

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048089.D
 Acq On : 09 Oct 2025 16:03
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 10 01:26:54 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	5.544	168	121541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	257289	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	276291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143060	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122618	63.381	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	126.760%#
35) Dibromofluoromethane	5.373	113	96561	55.960	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.920%
50) Toluene-d8	8.634	98	326048	54.609	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.220%
62) 4-Bromofluorobenzene	11.061	95	145788	64.338	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	128.680%#

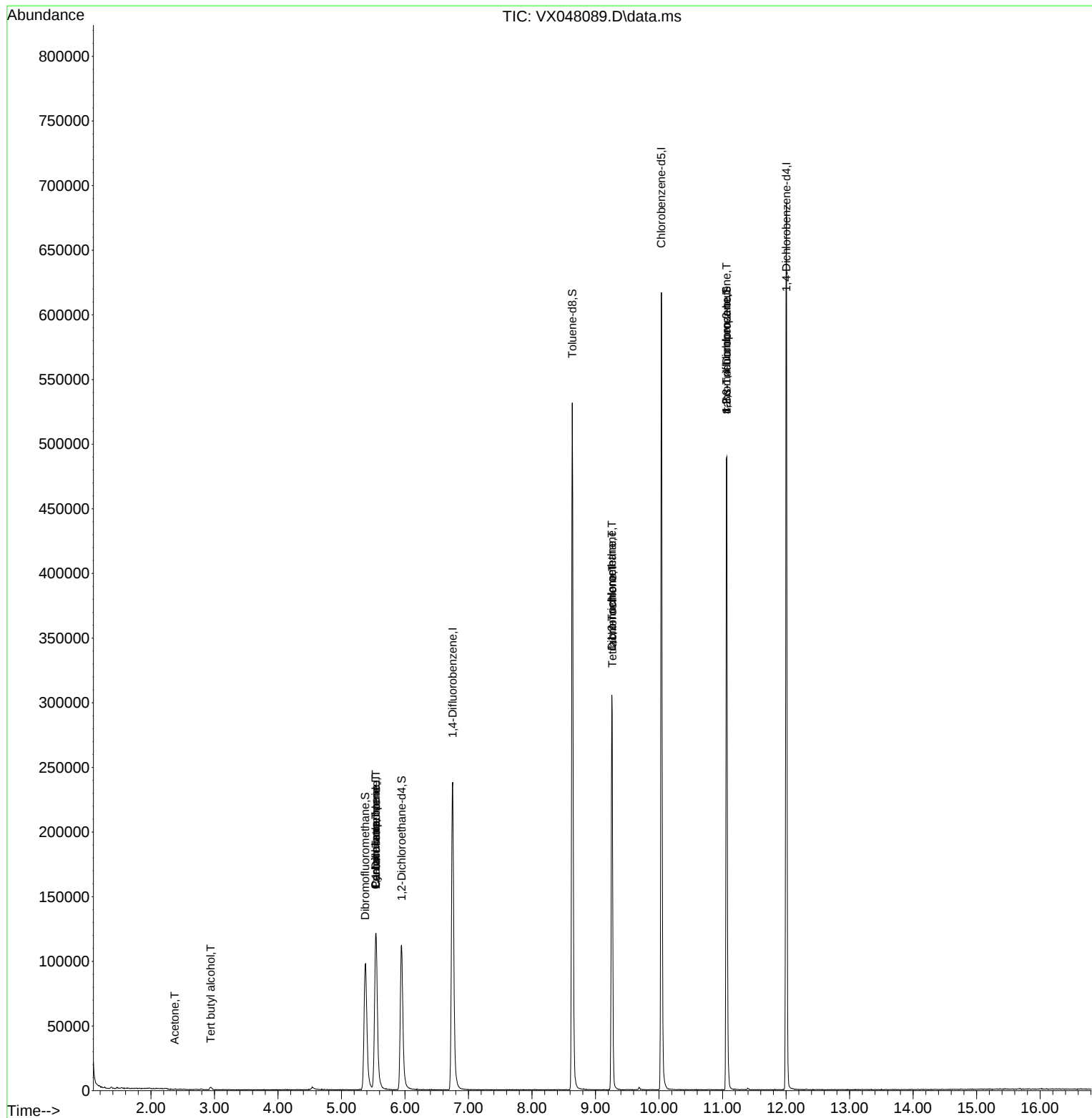
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	1079	5.008	ug/l #	72
16) Acetone	2.373	43	342	0.407	ug/l #	45
31) Cyclohexane	5.537	56	2979	1.165	ug/l #	11
36) 1,1-Dichloropropene	5.537	75	10917	4.330	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13561	4.950	ug/l #	17
55) 1,1,2-Trichloroethane	9.256	97	609	0.335	ug/l #	1
60) Dibromochloromethane	9.256	129	59618	28.440	ug/l #	11
64) Tetrachloroethene	9.262	164	61009	33.873	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	76496	26.410	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	76496	67.348	ug/l #	8

