

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047120.D
 Acq On : 24 Jul 2025 15:12
 Operator : JC/MD
 Sample : Q2481-21 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:24:43 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)

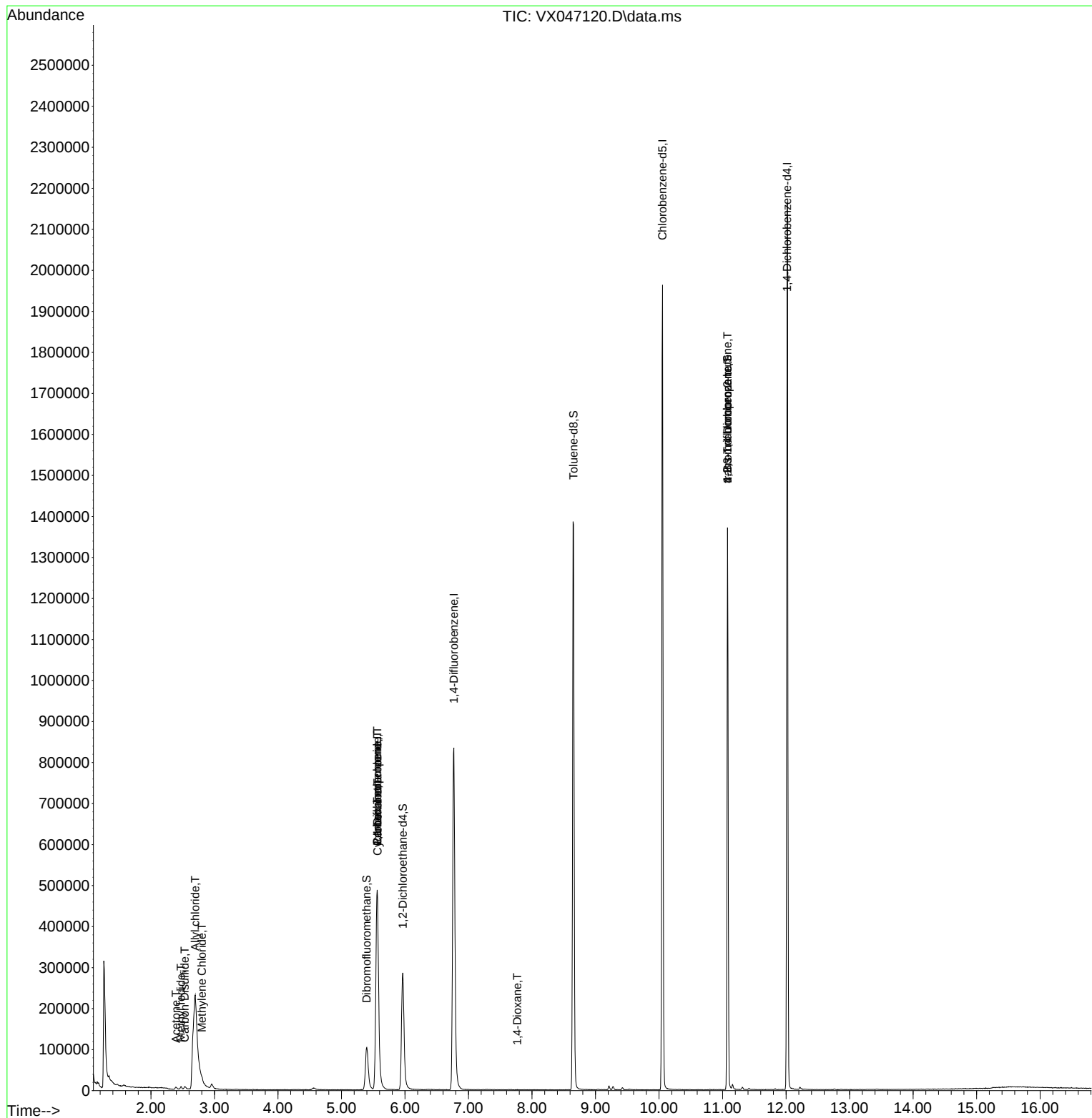
Internal Standards						
1) Pentafluorobenzene	5.562	168	488832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	892867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	845132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	418999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	302516	49.680	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.360%
35) Dibromofluoromethane	5.397	113	100894	18.302	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	36.600%#
50) Toluene-d8	8.653	98	856632	47.982	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.960%
62) 4-Bromofluorobenzene	11.079	95	362137	47.069	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.140%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	7640	1.209	ug/l	94
11) Tert butyl alcohol	2.953	59	6065	Below Cal	#	72
14) Allyl chloride	2.697	41	660508	59.480	ug/l #	42
16) Acetone	2.392	43	7716	3.163	ug/l #	80
17) Carbon Disulfide	2.532	76	12858	0.723	ug/l	96
20) Methylene Chloride	2.800	84	2522	0.376	ug/l	92
31) Cyclohexane	5.568	56	11130	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	41483	4.414	ug/l #	50
38) Carbon Tetrachloride	5.562	117	51780	5.163	ug/l #	16
49) 1,4-Dioxane	7.769	88	20	0.239	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	188732	24.335	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	188732	62.698	ug/l #	8

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

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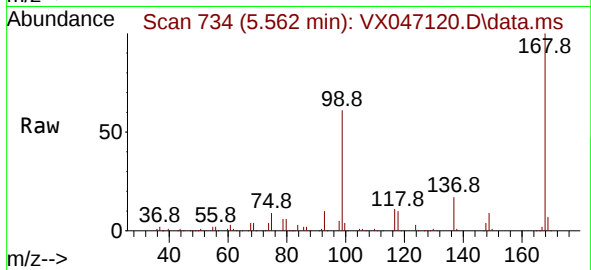
Quant Time: Jul 25 01:24:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



