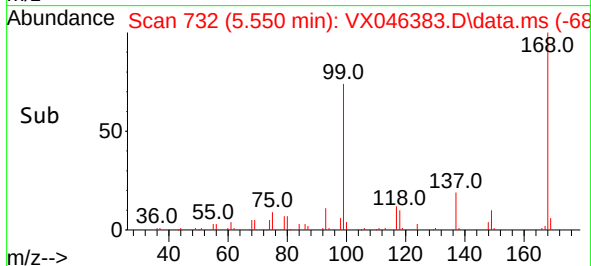
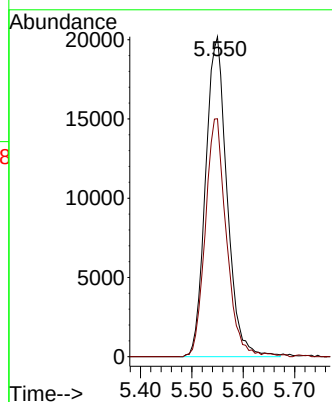
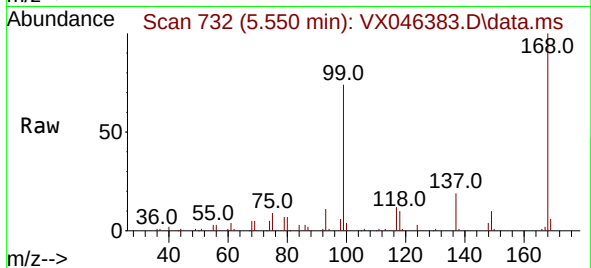




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

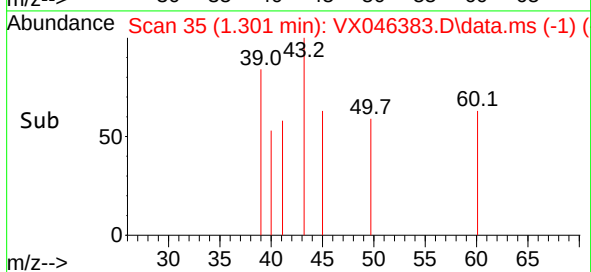
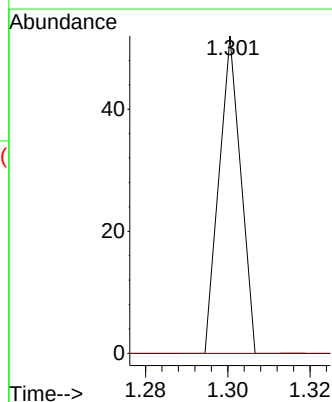
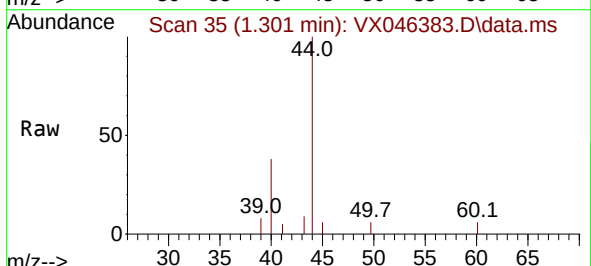
Instrument :
MSVOA_X
ClientSampleId :
IBLK

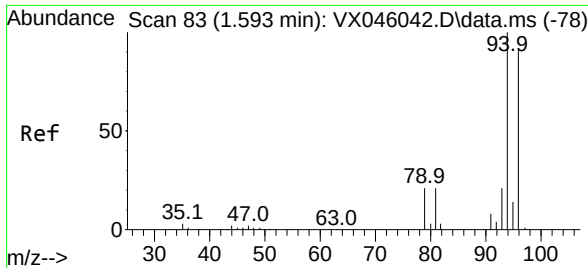
Tgt Ion:168 Resp: 58479
Ion Ratio Lower Upper
168 100
99 74.3 54.9 82.3



#3
Chloromethane
Concen: 0.022 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion: 50 Resp: 19
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

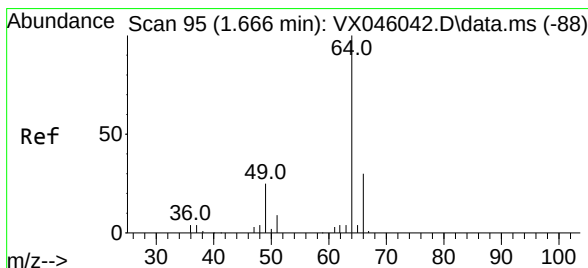
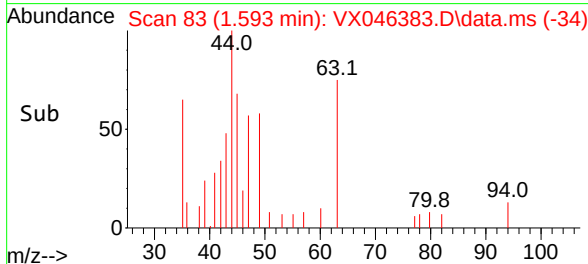
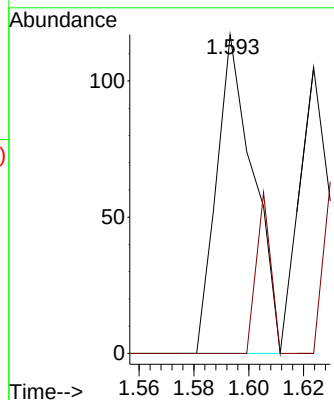
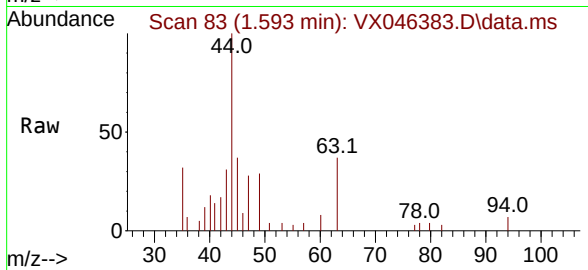




#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

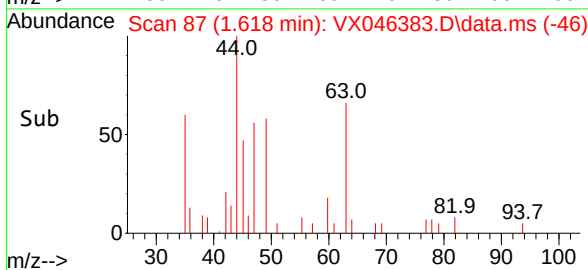
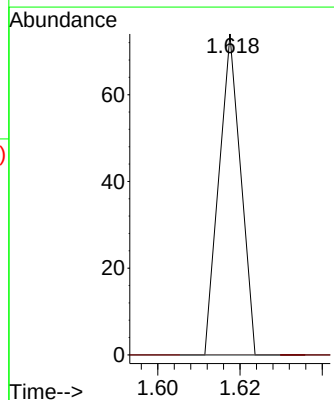
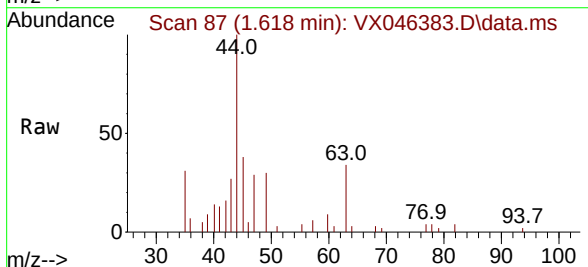
Instrument :
MSVOA_X
ClientSampleId :
IBLK

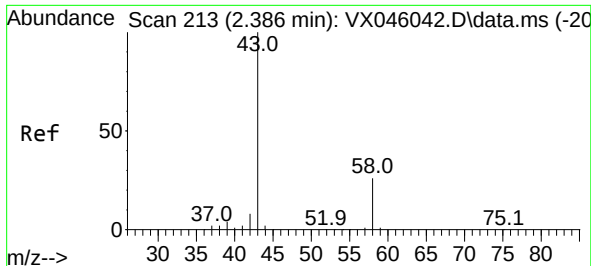
Tgt Ion: 94 Resp: 109
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#6
Chloroethane
Concen: 0.063 ug/l
RT: 1.618 min Scan# 87
Delta R.T. -0.049 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