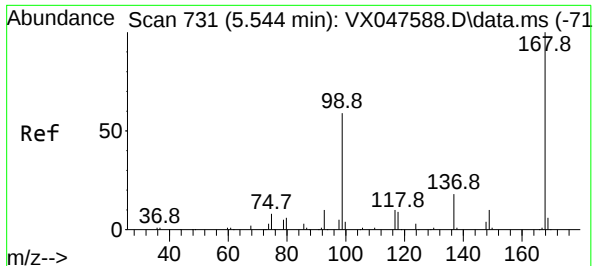
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
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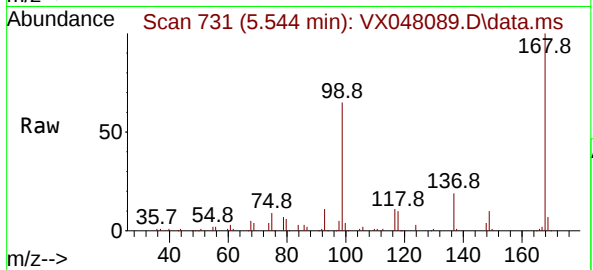
Quant Time: Oct 10 01:26:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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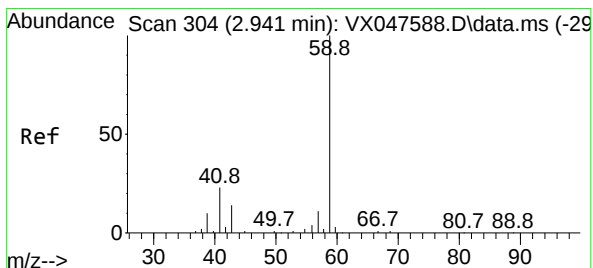
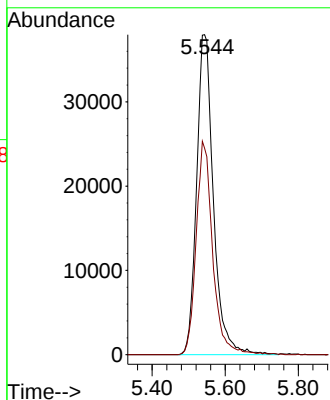
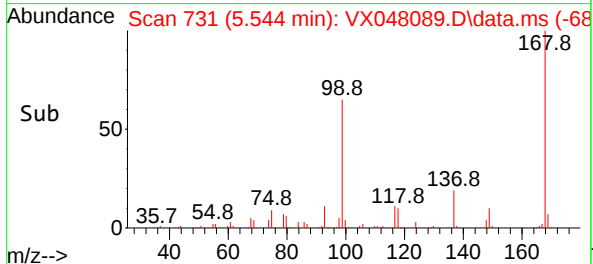


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
IBLK

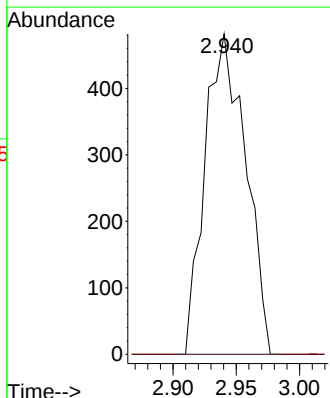
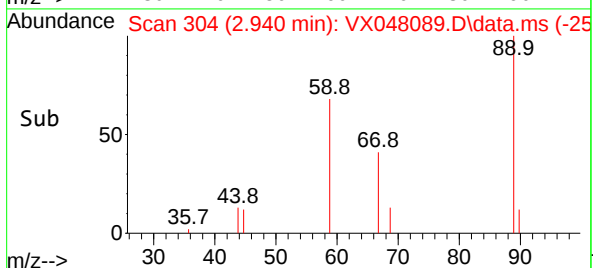
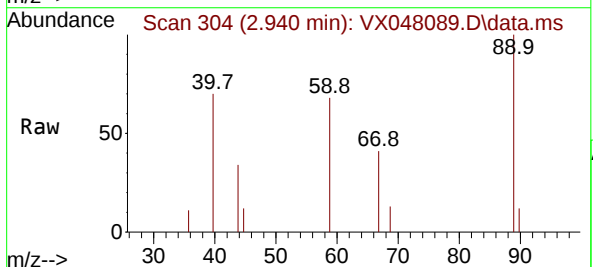


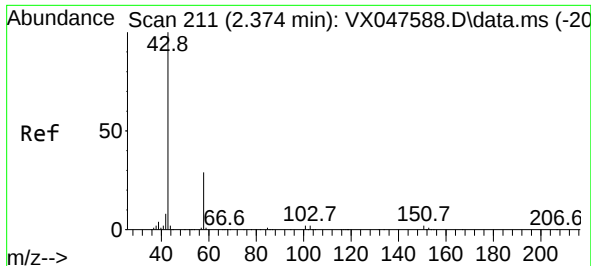
Tgt Ion:168 Resp: 121541
Ion Ratio Lower Upper
168 100
99 64.5 48.8 73.2



#11
Tert butyl alcohol
Concen: 5.008 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Tgt Ion: 59 Resp: 1079
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

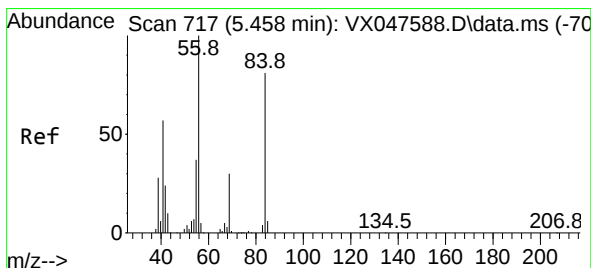
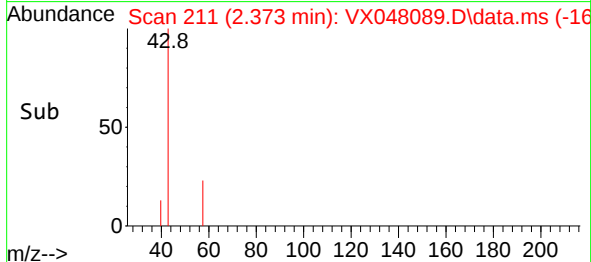
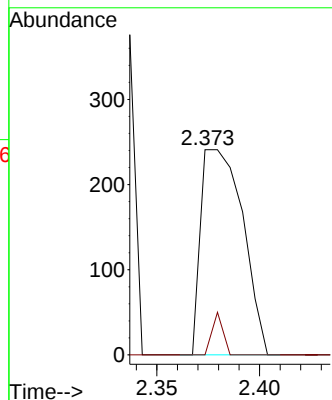
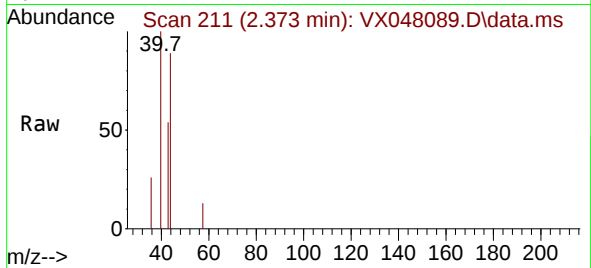