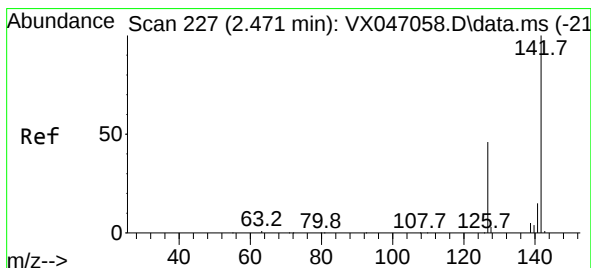
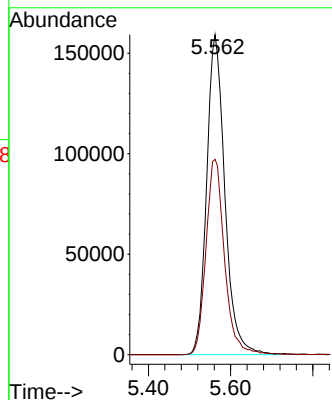
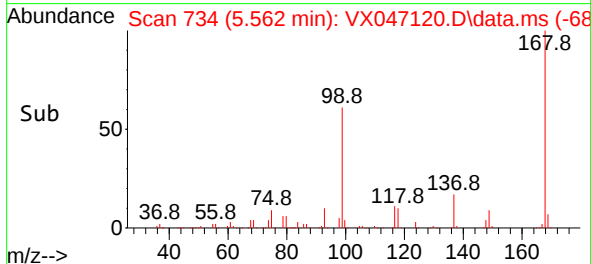


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :

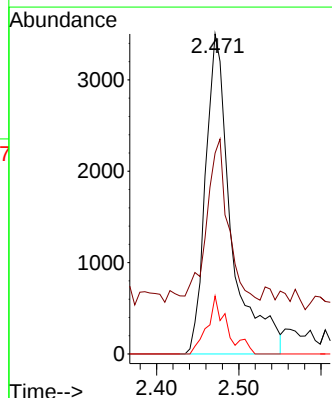
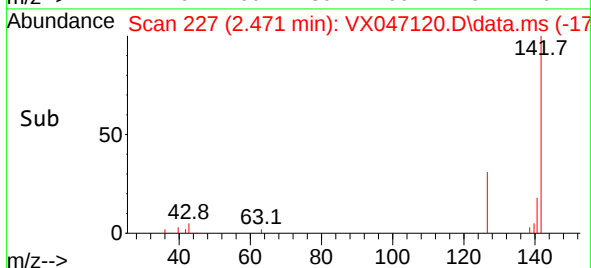
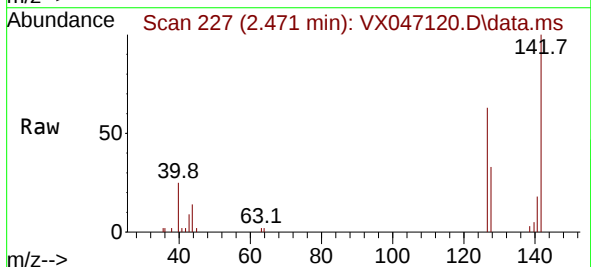


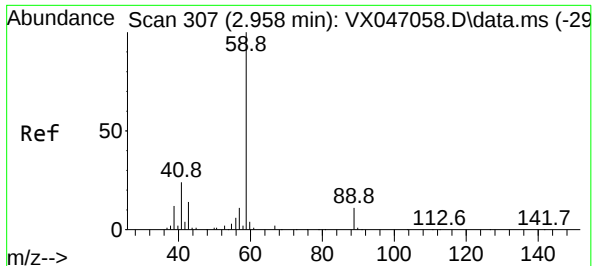
Tgt Ion:168 Resp: 488832
Ion Ratio Lower Upper
168 100
99 61.1 48.0 72.0



#10
Methyl Iodide
Concen: 1.209 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Tgt Ion:142 Resp: 7640
Ion Ratio Lower Upper
142 100
127 41.4 36.6 54.8
141 12.2 10.9 16.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX047120.D

Acq: 24 Jul 2025 15:12

Instrument :

MSVOA_X

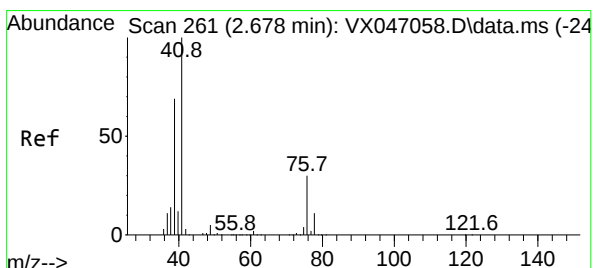
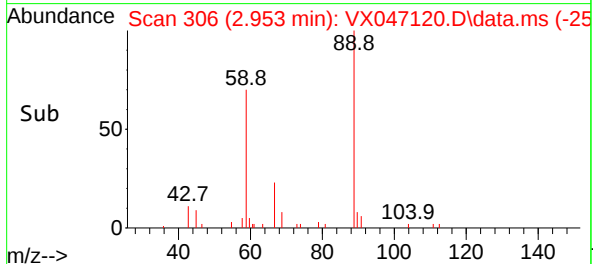
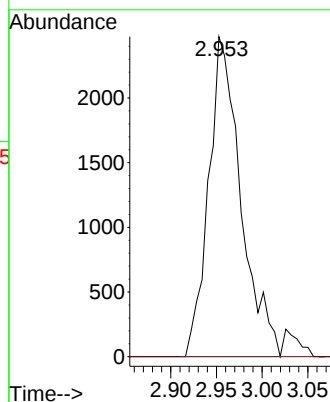
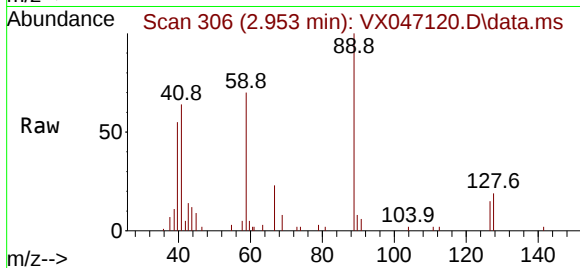
ClientSampleId :

