

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048244.D
 Acq On : 20 Oct 2025 17:20
 Operator : JC/MD
 Sample : Q3371-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-EB-20251016

Quant Time: Oct 25 03:41:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

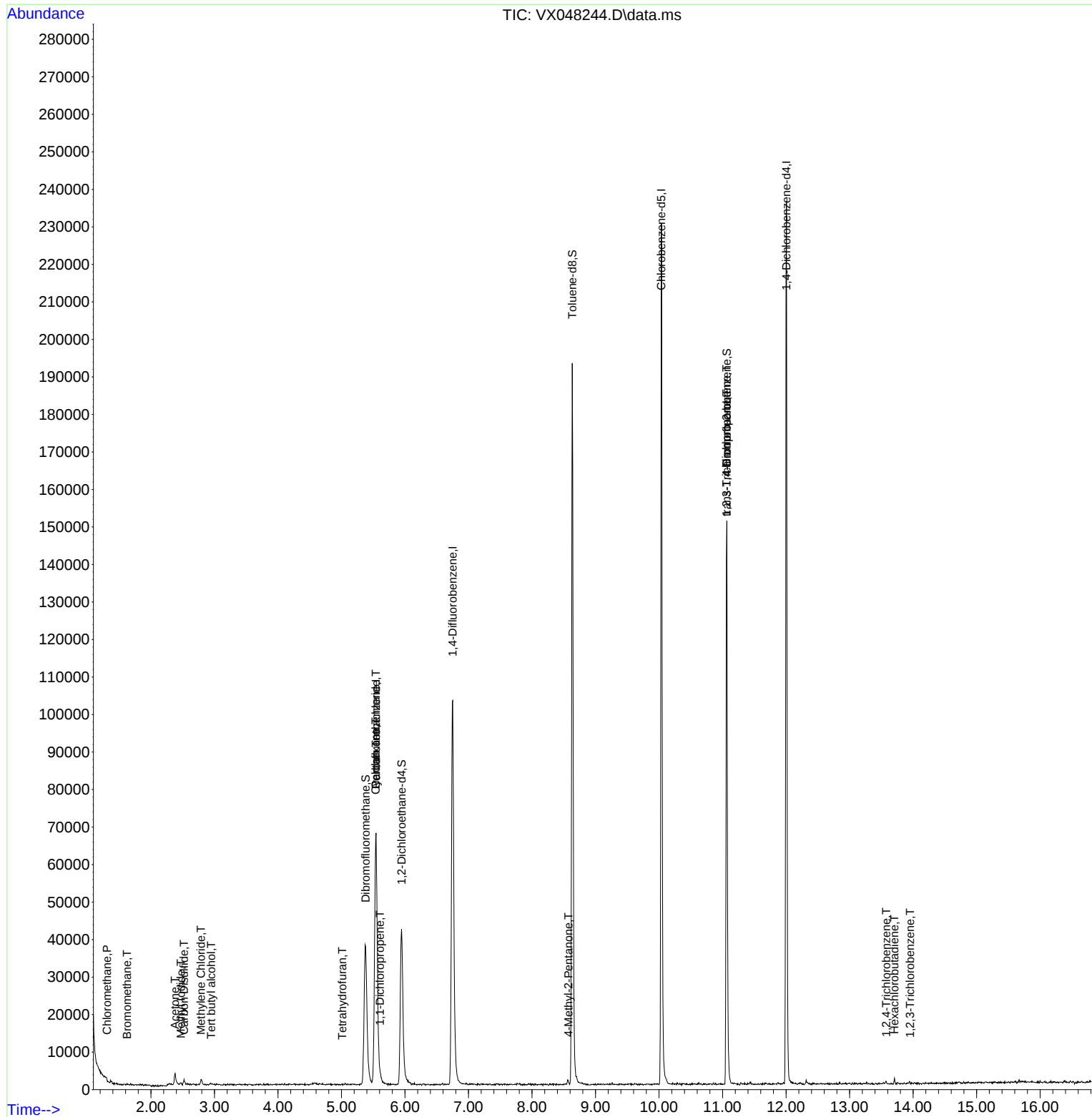
Internal Standards						
1) Pentafluorobenzene	5.544	168	69927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	117116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	109383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	53163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	47920	48.877	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.760%		
35) Dibromofluoromethane	5.379	113	37231	46.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.140%		
50) Toluene-d8	8.634	98	122194	43.602	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.200%#		
62) 4-Bromofluorobenzene	11.067	95	45271	42.462	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.920%		
Target Compounds						Qvalue
3) Chloromethane	1.307	50	352	0.525	ug/l #	82
5) Bromomethane	1.624	94	98	0.232	ug/l	97
10) Methyl Iodide	2.471	142	458	0.483	ug/l #	71
11) Tert butyl alcohol	2.946	59	61	0.627	ug/l #	72
16) Acetone	2.380	43	3653	10.861	ug/l	92
17) Carbon Disulfide	2.520	76	669	0.289	ug/l #	75
20) Methylene Chloride	2.788	84	610	0.744	ug/l #	86
29) Tetrahydrofuran	5.013	42	54	0.212	ug/l #	33
31) Cyclohexane	5.537	56	1286	1.057	ug/l #	1
36) 1,1-Dichloropropene	5.605	75	304	0.268	ug/l #	42
38) Carbon Tetrachloride	5.544	117	7072	5.044	ug/l #	15
51) 4-Methyl-2-Pentanone	8.574	43	804	0.901	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	23381	27.120	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	23381	65.981	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.579	180	347	0.298	ug/l #	85
94) Hexachlorobutadiene	13.707	225	249	0.636	ug/l	75
96) 1,2,3-Trichlorobenzene	13.951	180	224	0.209	ug/l #	78

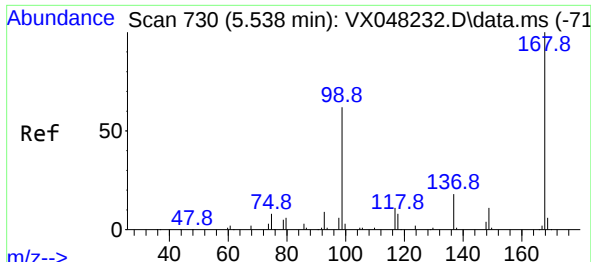
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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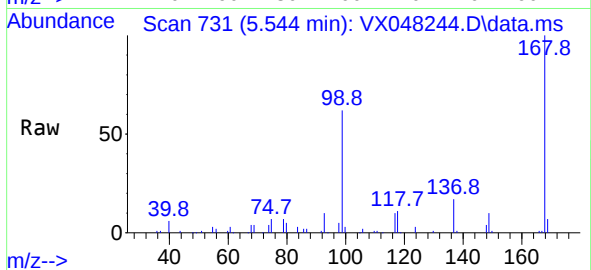
Quant Time: Oct 25 03:41:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
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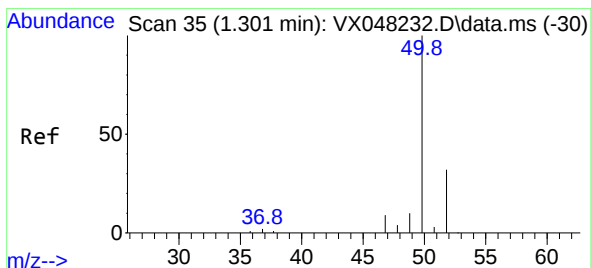
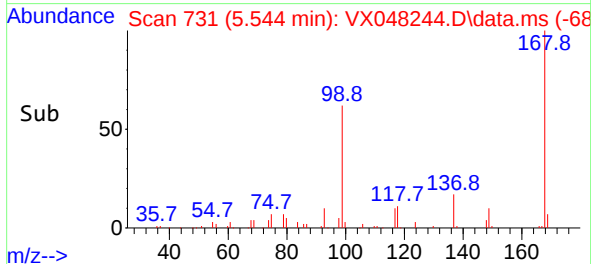
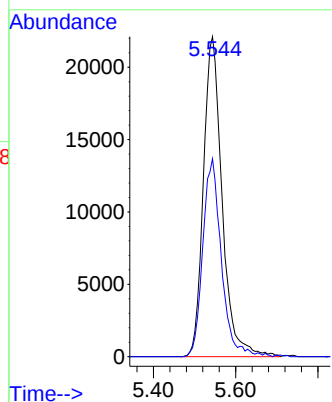


