

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047281.D
 Acq On : 08 Aug 2025 18:39
 Operator : JC/MD
 Sample : Q2812-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Aug 11 02:06:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

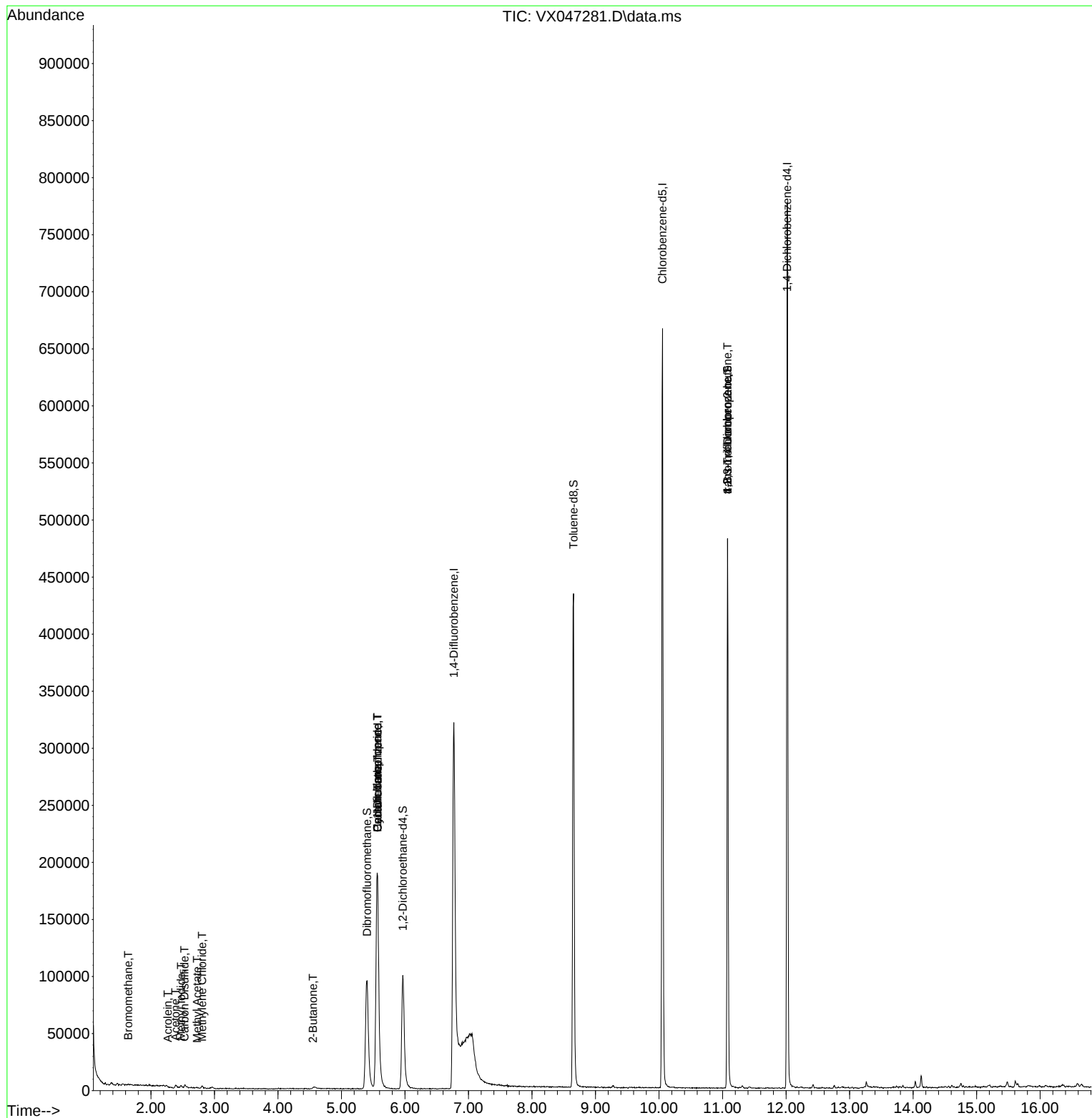
Internal Standards						
1) Pentafluorobenzene	5.568	168	193286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	336798	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	299963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	153513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106856	44.380	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	88.760%	
35) Dibromofluoromethane	5.403	113	94420	45.405	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	90.820%	
50) Toluene-d8	8.653	98	268901	39.929	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	79.860%#	
62) 4-Bromofluorobenzene	11.079	95	131377	45.269	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	90.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	431	0.291	ug/l	91
10) Methyl Iodide	2.477	142	2413	0.965	ug/l #	77
11) Tert butyl alcohol	2.959	59	215	Below Cal	#	72
13) Acrolein	2.264	56	105	0.203	ug/l #	41
16) Acetone	2.386	43	3522	3.651	ug/l #	87
17) Carbon Disulfide	2.526	76	1536	0.219	ug/l	97
18) Methyl Acetate	2.727	43	1629	0.636	ug/l #	59
20) Methylene Chloride	2.806	84	1037	0.391	ug/l #	89
25) 2-Butanone	4.550	43	416	0.296	ug/l #	52
31) Cyclohexane	5.568	56	3807	0.846	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16025	4.521	ug/l #	51
38) Carbon Tetrachloride	5.568	117	21089	5.574	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	67411	23.724	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	67411	61.123	ug/l #	8

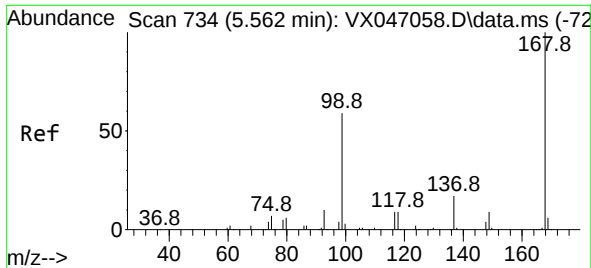
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 11 02:06:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