Tgt Ion: 59 Resp: 6065

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#14

Allyl chloride

Concen: 59.480 ug/l

RT: 2.697 min Scan# 264

Delta R.T. 0.019 min

Lab File: VX047120.D

Acq: 24 Jul 2025 15:12

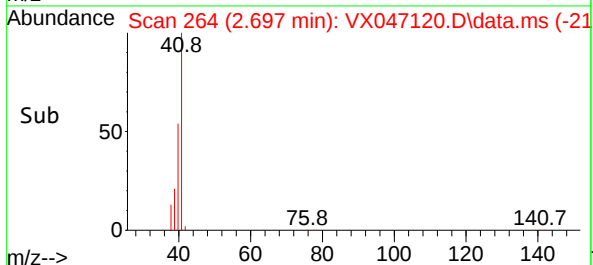
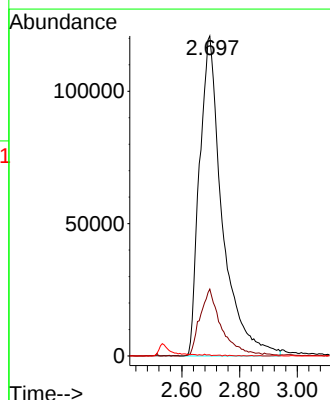
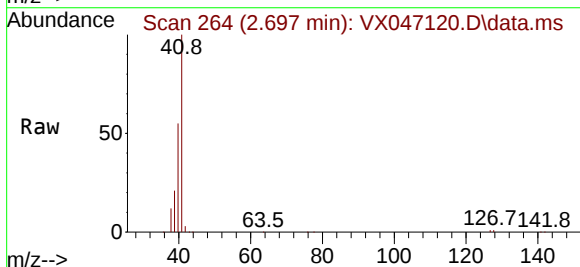
Tgt Ion: 41 Resp: 660508

Ion Ratio Lower Upper

41 100

39 19.7 52.6 78.8#

76 0.0 25.7 38.5#

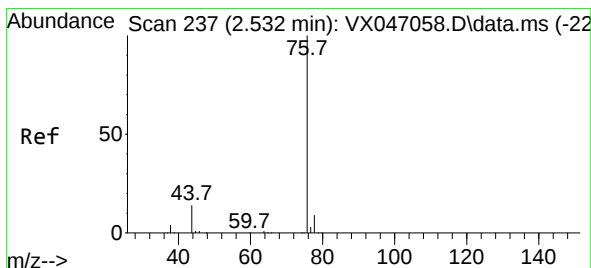
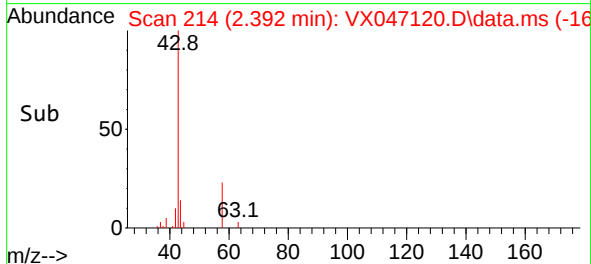
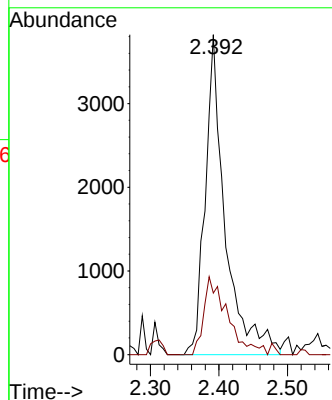
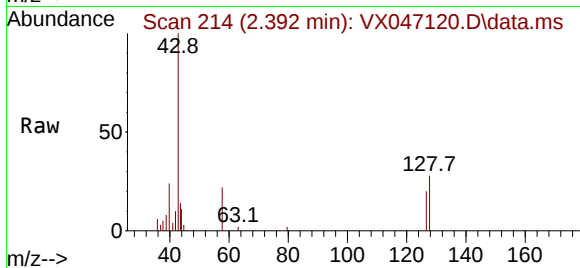




#16
Acetone
Concen: 3.163 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

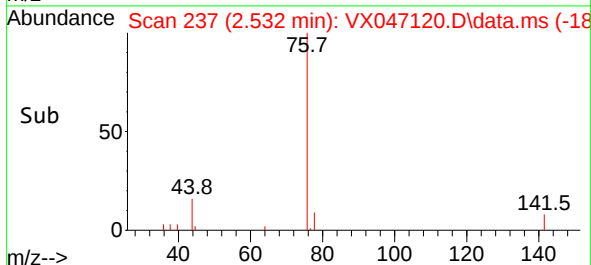
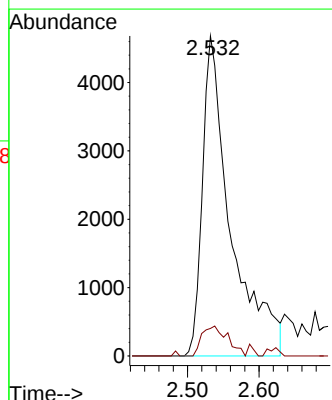
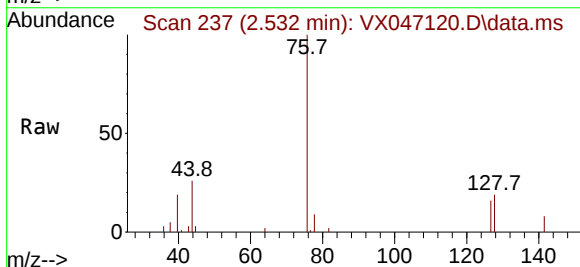
Instrument :
MSVOA_X
ClientSampleId :

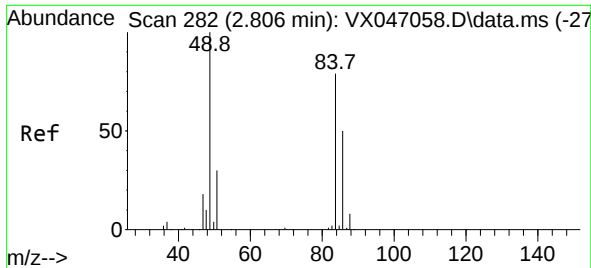
Tgt Ion: 43 Resp: 7716
Ion Ratio Lower Upper
43 100
58 19.2 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.723 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