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

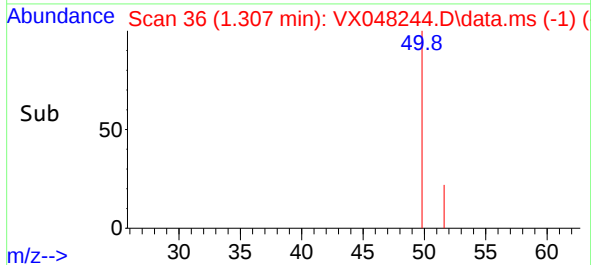
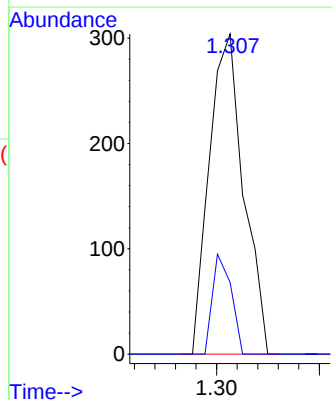
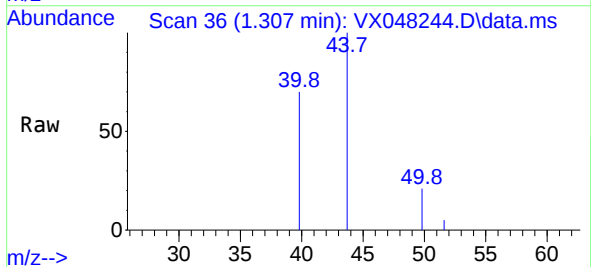


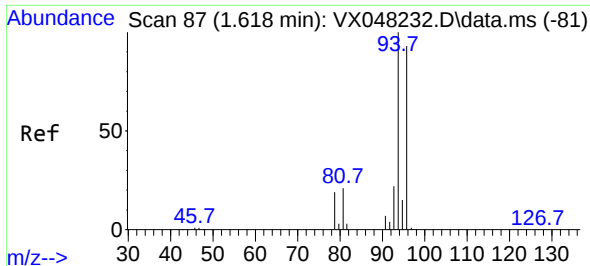
Tgt Ion:168 Resp: 69927
Ion Ratio Lower Upper
168 100
99 61.9 46.4 69.6



#3
Chloromethane
Concen: 0.525 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 22.4 25.9 38.9#

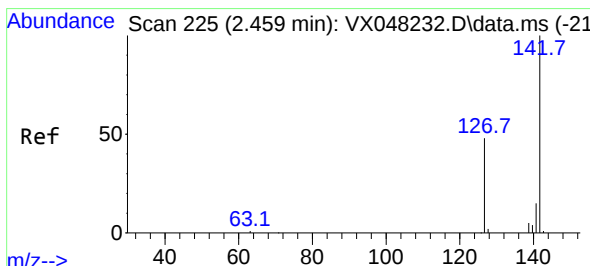
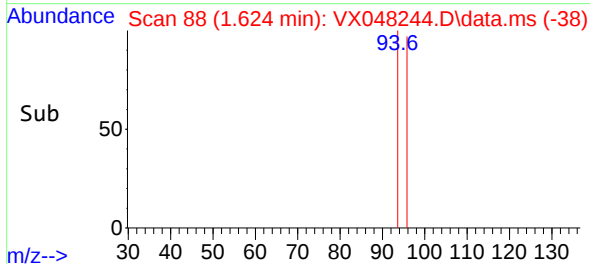
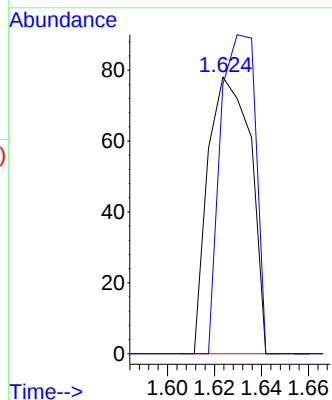
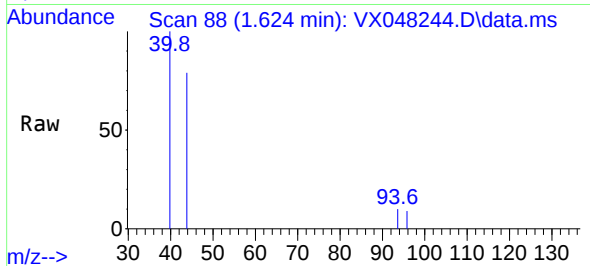




#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

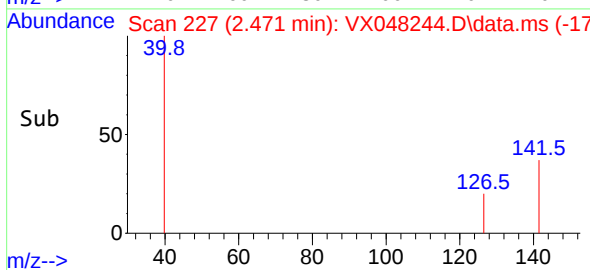
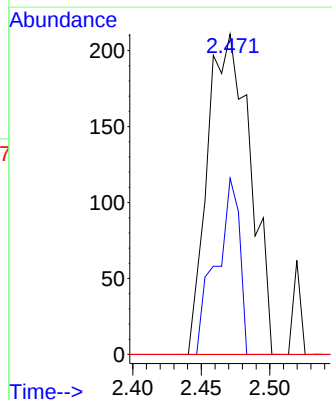
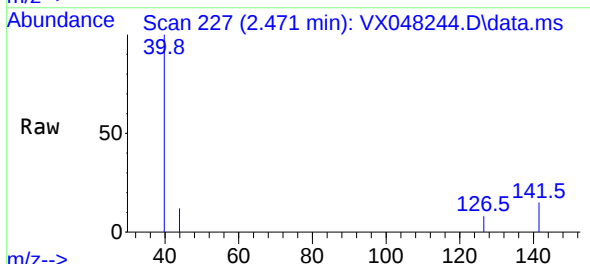
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

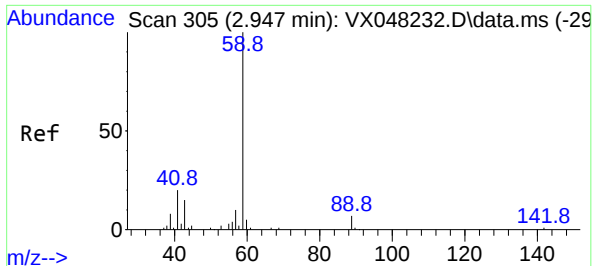
Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 97.4 76.0 114.0



#10
Methyl Iodide
Concen: 0.483 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 142 Resp: 458
Ion Ratio Lower Upper
142 100
127 30.1 38.5 57.7#
141 0.0 11.6 17.4#