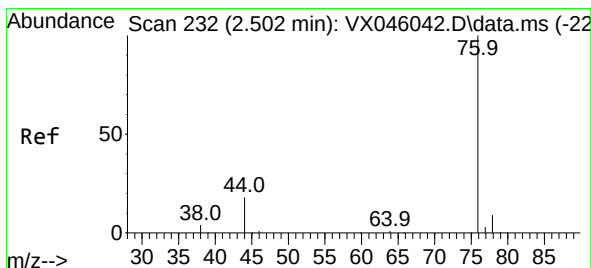
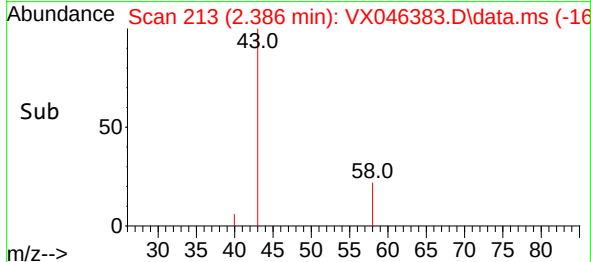
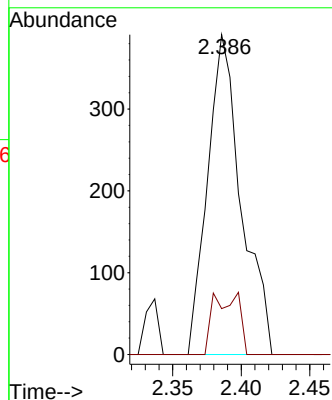
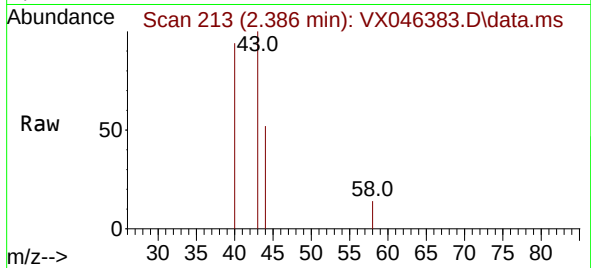




#16
Acetone
Concen: 1.530 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

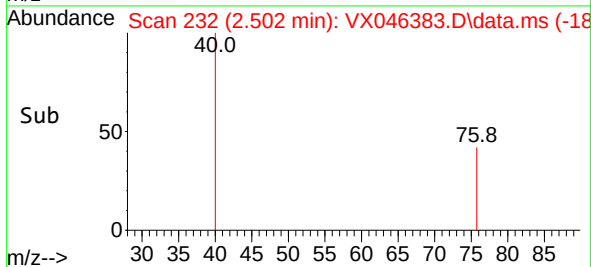
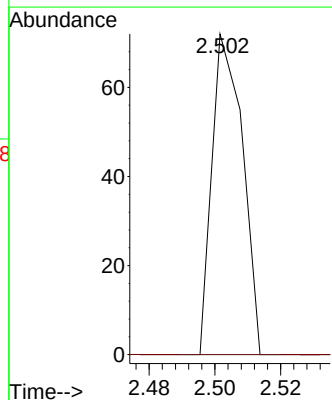
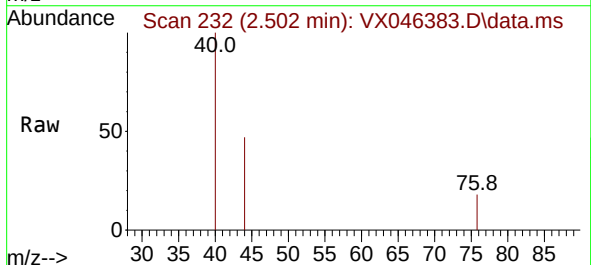
Instrument :
MSVOA_X
ClientSampleId :
IBLK

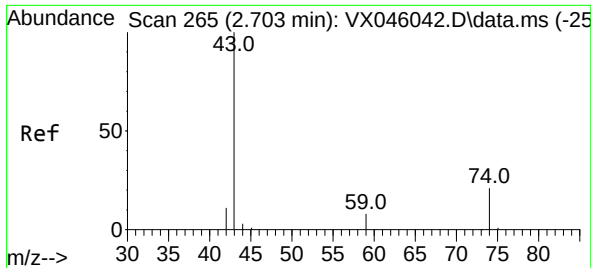
Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 14.3 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.028 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion: 76 Resp: 46
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

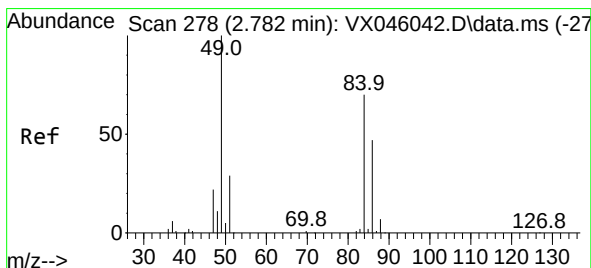
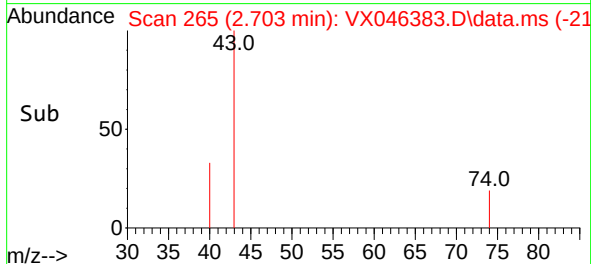
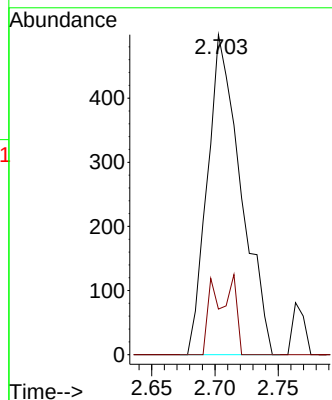
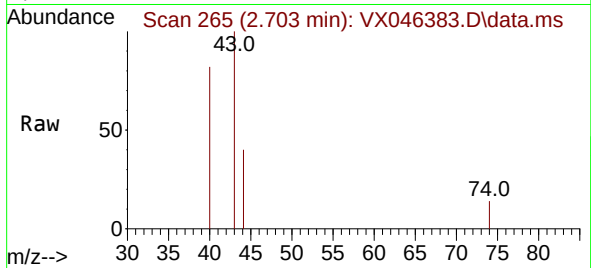




#18
Methyl Acetate
Concen: 0.907 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

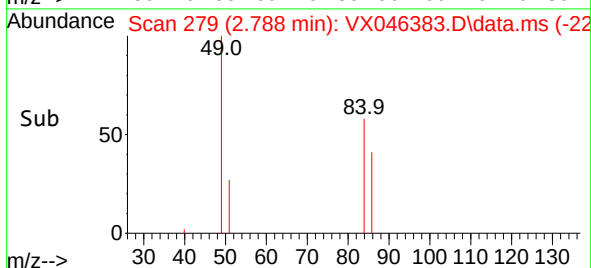
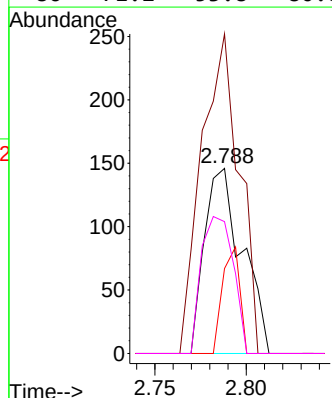
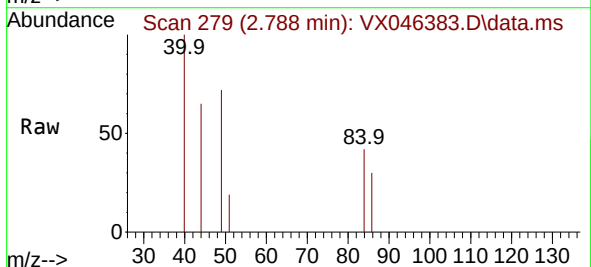
Instrument :
MSVOA_X
ClientSampleId :
IBLK