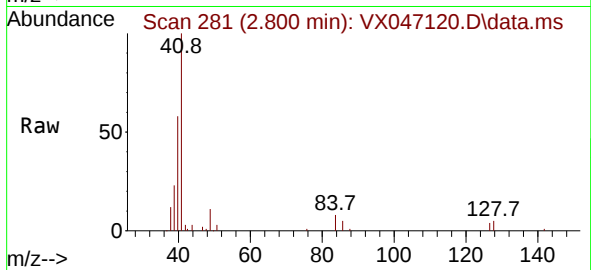
Tgt Ion: 76 Resp: 12858
Ion Ratio Lower Upper
76 100
78 7.3 7.0 10.4





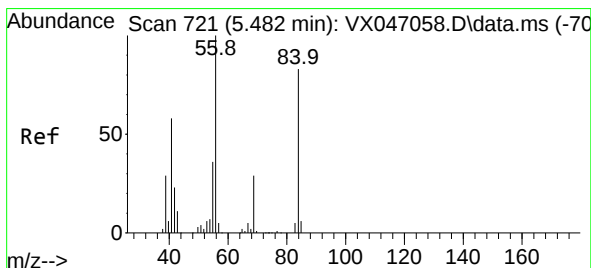
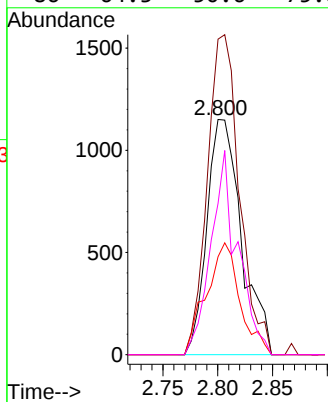
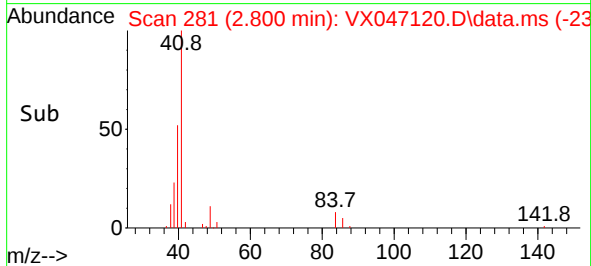
#20
Methylene Chloride
Concen: 0.376 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :

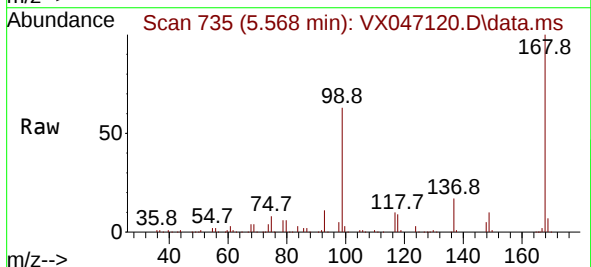


Tgt Ion: 84 Resp: 2522

Ion	Ratio	Lower	Upper
84	100		
49	139.6	101.6	152.4
51	41.6	30.3	45.5
86	64.3	50.6	75.8

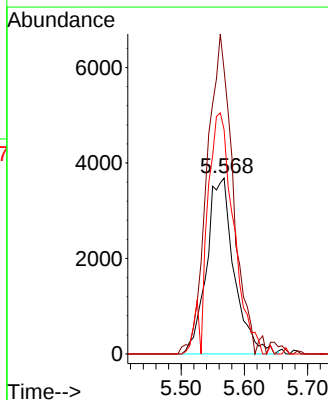
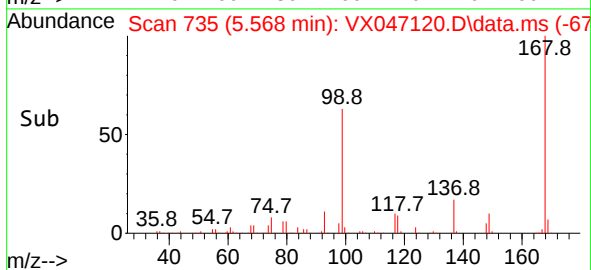


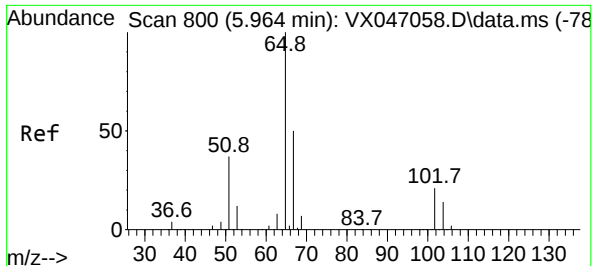
#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.086 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12



Tgt Ion: 56 Resp: 11130

Ion	Ratio	Lower	Upper
56	100		
69	163.2	23.3	34.9#
84	127.5	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 49.680 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047120.D

Acq: 24 Jul 2025 15:12

Instrument :

