

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047327.D
 Acq On : 13 Aug 2025 16:57
 Operator : JC/MD
 Sample : Q2815-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10P-S

Quant Time: Aug 14 03:31:48 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)

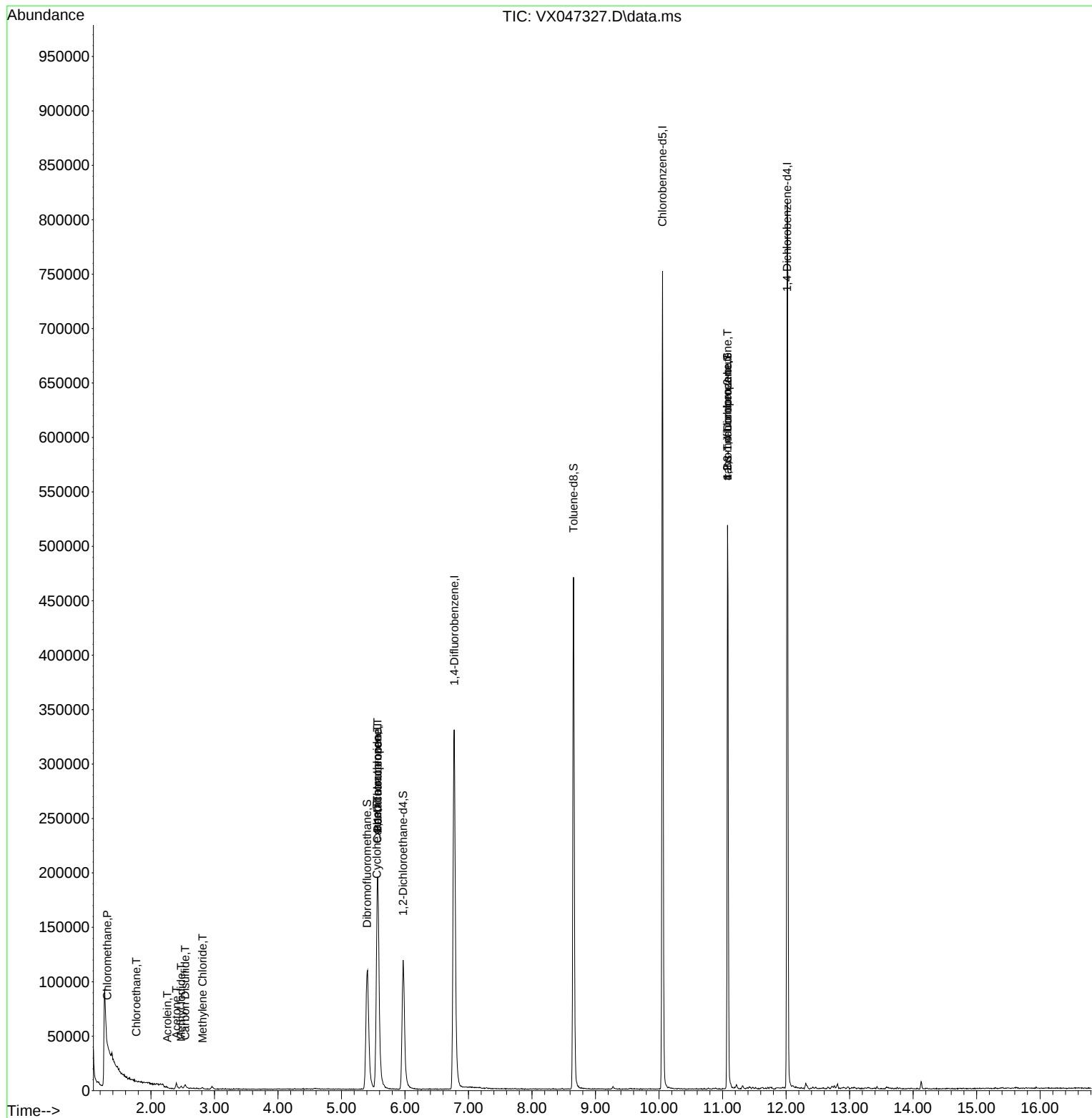
Internal Standards						
1) Pentafluorobenzene	5.568	168	195459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	356865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	329830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	168780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	123278	50.632	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.260%	
35) Dibromofluoromethane	5.403	113	105311	47.795	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.580%	
50) Toluene-d8	8.653	98	283241	39.694	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 79.380%#	
62) 4-Bromofluorobenzene	11.079	95	138244	44.956	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	1570	0.611	ug/l	90
6) Chloroethane	1.770	64	703	0.388	ug/l #	62
10) Methyl Iodide	2.477	142	2775	1.098	ug/l	94
11) Tert butyl alcohol	2.959	59	720	Below Cal	#	72
13) Acrolein	2.258	56	128	0.244	ug/l #	55
16) Acetone	2.398	43	6369	6.530	ug/l	98
17) Carbon Disulfide	2.538	76	5503	0.774	ug/l	98
20) Methylene Chloride	2.812	84	713	0.266	ug/l #	78
31) Cyclohexane	5.556	56	4703	1.033	ug/l #	35
36) 1,1-Dichloropropene	5.568	75	16274	4.333	ug/l #	51
38) Carbon Tetrachloride	5.562	117	21422	5.344	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	72025	23.055	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	72025	59.399	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