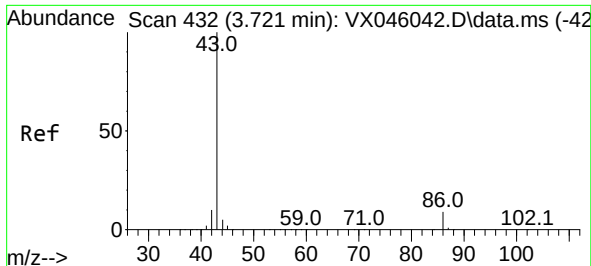
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
74 15.5 16.7 25.1#



#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion: 84 Resp: 210
Ion Ratio Lower Upper
84 100
49 172.6 113.9 170.9#
51 45.9 33.5 50.3
86 71.2 53.8 80.8

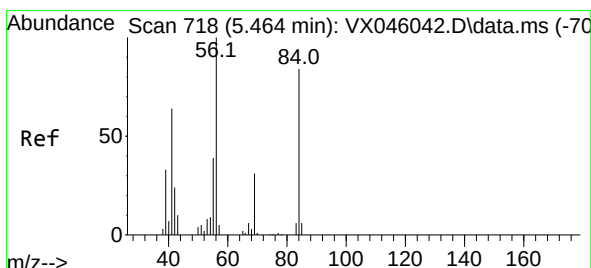
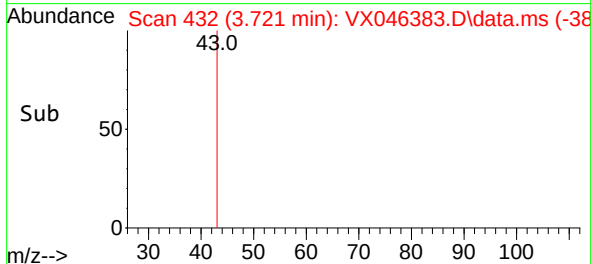
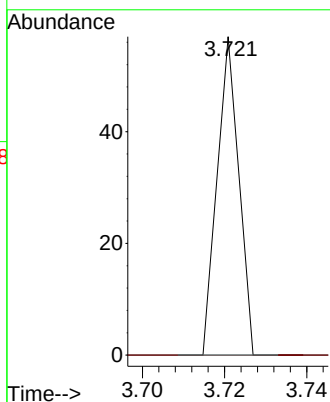
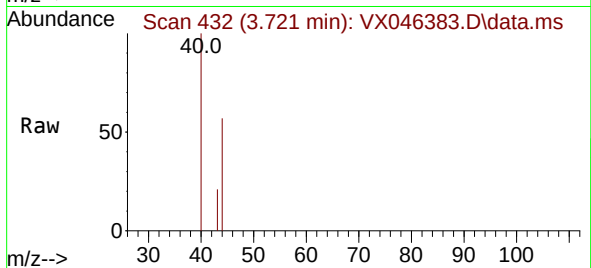




#23
 Vinyl Acetate
 Concen: 0.009 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX046383.D
 Acq: 28 May 2025 14:16

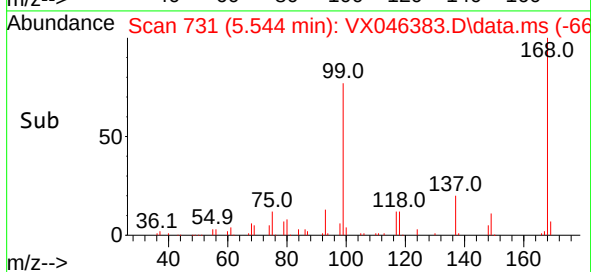
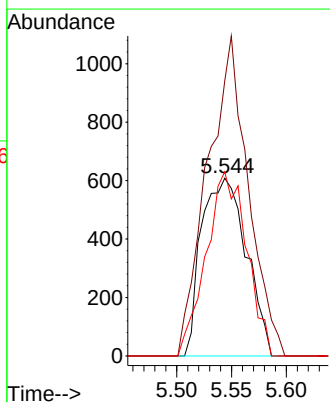
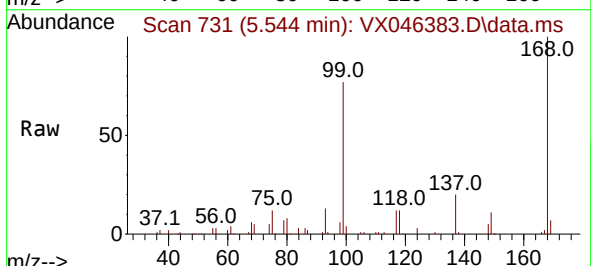
Instrument :
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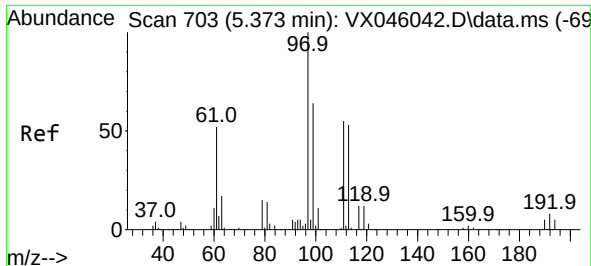
Tgt Ion: 43 Resp: 21
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#31
 Cyclohexane
 Concen: 1.329 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. 0.079 min
 Lab File: VX046383.D
 Acq: 28 May 2025 14:16

Tgt Ion: 56 Resp: 1727
 Ion Ratio Lower Upper
 56 100
 69 154.8 24.4 36.6#
 84 103.6 66.9 100.3#





#32

1,1,1-Trichloroethane

Concen: 0.016 ug/l

RT: 5.507 min Scan# 703

Delta R.T. 0.134 min

Lab File: VX046383.D

Acq: 28 May 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

IBLK

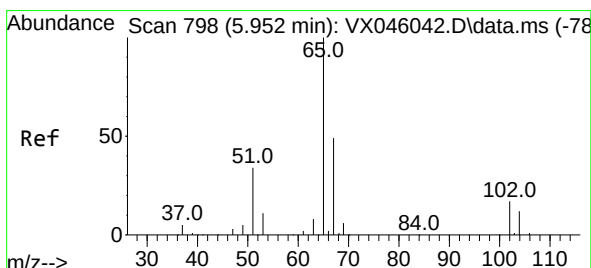
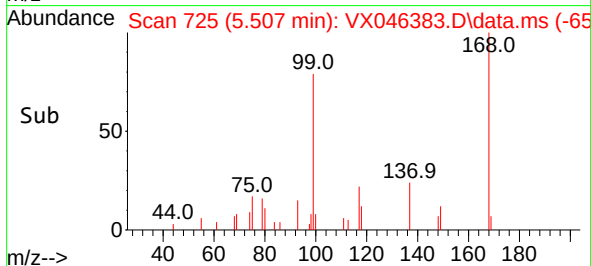
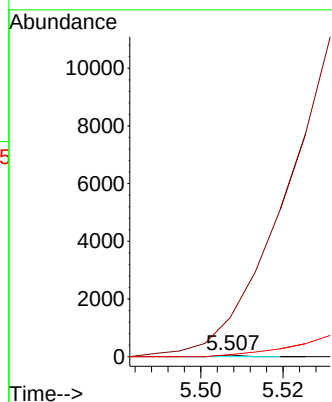
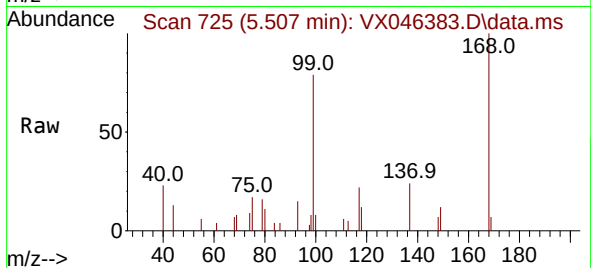
Tgt Ion: 97 Resp: 21