#16
Acetone
Concen: 0.407 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

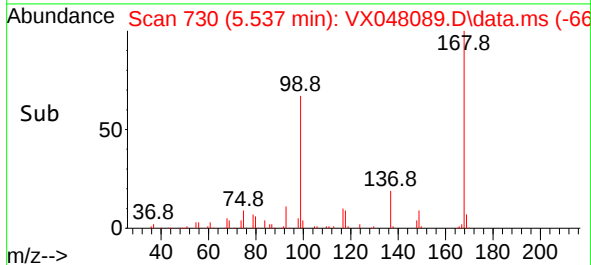
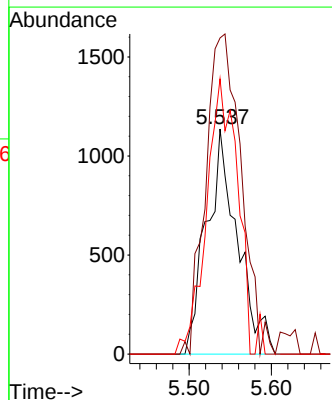
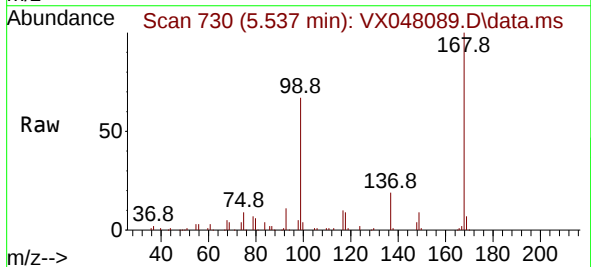
Instrument :
MSVOA_X
ClientSampleId :
IBLK

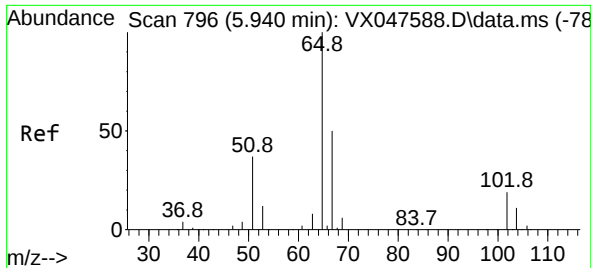
Tgt Ion: 43 Resp: 342
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Tgt Ion: 56 Resp: 2979
Ion Ratio Lower Upper
56 100
69 140.5 23.8 35.8#
84 122.4 64.6 97.0#

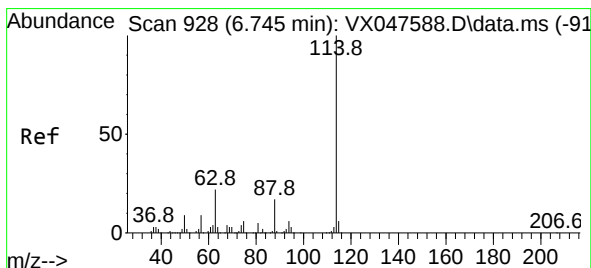
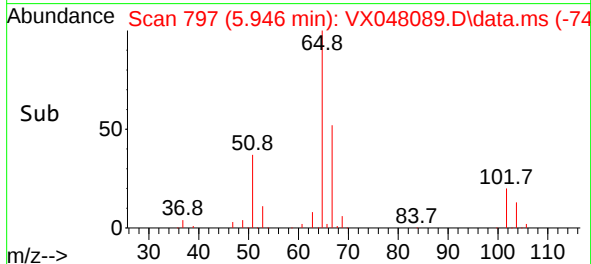
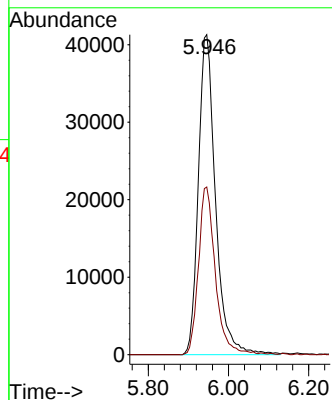
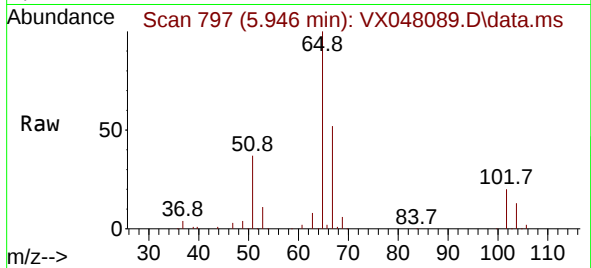