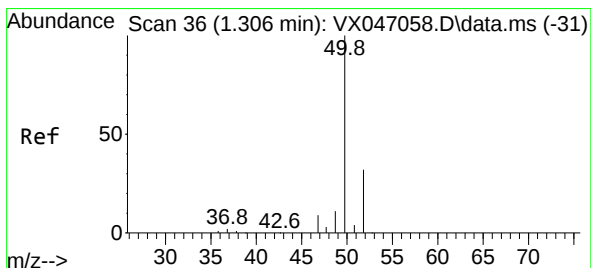
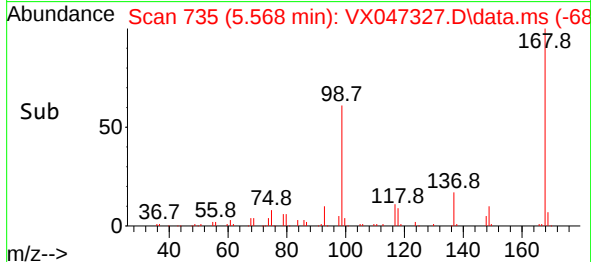
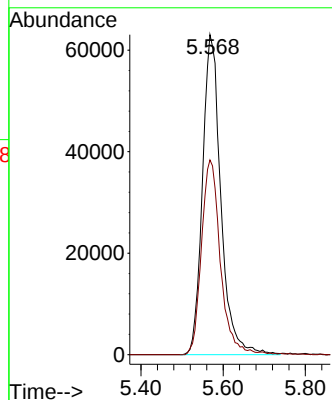
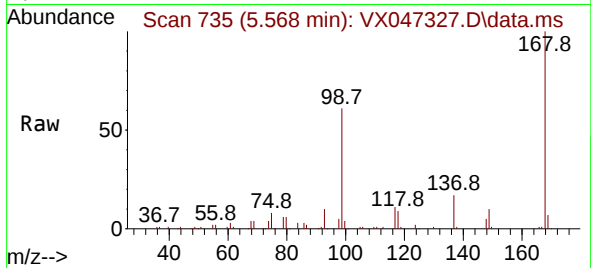




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

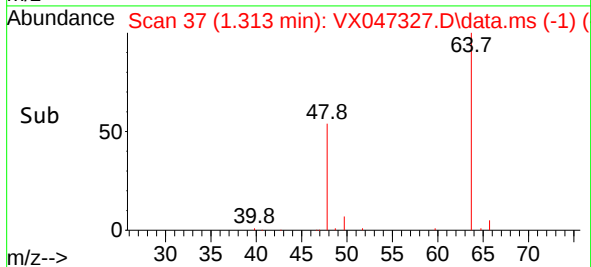
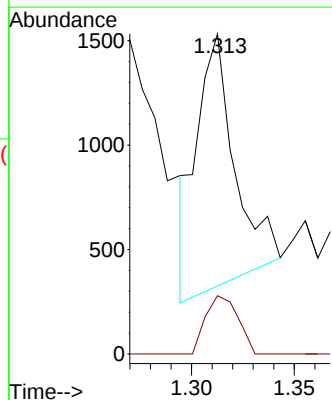
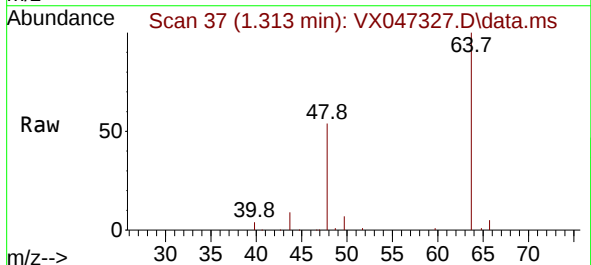
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-S

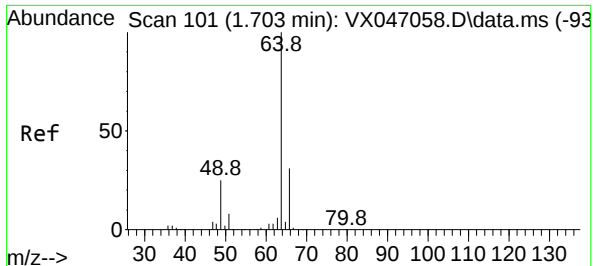
Tgt Ion:168 Resp: 195459
Ion Ratio Lower Upper
168 100
99 60.8 48.0 72.0



#3
Chloromethane
Concen: 0.611 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

Tgt Ion: 50 Resp: 1570
Ion Ratio Lower Upper
50 100
52 26.0 25.4 38.2

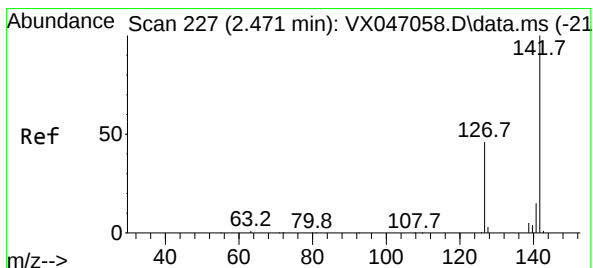
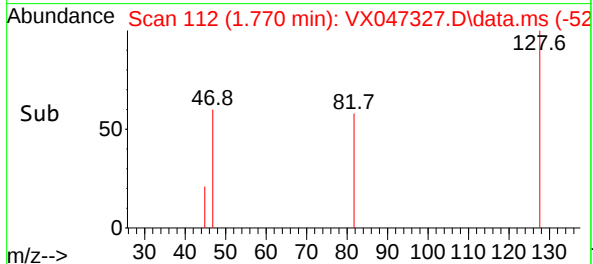
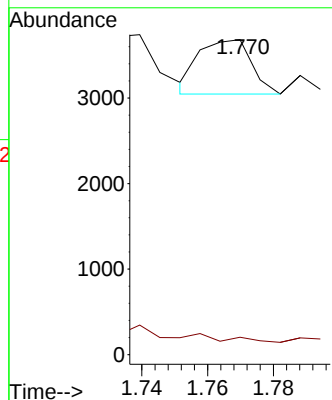
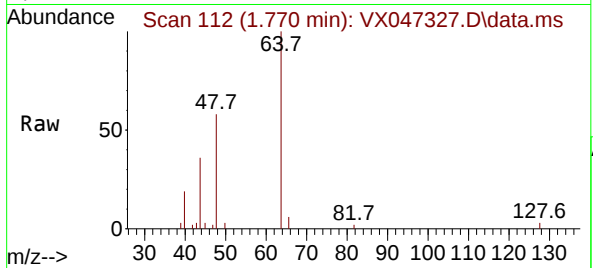