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

61 0.0 40.1 60.1#



#33

1,2-Dichloroethane-d4

Concen: 55.095 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046383.D

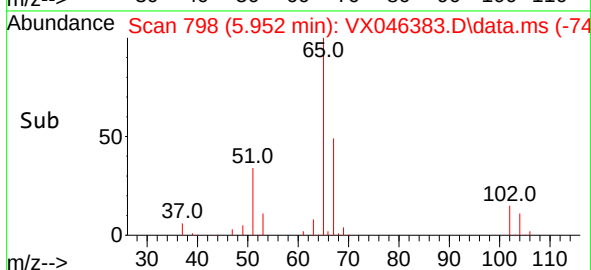
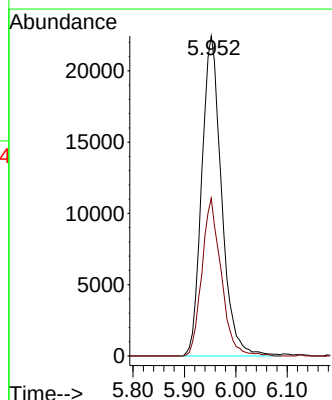
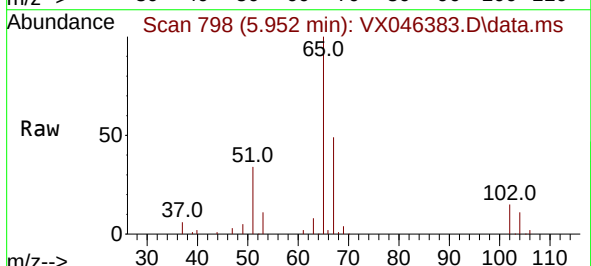
Acq: 28 May 2025 14:16

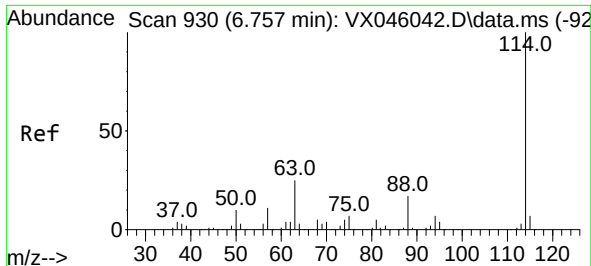
Tgt Ion: 65 Resp: 60067

Ion Ratio Lower Upper

65 100

67 47.9 0.0 99.0

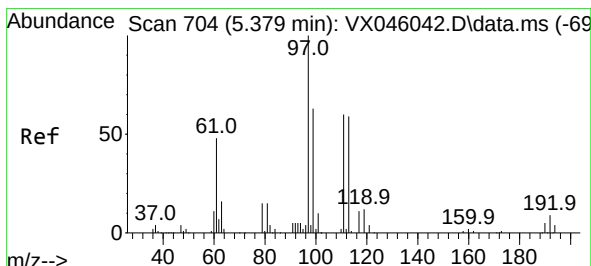
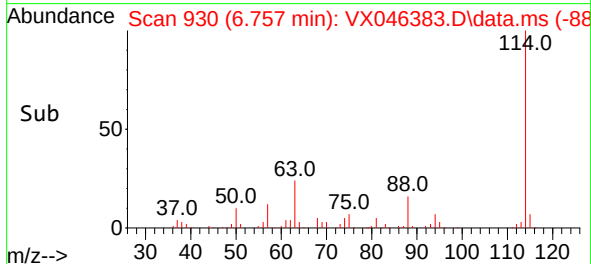
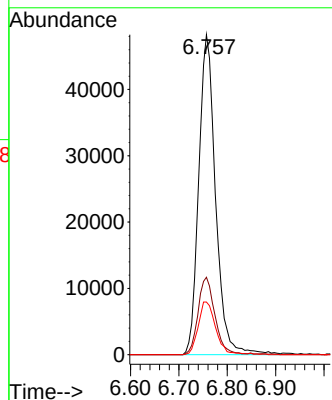
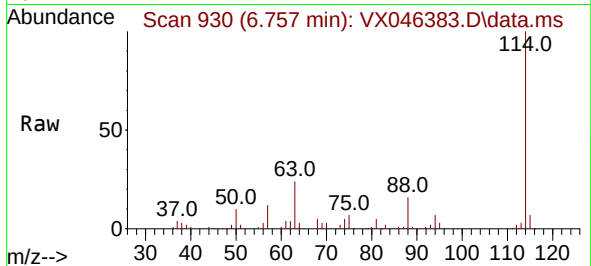




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

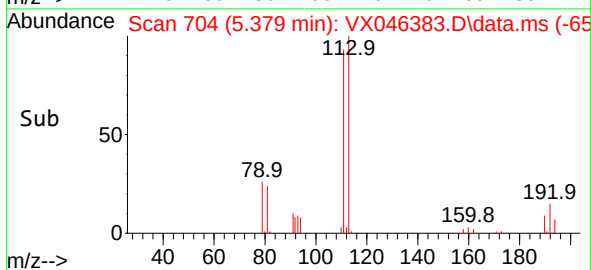
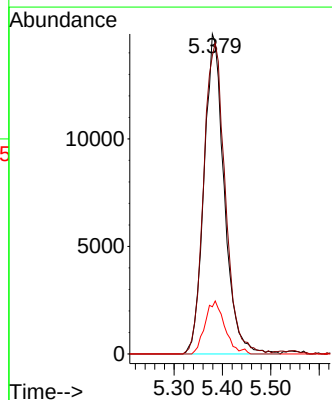
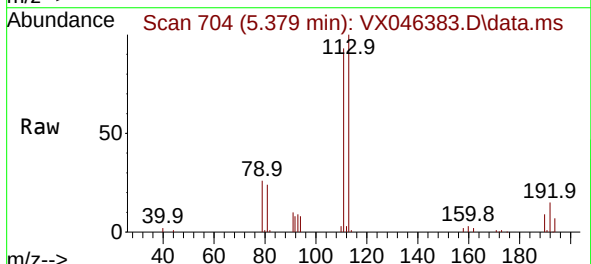
Instrument :
MSVOA_X
ClientSampleId :
IBLK

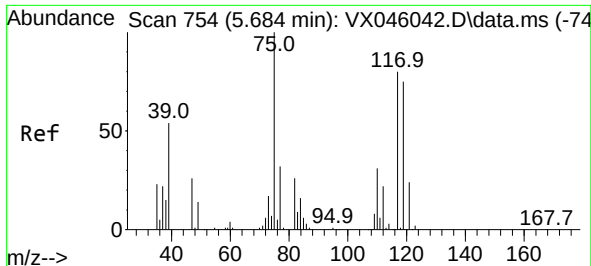
Tgt Ion:114 Resp: 116719
Ion Ratio Lower Upper
114 100
63 24.2 0.0 49.2
88 16.5 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.429 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion:113 Resp: 43226
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 16.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.370 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX046383.D