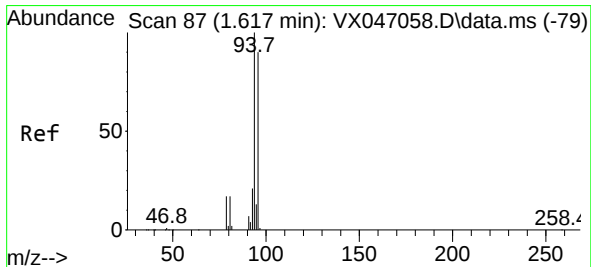
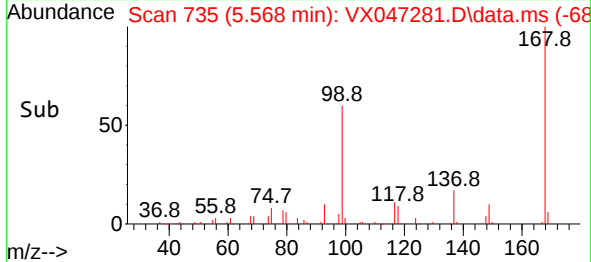
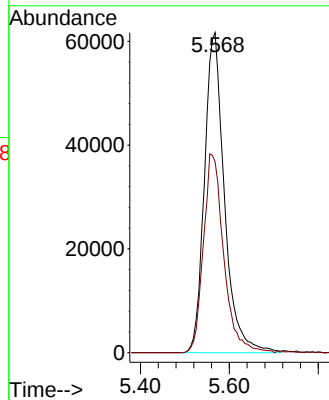
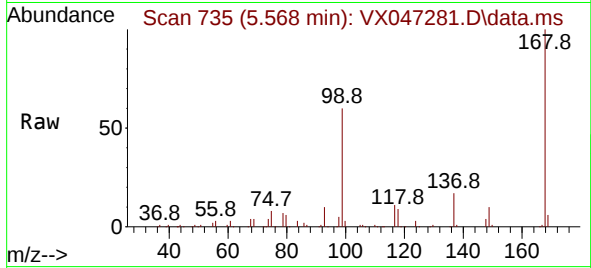




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

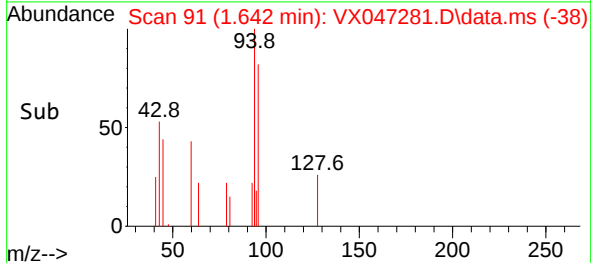
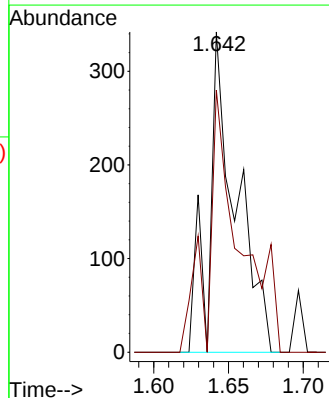
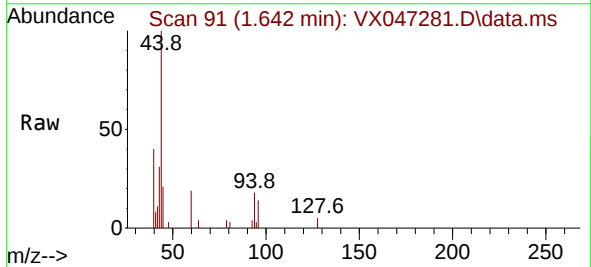
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

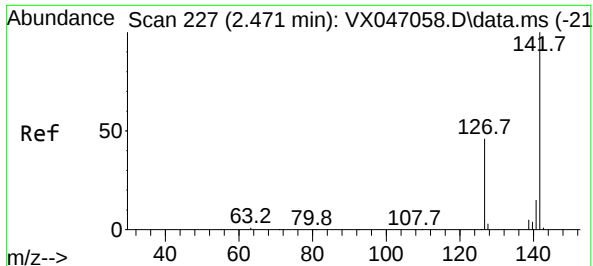
Tgt Ion:168 Resp: 193286
Ion Ratio Lower Upper
168 100
99 59.7 48.0 72.0



#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 81.9 72.3 108.5

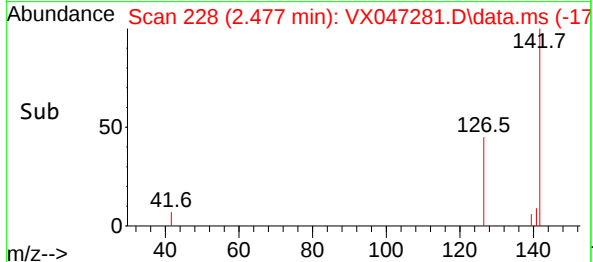
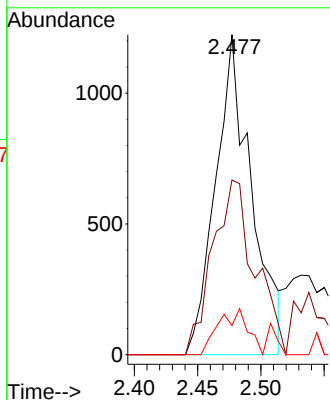
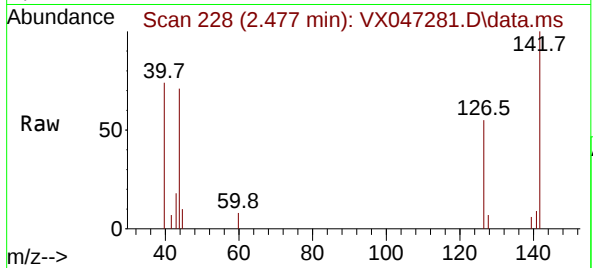




#10
Methyl Iodide
Concen: 0.965 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

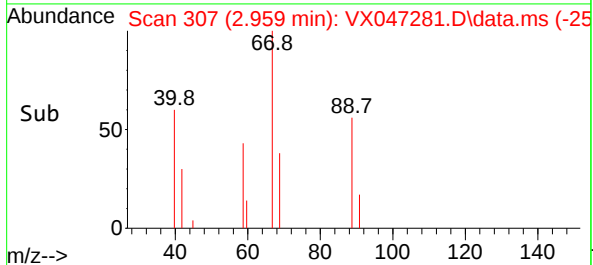
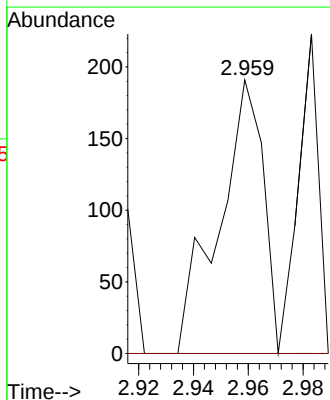
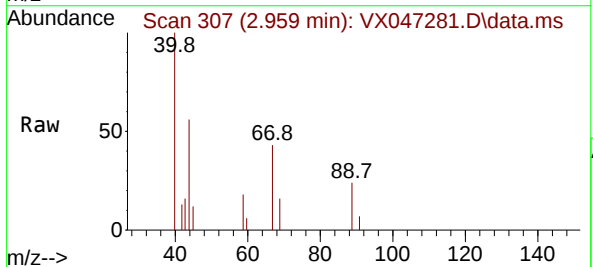
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