MSVOA_X

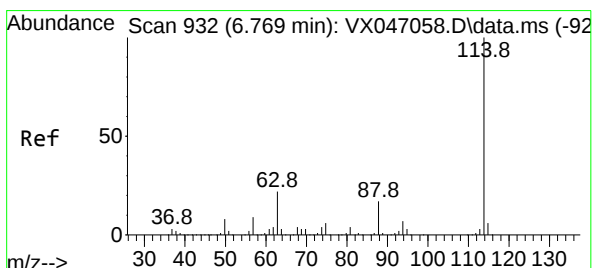
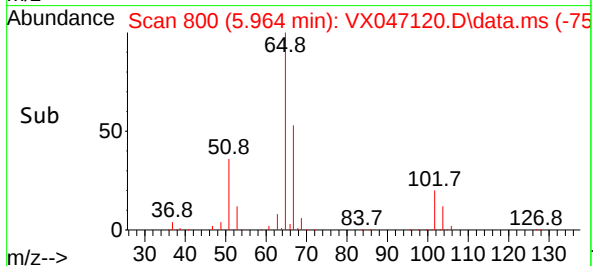
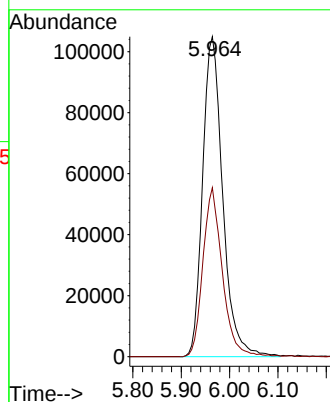
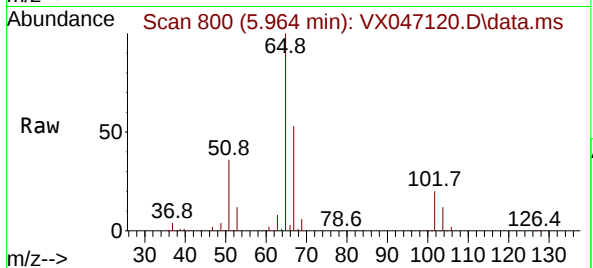
ClientSampleId :

Tgt Ion: 65 Resp: 302516

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047120.D

Acq: 24 Jul 2025 15:12

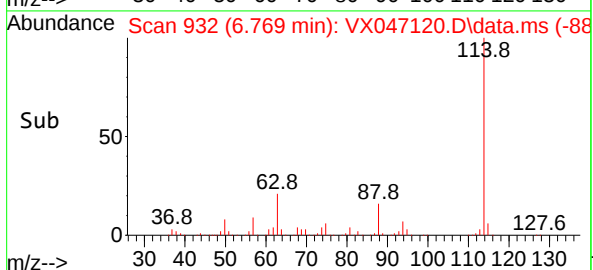
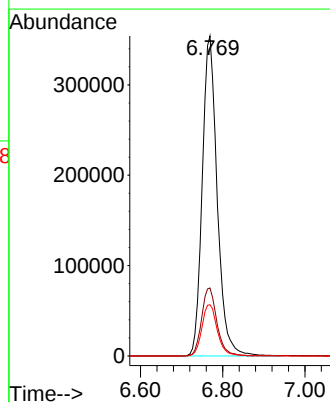
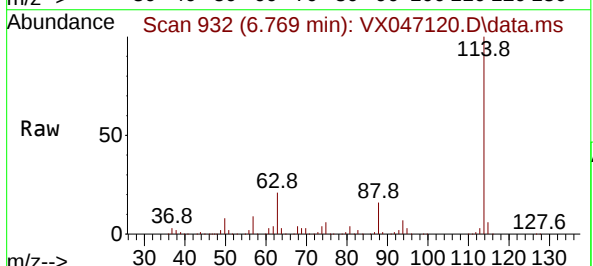
Tgt Ion: 114 Resp: 892867

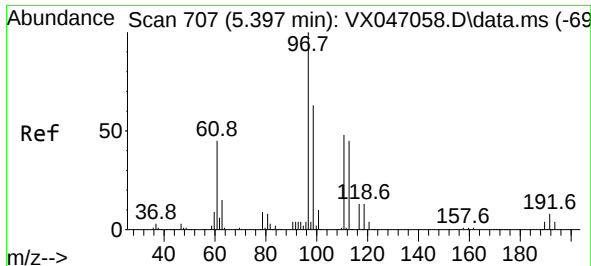
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 16.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 18.302 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

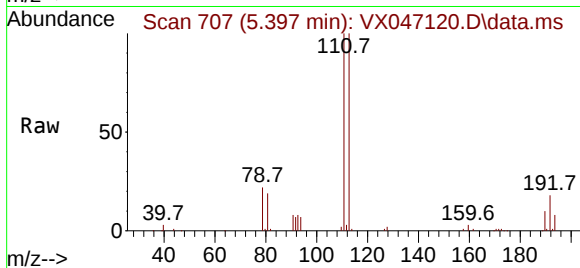
Lab File: VX047120.D

Acq: 24 Jul 2025 15:12

Instrument :

MSVOA_X

ClientSampleId :



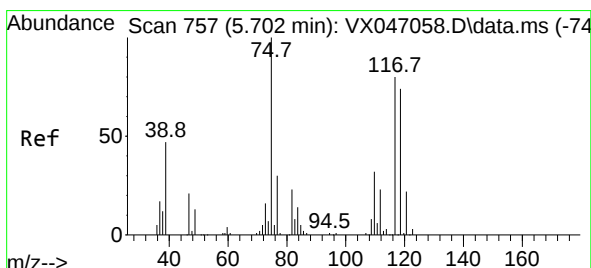
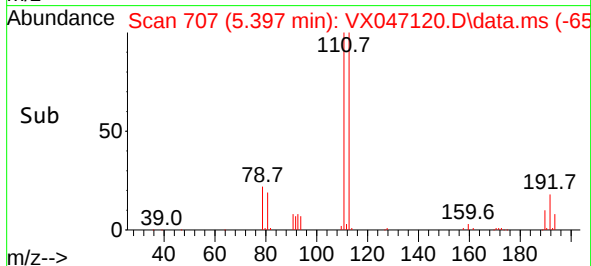
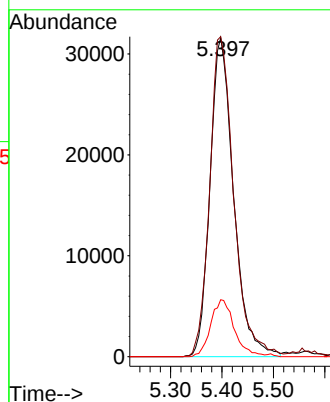
Tgt Ion:113 Resp: 100894

Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 17.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.414 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047120.D

