

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047761.D
 Acq On : 24 Sep 2025 08:43
 Operator : JC/MD
 Sample : Q3141-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-EB-20250918

Quant Time: Sep 24 09:04:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

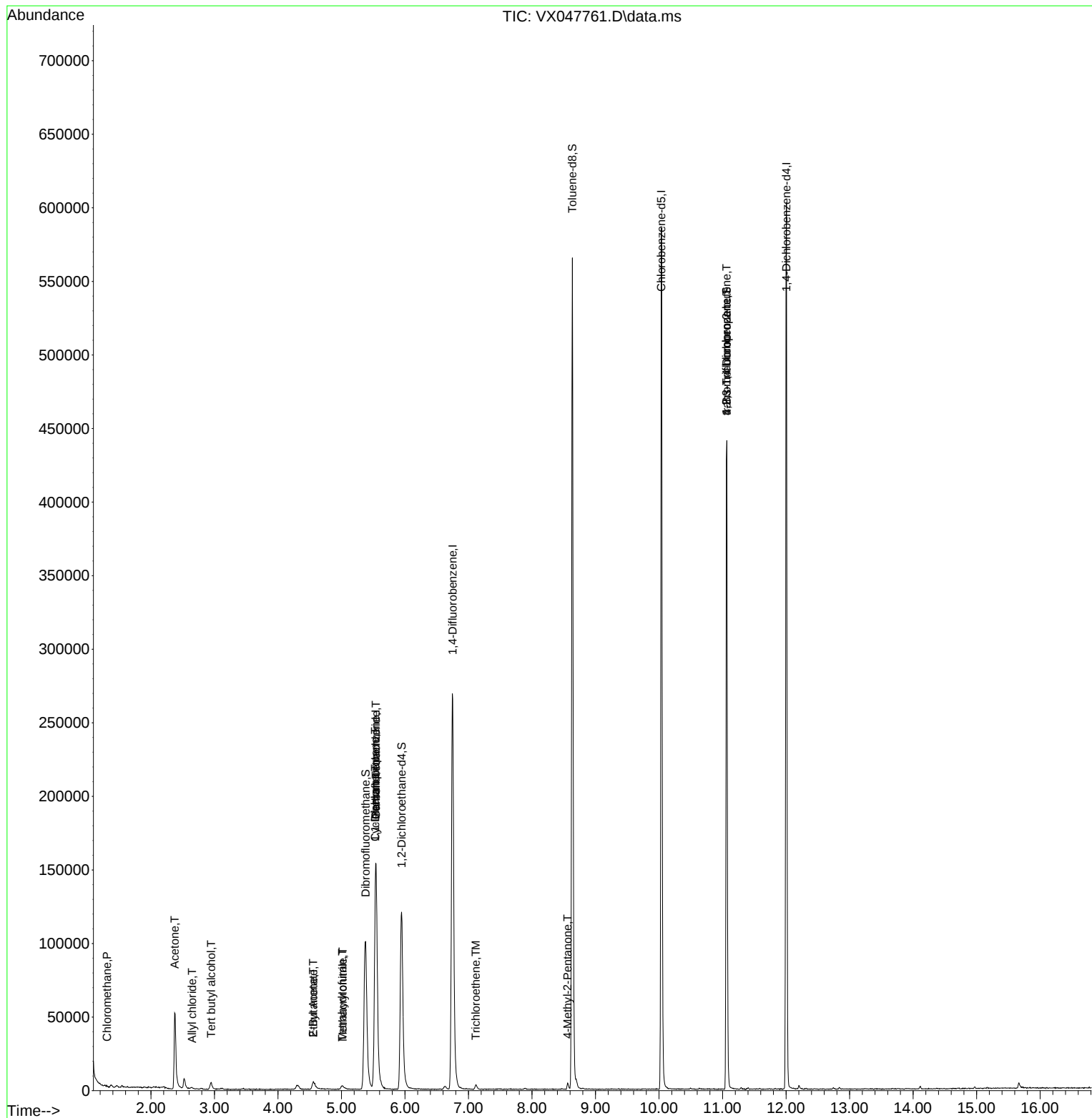
Internal Standards						
1) Pentafluorobenzene	5.538	168	157285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	293648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	132556	52.947	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.900%	
35) Dibromofluoromethane	5.379	113	100689	51.128	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.260%	
50) Toluene-d8	8.635	98	337096	49.468	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	11.061	95	131474	50.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.680%	
Target Compounds						Qvalue
3) Chloromethane	1.307	50	662	0.309	ug/l #	82
11) Tert butyl alcohol	2.947	59	5373	19.270	ug/l	99
14) Allyl chloride	2.648	41	1261	0.327	ug/l #	43
16) Acetone	2.374	43	70220	64.507	ug/l	94
25) 2-Butanone	4.556	43	10584	7.795	ug/l	93
29) Tetrahydrofuran	5.013	42	3000	3.673	ug/l #	77
31) Cyclohexane	5.532	56	3512	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.532	75	13363	4.644	ug/l #	50
37) Ethyl Acetate	4.556	43	10584	3.435	ug/l #	71
38) Carbon Tetrachloride	5.544	117	16453	5.262	ug/l #	17
41) Methacrylonitrile	5.019	41	1583	0.995	ug/l #	43
44) Trichloroethene	7.117	130	1275	0.603	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	2922	1.043	ug/l	98
76) 1,2,3-Trichloropropane	11.061	75	66977	26.092	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	66977	66.538	ug/l #	8

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

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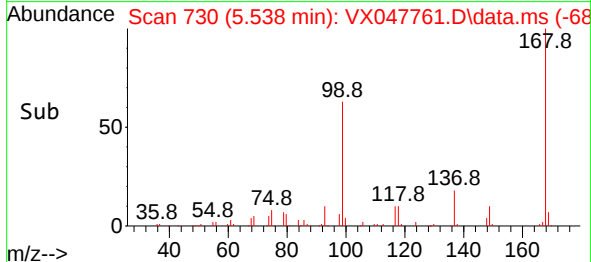
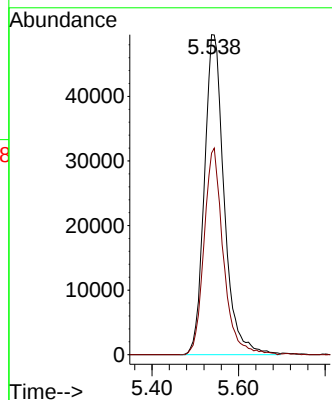
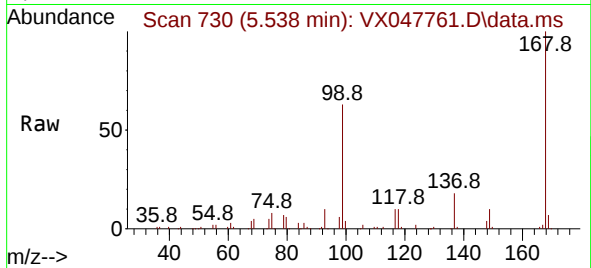