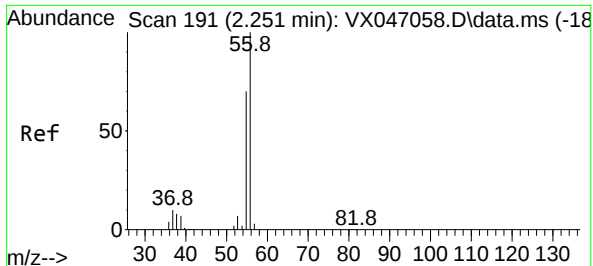
Tgt Ion:142 Resp: 2413
Ion Ratio Lower Upper
142 100
127 64.1 36.6 54.8#
141 11.7 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.203 ug/l

RT: 2.264 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX047281.D

Acq: 08 Aug 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

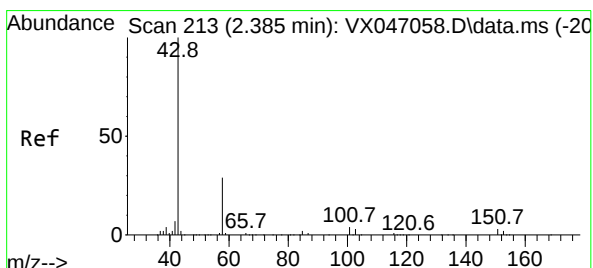
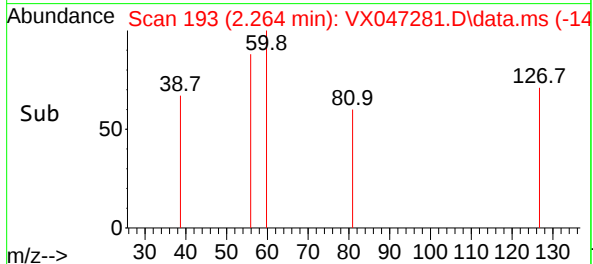
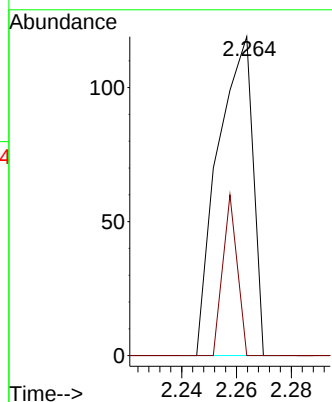
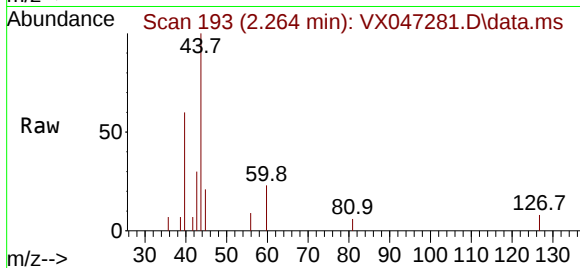
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 21.0 55.7 83.5#



#16

Acetone

Concen: 3.651 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX047281.D

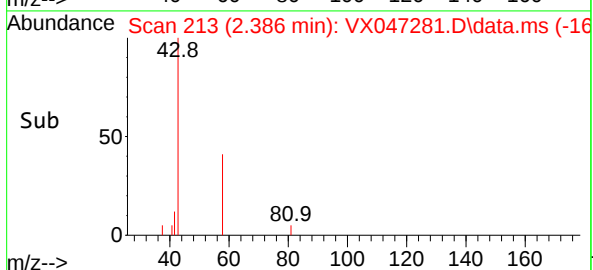
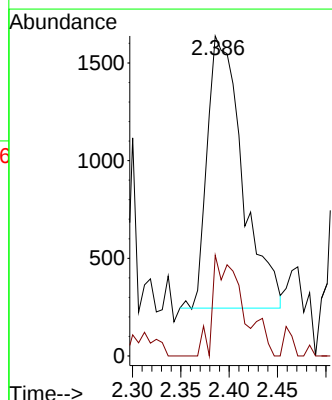
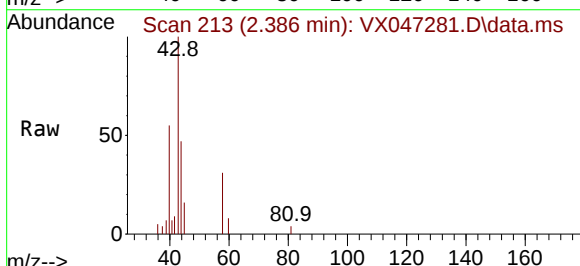
Acq: 08 Aug 2025 18:39