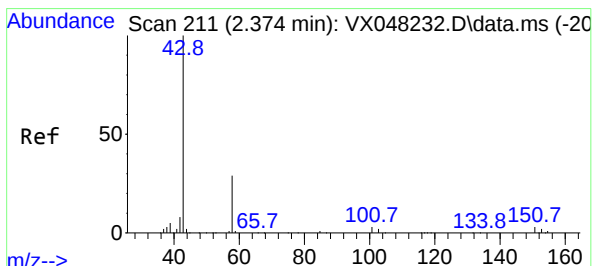
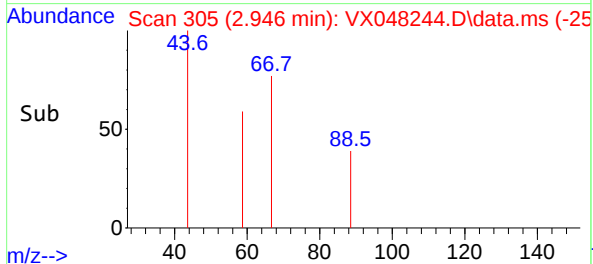
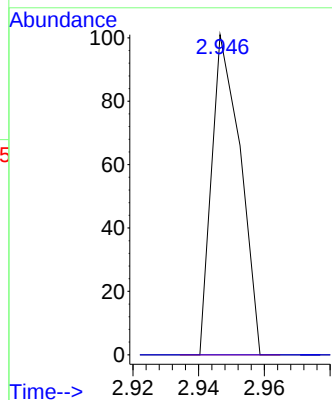
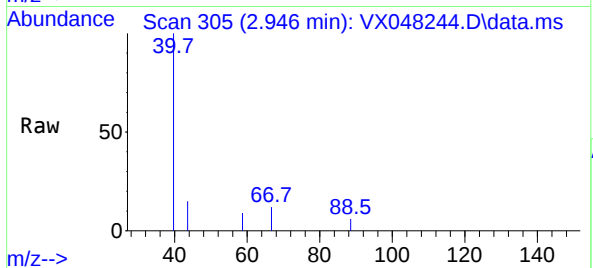




#11
Tert butyl alcohol
Concen: 0.627 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

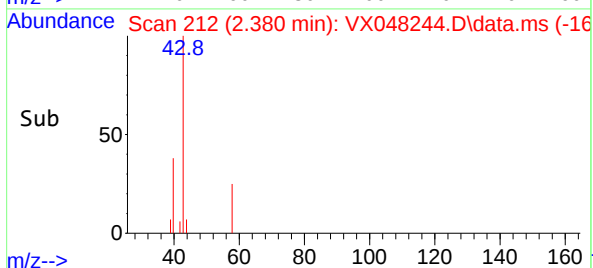
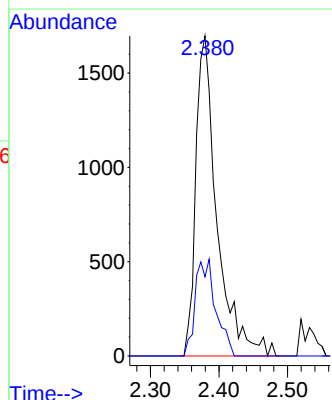
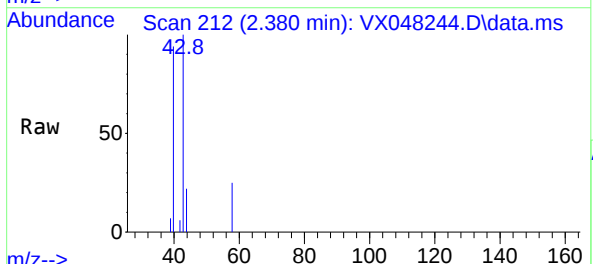
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

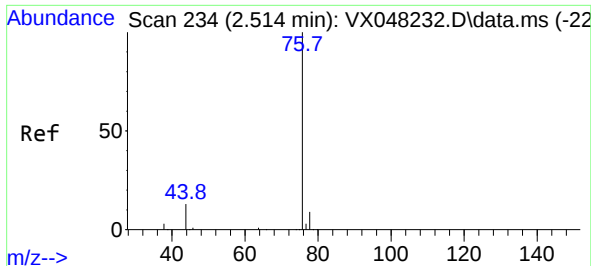
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 10.861 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 43 Resp: 3653
Ion Ratio Lower Upper
43 100
58 24.7 23.4 35.2

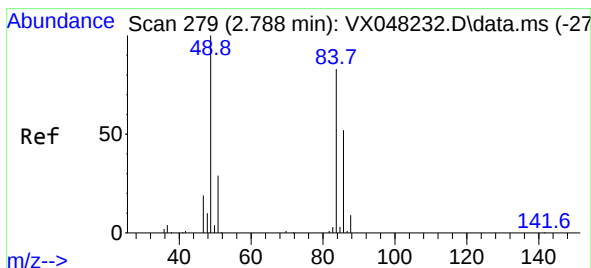
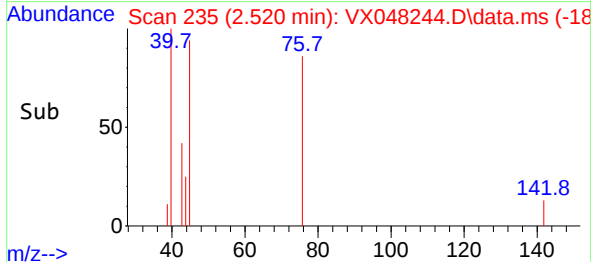
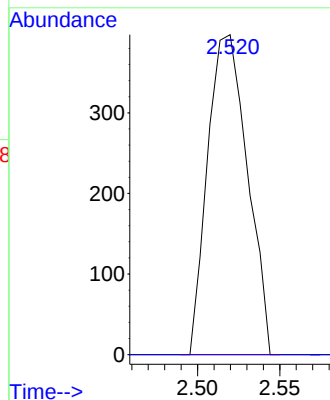
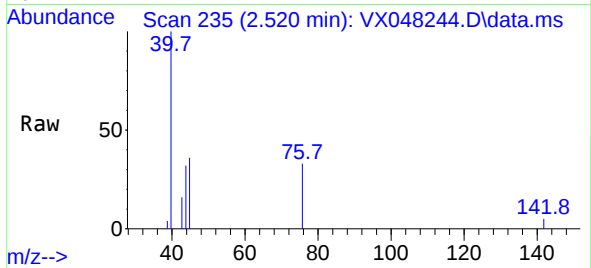




#17
Carbon Disulfide
Concen: 0.289 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

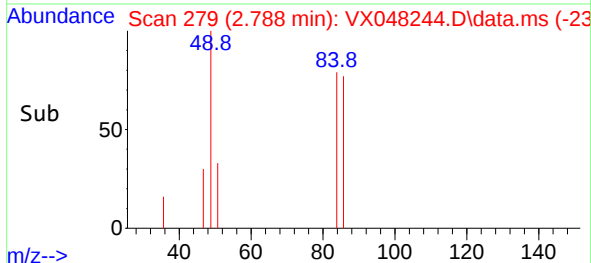
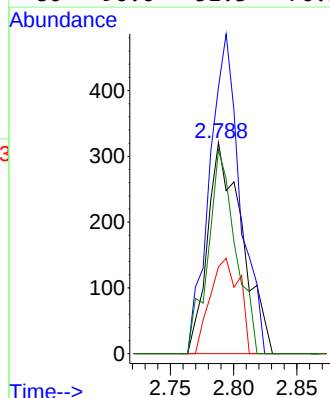
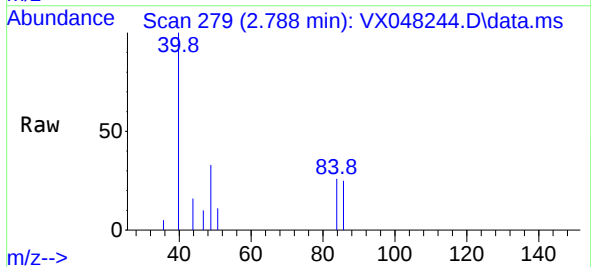
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