#6
Chloroethane
Concen: 0.388 ug/l
RT: 1.770 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

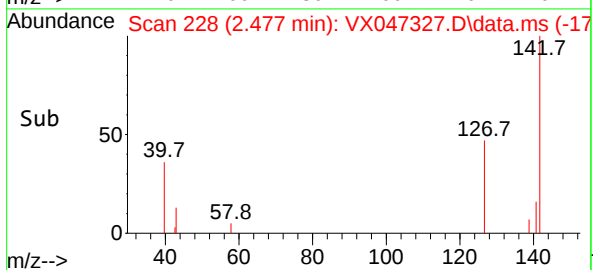
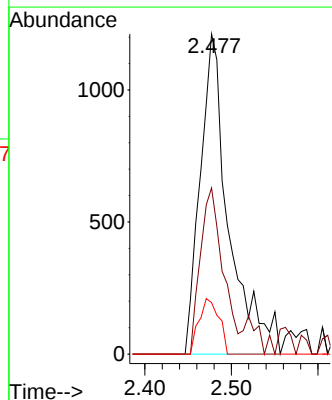
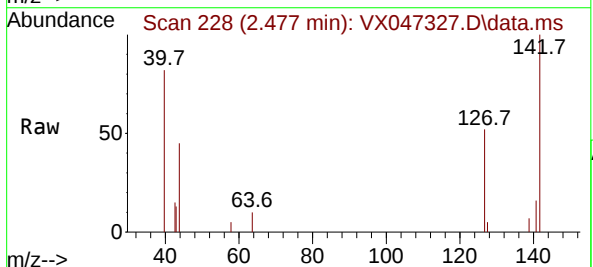
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-S

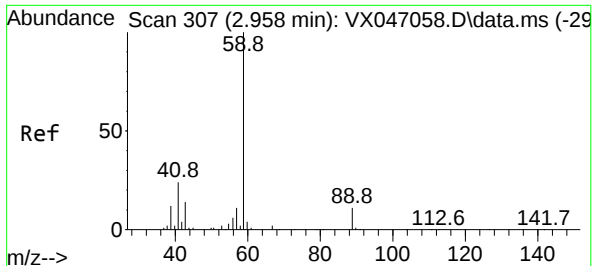
Tgt Ion: 64 Resp: 703
Ion Ratio Lower Upper
64 100
66 10.4 25.0 37.6#



#10
Methyl Iodide
Concen: 1.098 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

Tgt Ion:142 Resp: 2775
Ion Ratio Lower Upper
142 100
127 40.9 36.6 54.8
141 12.1 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: VX047327.D

Acq: 13 Aug 2025 16:57

Instrument :

MSVOA_X

ClientSampleId :

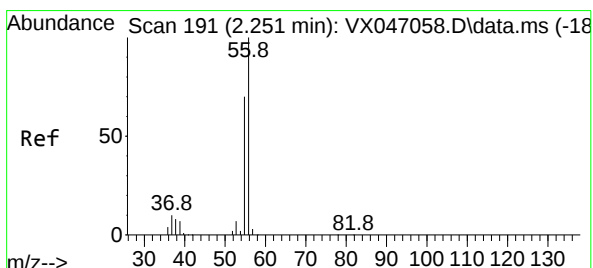
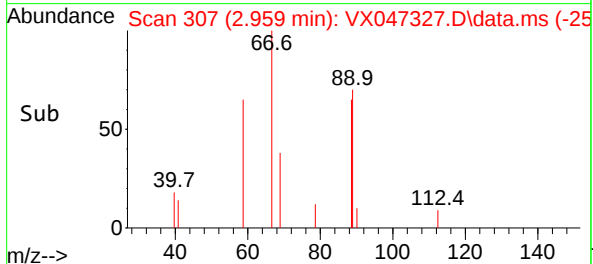
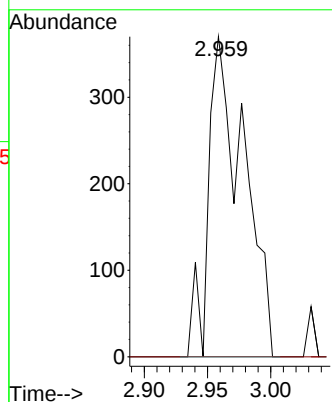
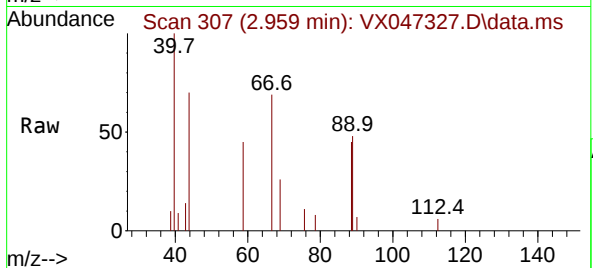
TW-10P-S

Tgt Ion: 59 Resp: 720

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.244 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.006 min