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

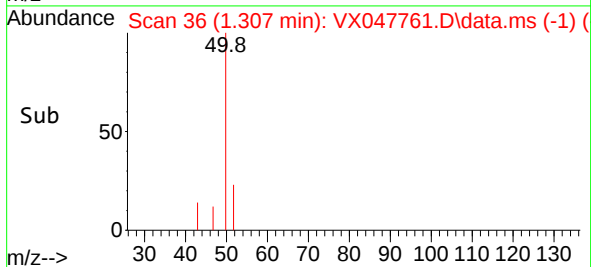
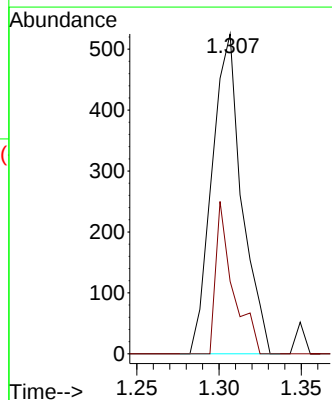
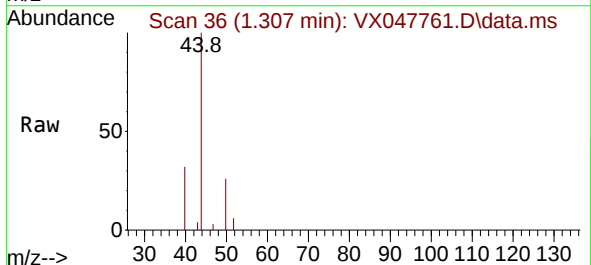
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250918

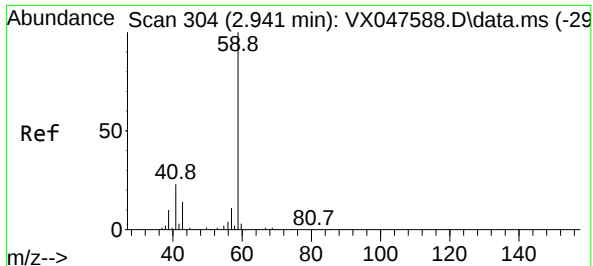
Tgt Ion:168 Resp: 157285
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#3
Chloromethane
Concen: 0.309 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 50 Resp: 662
Ion Ratio Lower Upper
50 100
52 22.7 26.1 39.1#





#11

Tert butyl alcohol

Concen: 19.270 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047761.D

Acq: 24 Sep 2025 08:43

Instrument :

MSVOA_X

ClientSampleId :

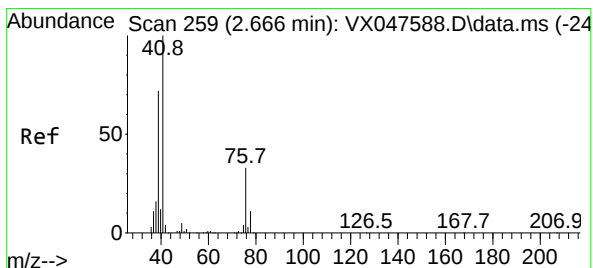
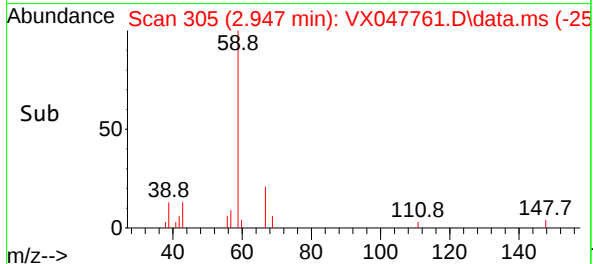
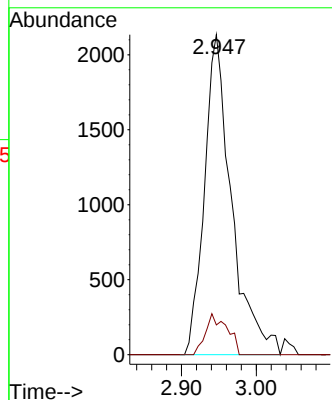
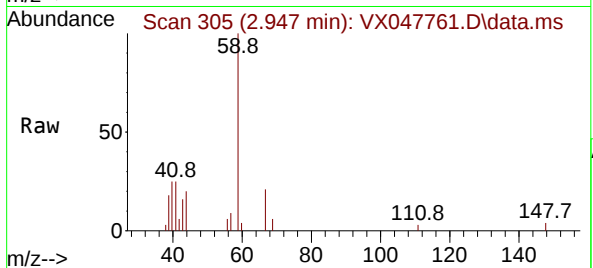
BP-VPB-184-EB-20250918

Tgt Ion: 59 Resp: 5373

Ion Ratio Lower Upper

59 100

57 10.2 8.3 12.5



#14

Allyl chloride

Concen: 0.327 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.018 min

Lab File: VX047761.D

Acq: 24 Sep 2025 08:43

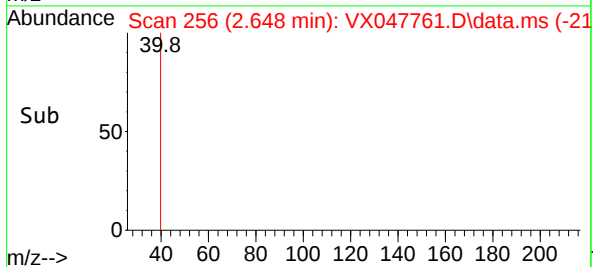
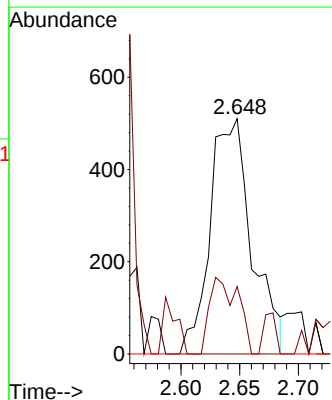
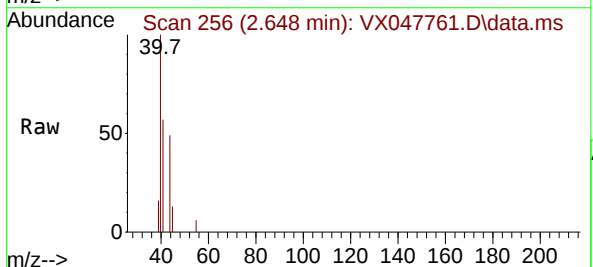
Tgt Ion: 41 Resp: 1261