#33
 1,2-Dichloroethane-d4
 Concen: 63.381 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048089.D
 Acq: 09 Oct 2025 16:03

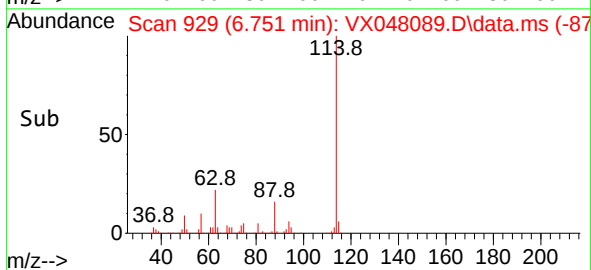
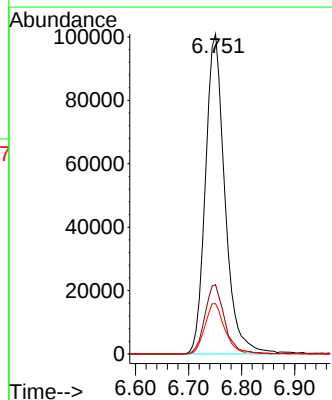
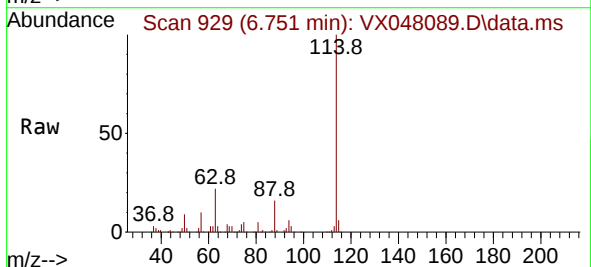
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

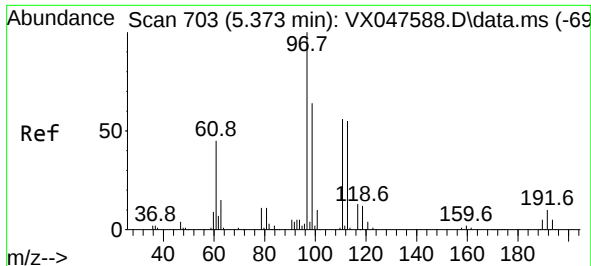
Tgt Ion: 65 Resp: 122618
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048089.D
 Acq: 09 Oct 2025 16:03

Tgt Ion: 114 Resp: 257289
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.0
 88 15.7 0.0 34.2

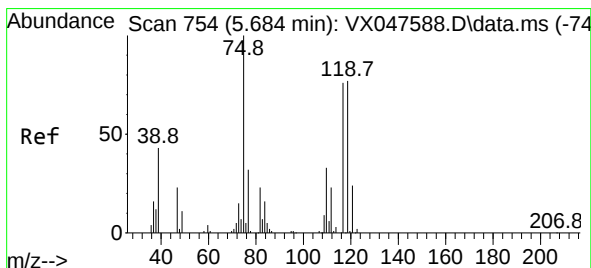
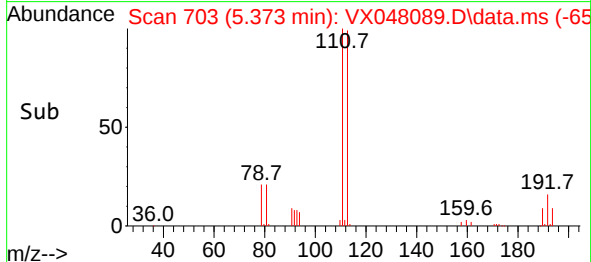
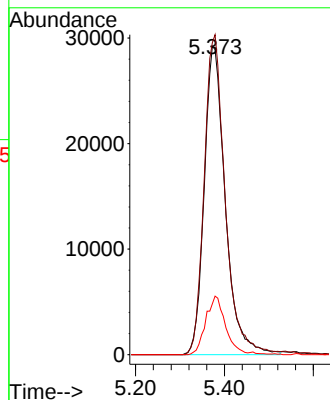
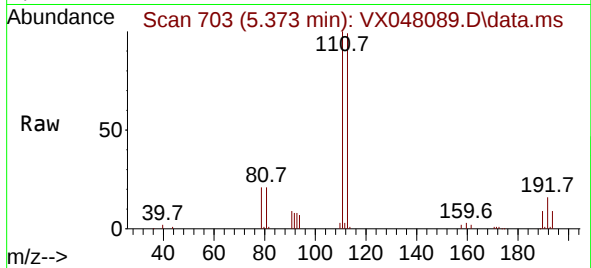




#35
Dibromofluoromethane
Concen: 55.960 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

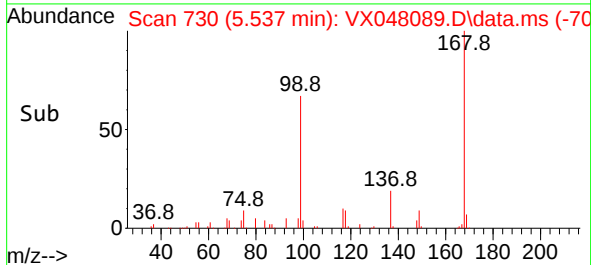
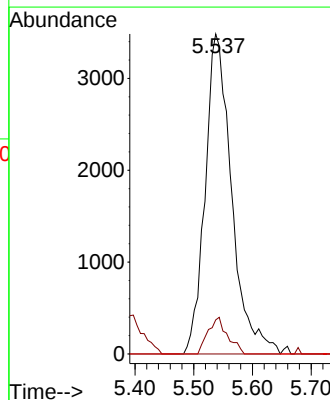
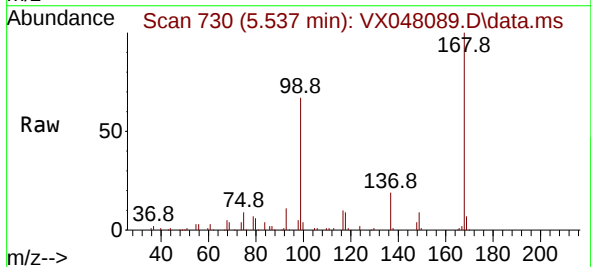
Instrument :
MSVOA_X
ClientSampleId :
IBLK

