

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048030.D
 Acq On : 06 Oct 2025 17:15
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 07 02:19:43 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	115305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	239666	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	256969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134267	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111627	60.820	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	121.640%#
35) Dibromofluoromethane	5.373	113	89864	55.909	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.820%
50) Toluene-d8	8.635	98	299398	53.832	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	107.660%
62) 4-Bromofluorobenzene	11.067	95	131107	62.114	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	124.220%#

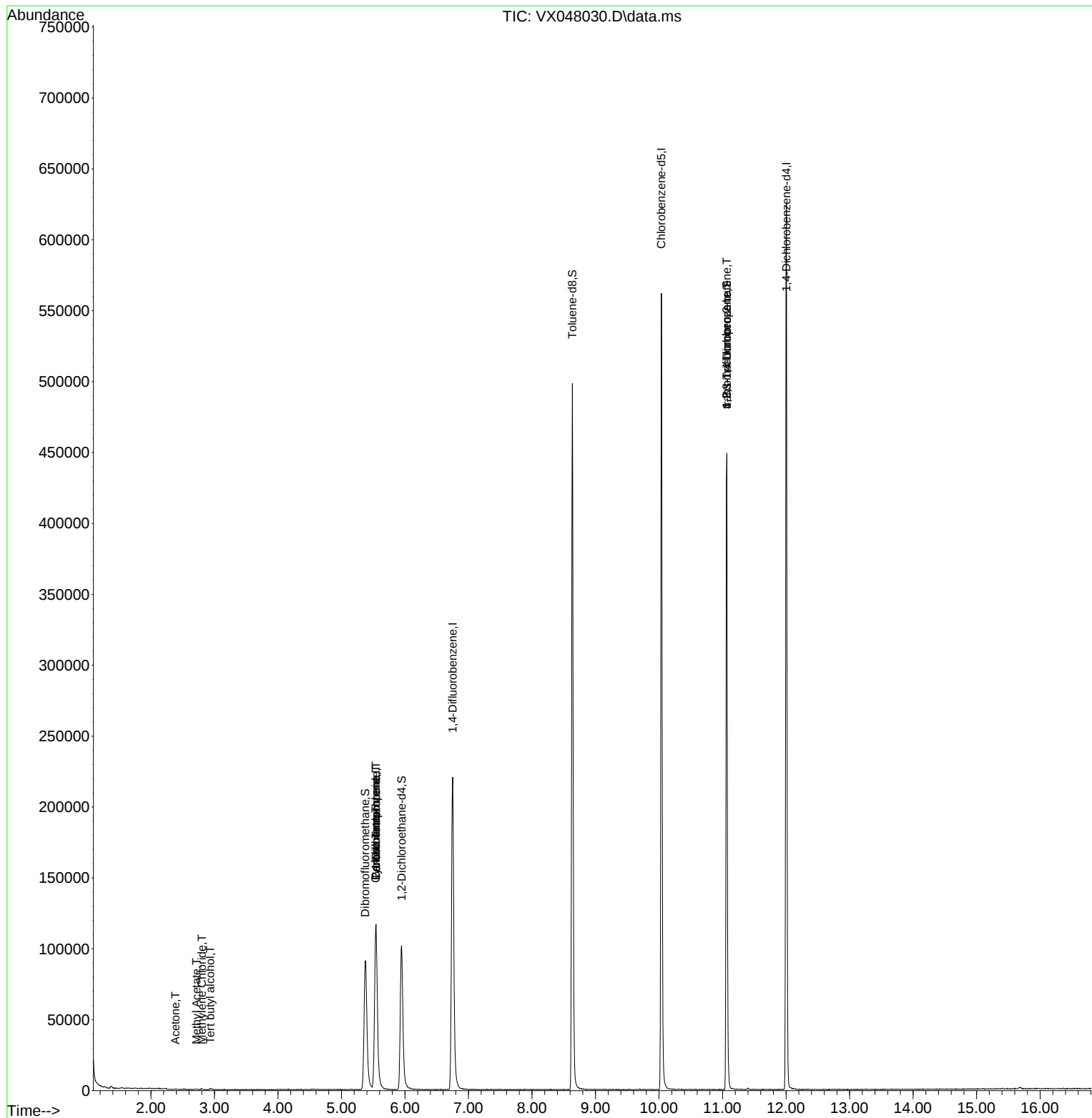
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.934	59	91	0.445	ug/l #	72
16) Acetone	2.386	43	448	0.561	ug/l #	64
18) Methyl Acetate	2.715	43	451	0.254	ug/l #	54
20) Methylene Chloride	2.800	84	357	0.211	ug/l #	51
31) Cyclohexane	5.538	56	2658	1.096	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	9941	4.233	ug/l #	52
38) Carbon Tetrachloride	5.544	117	12096	4.740	ug/l #	19
76) 1,2,3-Trichloropropane	11.067	75	67831	24.952	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	67831	63.630	ug/l #	8