Lab File: VX047327.D

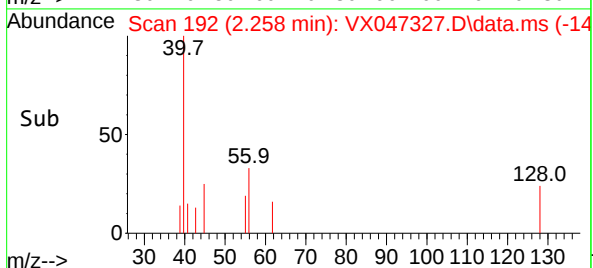
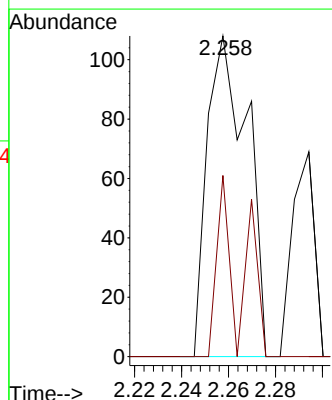
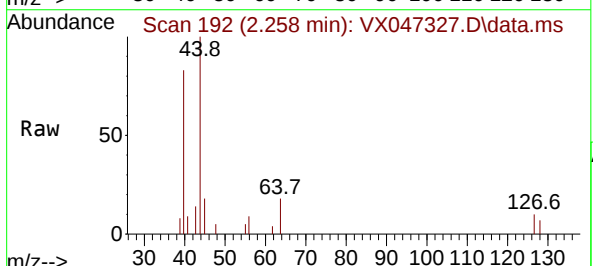
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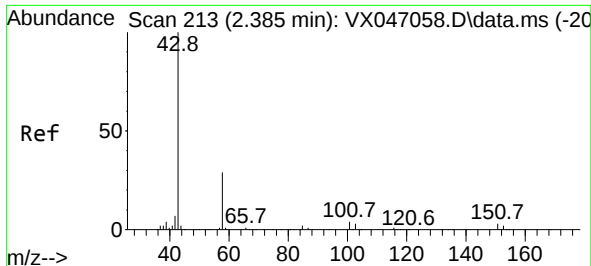
Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 32.8 55.7 83.5#

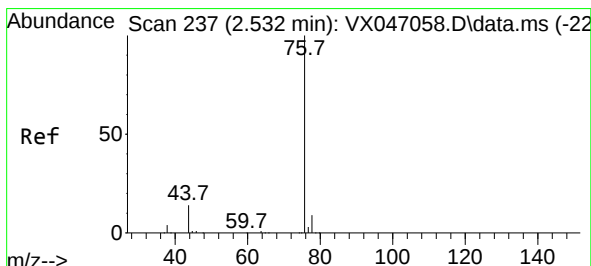
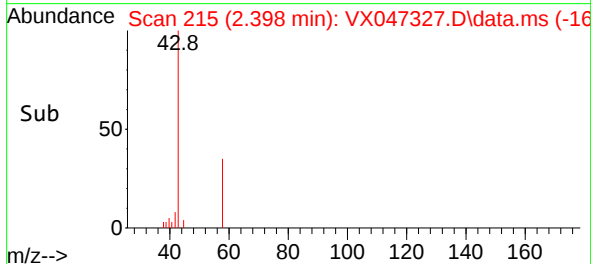
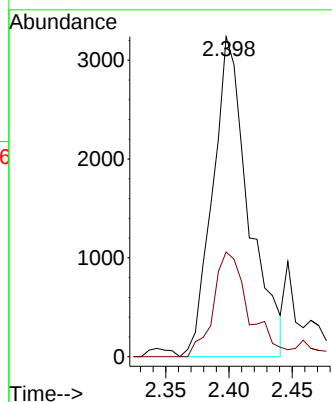
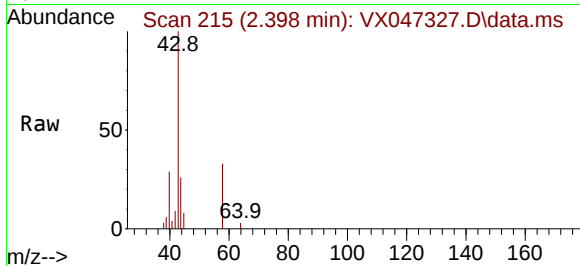




#16
Acetone
Concen: 6.530 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

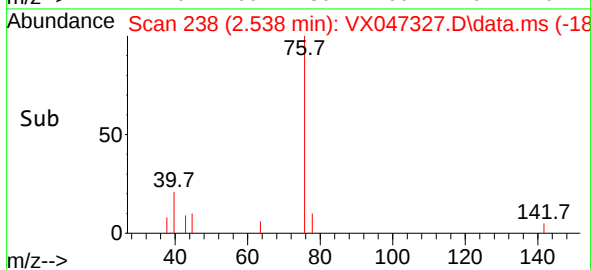
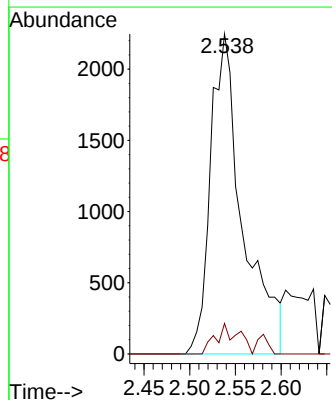
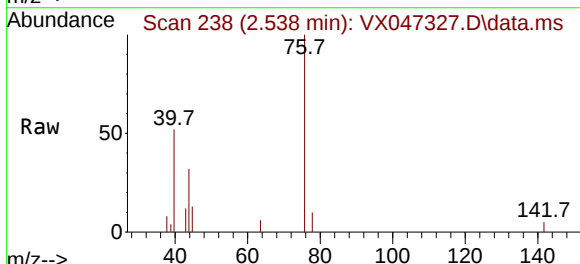
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-S