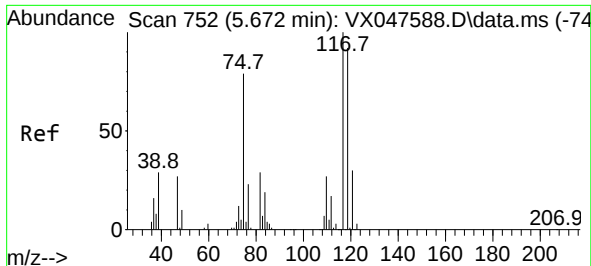
Tgt Ion:113 Resp: 96561
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

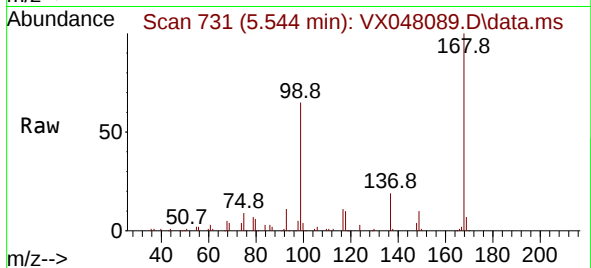
Tgt Ion: 75 Resp: 10917
Ion Ratio Lower Upper
75 100
110 8.4 16.7 50.1#
77 0.0 24.3 36.5#



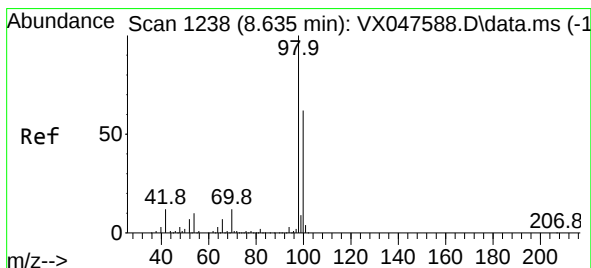
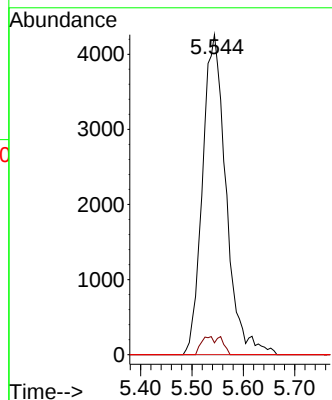
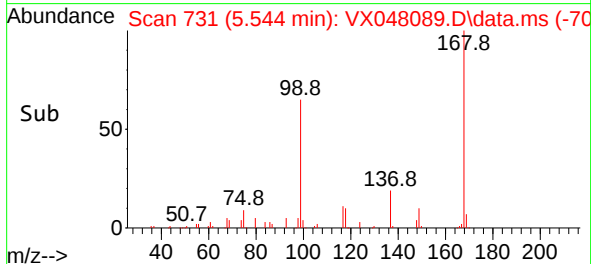


#38
Carbon Tetrachloride
Concen: 4.950 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

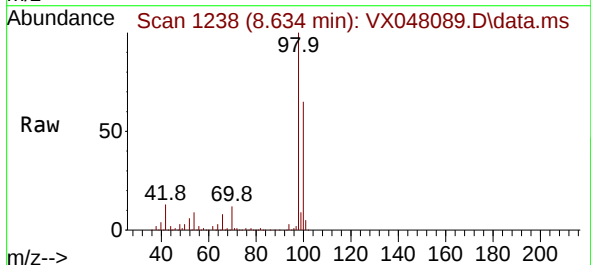
Instrument :
MSVOA_X
ClientSampleId :
IBLK



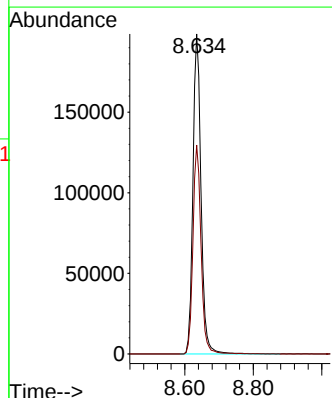
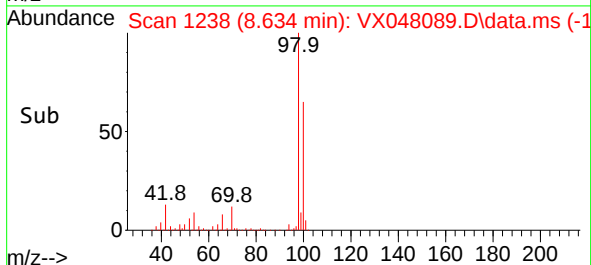
Tgt Ion:117 Resp: 13561
Ion Ratio Lower Upper
117 100
119 3.7 73.4 110.2#
121 0.0 23.8 35.6#