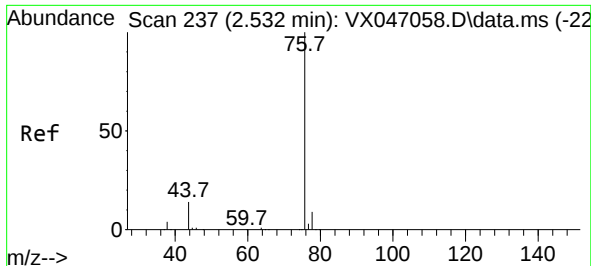
Tgt Ion: 43 Resp: 3522

Ion Ratio Lower Upper

43 100

58 37.0 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047281.D

Acq: 08 Aug 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

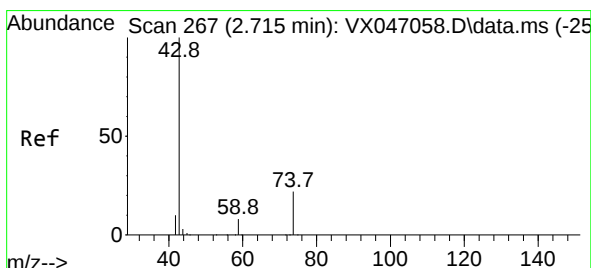
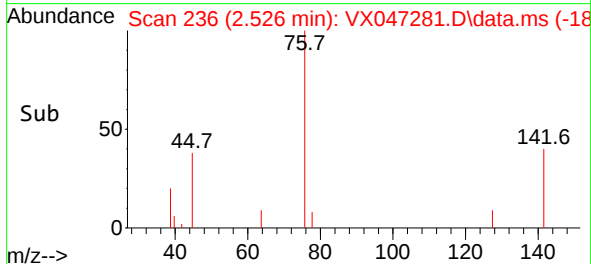
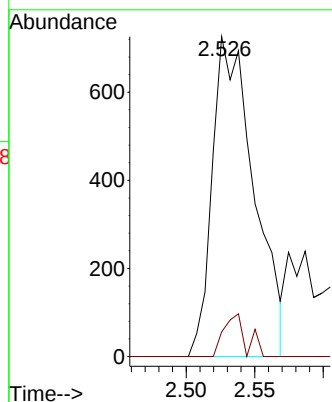
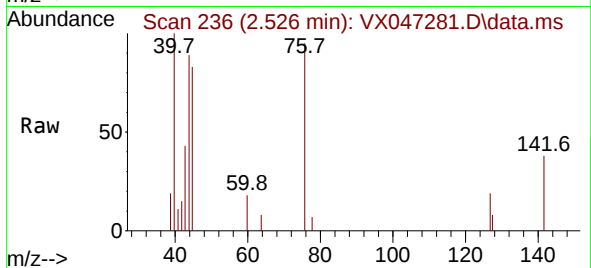
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 76 Resp: 1536

Ion Ratio Lower Upper

76 100

78 7.7 7.0 10.4



#18

Methyl Acetate

Concen: 0.636 ug/l

RT: 2.727 min Scan# 269

Delta R.T. 0.012 min

Lab File: VX047281.D

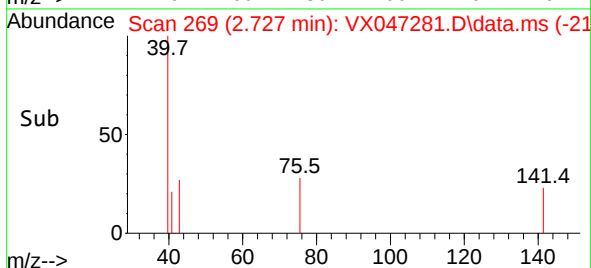
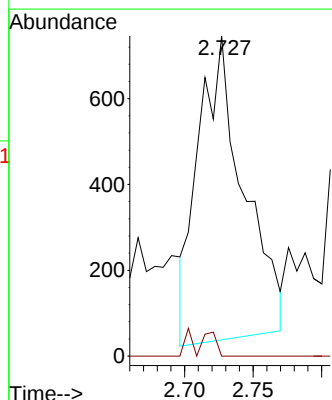
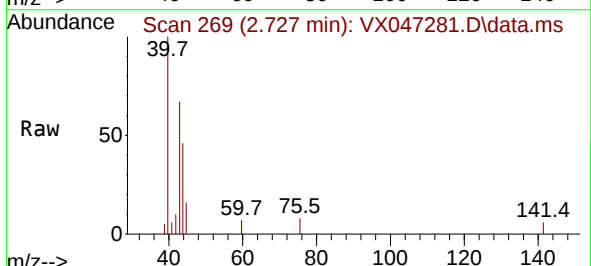
Acq: 08 Aug 2025 18:39

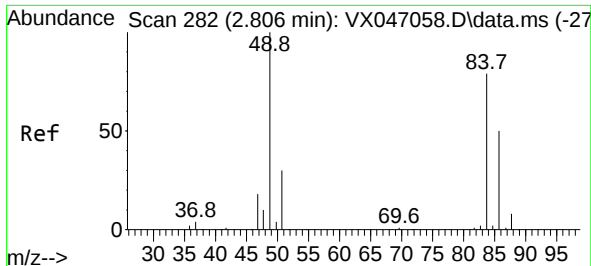
Tgt Ion: 43 Resp: 1629

Ion Ratio Lower Upper

43 100

74 2.4 17.7 26.5#

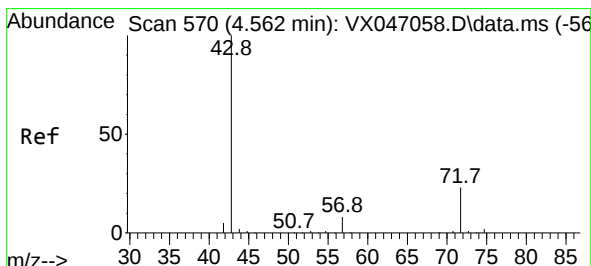
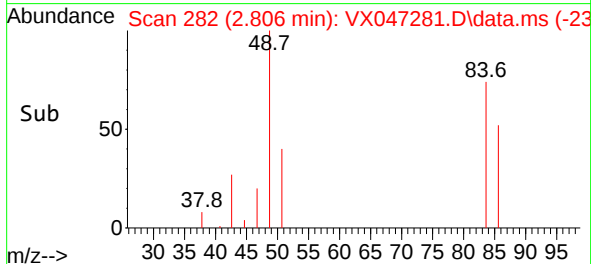
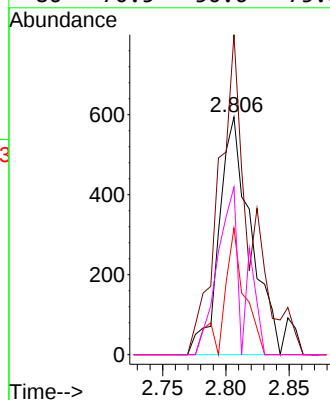
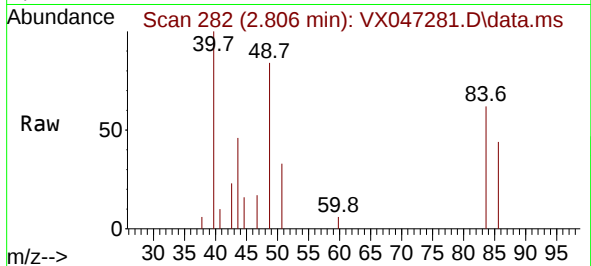




#20
Methylene Chloride
Concen: 0.391 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