Acq: 24 Jul 2025 15:12

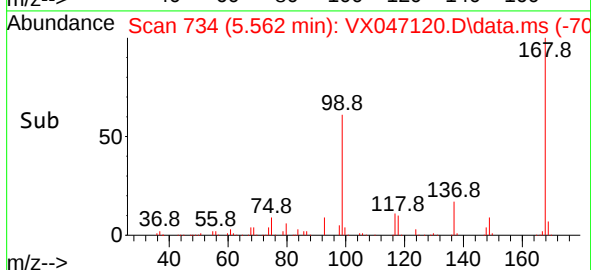
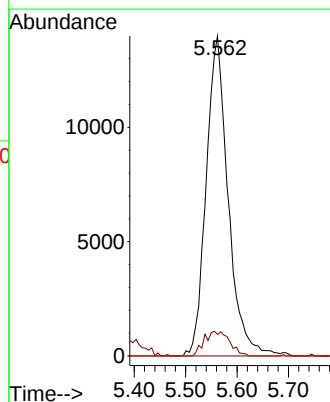
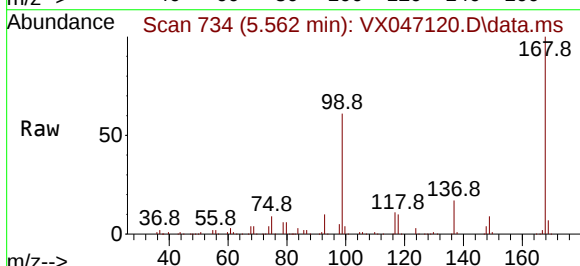
Tgt Ion: 75 Resp: 41483

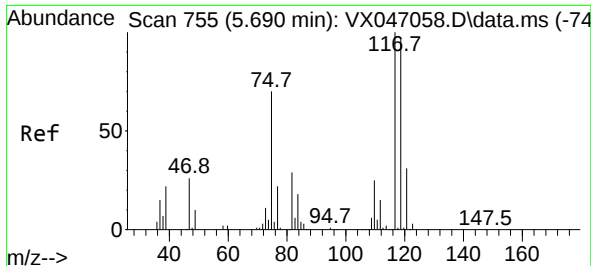
Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.5#

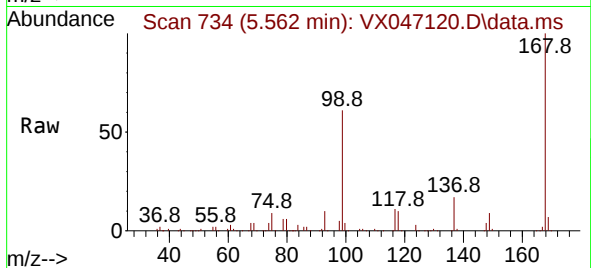
77 0.0 25.1 37.7#



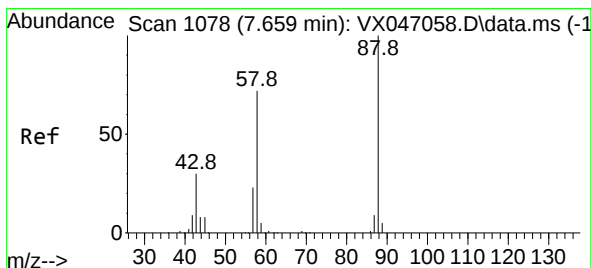
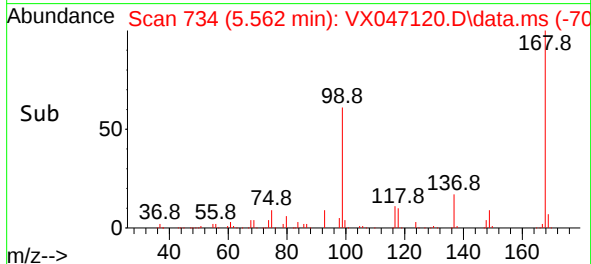
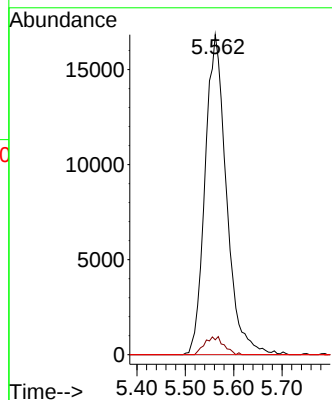


#38
Carbon Tetrachloride
Concen: 5.163 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :

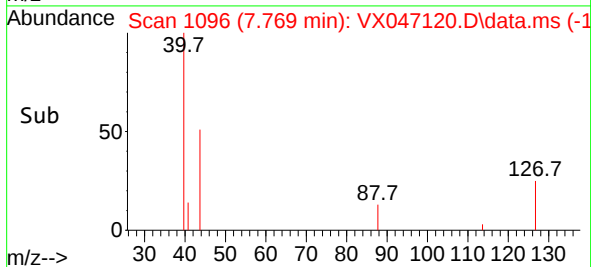
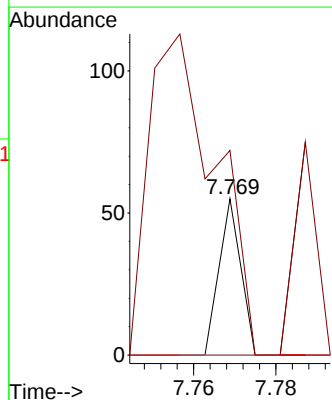
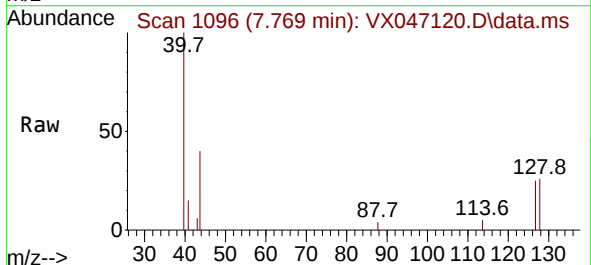