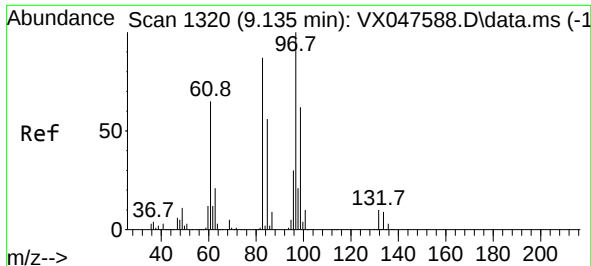


#50
Toluene-d8
Concen: 54.609 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03



Tgt Ion: 98 Resp: 326048
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

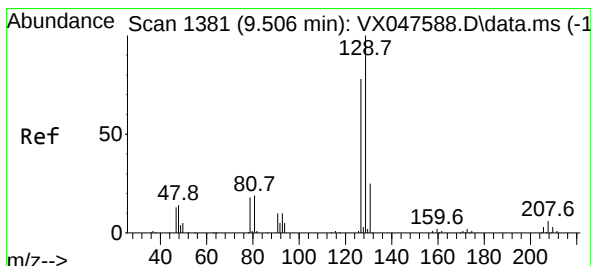
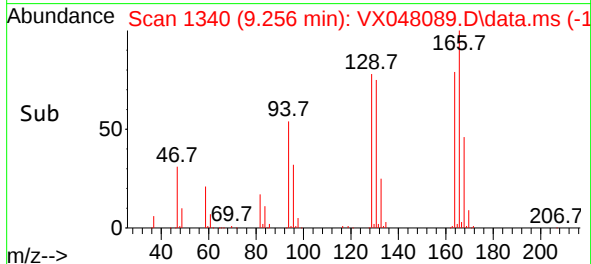
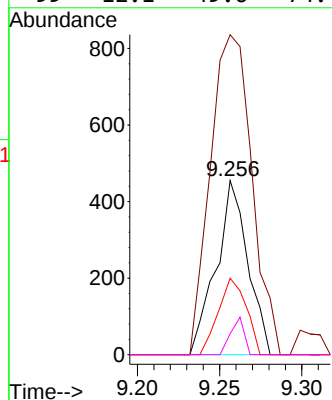
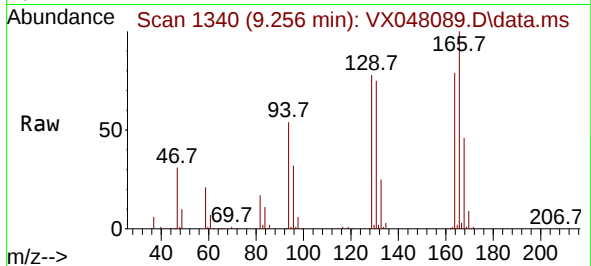




#55
1,1,2-Trichloroethane
Concen: 0.335 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

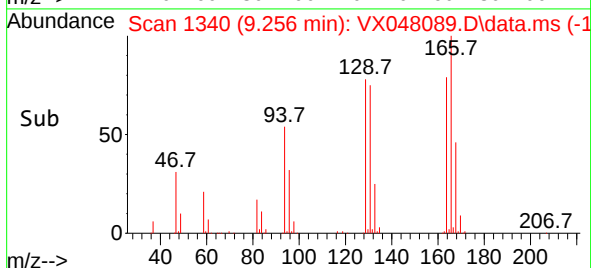
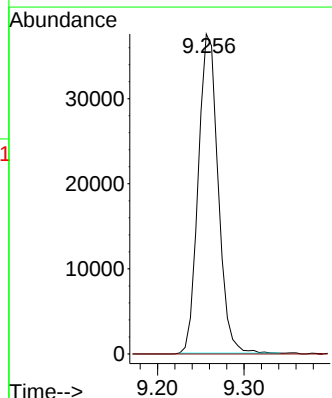
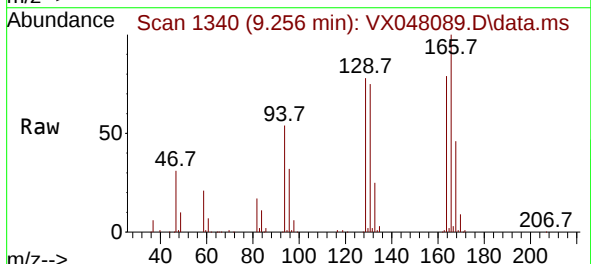
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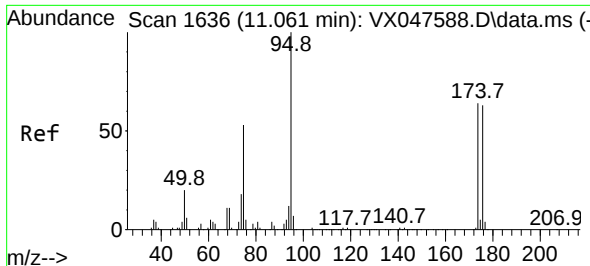
Tgt Ion: 97	Resp: 609
Ion Ratio	Lower Upper
97 100	
83 183.7	69.6 104.4#
85 236.7	45.0 67.6#
99 12.1	49.6 74.4#



#60
Dibromochloromethane
Concen: 28.440 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Tgt Ion:129	Resp:	59618	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