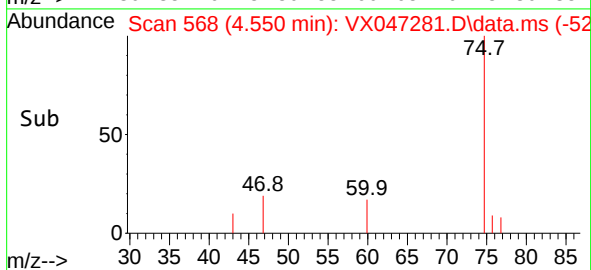
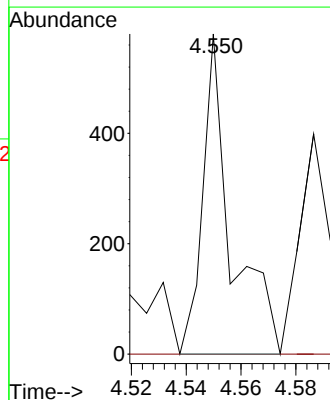
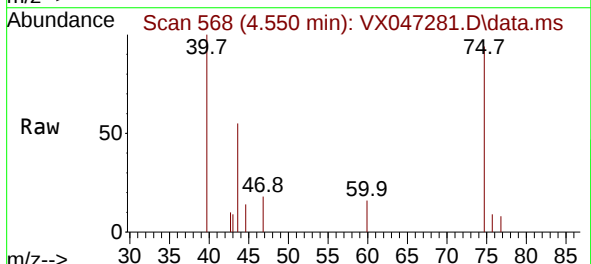
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STORAGE-BLANK-SAMPLE-MANAGEMENT

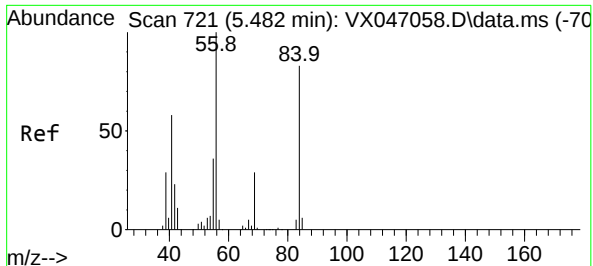
Tgt Ion:	84	Resp:	1037
Ion	Ratio	Lower	Upper
84	100		
49	134.7	101.6	152.4
51	53.4	30.3	45.5#
86	70.5	50.6	75.8



#25
2-Butanone
Concen: 0.296 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.012 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion:	43	Resp:	416
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.8	28.2#

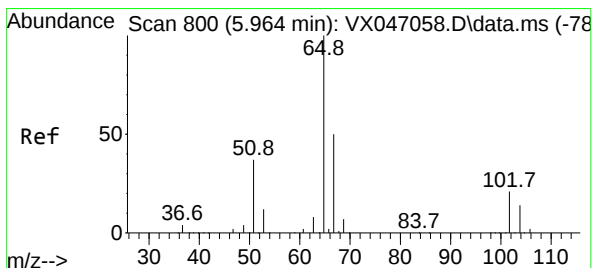
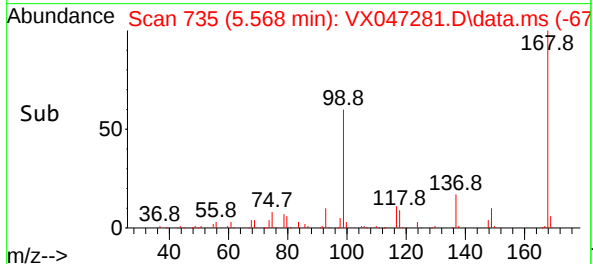
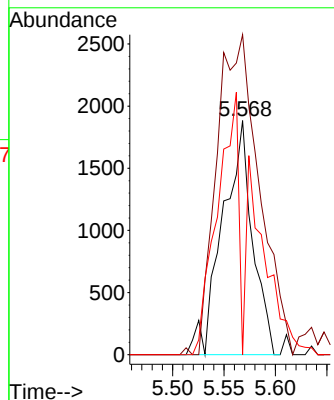
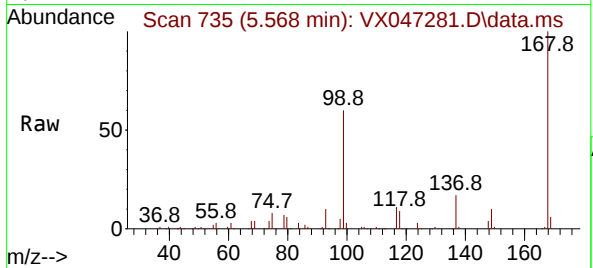




#31
Cyclohexane
Concen: 0.846 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

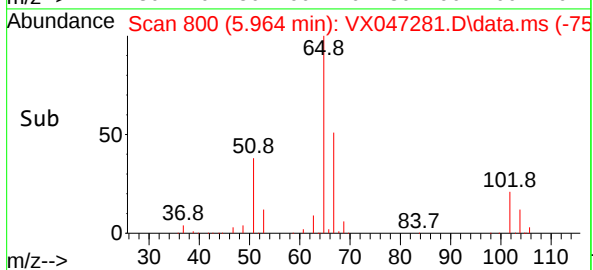
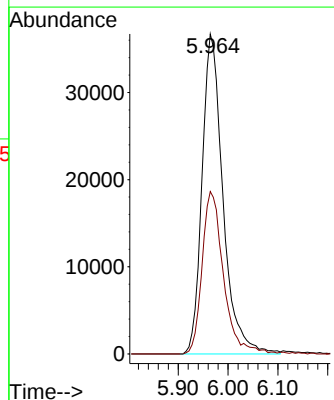
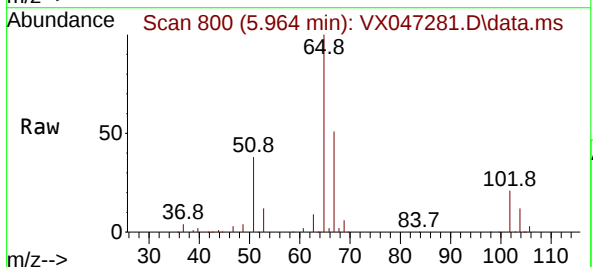
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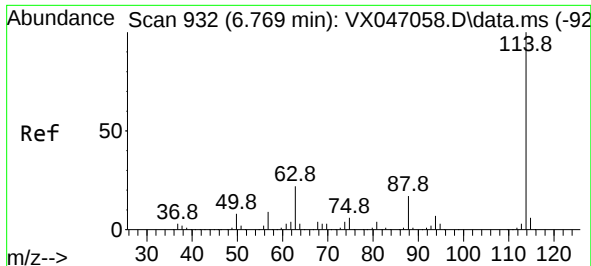
Tgt Ion: 56 Resp: 3807
Ion Ratio Lower Upper
56 100
69 136.7 23.3 34.9#
84 0.0 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 44.380 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion: 65 Resp: 106856
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8