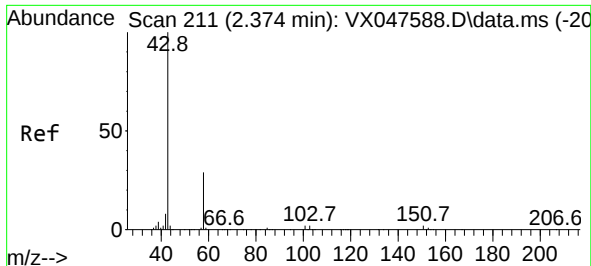
Ion Ratio Lower Upper

41 100

39 22.0 54.7 82.1#

76 0.0 25.7 38.5#

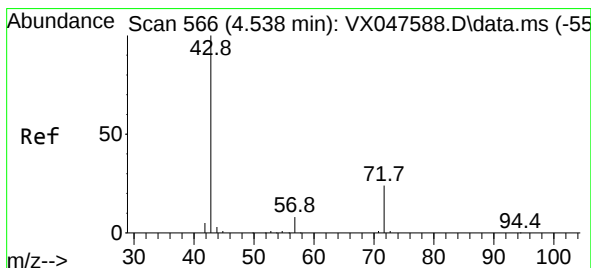
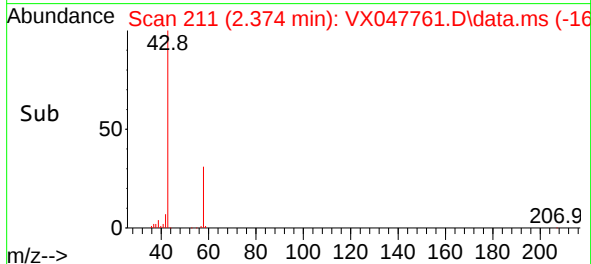
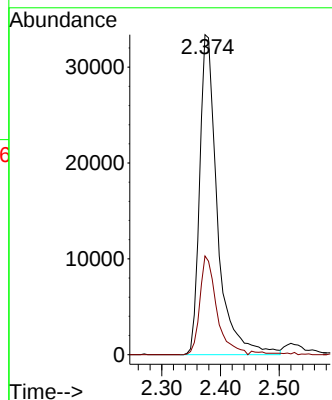
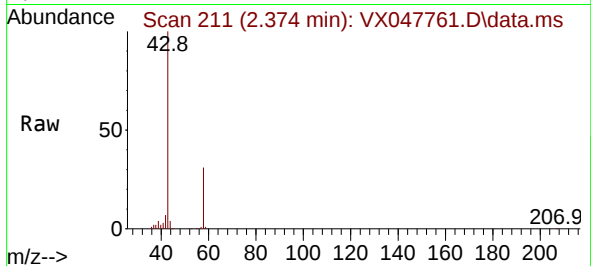




#16
Acetone
Concen: 64.507 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

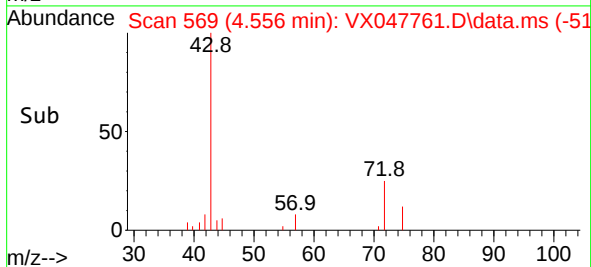
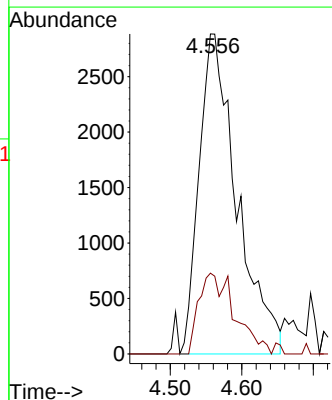
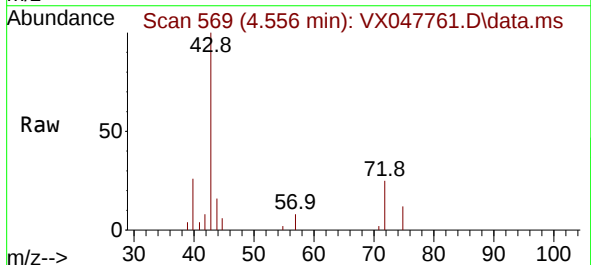
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250918

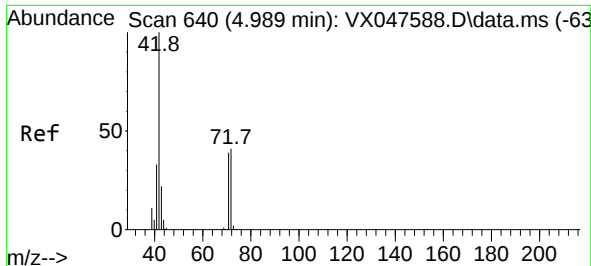
Tgt Ion: 43 Resp: 70220
Ion Ratio Lower Upper
43 100
58 32.3 23.4 35.0



#25
2-Butanone
Concen: 7.795 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 43 Resp: 10584
Ion Ratio Lower Upper
43 100
72 28.8 20.1 30.1





#29

Tetrahydrofuran

Concen: 3.673 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX047761.D

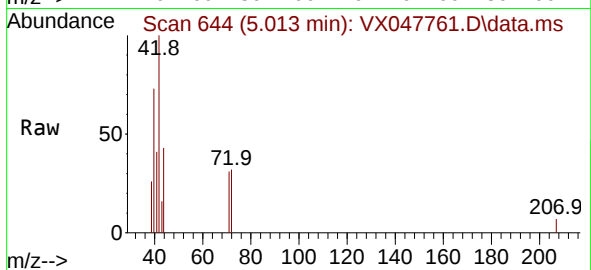
Acq: 24 Sep 2025 08:43

Instrument :

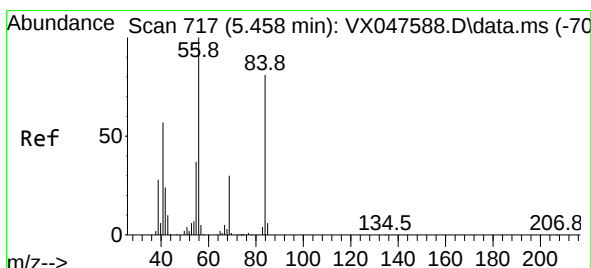
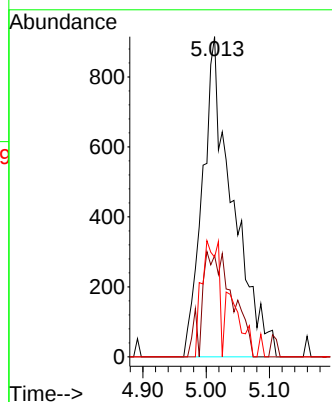
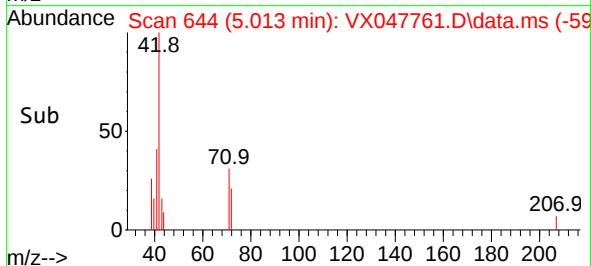
MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20250918