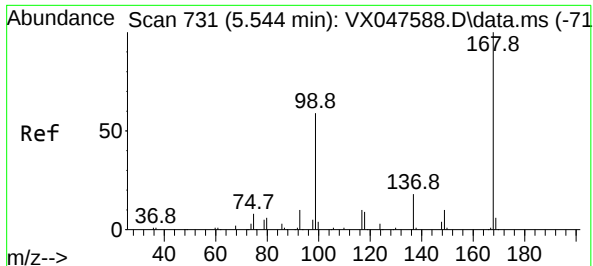
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IBLK

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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

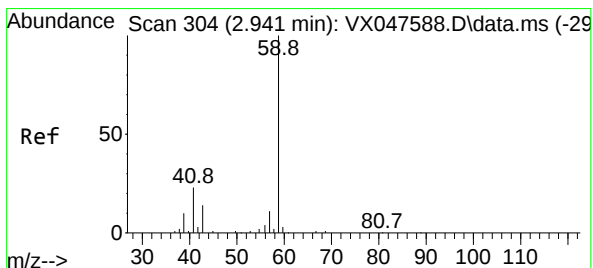
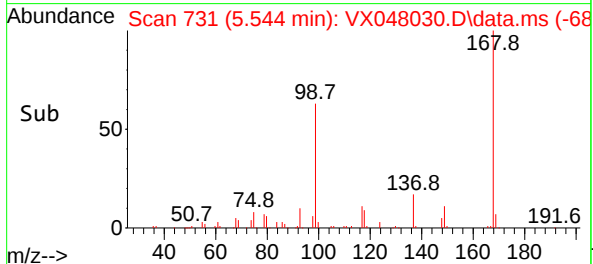
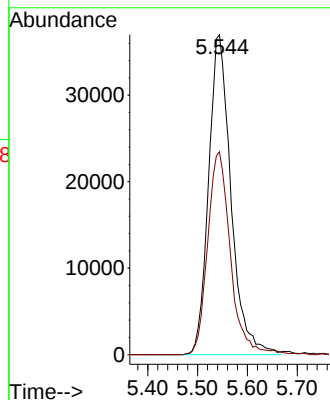
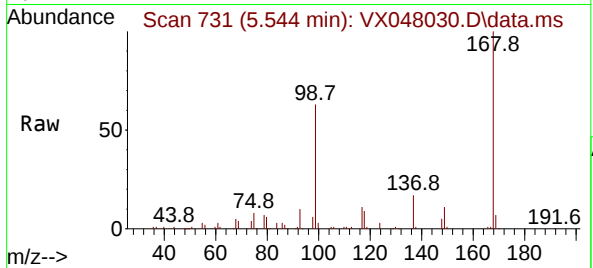




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

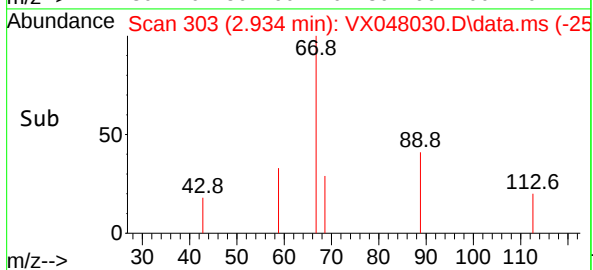
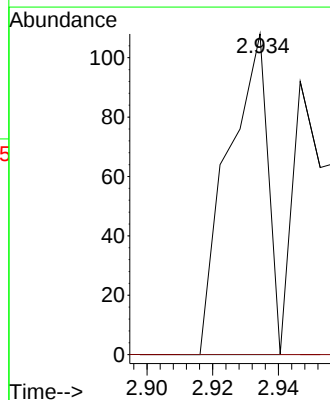
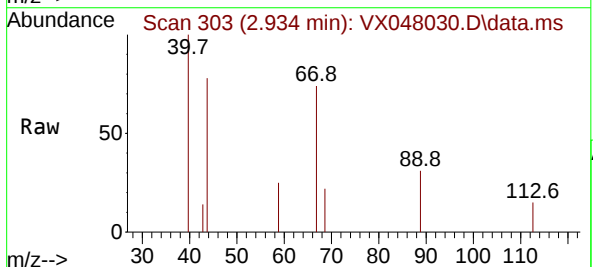
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 115305
Ion Ratio Lower Upper
168 100
99 63.4 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.445 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