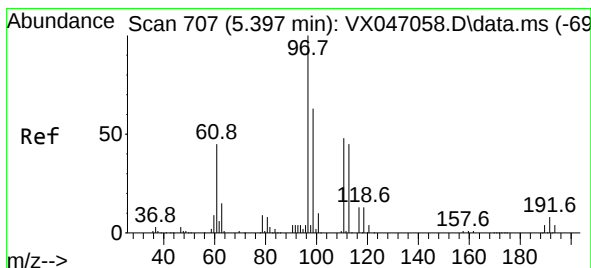
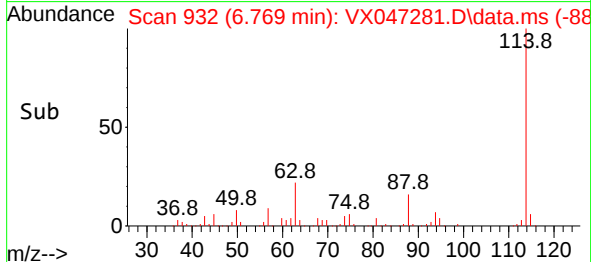
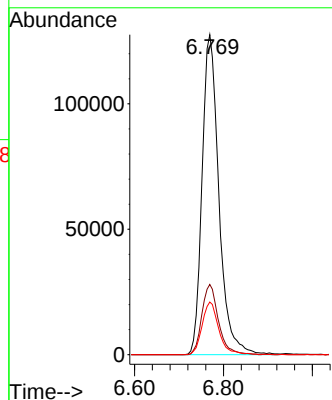
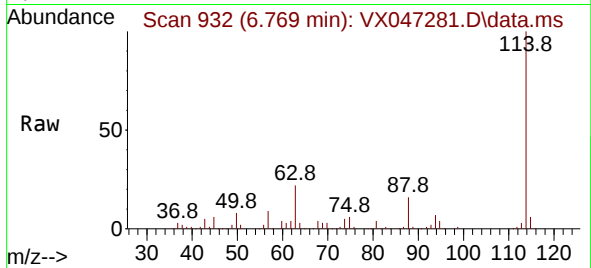




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

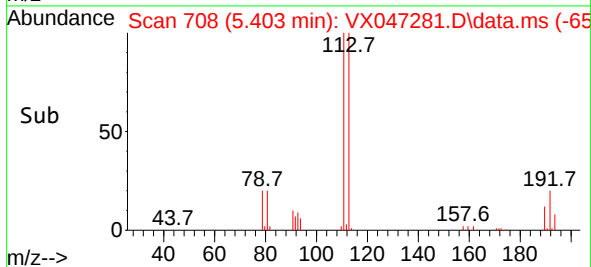
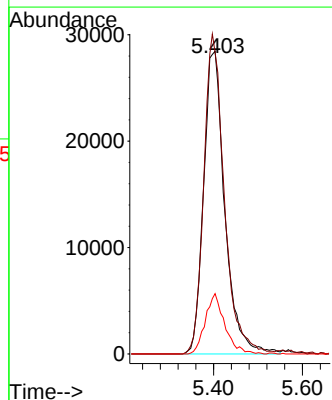
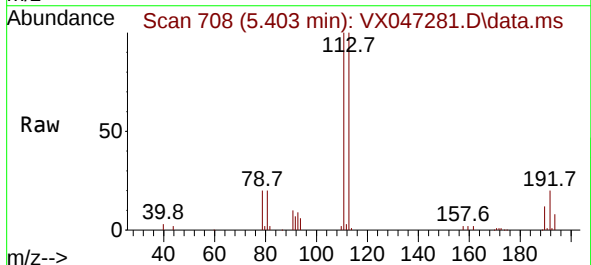
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

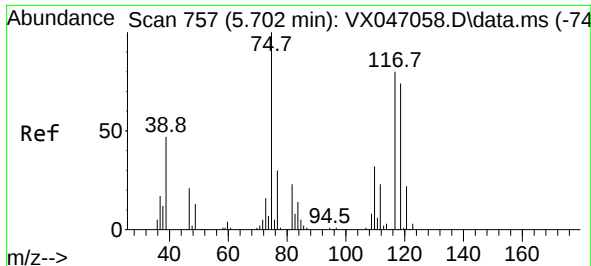
Tgt Ion:114 Resp: 336798
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.2
88 16.5 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.405 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion:113 Resp: 94420
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.4 14.9 22.3

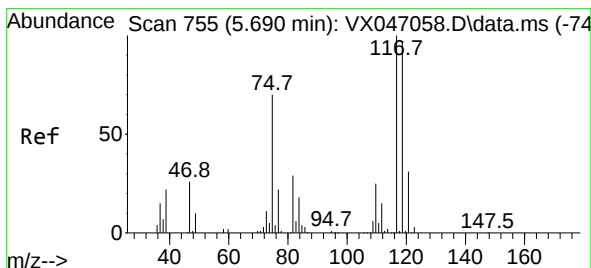
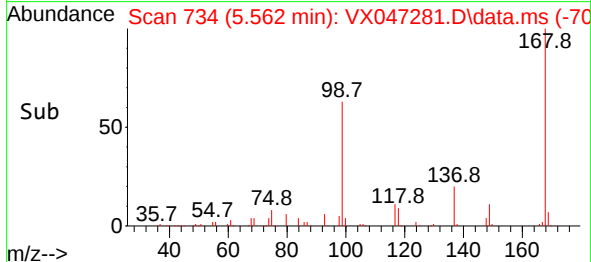
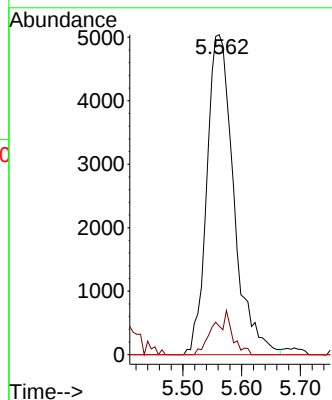
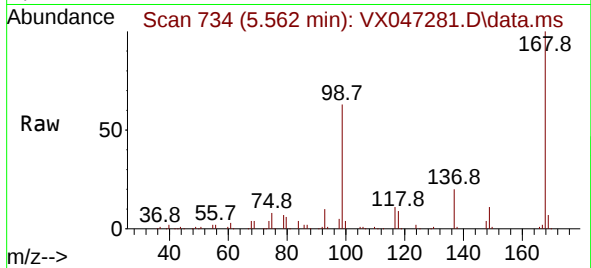




#36
1,1-Dichloropropene
Concen: 4.521 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