Acq: 28 May 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

IBLK

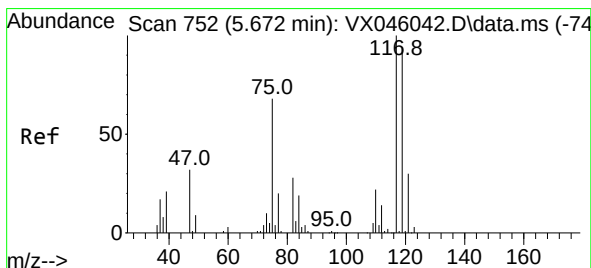
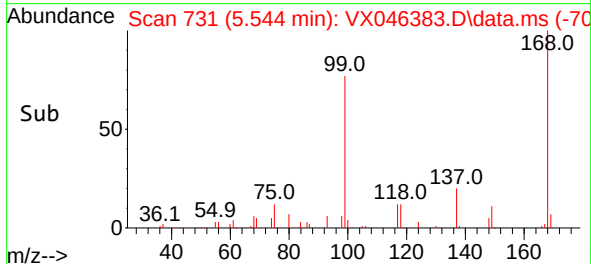
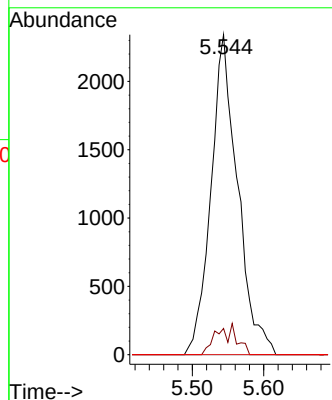
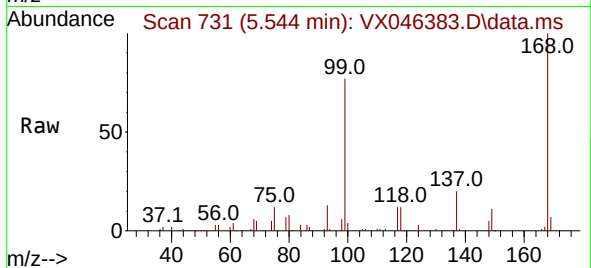
Tgt Ion: 75 Resp: 6064

Ion Ratio Lower Upper

75 100

110 4.4 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.574 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046383.D

Acq: 28 May 2025 14:16

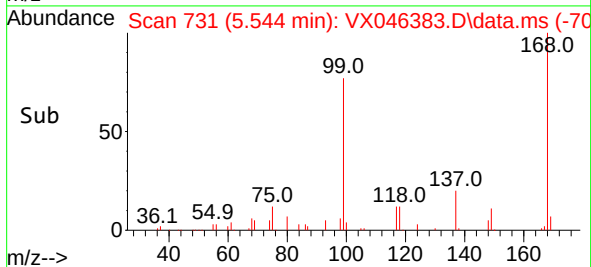
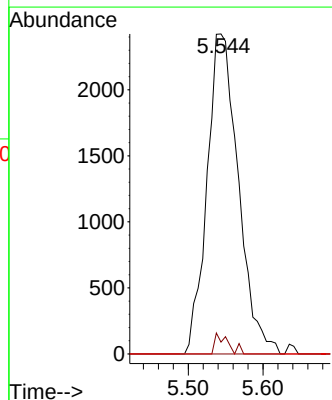
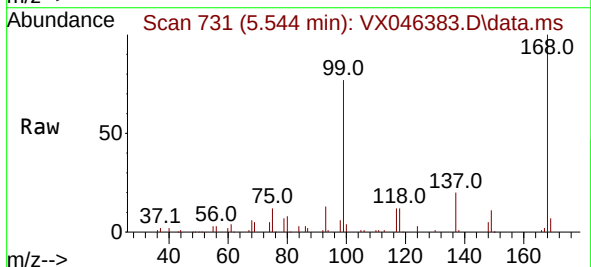
Tgt Ion: 117 Resp: 7072

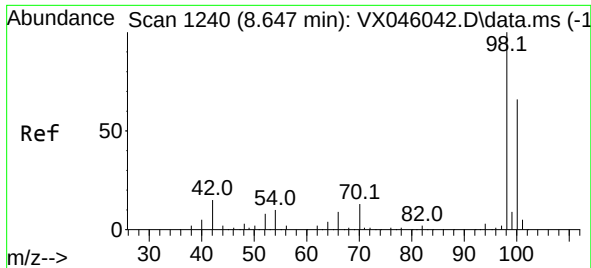
Ion Ratio Lower Upper

117 100

119 3.7 75.2 112.8#

121 0.0 24.2 36.4#

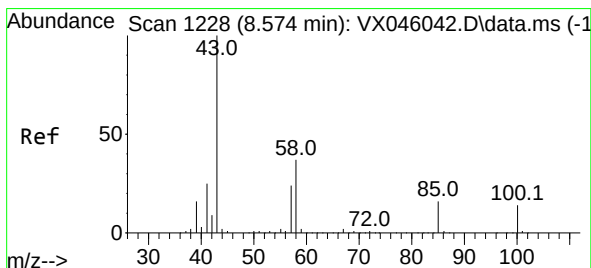
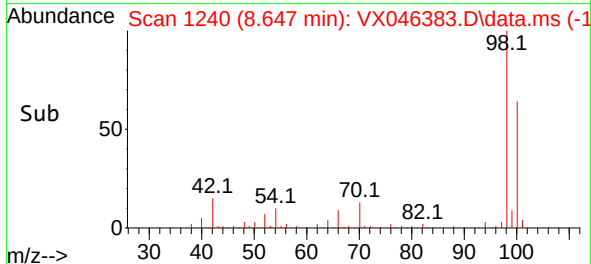
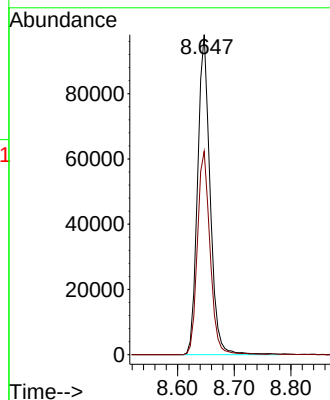
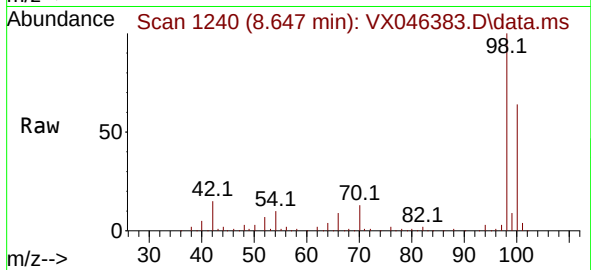




#50
Toluene-d8
Concen: 51.545 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

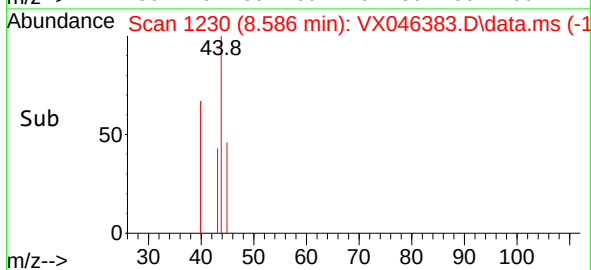
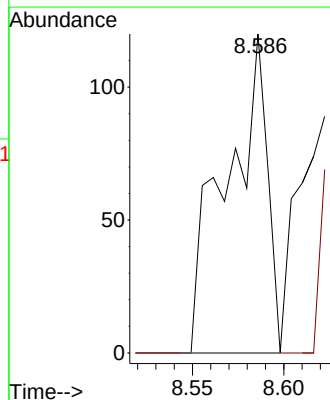
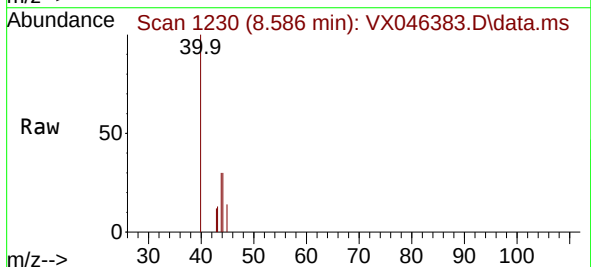
Instrument :
MSVOA_X
ClientSampleId :
IBLK