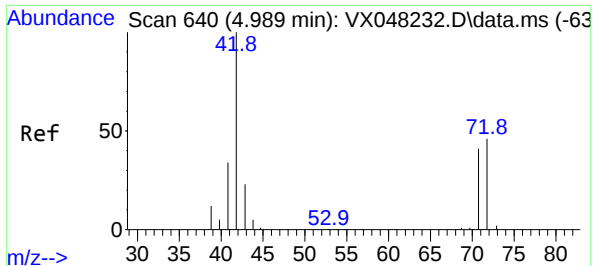
Tgt Ion: 76 Resp: 669
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#20
Methylene Chloride
Concen: 0.744 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 126.2 104.1 156.1
51 41.1 31.3 46.9
86 96.6 51.3 76.9#





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX048244.D

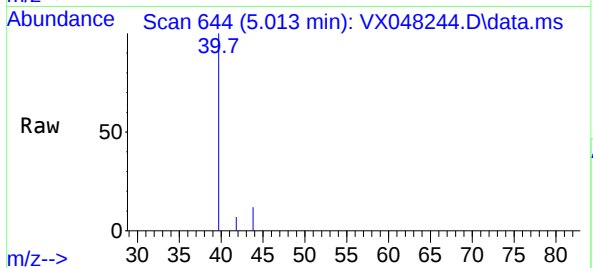
Acq: 20 Oct 2025 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20251016



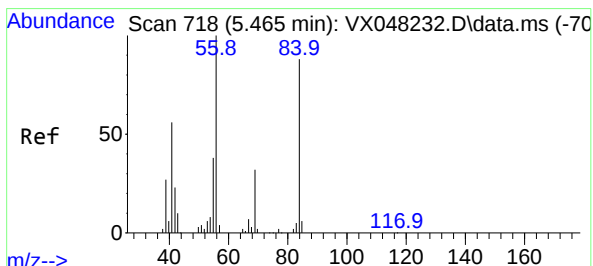
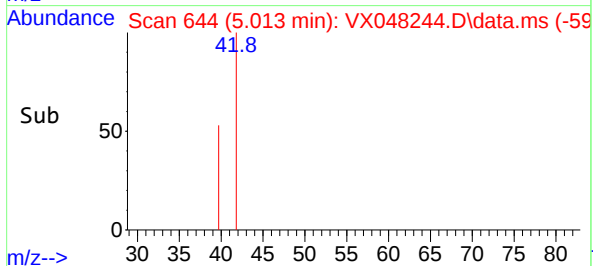
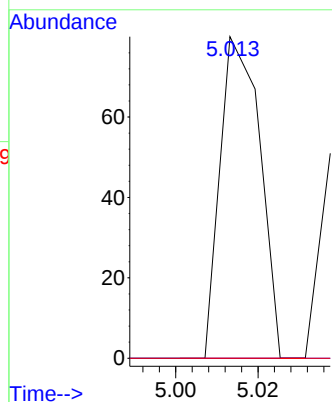
Tgt Ion: 42 Resp: 54

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.057 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048244.D

Acq: 20 Oct 2025 17:20

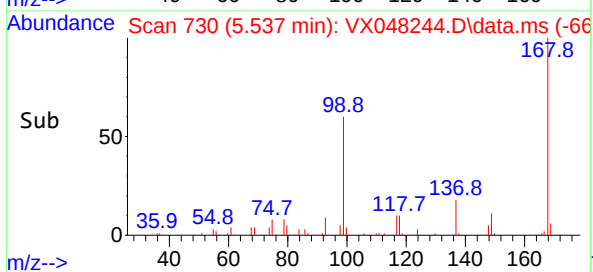
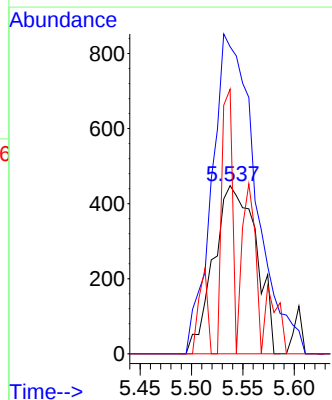
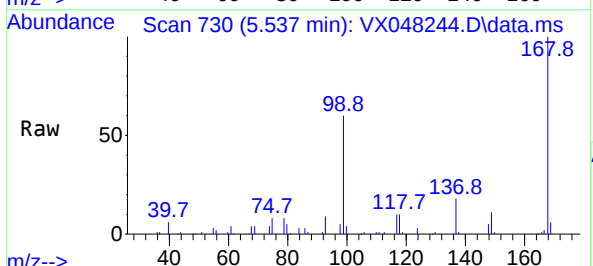
Tgt Ion: 56 Resp: 1286

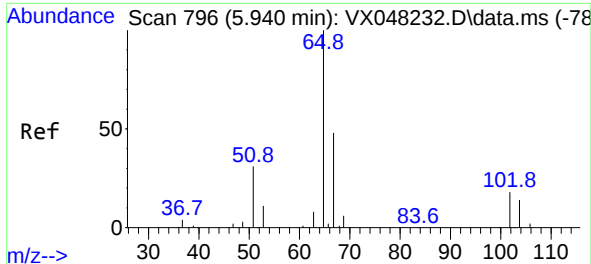
Ion Ratio Lower Upper

56 100

69 182.6 23.0 34.6#

84 157.4 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.877 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048244.D

Acq: 20 Oct 2025 17:20

Instrument :

MSVOA_X

ClientSampleId :

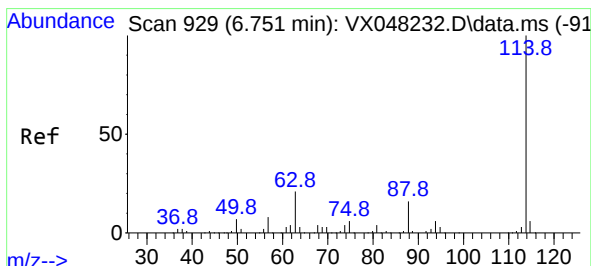
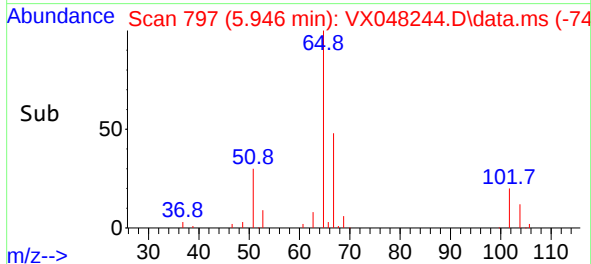
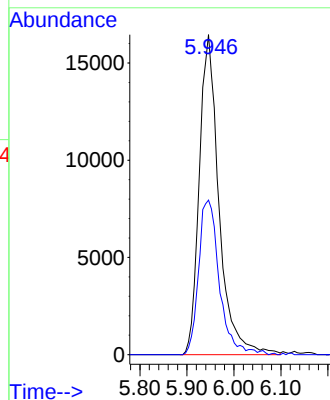
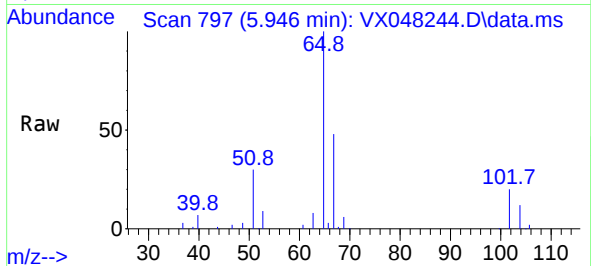
BP-VPB-184-EB-20251016