Tgt Ion:	42	Resp:	3000
Ion	Ratio	Lower	Upper
42	100		
72	33.7	34.2	51.2#
71	20.3	31.9	47.9#



#31

Cyclohexane

Concen: 1.062 ug/l

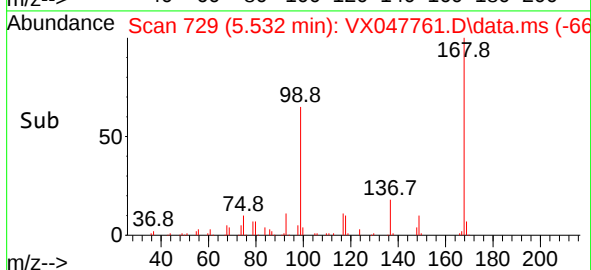
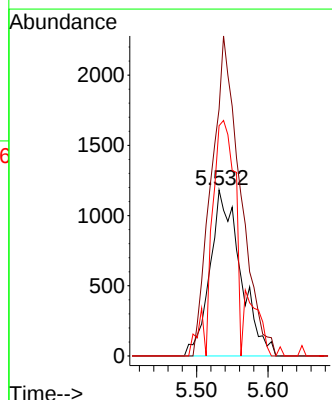
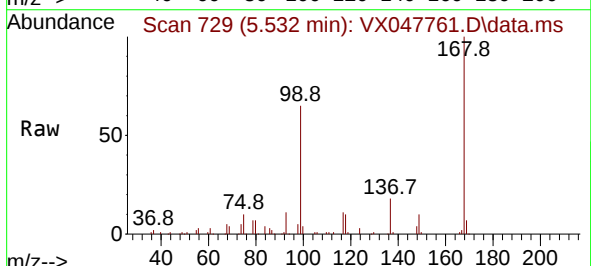
RT: 5.532 min Scan# 729

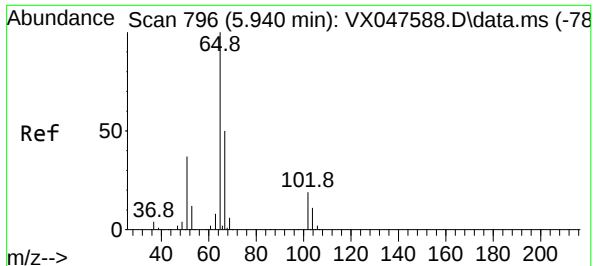
Delta R.T. 0.073 min

Lab File: VX047761.D

Acq: 24 Sep 2025 08:43

Tgt Ion:	56	Resp:	3512
Ion	Ratio	Lower	Upper
56	100		
69	148.7	23.8	35.8#
84	138.7	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.947 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047761.D

Acq: 24 Sep 2025 08:43

Instrument :

MSVOA_X

ClientSampleId :

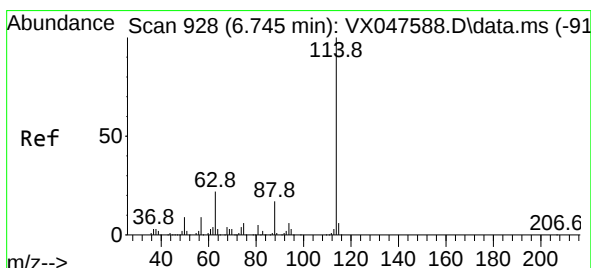
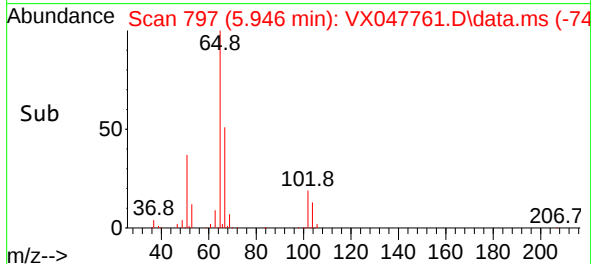
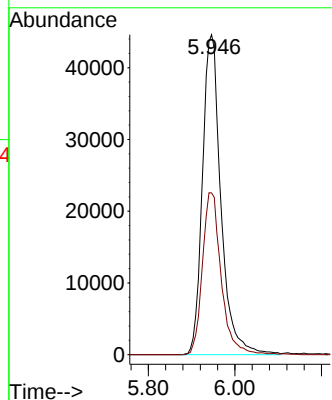
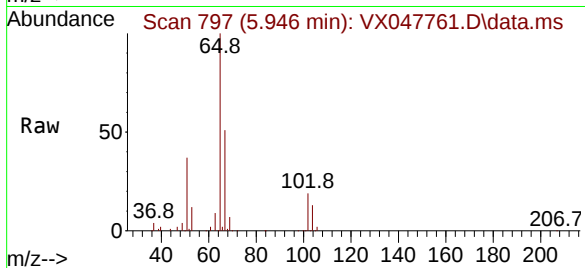
BP-VPB-184-EB-20250918

Tgt Ion: 65 Resp: 132556

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047761.D

Acq: 24 Sep 2025 08:43

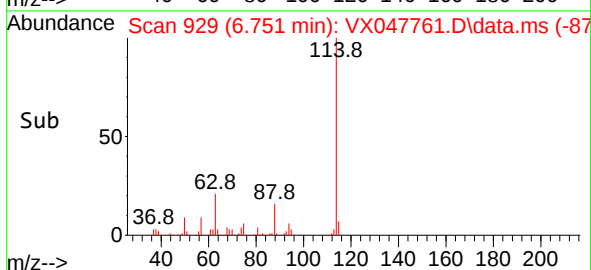
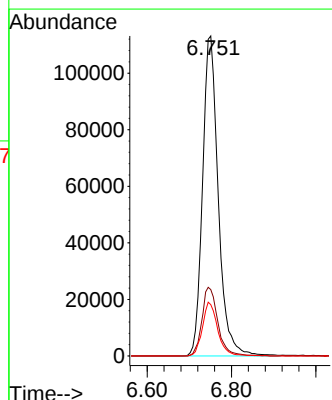
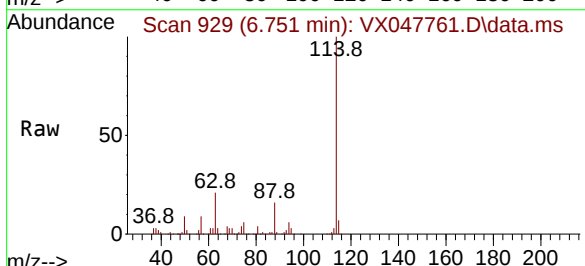
Tgt Ion: 114 Resp: 293648

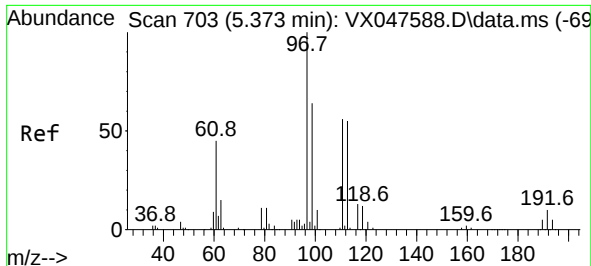
Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.0