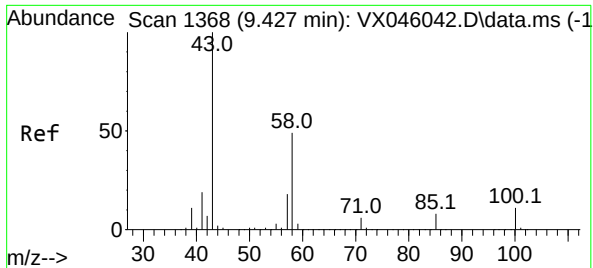
Tgt Ion: 98 Resp: 149950
Ion Ratio Lower Upper
98 100
100 64.4 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.132 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 28.9 43.3#





#59

2-Hexanone

Concen: 0.020 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX046383.D

Acq: 28 May 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

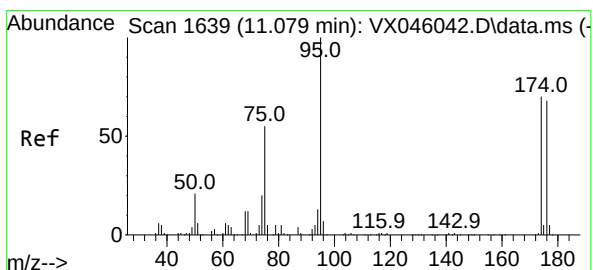
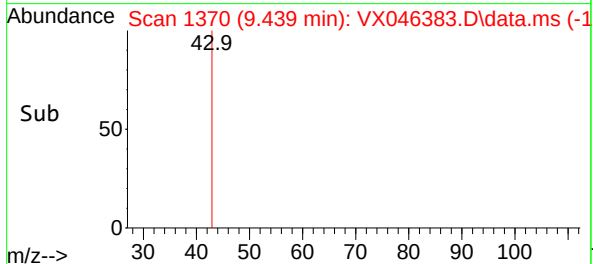
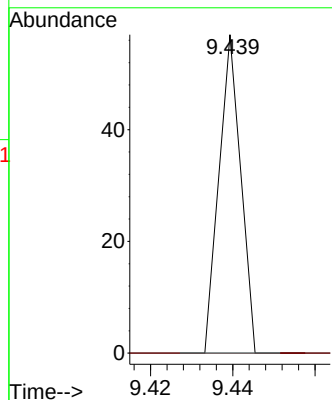
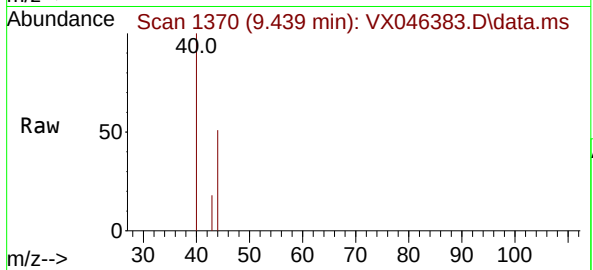
IBLK

Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 50.531 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046383.D

Acq: 28 May 2025 14:16

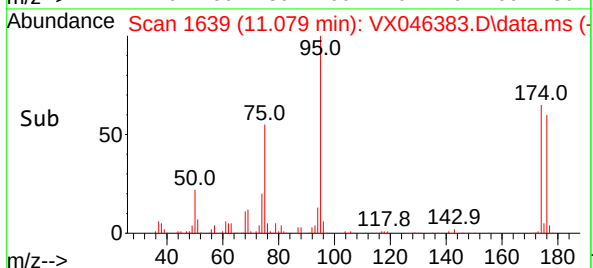
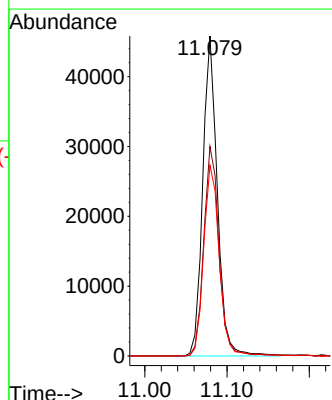
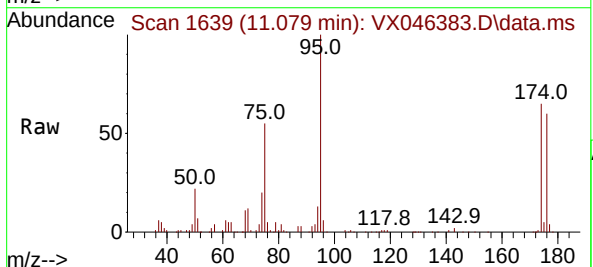
Tgt Ion: 95 Resp: 56387

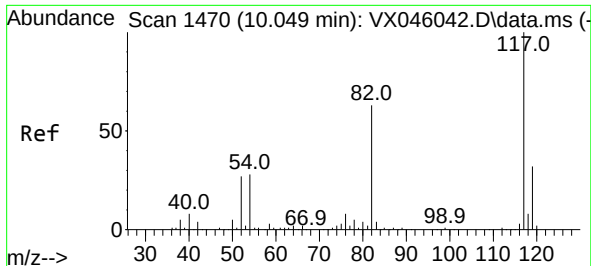
Ion Ratio Lower Upper

95 100

174 68.8 0.0 135.8

176 63.9 0.0 131.4

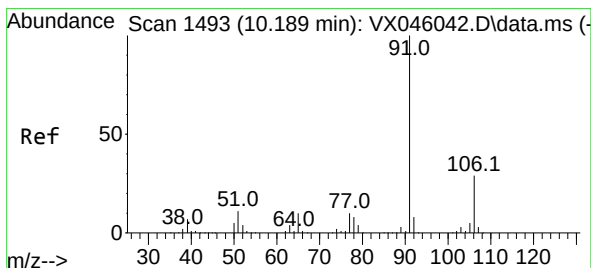
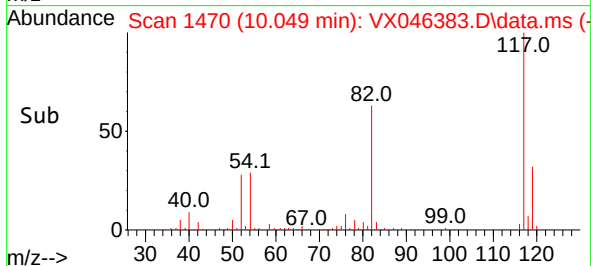
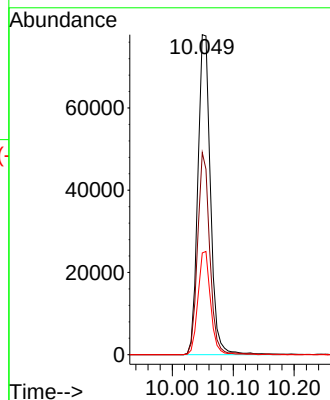
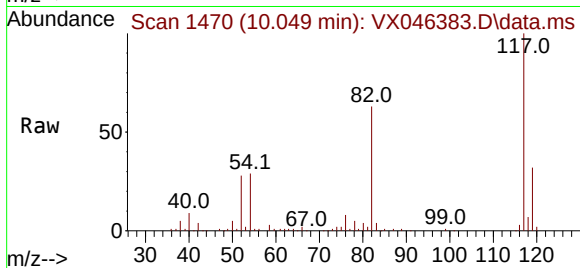