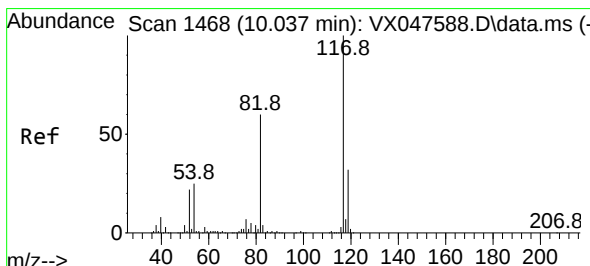
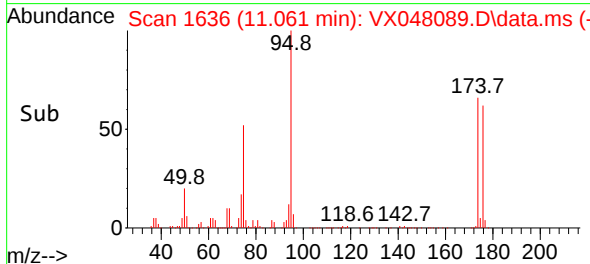
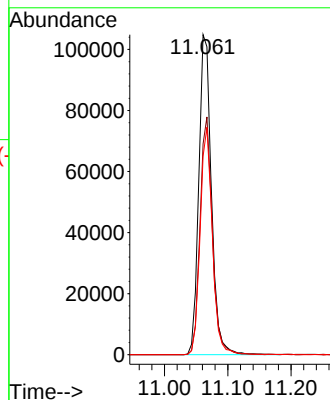
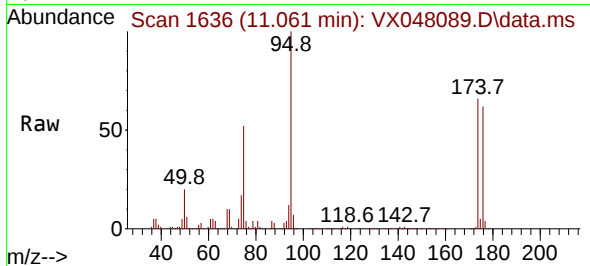




#62
4-Bromofluorobenzene
Concen: 64.338 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

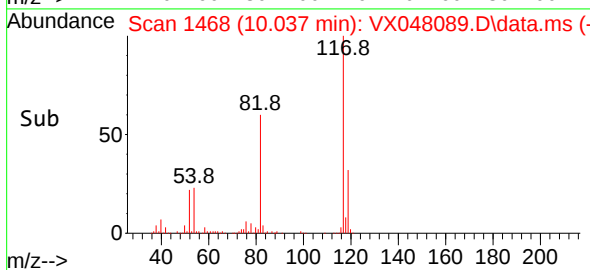
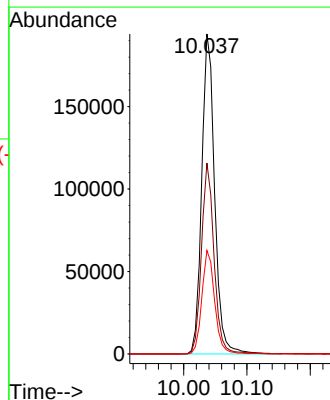
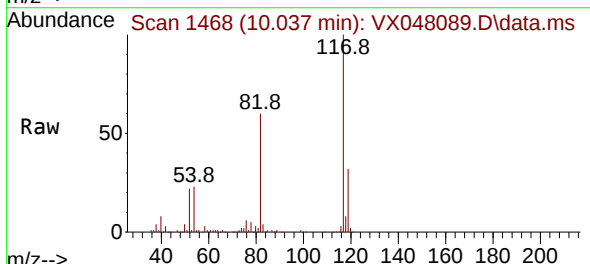
Instrument :
MSVOA_X
ClientSampleId :
IBLK

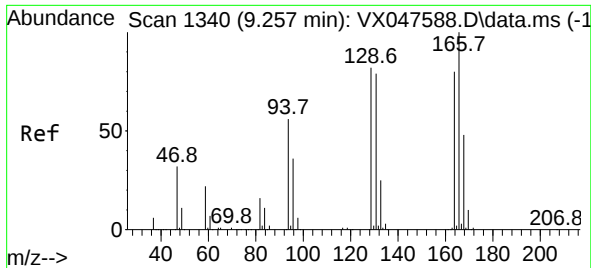
Tgt Ion: 95 Resp: 145788
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 68.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Tgt Ion: 117 Resp: 276291
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.6
119 32.4 25.2 37.8

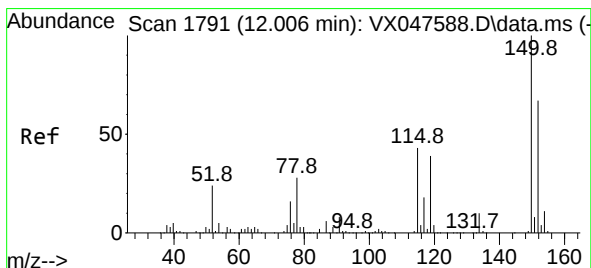
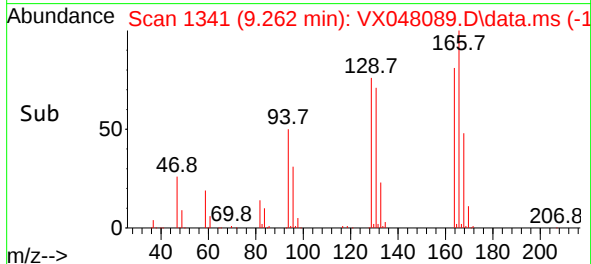
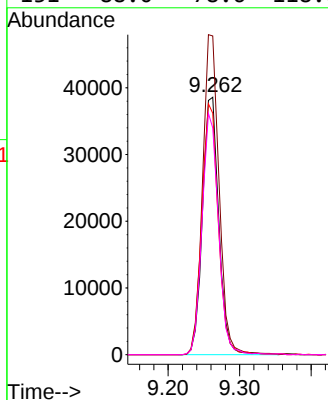
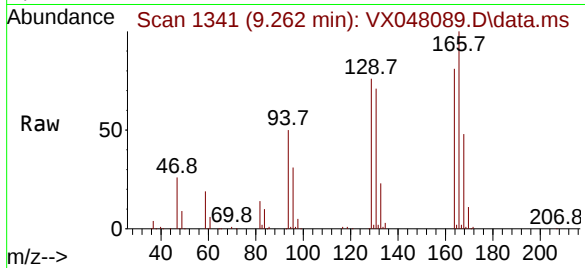