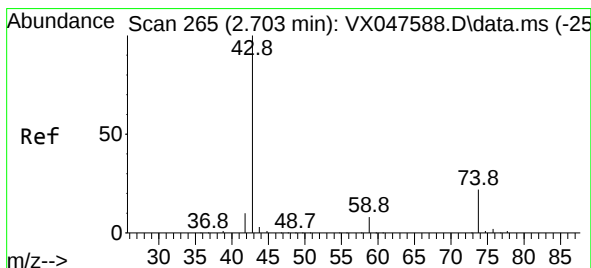
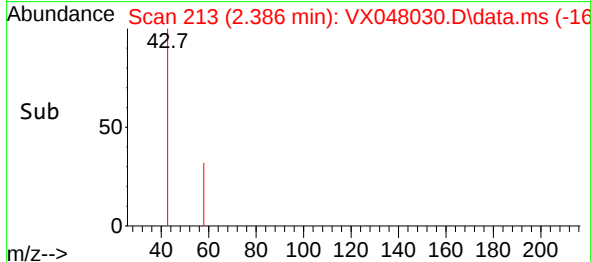
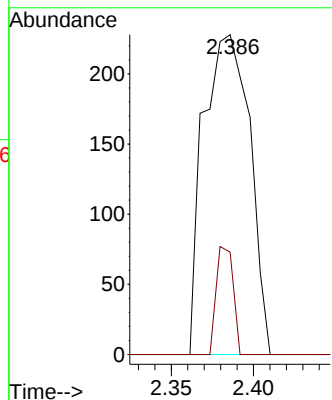
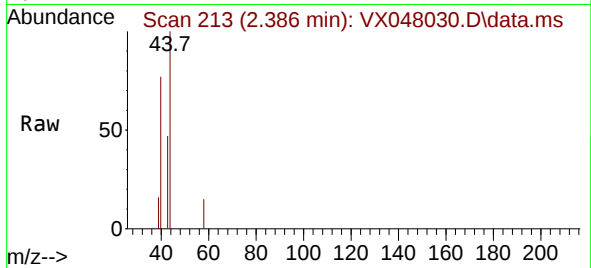




#16
Acetone
Concen: 0.561 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

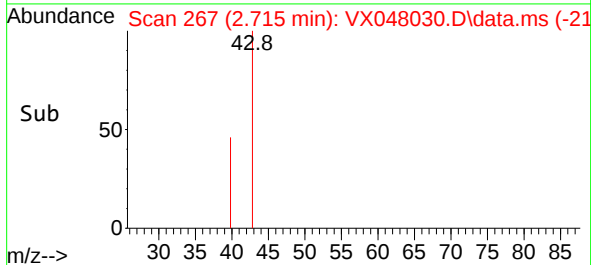
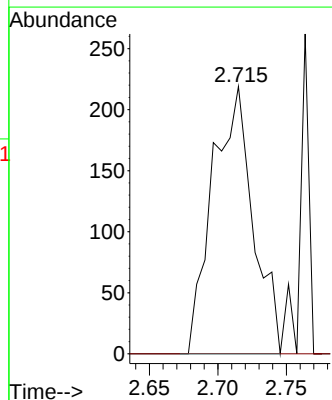
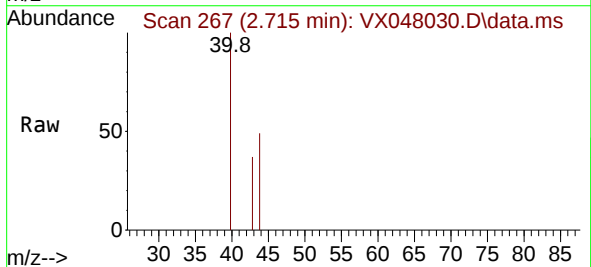
Instrument :
MSVOA_X
ClientSampleId :
IBLK

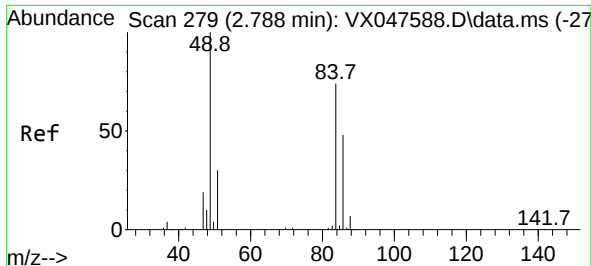
Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
58 10.2 23.4 35.0#



#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

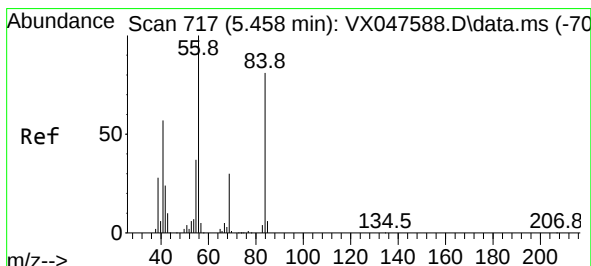
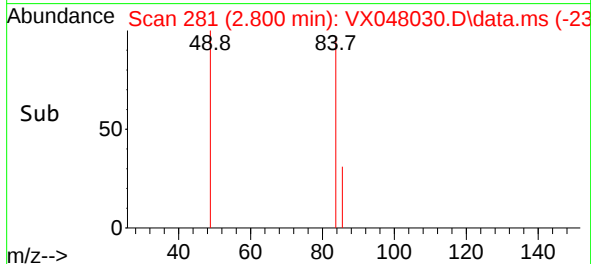
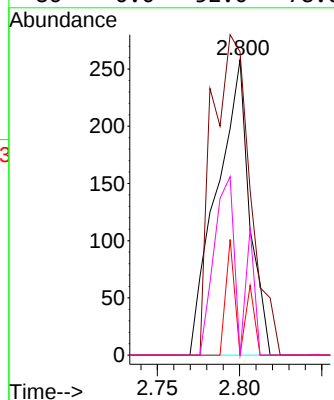
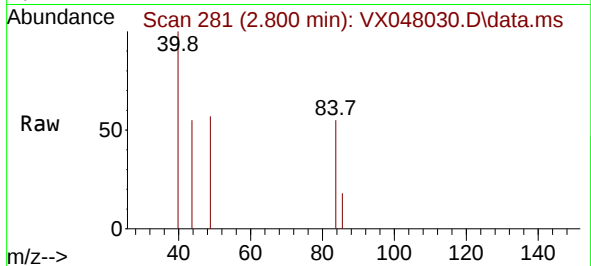