88 16.0 0.0 34.2

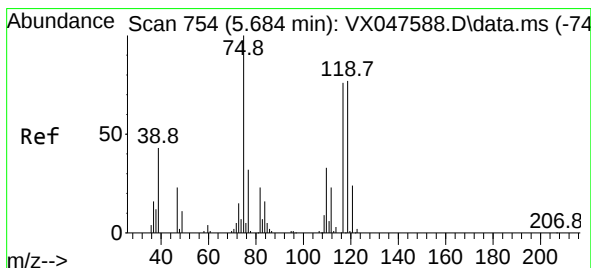
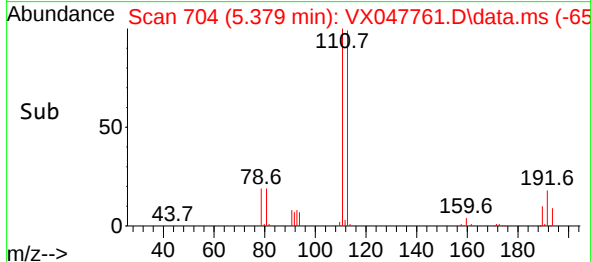
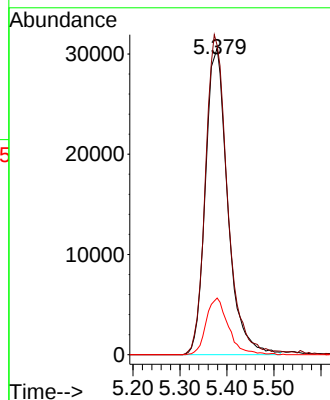
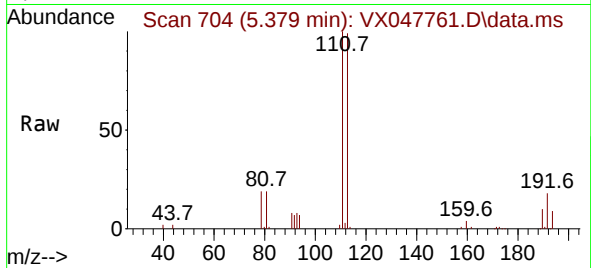




#35
Dibromofluoromethane
Concen: 51.128 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

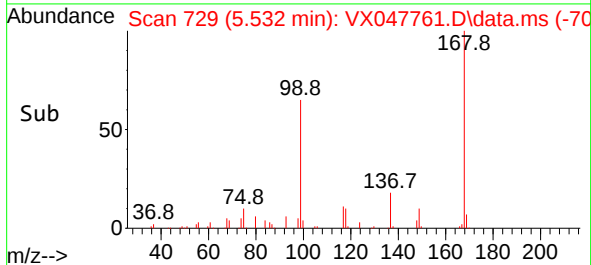
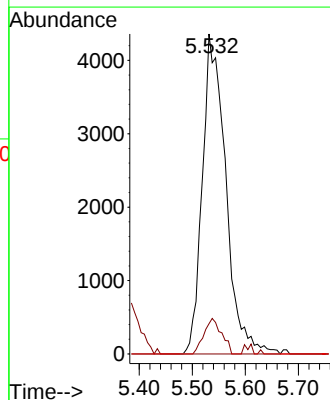
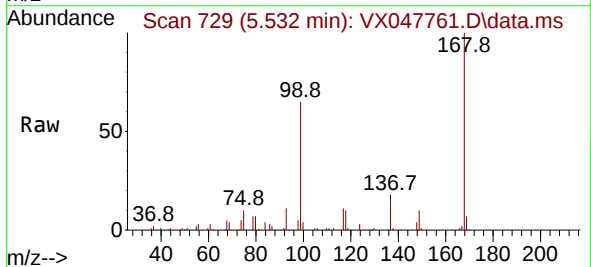
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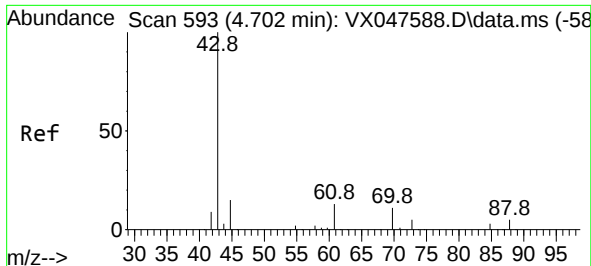
Tgt Ion:113 Resp: 100689
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 18.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.644 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.152 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 75 Resp: 13363
Ion Ratio Lower Upper
75 100
110 8.3 16.7 50.1#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 3.435 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.146 min

Lab File: VX047761.D

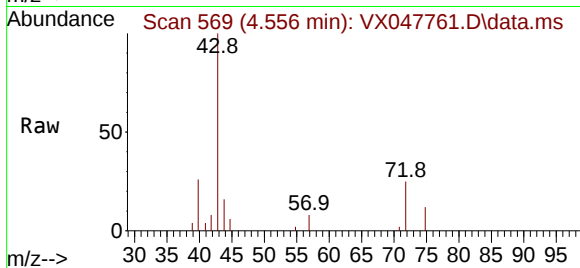
Acq: 24 Sep 2025 08:43

Instrument :

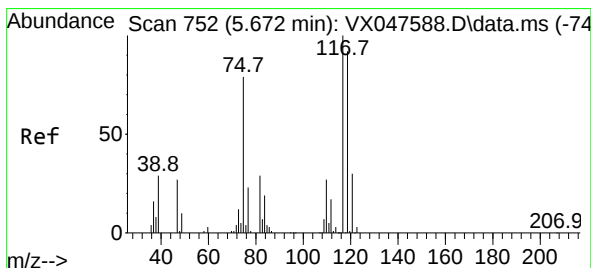
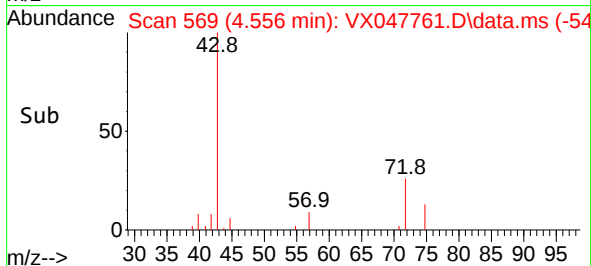
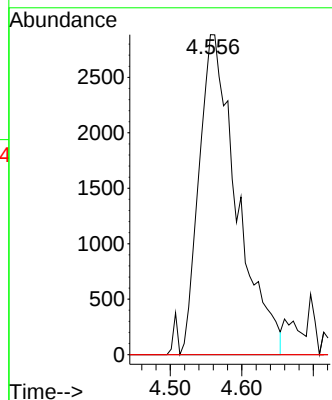
MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20250918



Tgt Ion:	43	Resp:	10584
Ion Ratio	100	Lower	Upper
61	0.0	9.8	14.8#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.262 ug/l