Tgt Ion: 65 Resp: 47920

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048244.D

Acq: 20 Oct 2025 17:20

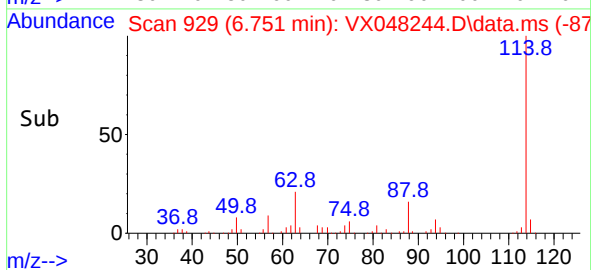
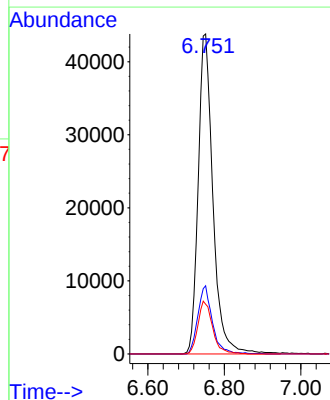
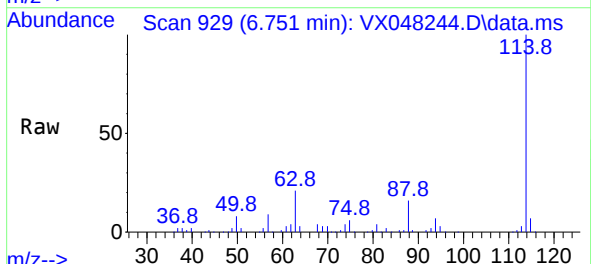
Tgt Ion: 114 Resp: 117116

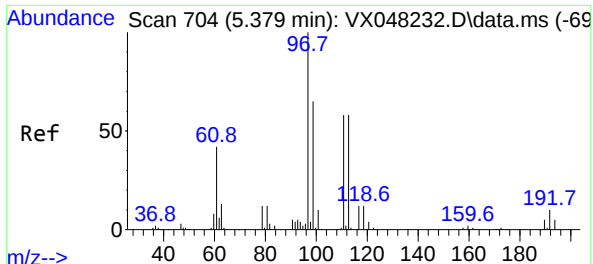
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

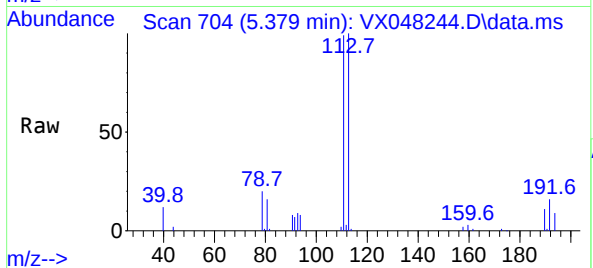
88 15.5 0.0 33.6





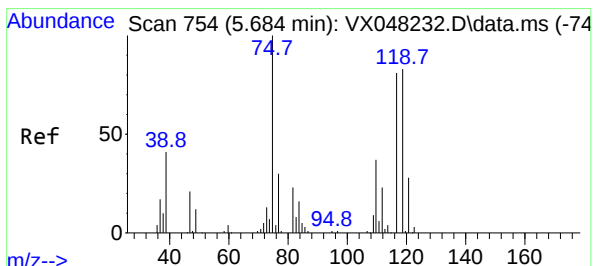
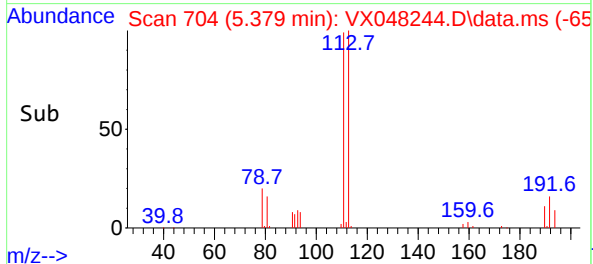
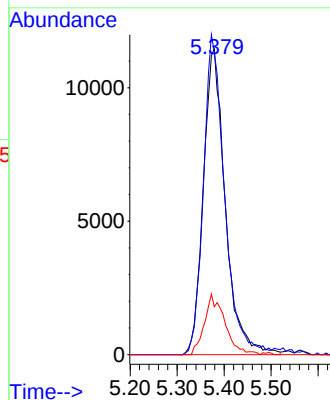
#35
Dibromofluoromethane
Concen: 46.565 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016



Tgt Ion:113 Resp: 37231

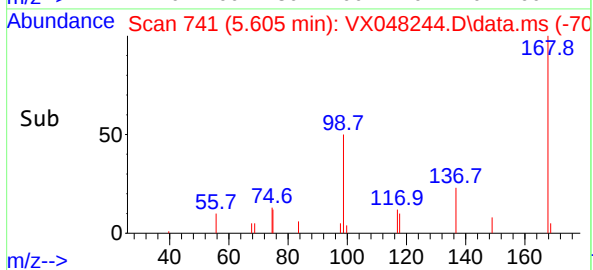
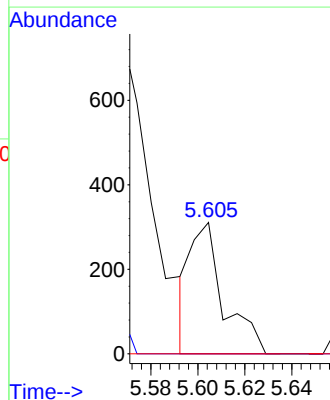
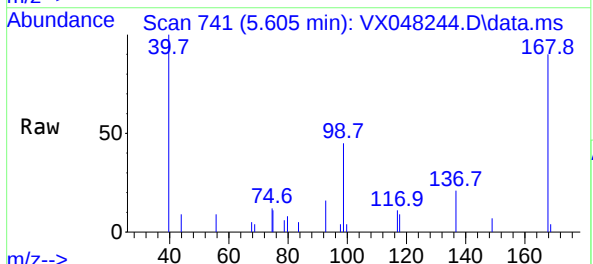
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.2	123.4
192	18.4	15.1	22.7

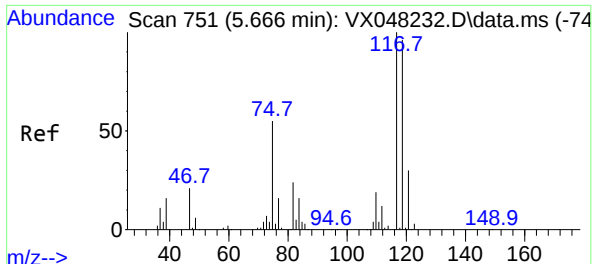


#36
1,1-Dichloropropene
Concen: 0.268 ug/l
RT: 5.605 min Scan# 741
Delta R.T. -0.079 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 75 Resp: 304

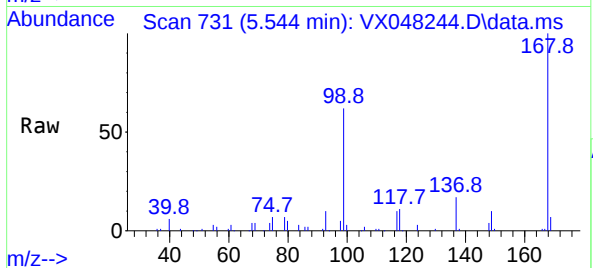
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.7	53.1#
77	0.0	24.3	36.5#