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

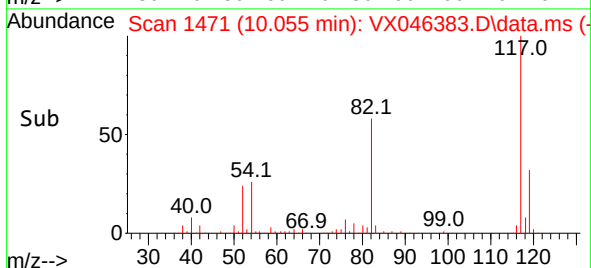
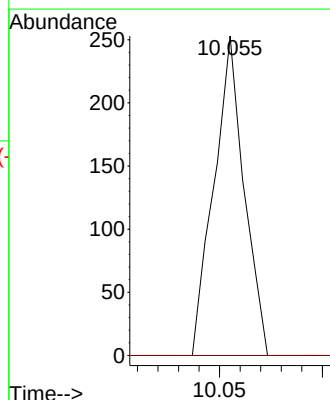
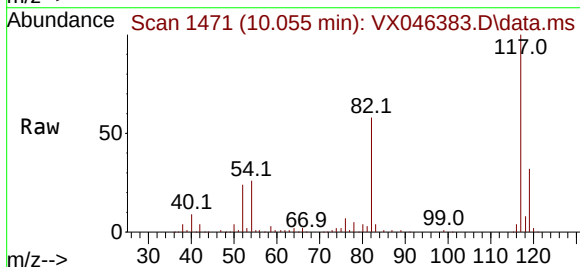
Instrument :
MSVOA_X
ClientSampleId :
IBLK

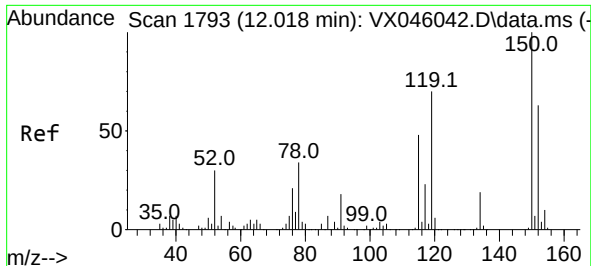
Tgt Ion:117 Resp: 111708
Ion Ratio Lower Upper
117 100
82 63.2 50.6 76.0
119 31.8 25.8 38.6



#67
Ethyl Benzene
Concen: 0.060 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.134 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion: 91 Resp: 257
Ion Ratio Lower Upper
91 100
106 0.0 23.4 35.2#

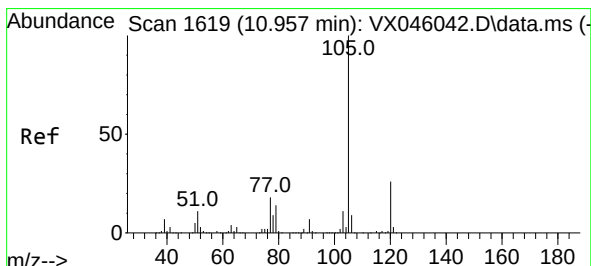
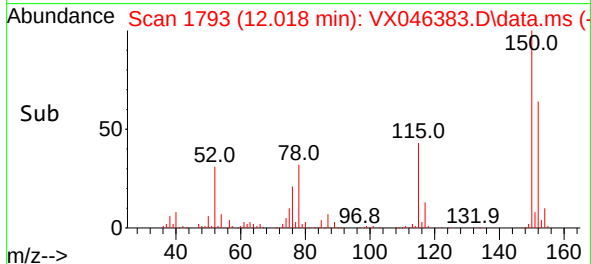
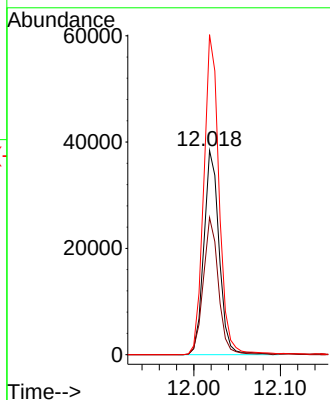
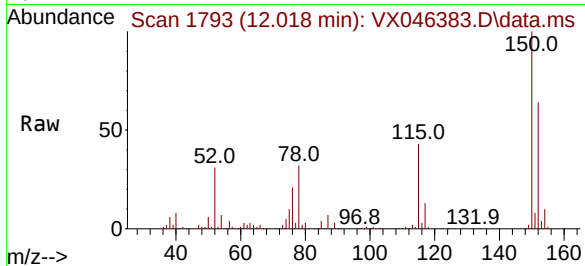




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

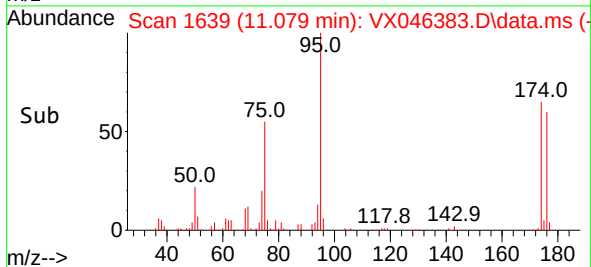
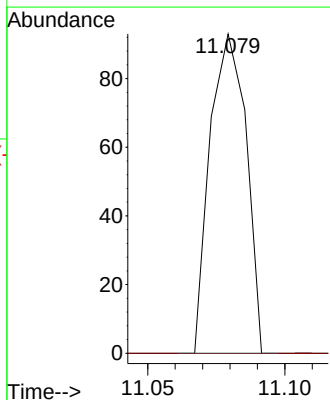
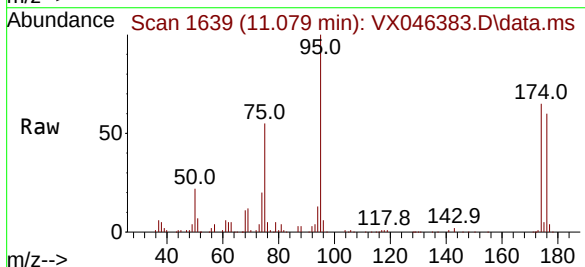
Instrument :
MSVOA_X
ClientSampleId :
IBLK

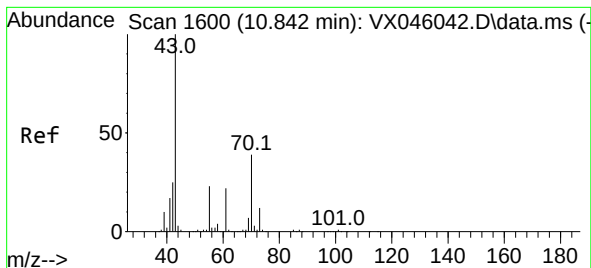
Tgt Ion:152 Resp: 47222
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 157.5 0.0 351.0



#73
Isopropylbenzene
Concen: 0.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.122 min
Lab File: VX046383.D
Acq: 28 May 2025 14:16

Tgt Ion:105 Resp: 85
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.4#





#74

N-ethyl acetate

Concen: 0.046 ug/l

RT: 11.073 min Scan# 1638

Delta R.T. 0.232 min

Lab File: VX046383.D

Acq: 28 May 2025 14:16

Instrument :

MSVOA_X

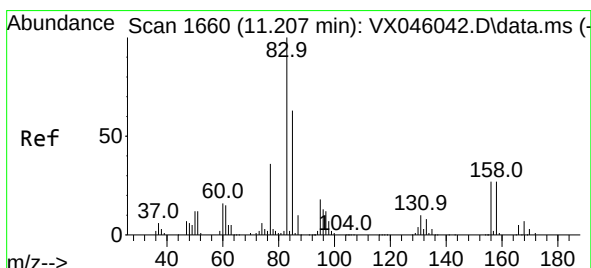
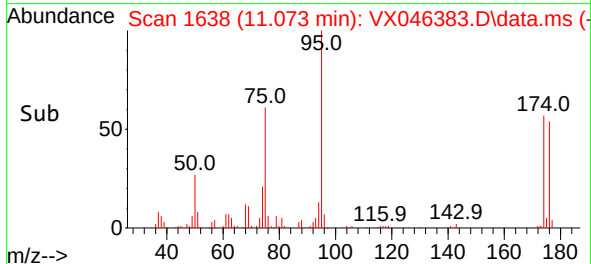
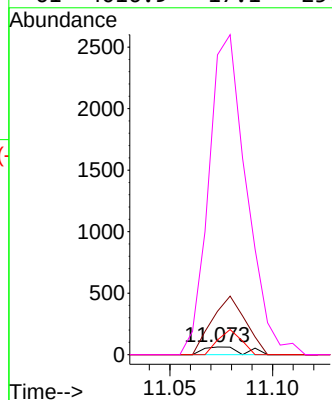
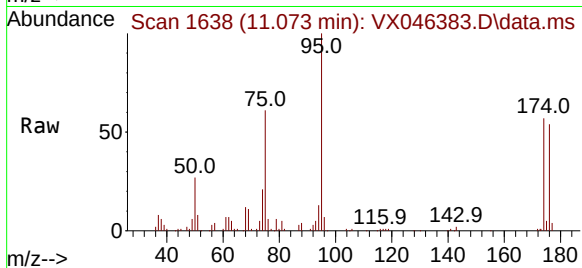
ClientSampleId :