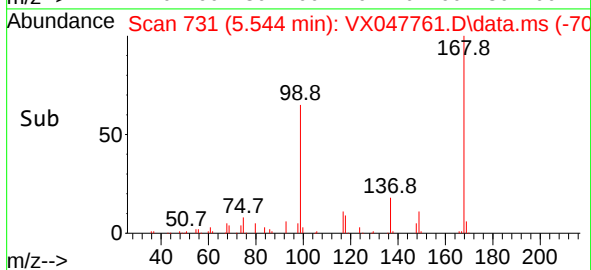
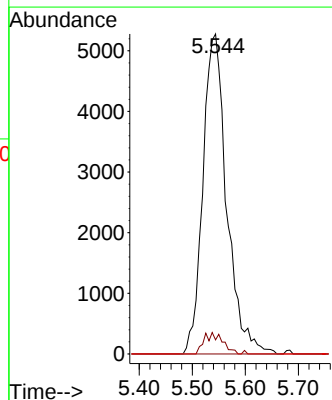
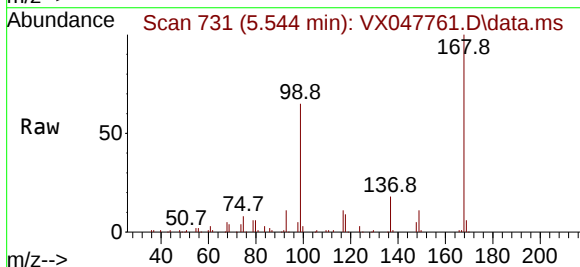
RT: 5.544 min Scan# 731

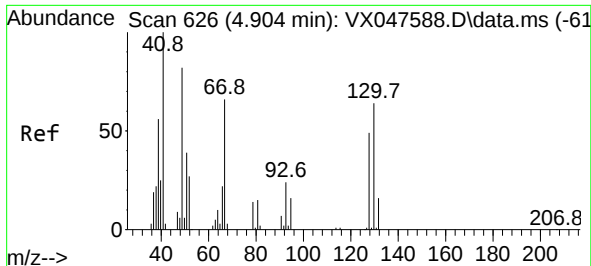
Delta R.T. -0.128 min

Lab File: VX047761.D

Acq: 24 Sep 2025 08:43

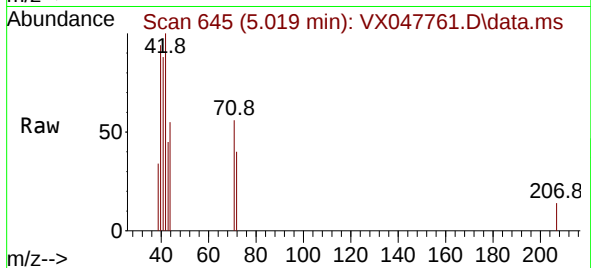
Tgt Ion:	117	Resp:	16453
Ion Ratio	100	Lower	Upper
119	4.4	73.4	110.2#
121	0.0	23.8	35.6#



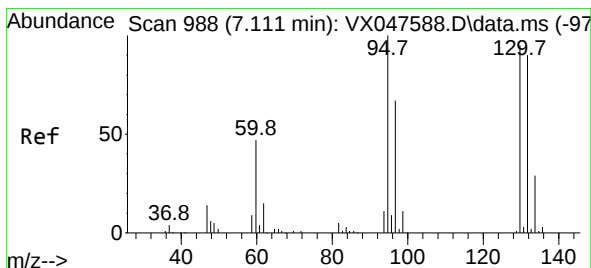
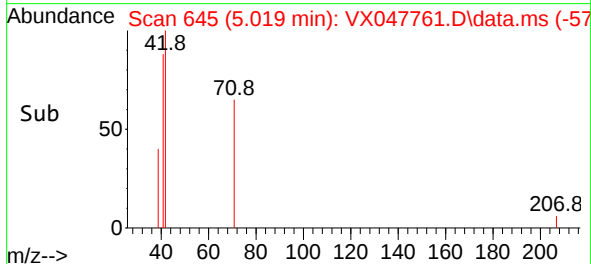
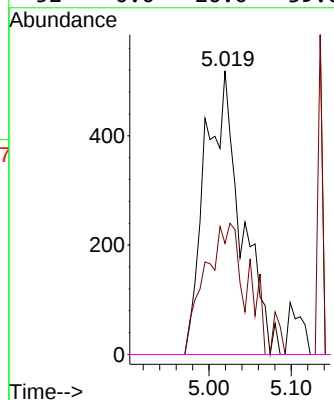


#41
Methacrylonitrile
Concen: 0.995 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.116 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250918

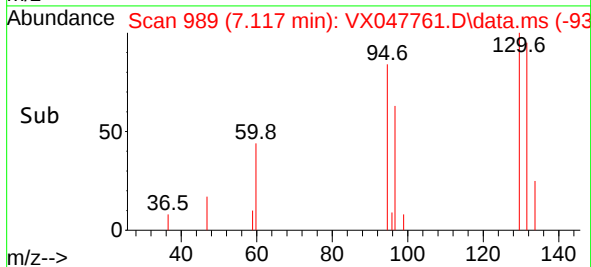
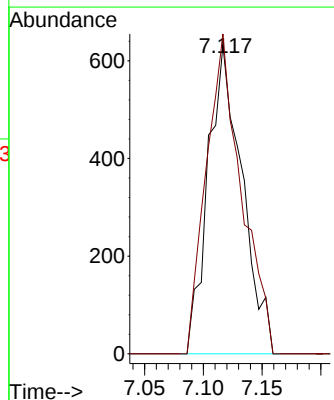
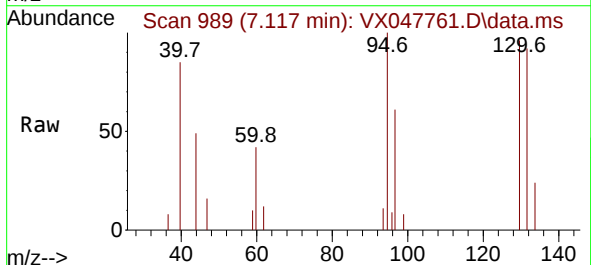


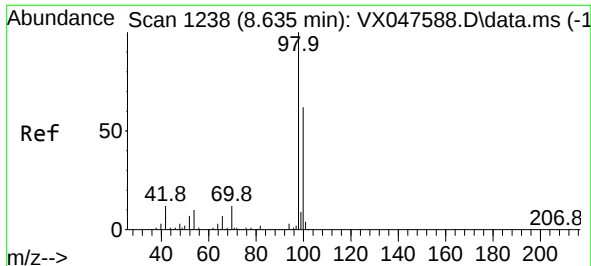
Tgt Ion:	41	Resp:	1583
Ion	Ratio	Lower	Upper
41	100		
39	43.6	43.3	64.9
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



#44
Trichloroethene
Concen: 0.603 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion:	130	Resp:	1275
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	210.8