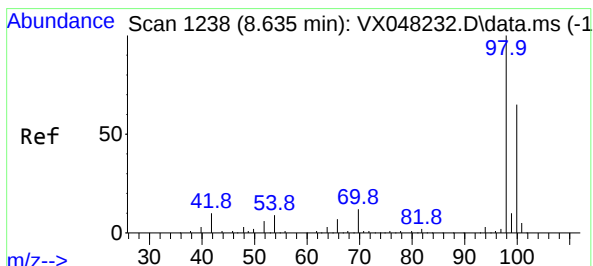
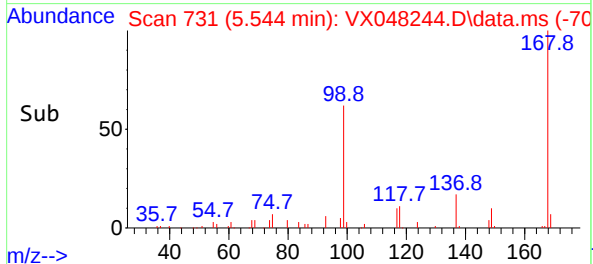
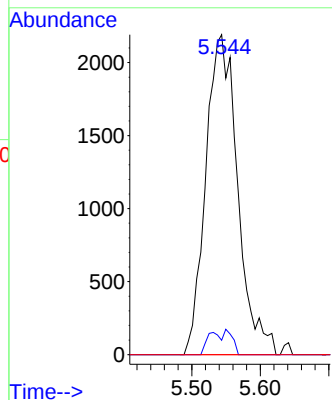


#38
Carbon Tetrachloride
Concen: 5.044 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

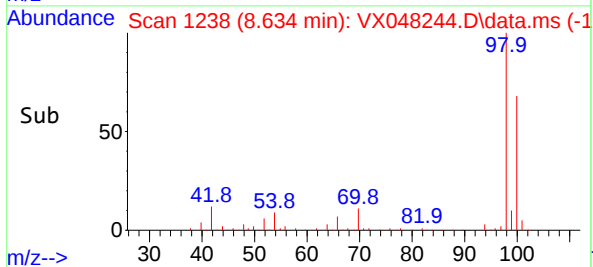
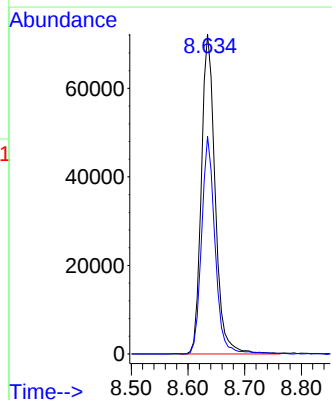
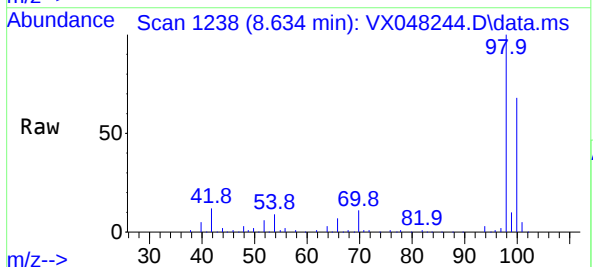


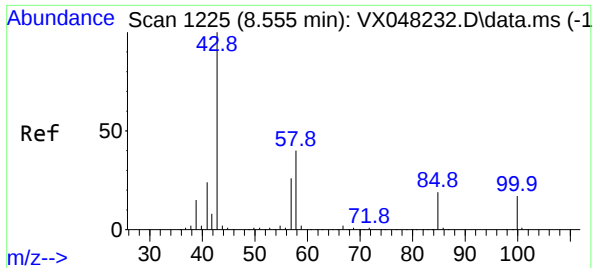
Tgt Ion:117 Resp: 7072
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 43.602 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 98 Resp: 122194
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

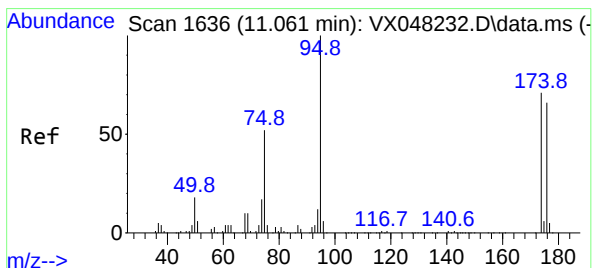
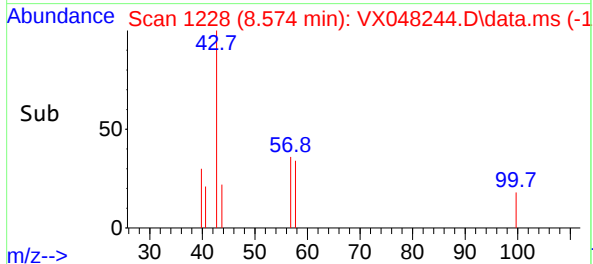
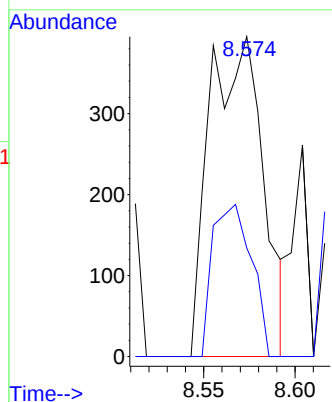
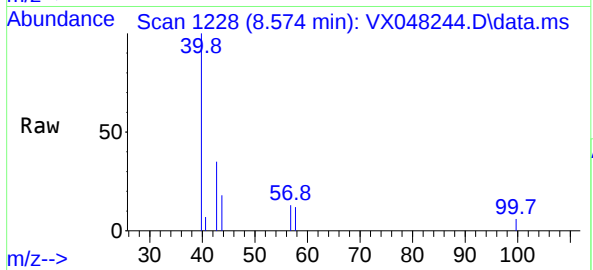




#51
4-Methyl-2-Pentanone
Concen: 0.901 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

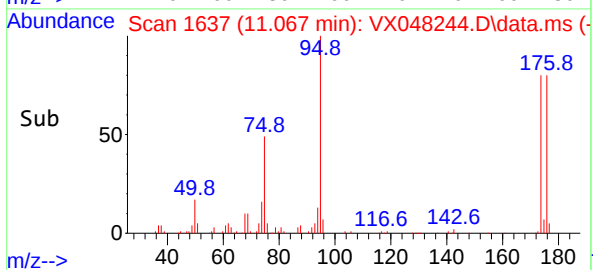
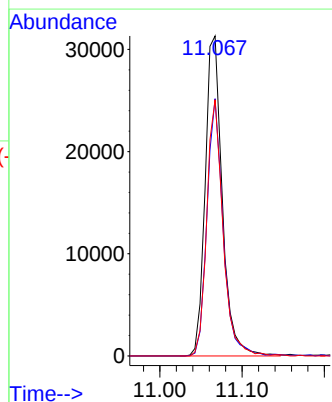
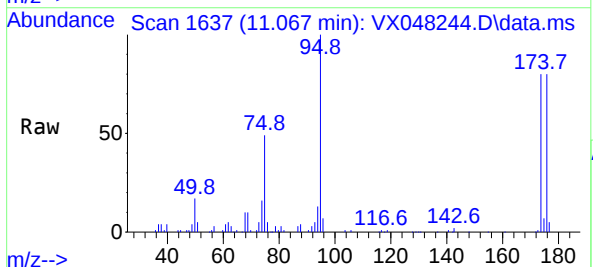
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