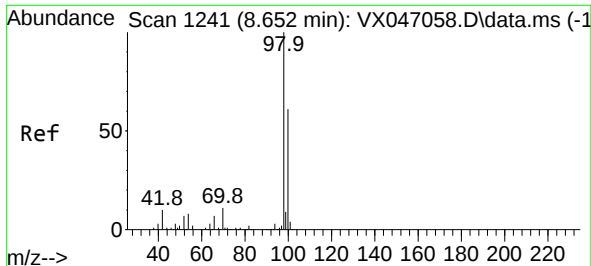
Tgt Ion:117 Resp: 51780
Ion Ratio Lower Upper
117 100
119 4.7 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.239 ug/l
RT: 7.769 min Scan# 1096
Delta R.T. 0.110 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 635.0 33.6 50.4#
58 0.0 58.8 88.2#

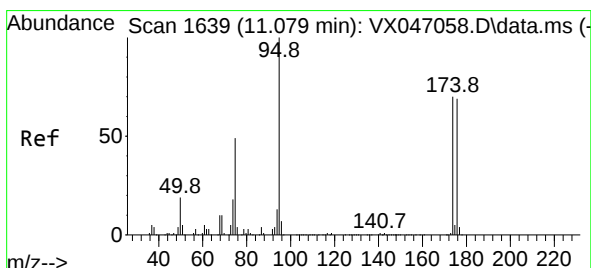
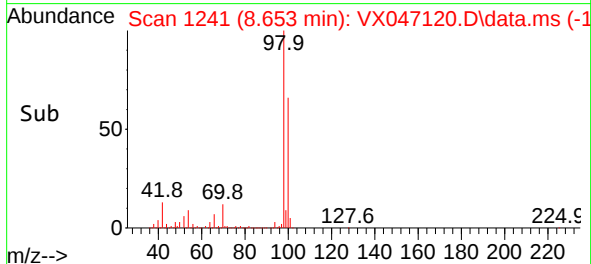
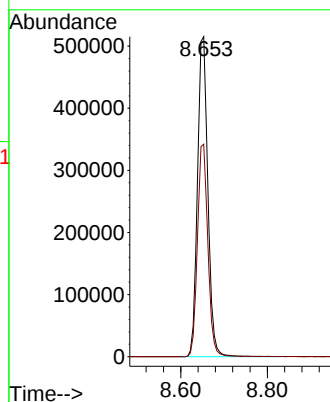
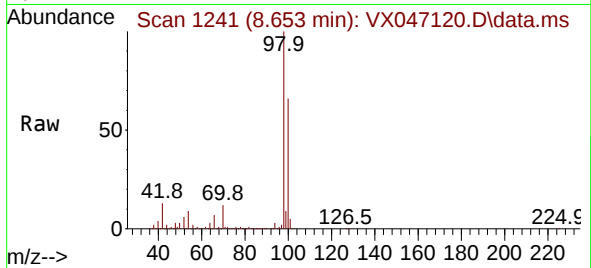




#50
Toluene-d8
Concen: 47.982 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

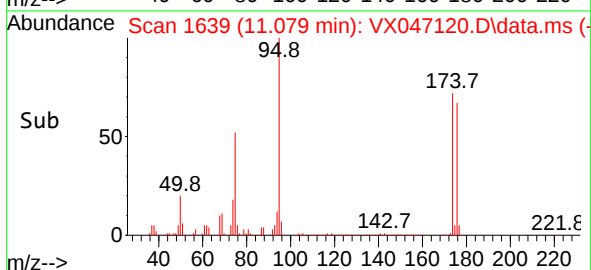
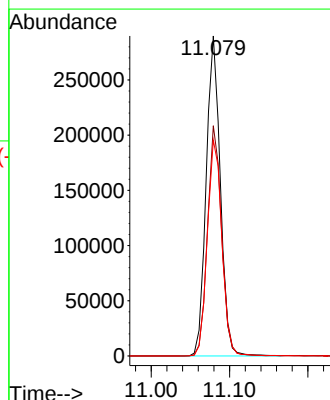
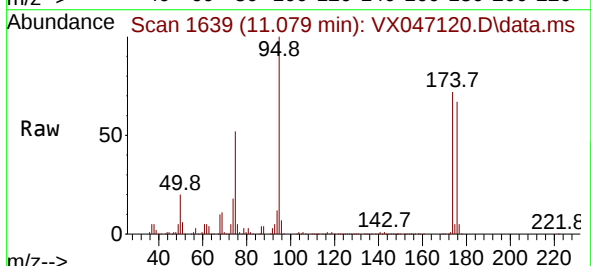
Instrument :
MSVOA_X
ClientSampleId :

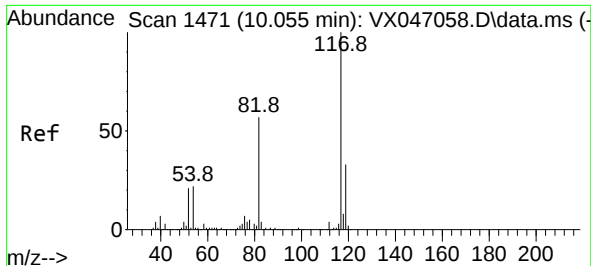
Tgt Ion: 98 Resp: 856632
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 47.069 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

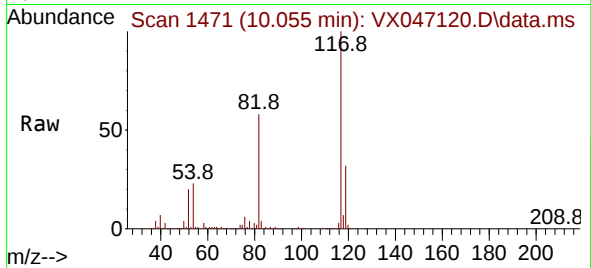
Tgt Ion: 95 Resp: 362137
Ion Ratio Lower Upper
95 100
174 72.1 0.0 144.6
176 69.5 0.0 139.6