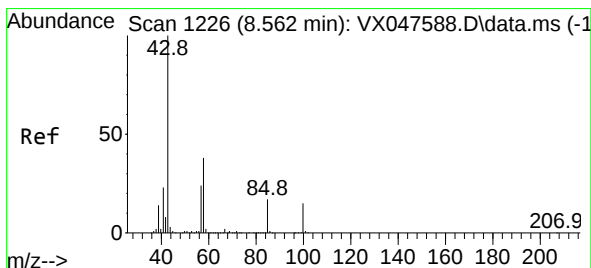
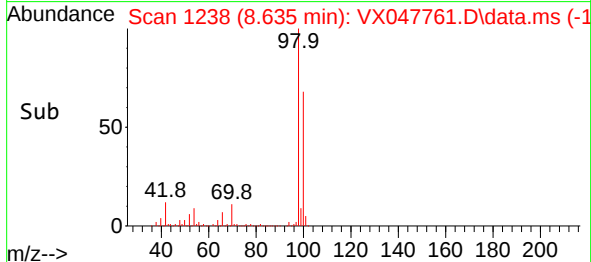
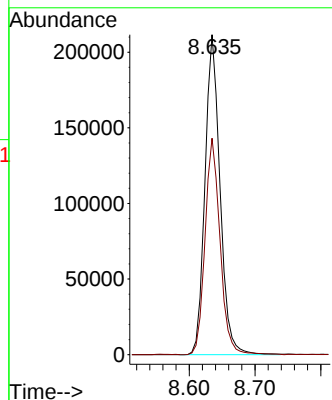
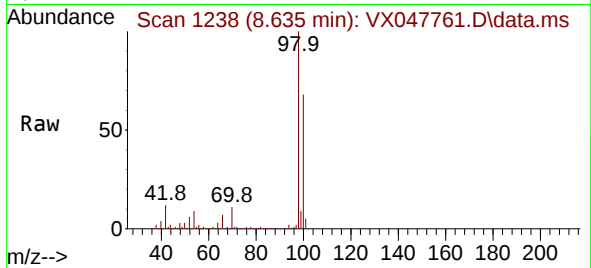




#50
Toluene-d8
Concen: 49.468 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

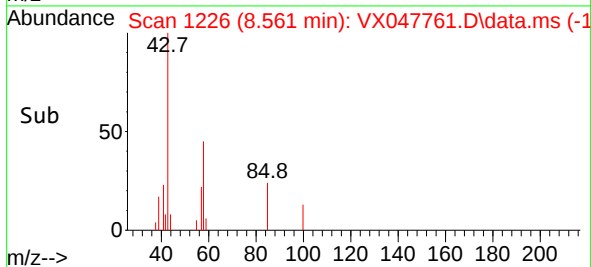
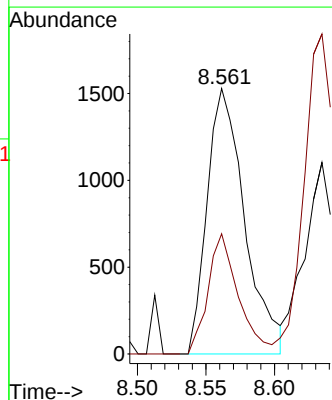
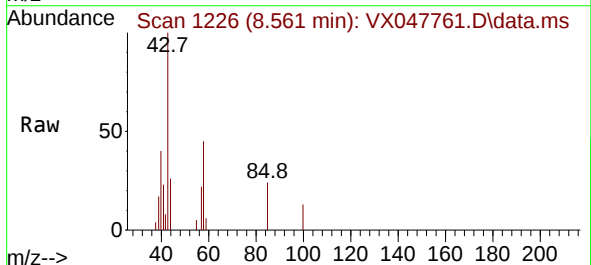
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250918

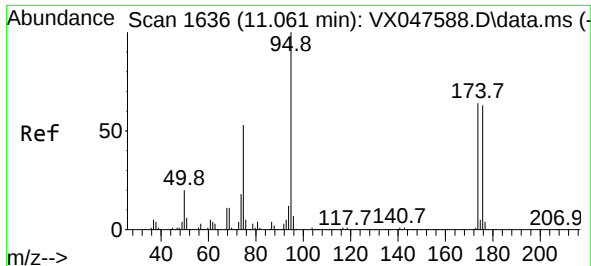
Tgt Ion: 98 Resp: 337096
Ion Ratio Lower Upper
98 100
100 67.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 8.561 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 43 Resp: 2922
Ion Ratio Lower Upper
43 100
58 36.5 30.3 45.5

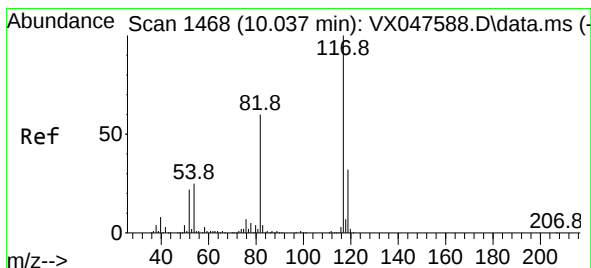
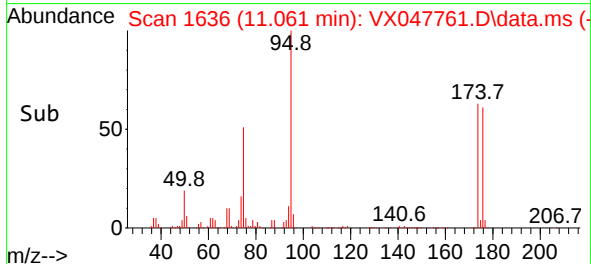
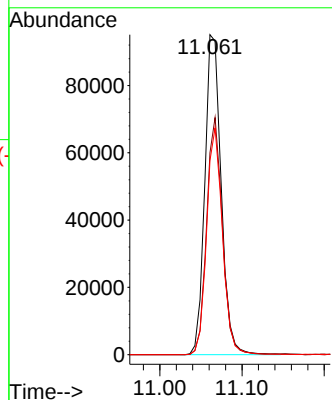
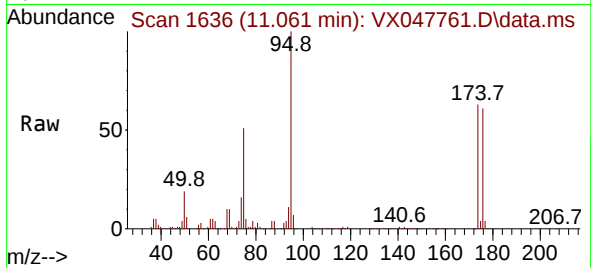




#62
4-Bromofluorobenzene
Concen: 50.837 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