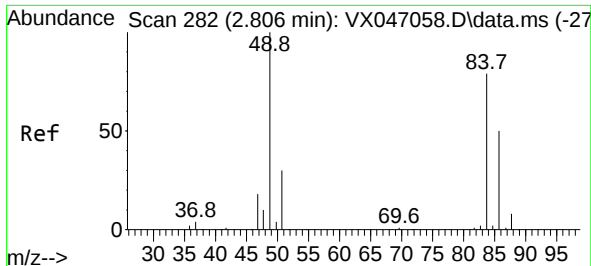
Tgt Ion: 43 Resp: 6369
Ion Ratio Lower Upper
43 100
58 28.9 24.0 36.0



#17
Carbon Disulfide
Concen: 0.774 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

Tgt Ion: 76 Resp: 5503
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4

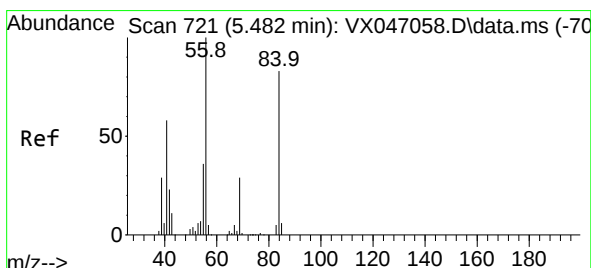
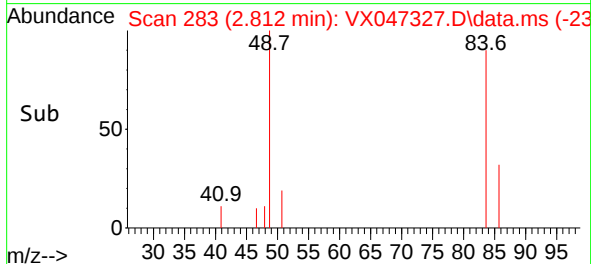
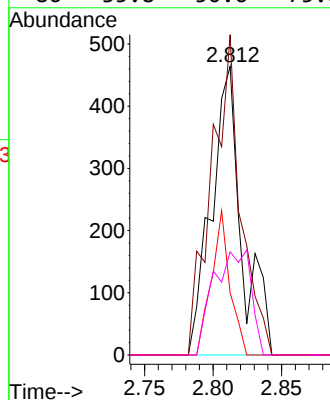
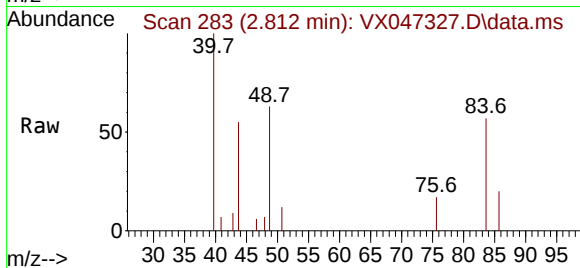




#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

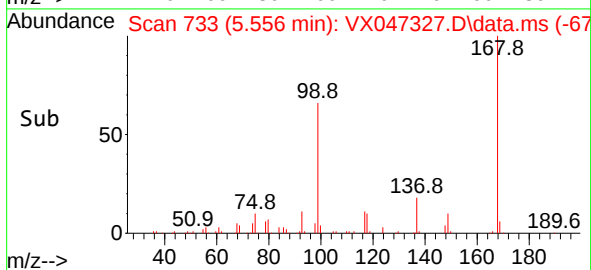
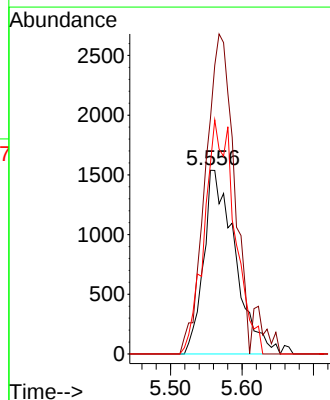
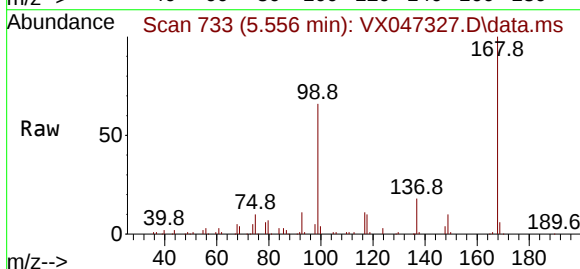
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-S

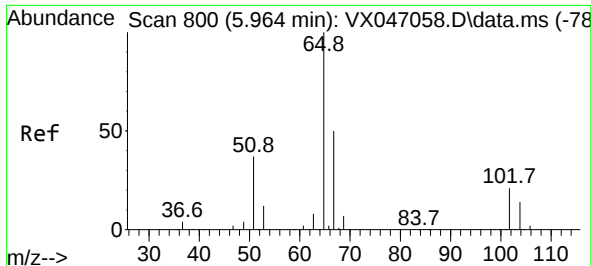
Tgt Ion:	84	Resp:	713
Ion	Ratio	Lower	Upper
84	100		
49	111.0	101.6	152.4
51	21.6	30.3	45.5#
86	35.8	50.6	75.8#



#31
Cyclohexane
Concen: 1.033 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

Tgt Ion:	56	Resp:	4703
Ion	Ratio	Lower	Upper
56	100		
69	128.2	23.3	34.9#
84	103.6	66.5	99.7#