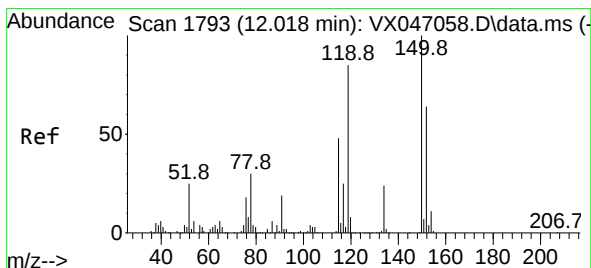
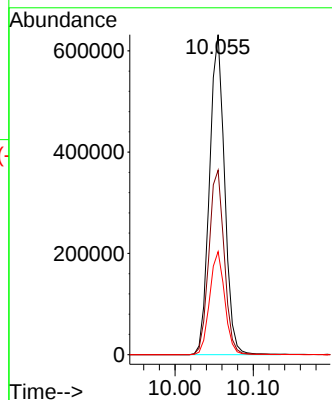
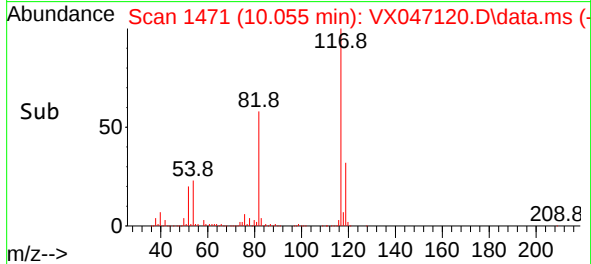


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

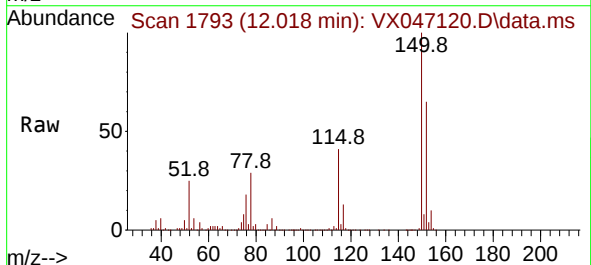
Instrument :
MSVOA_X
ClientSampleId :



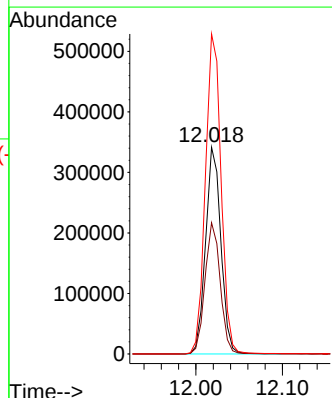
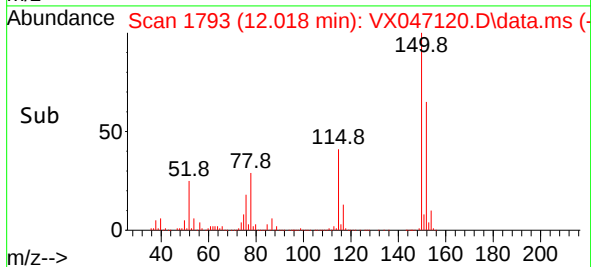
Tgt Ion:117 Resp: 845132
Ion Ratio Lower Upper
117 100
82 57.7 45.4 68.2
119 32.2 26.1 39.1

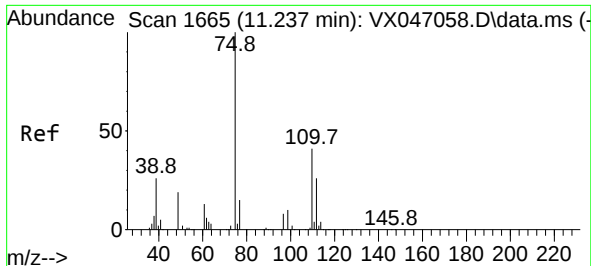


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12



Tgt Ion:152 Resp: 418999
Ion Ratio Lower Upper
152 100
115 63.5 45.6 136.7
150 159.0 0.0 354.6

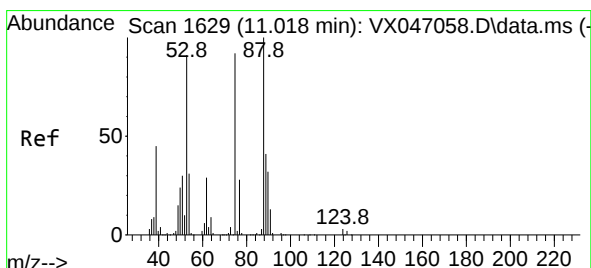
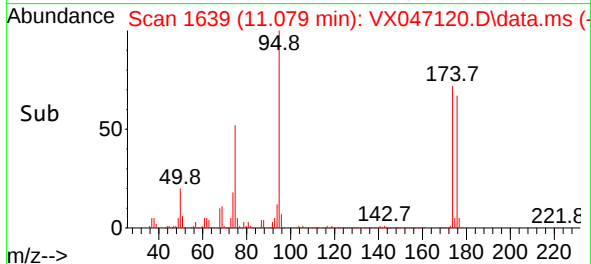
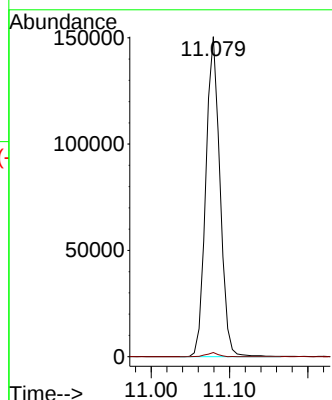
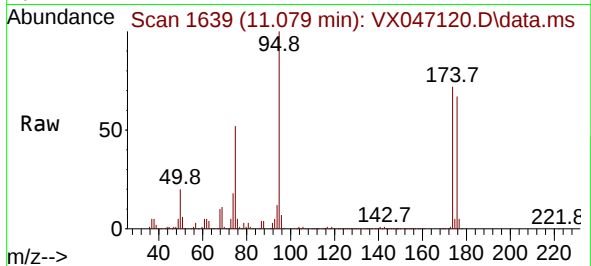




#76
1,2,3-Trichloropropane
Concen: 24.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 188732
Ion Ratio Lower Upper
75 100
77 1.1 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.698 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Tgt Ion: 75 Resp: 188732
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