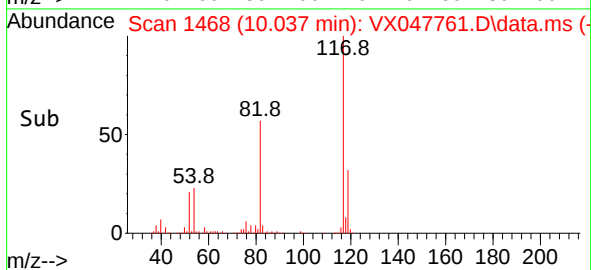
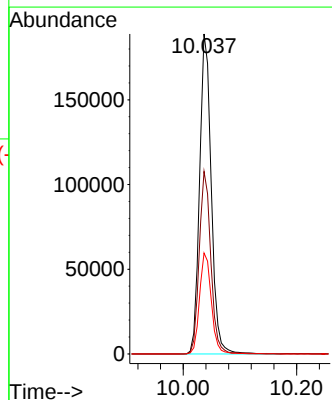
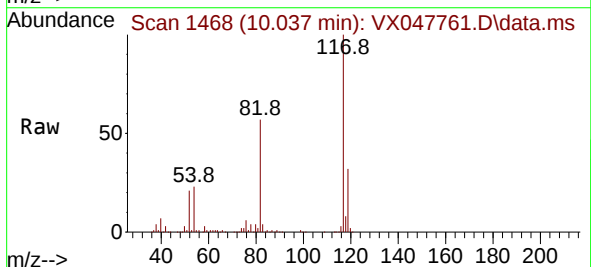
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250918

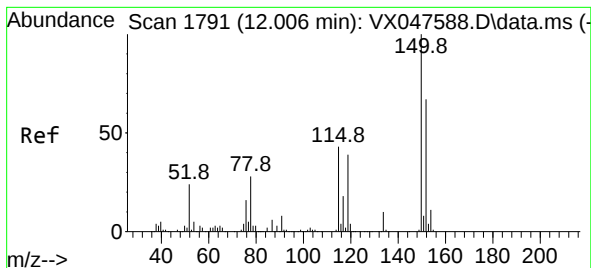
Tgt Ion: 95 Resp: 131474
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.6
176 68.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 117 Resp: 269079
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.6
119 31.6 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047761.D

Acq: 24 Sep 2025 08:43

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20250918

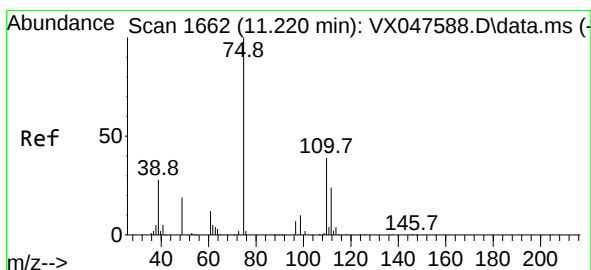
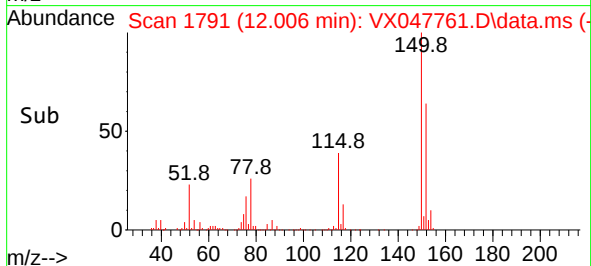
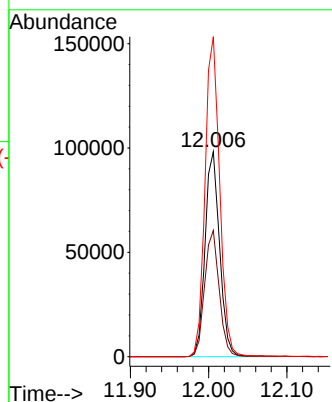
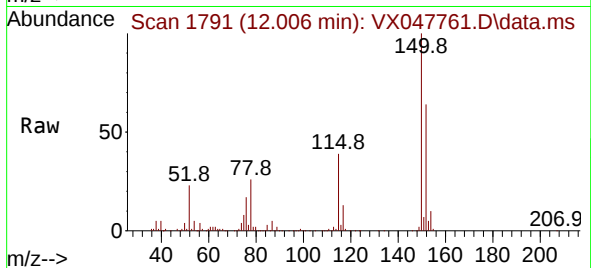
Tgt Ion:152 Resp: 126784

Ion Ratio Lower Upper

152 100

115 61.7 44.9 134.5

150 156.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 26.092 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047761.D

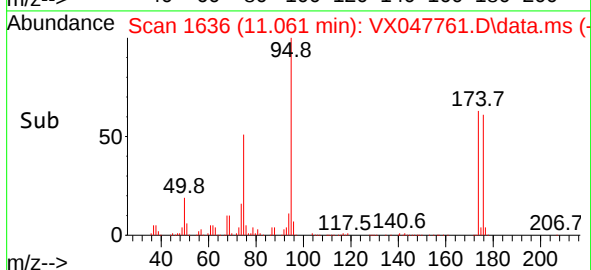
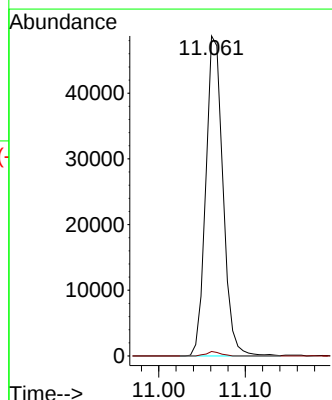
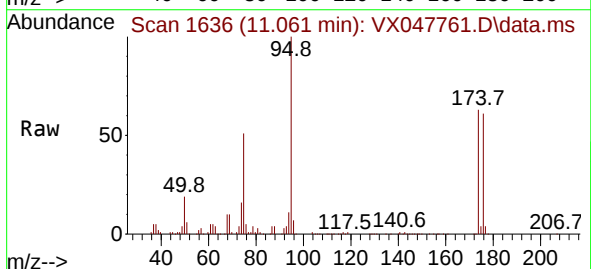
Acq: 24 Sep 2025 08:43

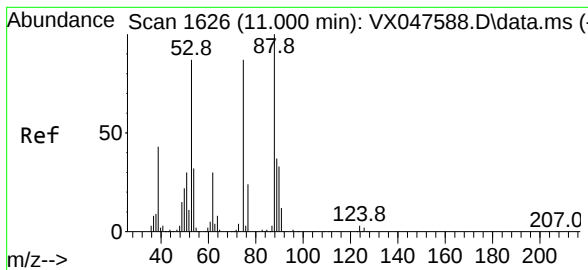
Tgt Ion: 75 Resp: 66977

Ion Ratio Lower Upper

75 100

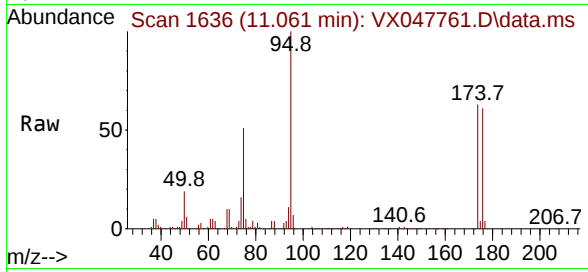
77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.538 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047761.D
 Acq: 24 Sep 2025 08:43

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-EB-20250918



Tgt Ion: 75 Resp: 66977
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