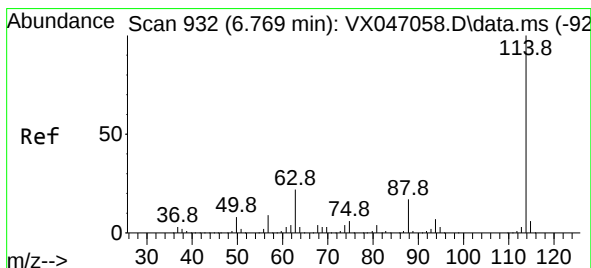
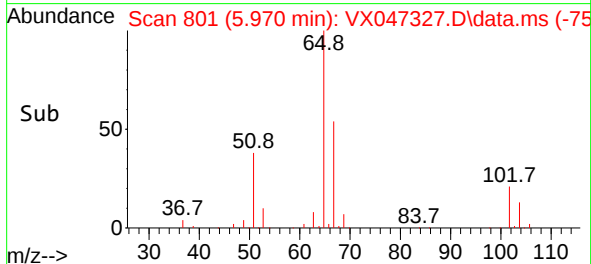
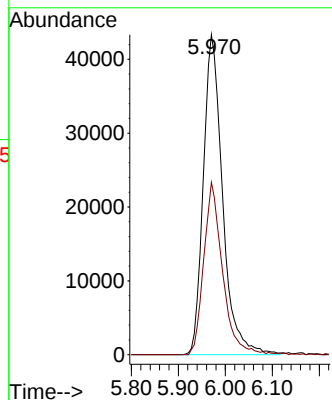
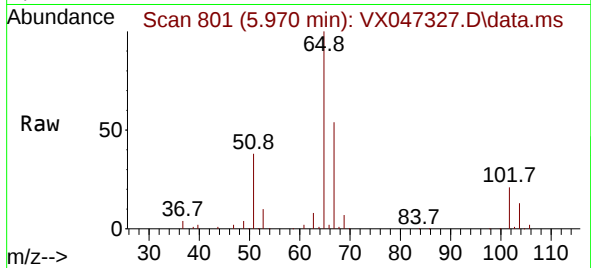




#33
 1,2-Dichloroethane-d4
 Concen: 50.632 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047327.D
 Acq: 13 Aug 2025 16:57

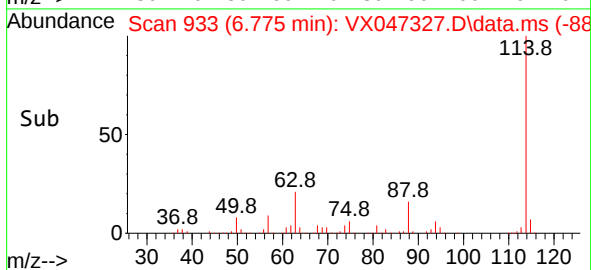
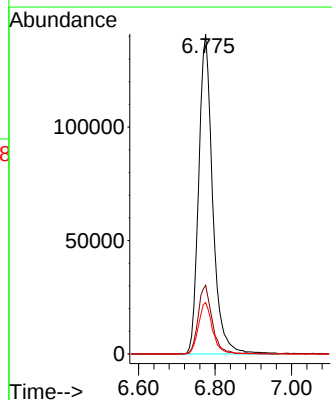
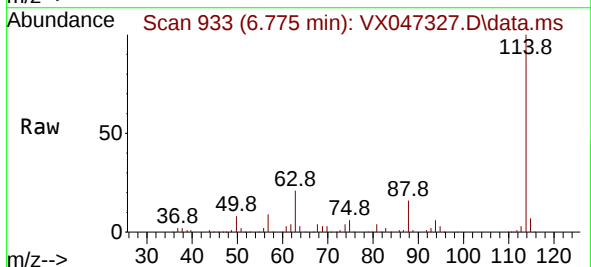
Instrument :
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 TW-10P-S

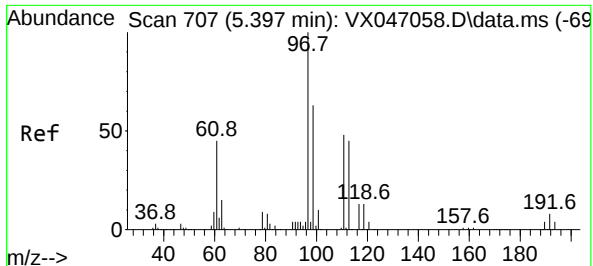
Tgt Ion: 65 Resp: 123278
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.006 min
 Lab File: VX047327.D
 Acq: 13 Aug 2025 16:57

Tgt Ion: 114 Resp: 356865
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 16.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.795 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047327.D

Acq: 13 Aug 2025 16:57

Instrument :

MSVOA_X

ClientSampleId :

TW-10P-S

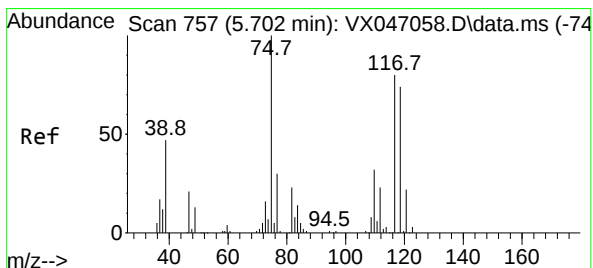
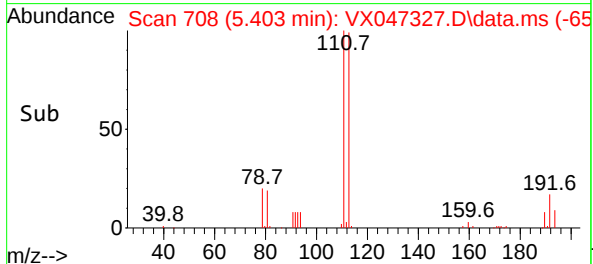
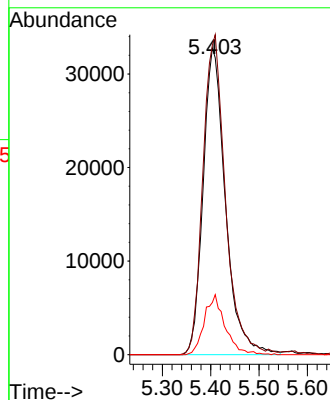
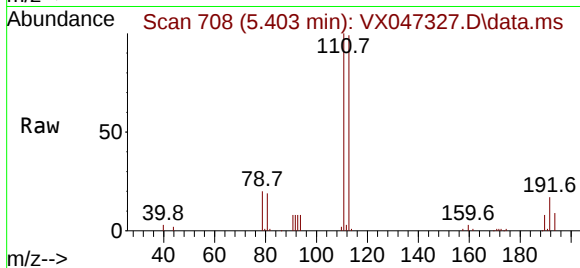
Tgt Ion:113 Resp: 105311

Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

192 18.1 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.333 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX047327.D

Acq: 13 Aug 2025 16:57

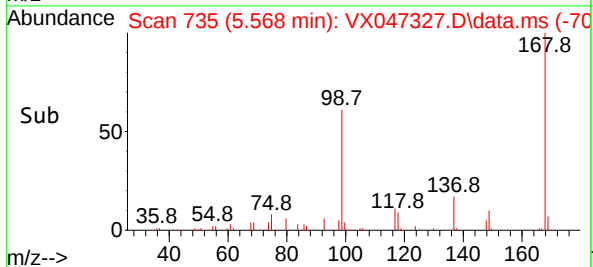
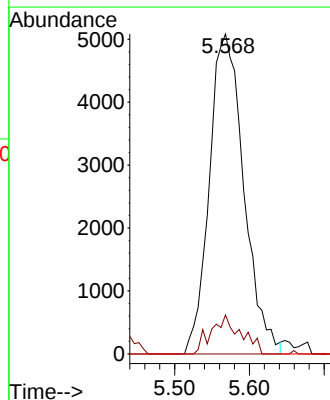
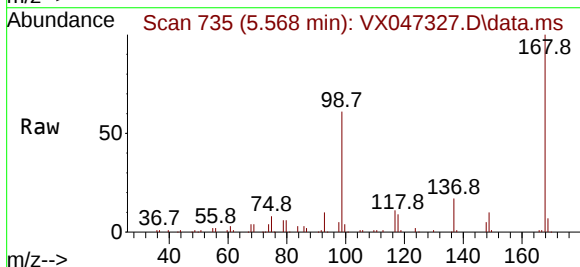
Tgt Ion: 75 Resp: 16274

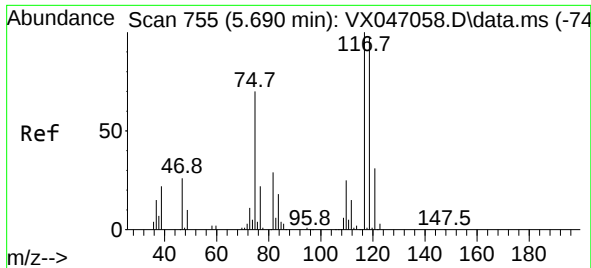
Ion Ratio Lower Upper

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110 10.4 17.2 51.5#

77 0.0 25.1 37.7#

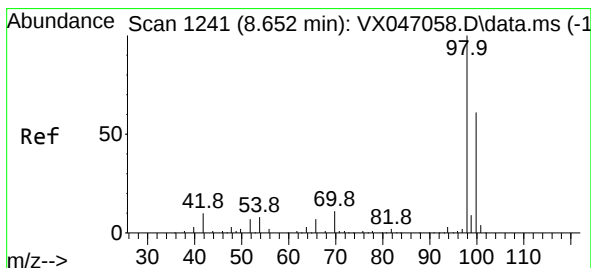
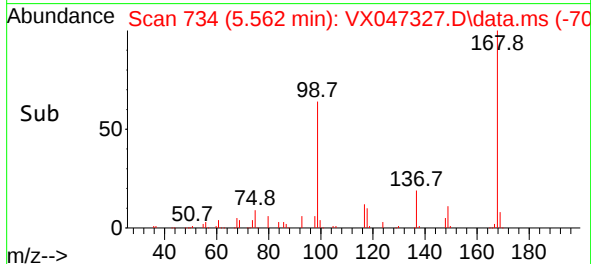
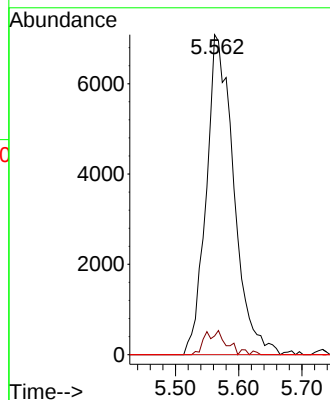
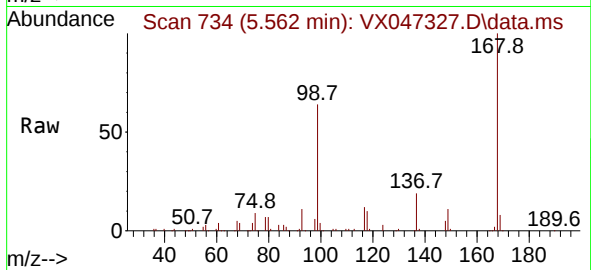




#38
Carbon Tetrachloride
Concen: 5.344 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