#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

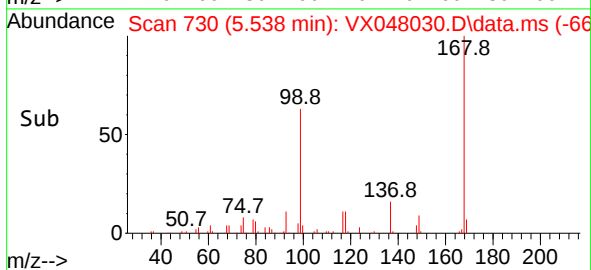
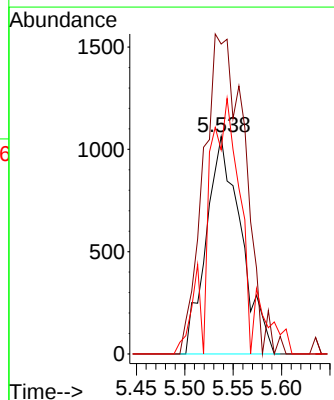
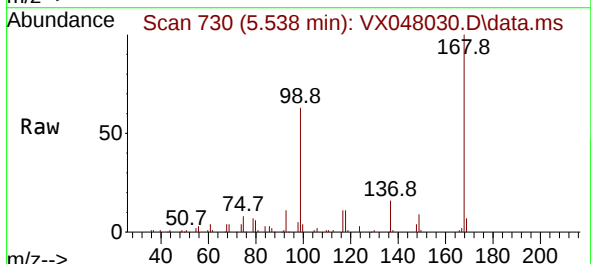
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 357
Ion Ratio Lower Upper
84 100
49 102.7 108.6 162.8#
51 0.0 32.6 48.8#
86 0.0 52.0 78.0#



#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

Tgt Ion: 56 Resp: 2658
Ion Ratio Lower Upper
56 100
69 142.5 23.8 35.8#
84 88.4 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 60.820 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048030.D

Acq: 06 Oct 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

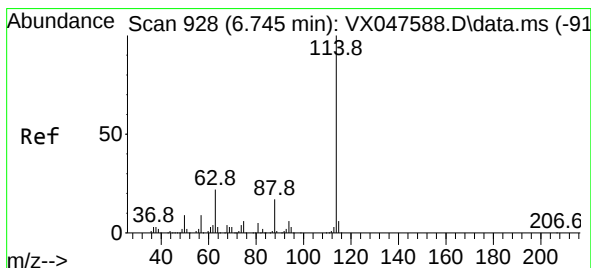
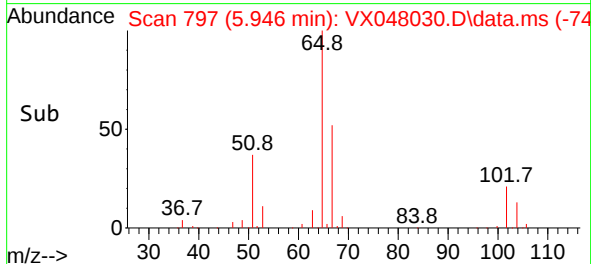
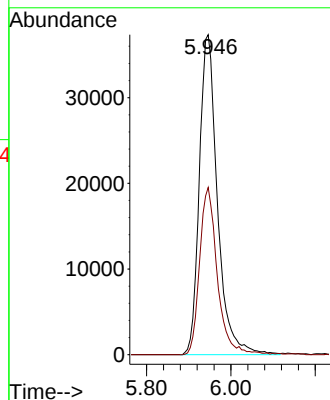
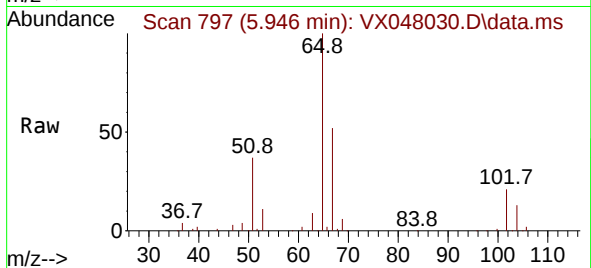
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Tgt Ion: 65 Resp: 111627