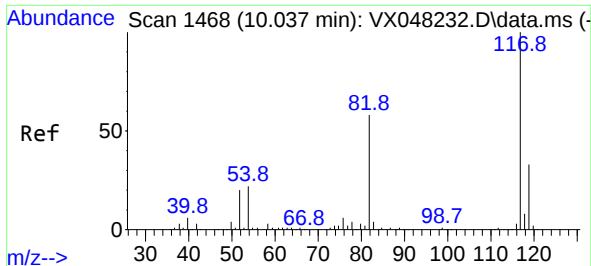
Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 34.6 29.5 44.3



#62
4-Bromofluorobenzene
Concen: 42.462 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 95 Resp: 45271
Ion Ratio Lower Upper
95 100
174 75.7 0.0 147.8
176 76.2 0.0 142.8

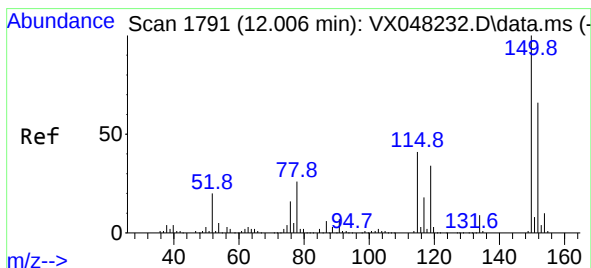
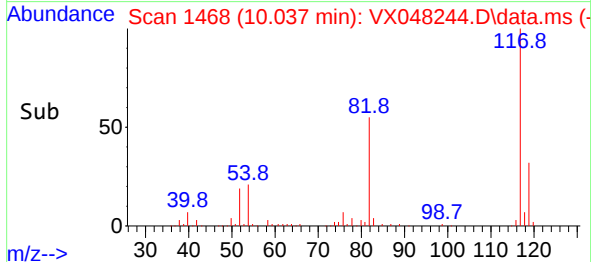
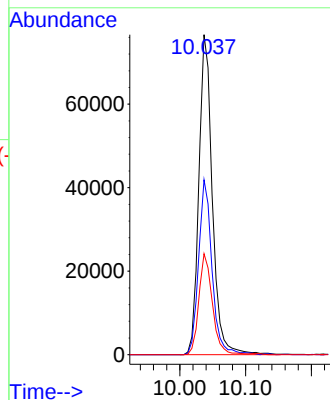
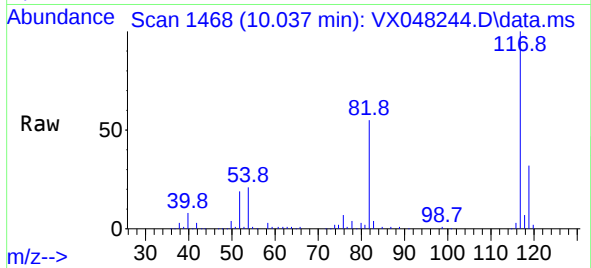




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

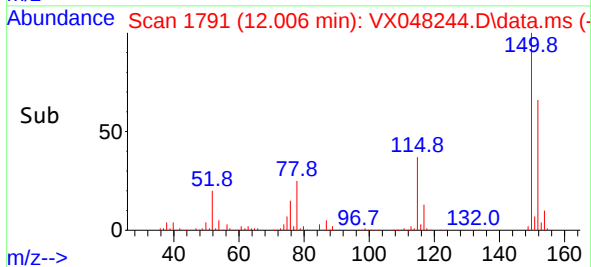
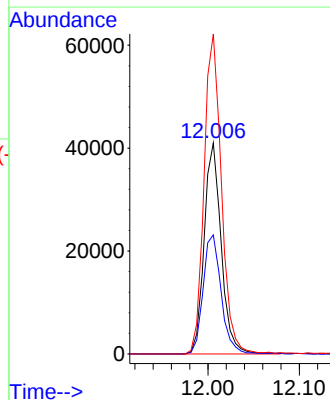
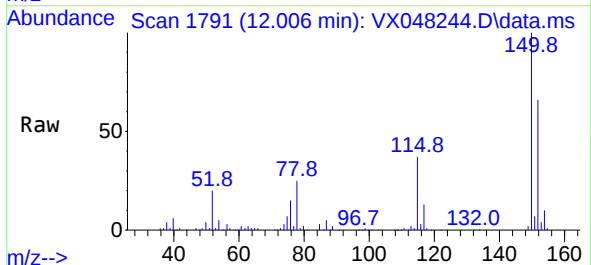
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

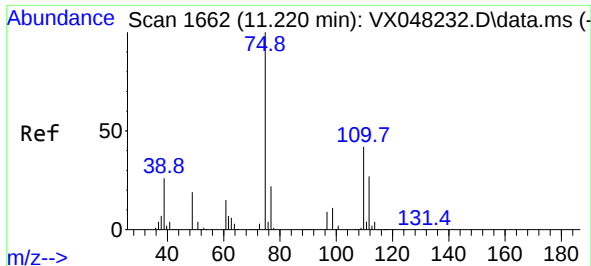
Tgt Ion:117 Resp: 109383
Ion Ratio Lower Upper
117 100
82 54.7 46.5 69.7
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion:152 Resp: 53163
Ion Ratio Lower Upper
152 100
115 60.0 43.1 129.4
150 155.2 0.0 353.0

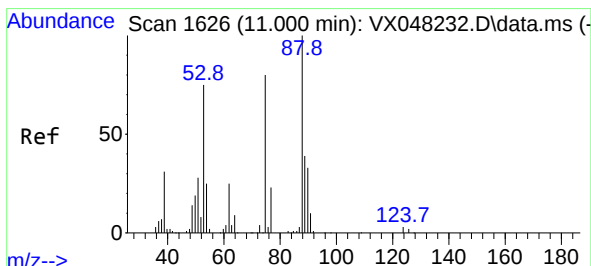
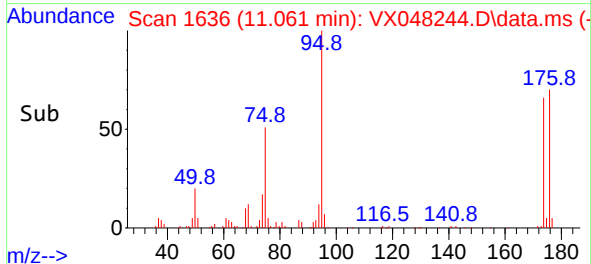
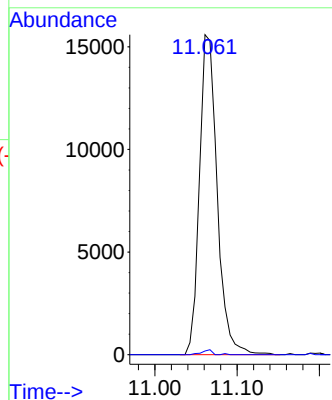
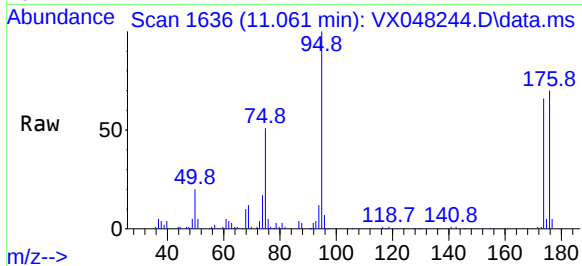




#76
1,2,3-Trichloropropane
Concen: 27.120 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