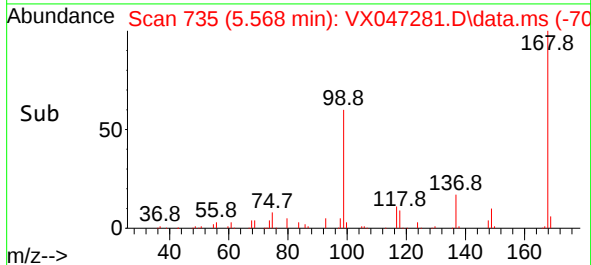
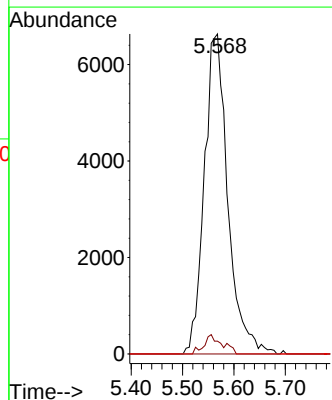
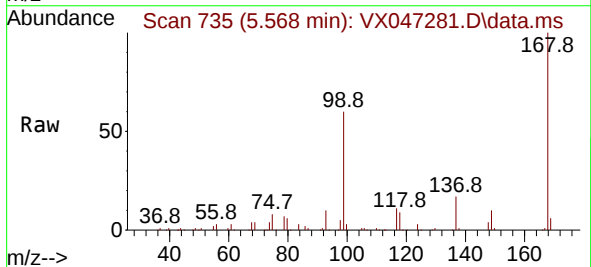
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

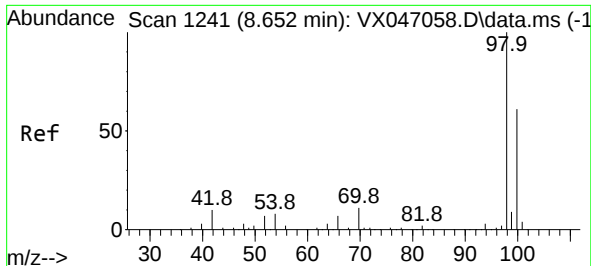
Tgt Ion: 75 Resp: 16025
Ion Ratio Lower Upper
75 100
110 9.8 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.574 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion: 117 Resp: 21089
Ion Ratio Lower Upper
117 100
119 4.0 76.6 115.0#
121 0.0 24.4 36.6#

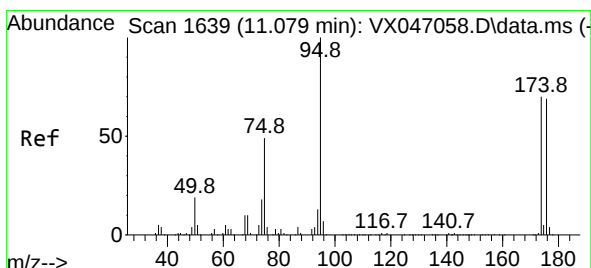
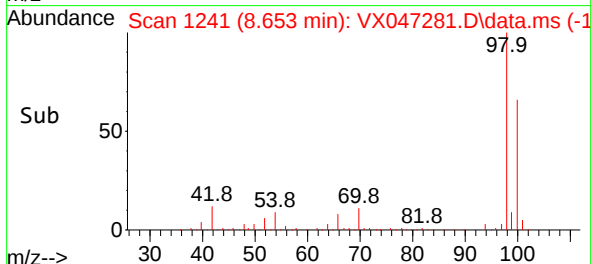
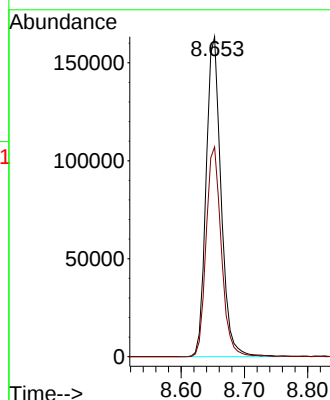
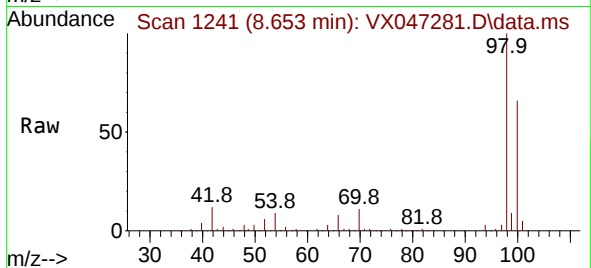




#50
Toluene-d8
Concen: 39.929 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

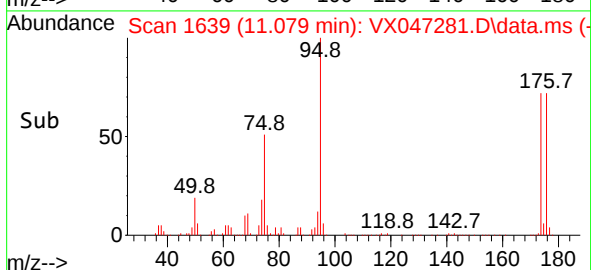
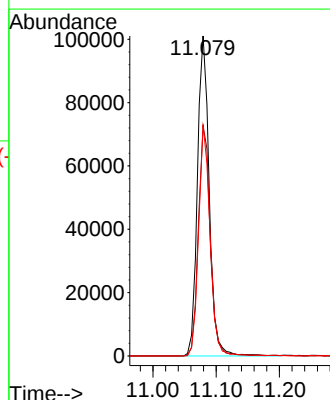
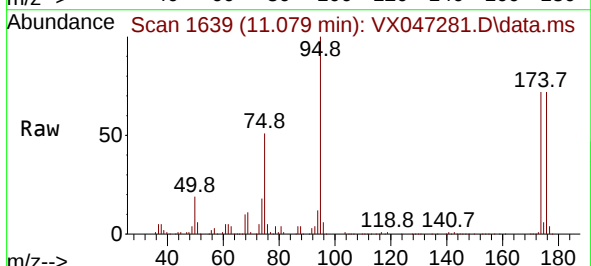
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

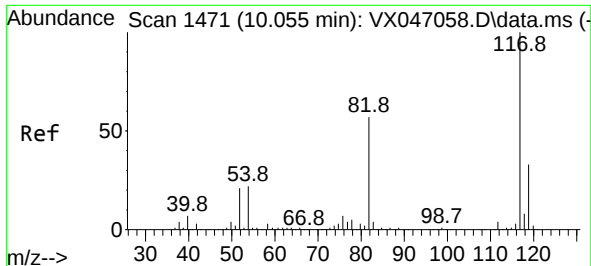
Tgt Ion: 98 Resp: 268901
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 45.269 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion: 95 Resp: 131377
Ion Ratio Lower Upper
95 100
174 72.2 0.0 144.6
176 70.2 0.0 139.6