Ion Ratio Lower Upper

65 100

67 51.1 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: VX048030.D

Acq: 06 Oct 2025 17:15

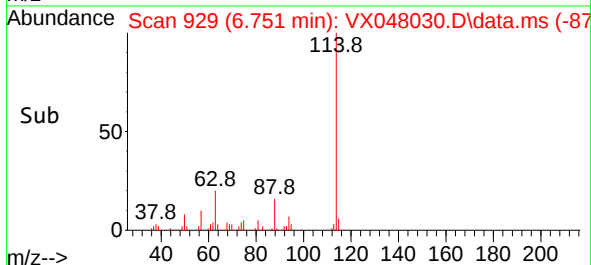
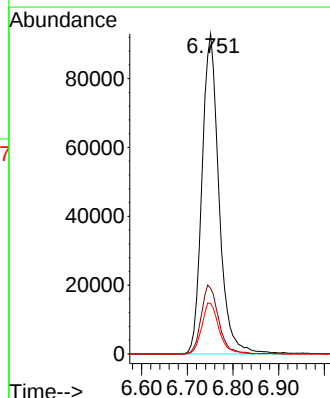
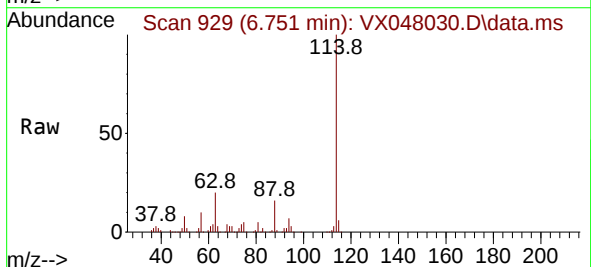
Tgt Ion: 114 Resp: 239666

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.0

88 15.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 55.909 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048030.D

Acq: 06 Oct 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

IBLK

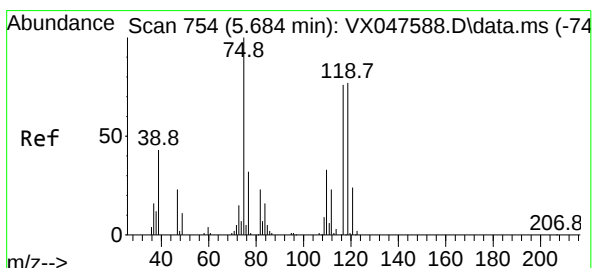
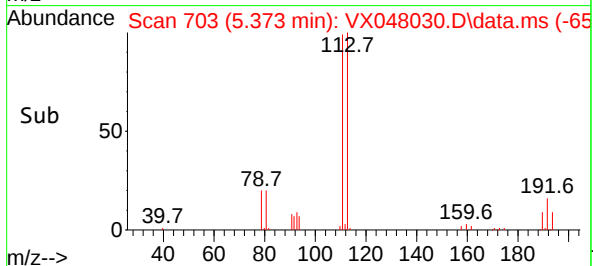
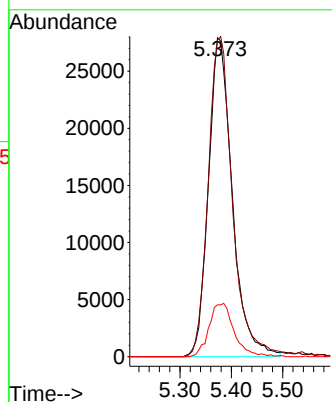
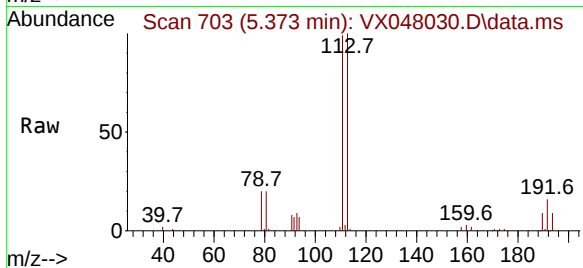
Tgt Ion:113 Resp: 89864

Ion Ratio Lower Upper

113 100

111 102.1 80.9 121.3

192 17.6 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.233 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX048030.D

Acq: 06 Oct 2025 17:15

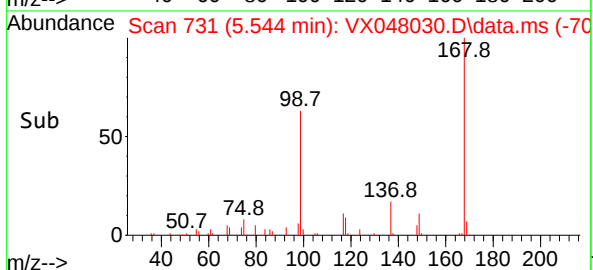
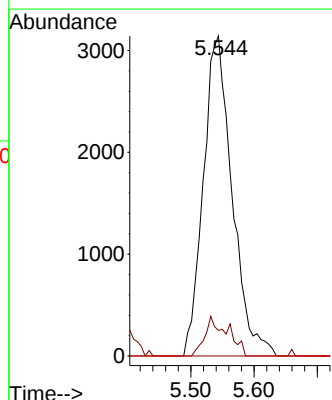
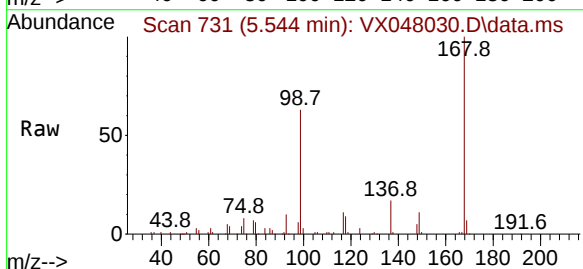
Tgt Ion: 75 Resp: 9941