IBLK

Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

43	100		
70	650.6	30.9	46.3#
55	191.6	18.7	28.1#
61	4016.9	17.1	25.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.018 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.128 min

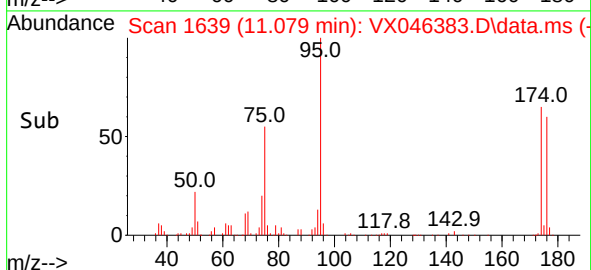
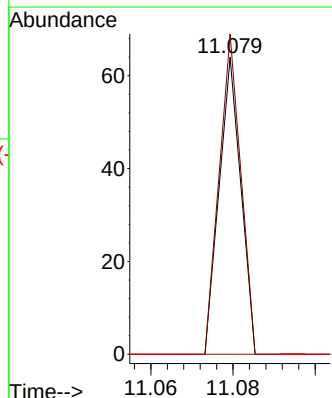
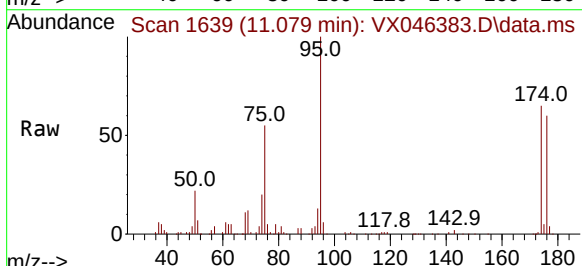
Lab File: VX046383.D

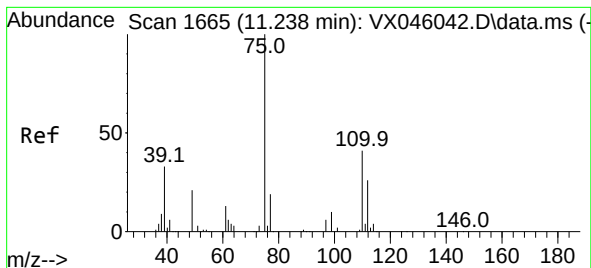
Acq: 28 May 2025 14:16

Tgt Ion: 83 Resp: 23

Ion Ratio Lower Upper

83	100		
131	108.7	5.0	14.9#
85	0.0	31.9	95.7#





#76

1,2,3-Trichloropropane

Concen: 28.756 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046383.D

Acq: 28 May 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

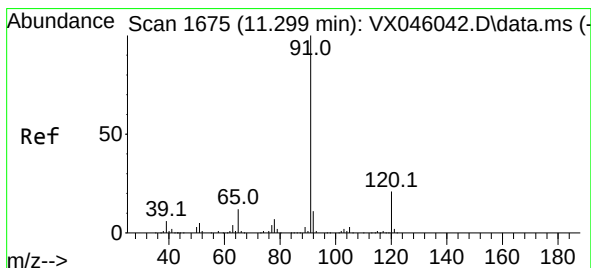
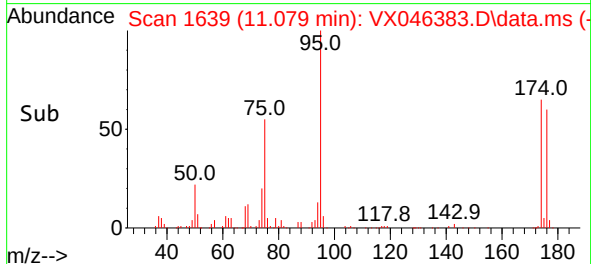
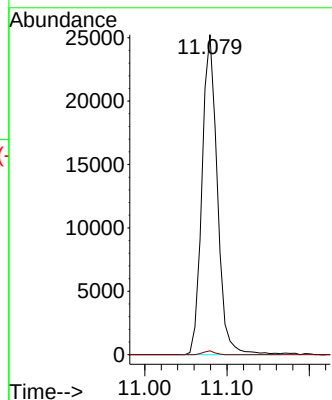
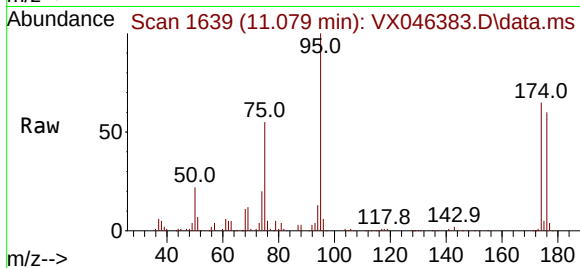
IBLK

Tgt Ion: 75 Resp: 32686

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#



#78

n-propylbenzene

Concen: 0.069 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.213 min

Lab File: VX046383.D

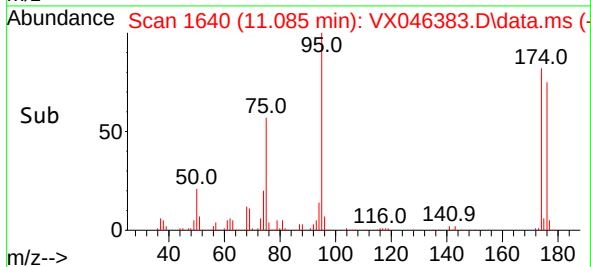
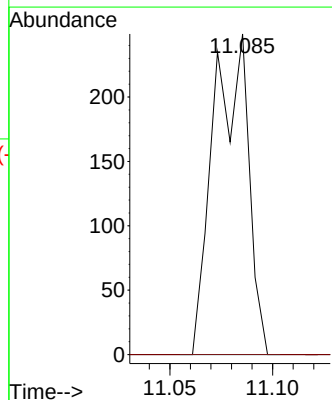
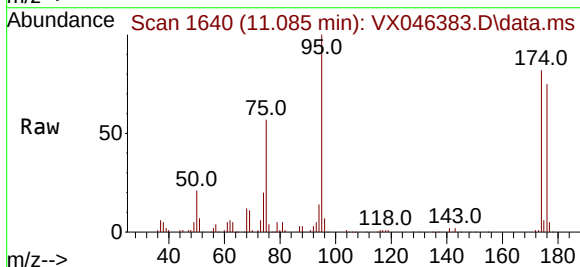
Acq: 28 May 2025 14:16

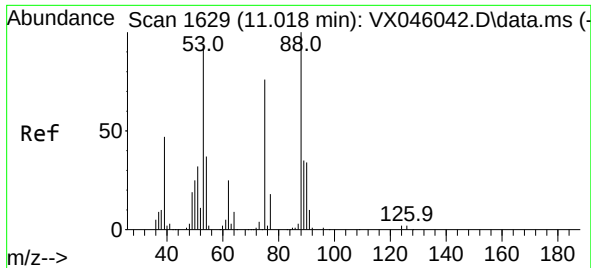
Tgt Ion: 91 Resp: 294

Ion Ratio Lower Upper

91 100

120 0.0 10.8 32.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.621 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX046383.D
 Acq: 28 May 2025 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 32686
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