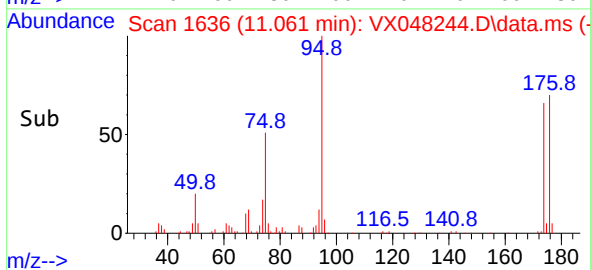
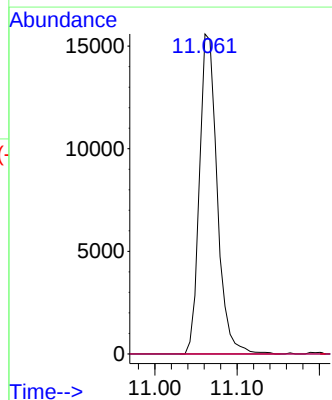
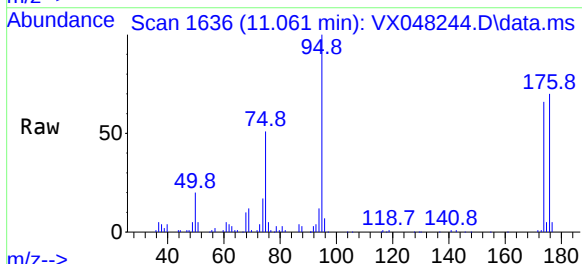
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

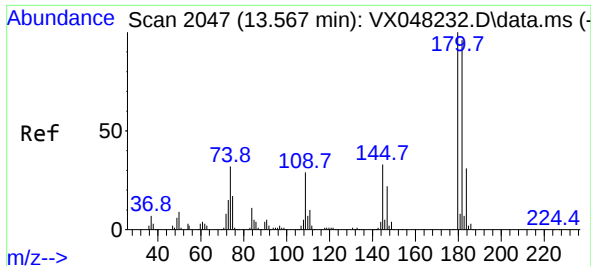
Tgt Ion: 75 Resp: 23381
Ion Ratio Lower Upper
75 100
77 0.8 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.981 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion: 75 Resp: 23381
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

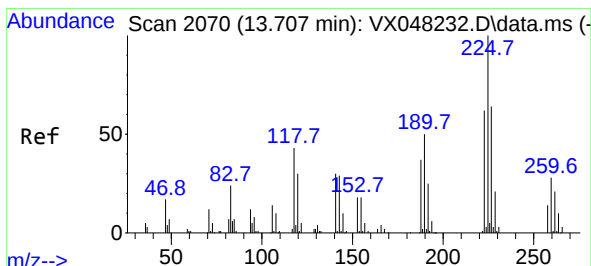
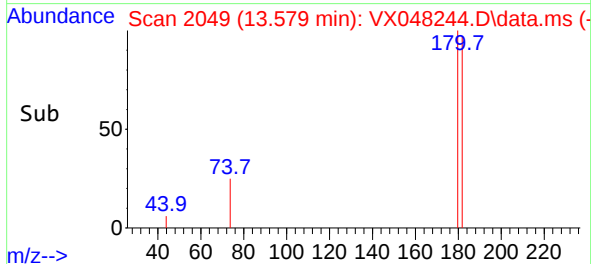
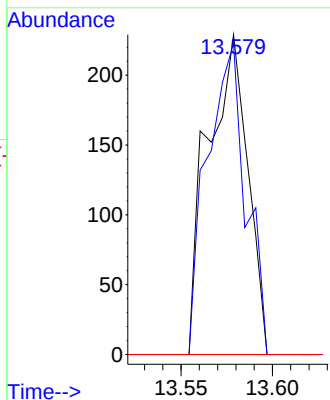
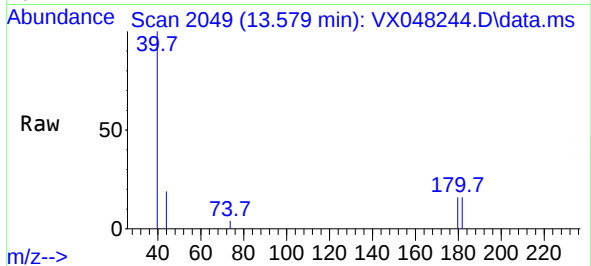




#93
1,2,4-Trichlorobenzene
Concen: 0.298 ug/l
RT: 13.579 min Scan# 2049
Delta R.T. 0.012 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

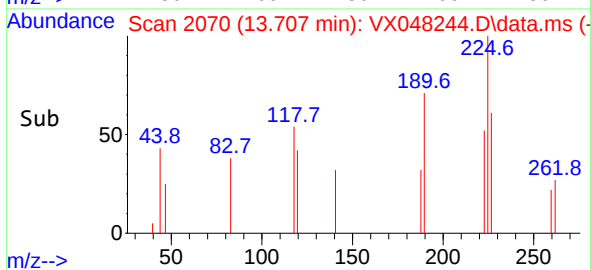
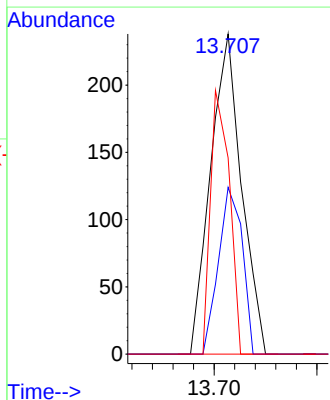
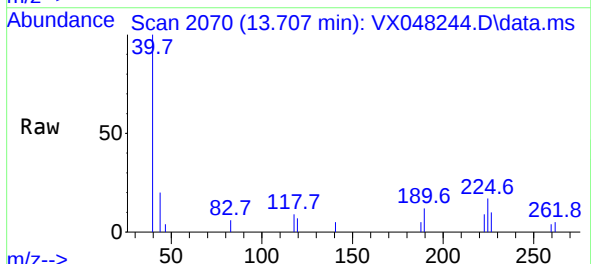
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251016

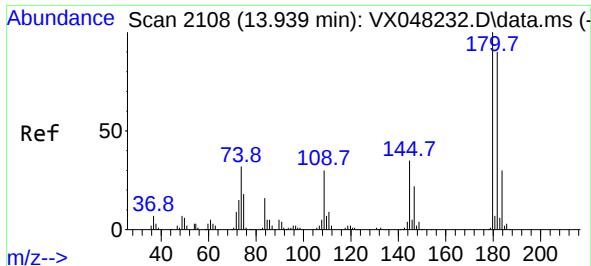
Tgt Ion:180 Resp: 347
Ion Ratio Lower Upper
180 100
182 93.9 47.3 142.0
145 0.0 16.3 48.9#



#94
Hexachlorobutadiene
Concen: 0.636 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048244.D
Acq: 20 Oct 2025 17:20

Tgt Ion:225 Resp: 249
Ion Ratio Lower Upper
225 100
223 40.2 32.6 97.7
227 50.2 32.5 97.4





#96

1,2,3-Trichlorobenzene

Concen: 0.209 ug/l

RT: 13.951 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX048244.D

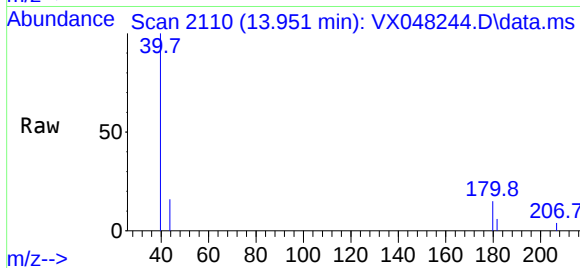
Acq: 20 Oct 2025 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20251016



Tgt Ion:180 Resp: 224

Ion Ratio Lower Upper

180 100

182 78.6 46.6 139.7

145 9.4 16.9 50.7#