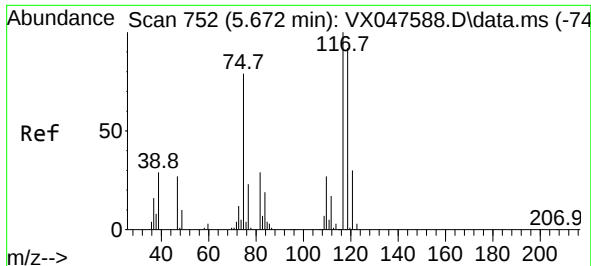
Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.1#

77 0.0 24.3 36.5#

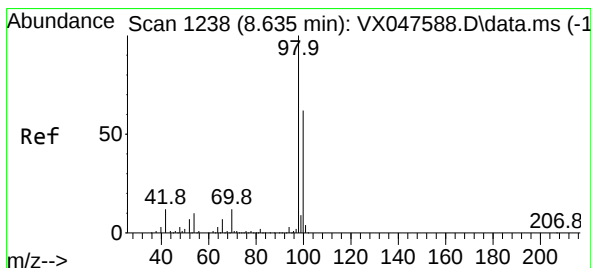
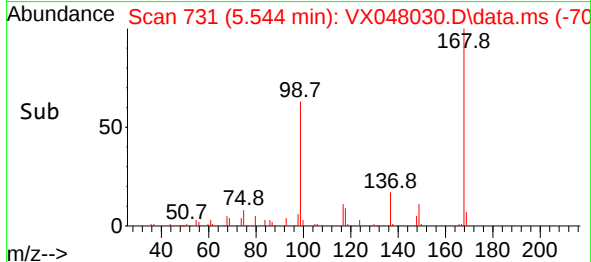
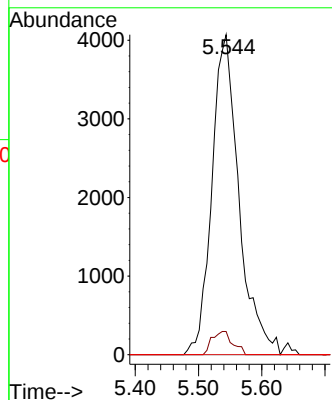
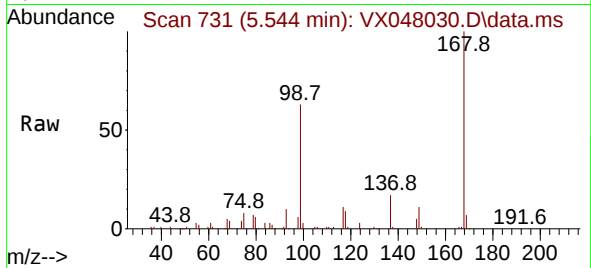




#38
Carbon Tetrachloride
Concen: 4.740 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

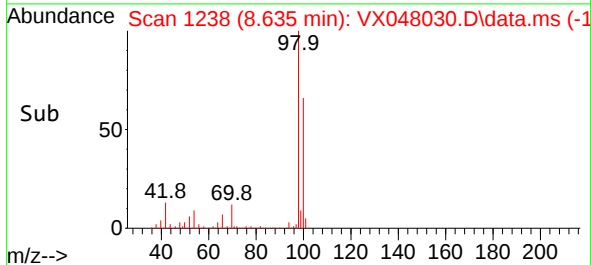
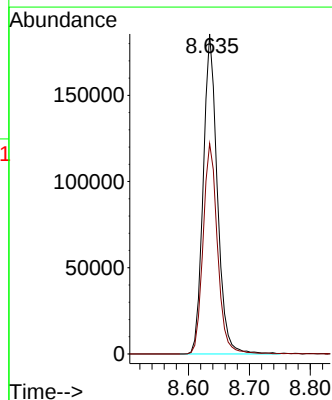
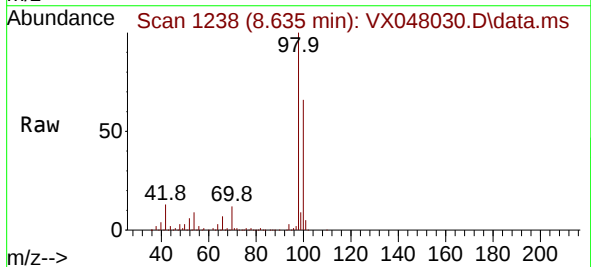
Instrument :
MSVOA_X
ClientSampleId :
IBLK