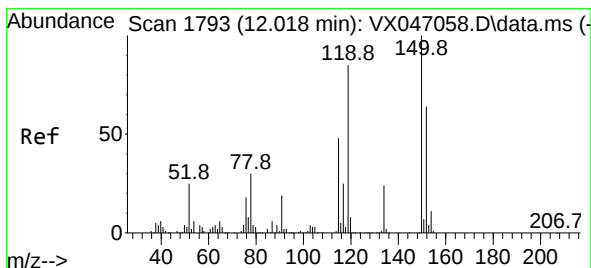
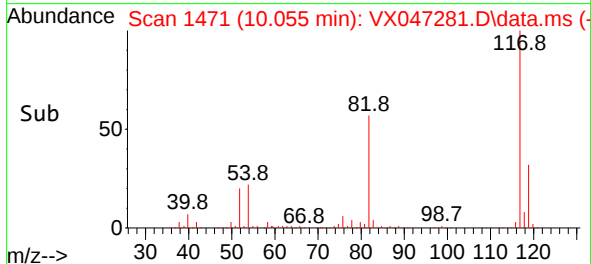
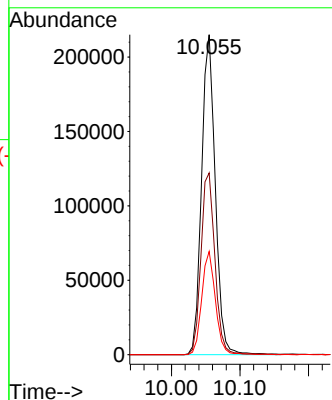
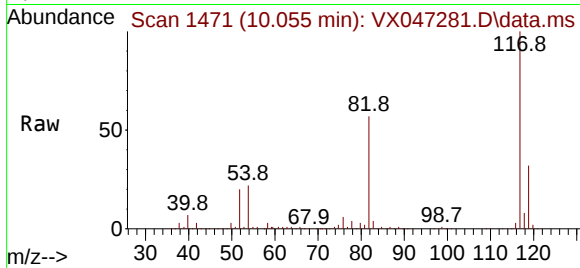




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

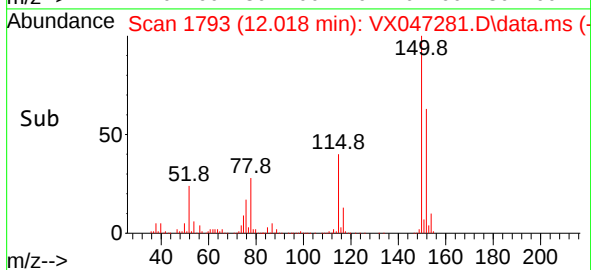
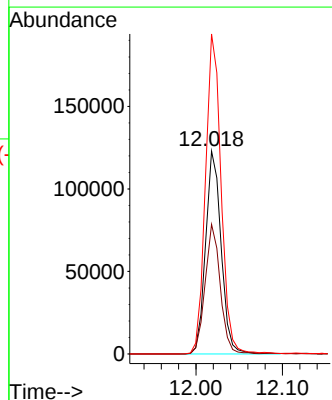
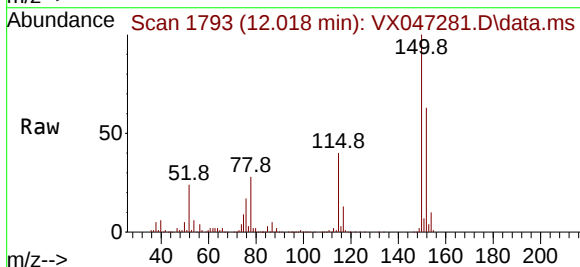
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

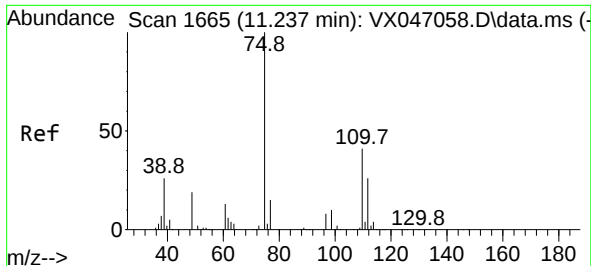
Tgt Ion:117 Resp: 299963
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 32.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion:152 Resp: 153513
Ion Ratio Lower Upper
152 100
115 62.2 45.6 136.7
150 158.3 0.0 354.6

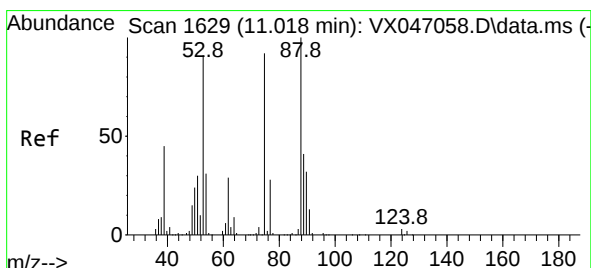
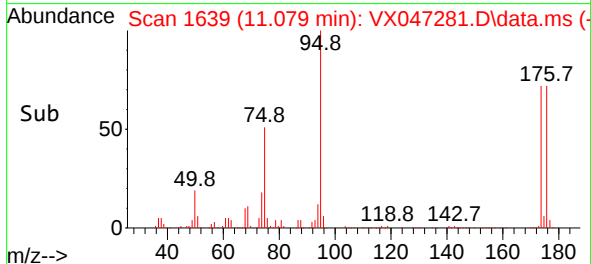
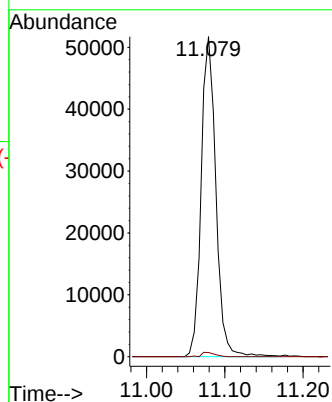
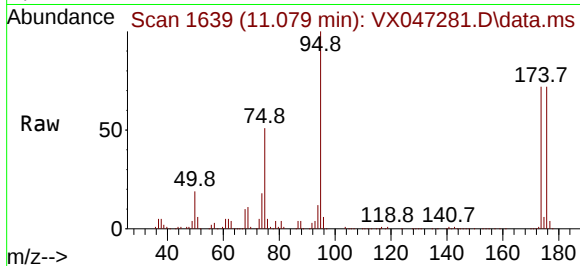




#76
1,2,3-Trichloropropane
Concen: 23.724 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 75 Resp: 67411
Ion Ratio Lower Upper
75 100
77 1.2 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047281.D
Acq: 08 Aug 2025 18:39

Tgt Ion: 75 Resp: 67411
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