#64
Tetrachloroethene
Concen: 33.873 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

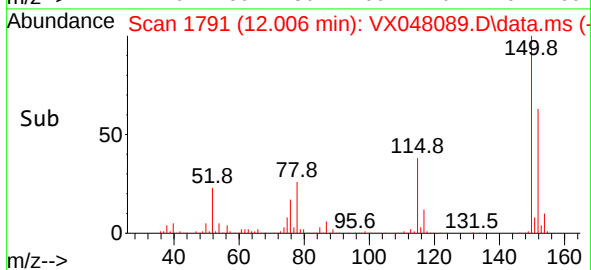
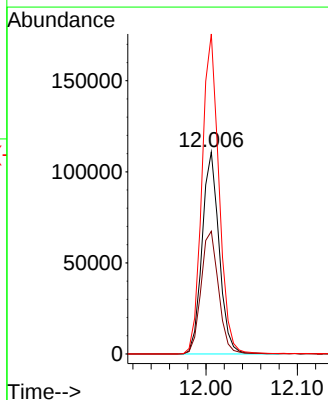
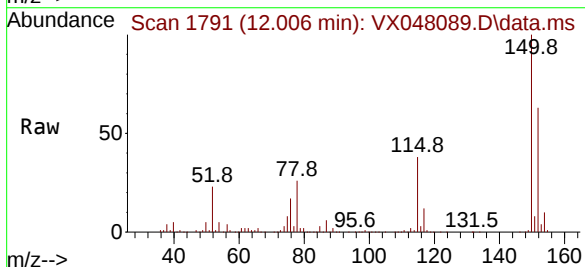
Instrument :
MSVOA_X
ClientSampleId :
IBLK

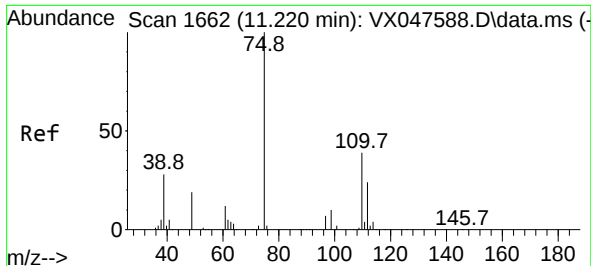
Tgt Ion:164 Resp: 61009
Ion Ratio Lower Upper
164 100
166 123.8 100.2 150.2
129 93.8 81.8 122.6
131 88.0 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Tgt Ion:152 Resp: 143060
Ion Ratio Lower Upper
152 100
115 62.6 44.9 134.5
150 158.9 0.0 352.0

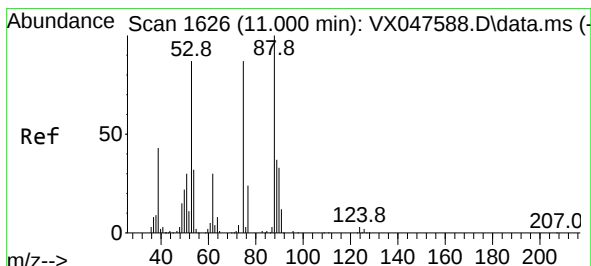
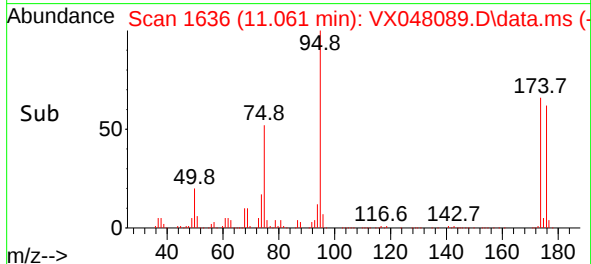
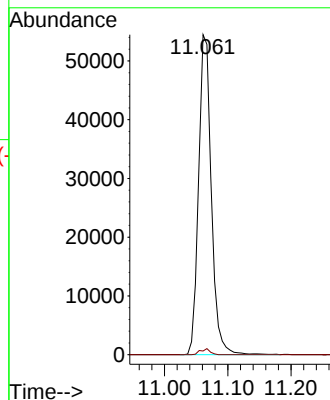
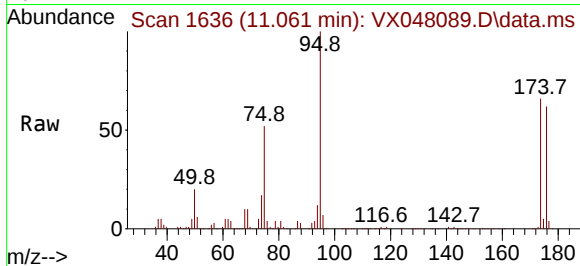




#76
1,2,3-Trichloropropane
Concen: 26.410 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 76496
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.348 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048089.D
Acq: 09 Oct 2025 16:03

Tgt Ion: 75 Resp: 76496
Ion Ratio Lower Upper
75 100
53 0.1 83.4 125.2#
89 0.0 36.3 54.5#