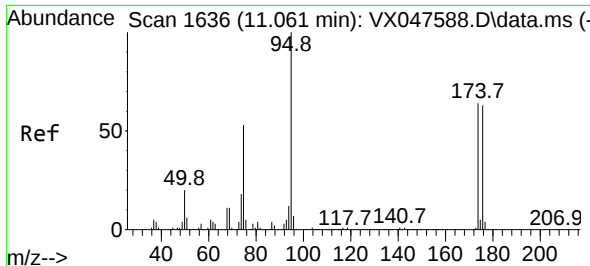
Tgt Ion:117 Resp: 12096
Ion Ratio Lower Upper
117 100
119 7.2 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 53.832 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

Tgt Ion: 98 Resp: 299398
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

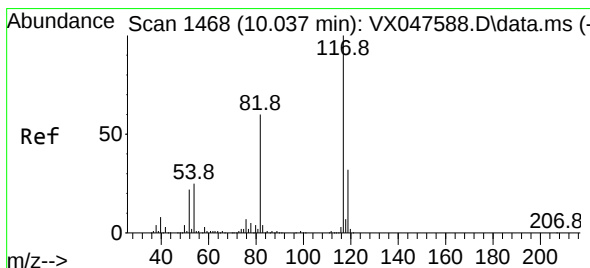
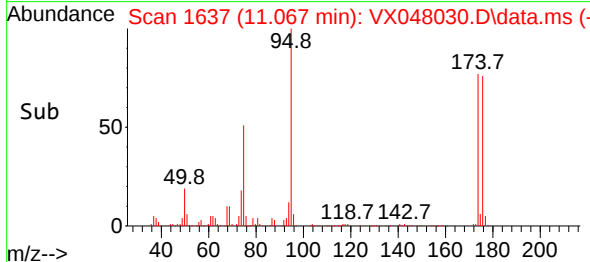
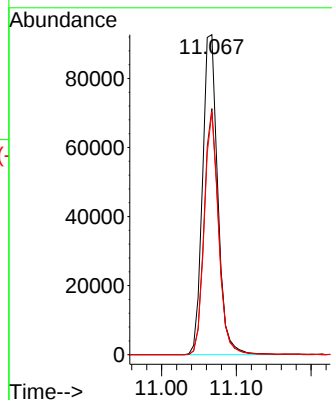
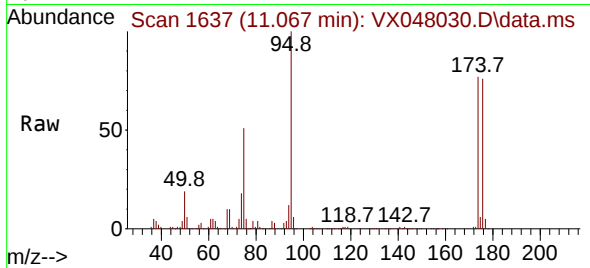




#62
4-Bromofluorobenzene
Concen: 62.114 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

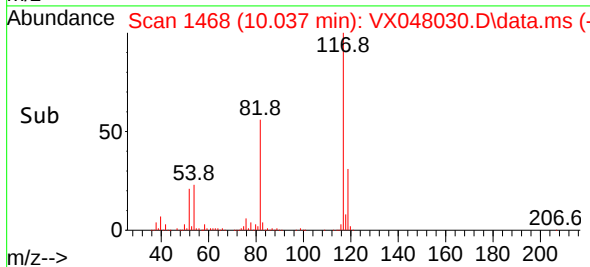
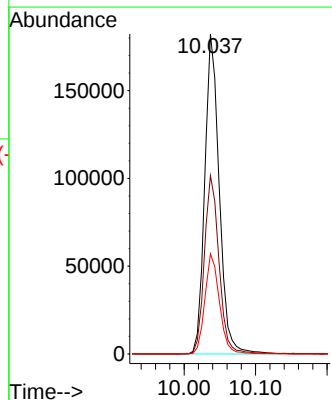
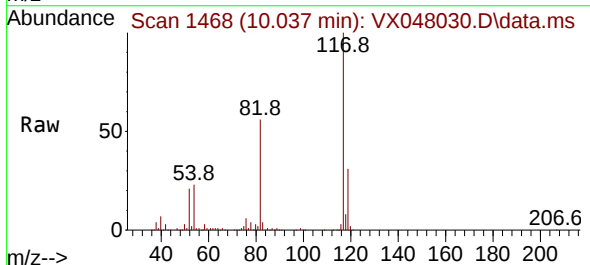
Instrument :
MSVOA_X
ClientSampleId :
IBLK

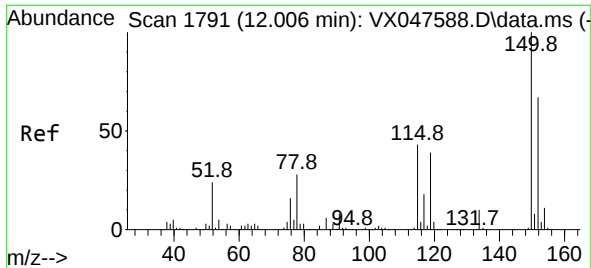
Tgt Ion: 95 Resp: 131107
Ion Ratio Lower Upper
95 100
174 73.3 0.0 141.6
176 71.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048030.D
Acq: 06 Oct 2025 17:15

Tgt Ion: 117 Resp: 256969
Ion Ratio Lower Upper
117 100
82 55.8 47.8 71.6
119 31.3 25.2 37.8

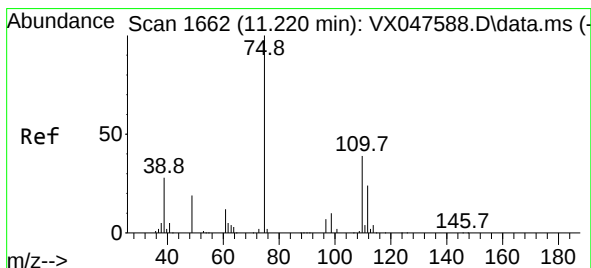
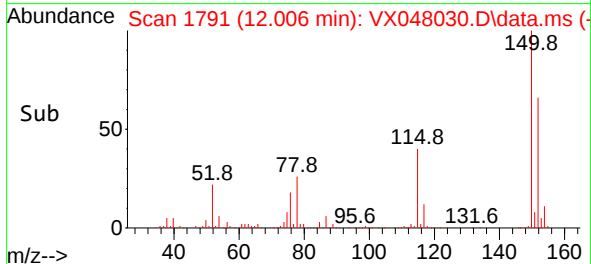
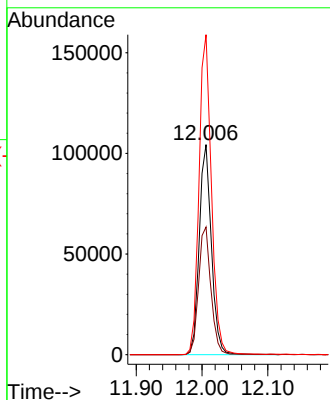
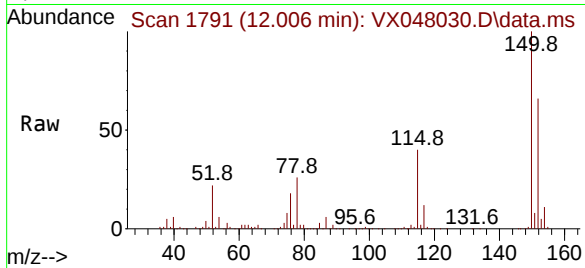




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048030.D
 Acq: 06 Oct 2025 17:15

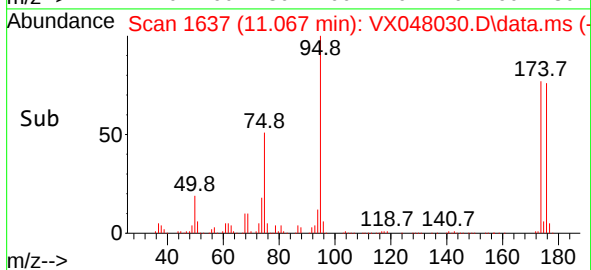
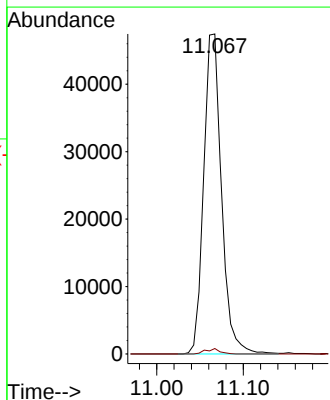
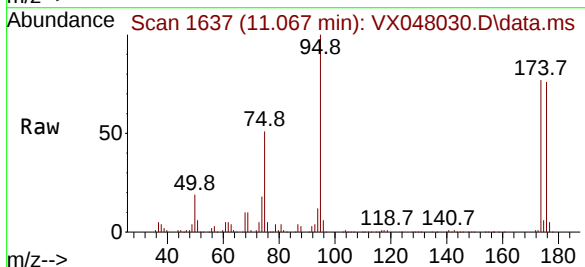
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

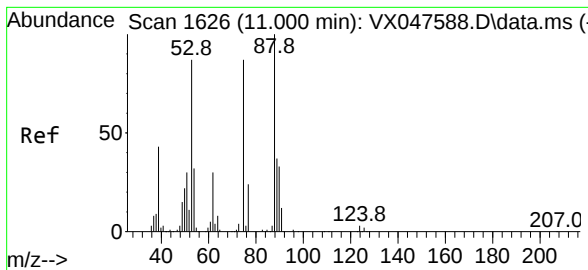
Tgt Ion:152 Resp: 134267
 Ion Ratio Lower Upper
 152 100
 115 62.0 44.9 134.5
 150 155.4 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.952 ug/l
 RT: 11.067 min Scan# 1637
 Delta R.T. -0.152 min
 Lab File: VX048030.D
 Acq: 06 Oct 2025 17:15

Tgt Ion: 75 Resp: 67831
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.630 ug/l
 RT: 11.067 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX048030.D
 Acq: 06 Oct 2025 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 67831
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.4 125.2#
 89 0.0 36.3 54.5#