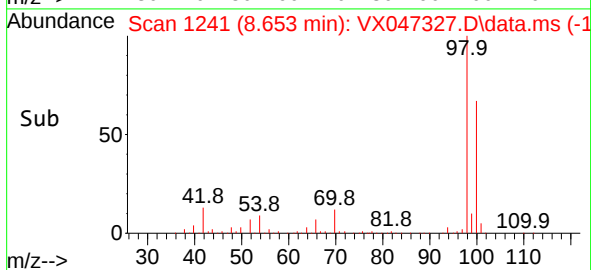
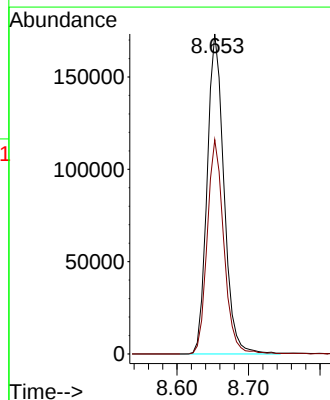
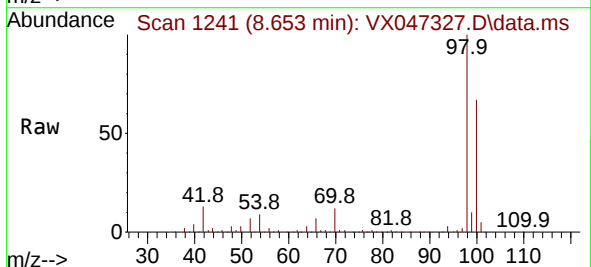
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-S

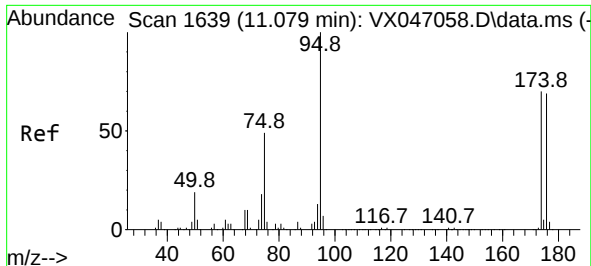
Tgt Ion:117 Resp: 21422
Ion Ratio Lower Upper
117 100
119 5.9 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 39.694 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

Tgt Ion: 98 Resp: 283241
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9

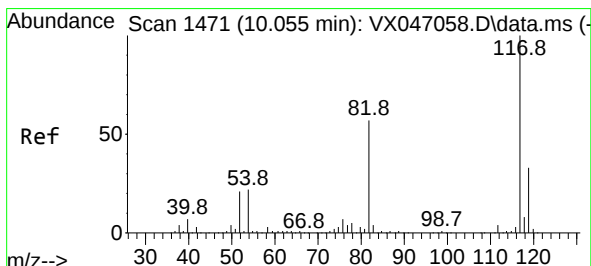
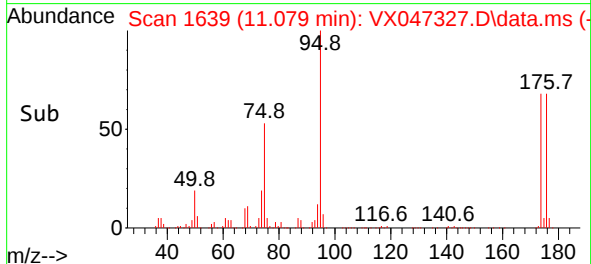
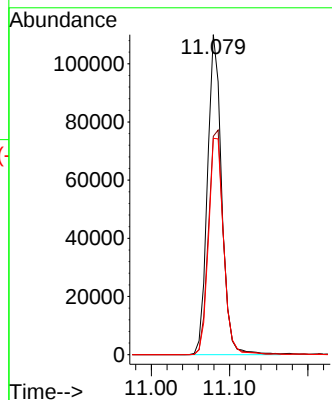
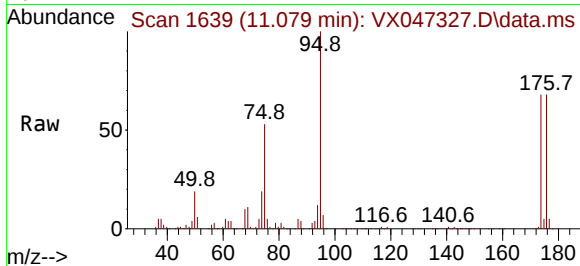




#62
4-Bromofluorobenzene
Concen: 44.956 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

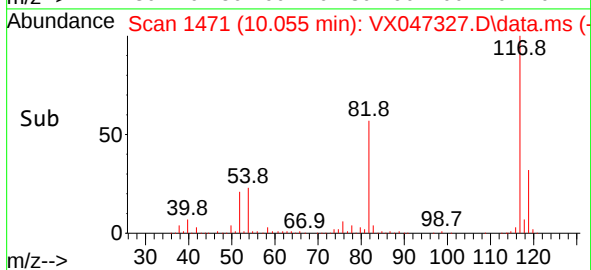
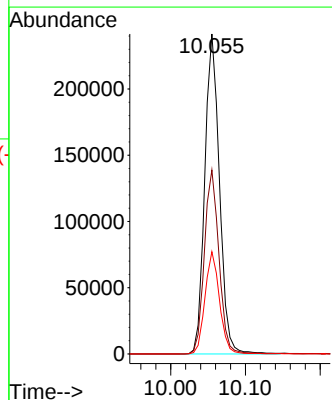
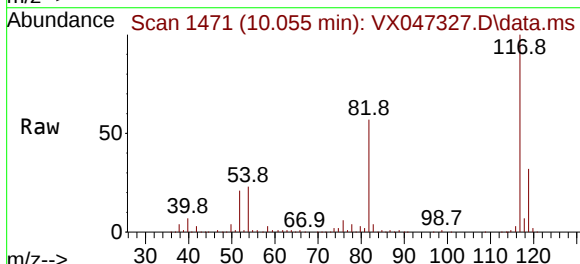
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-S

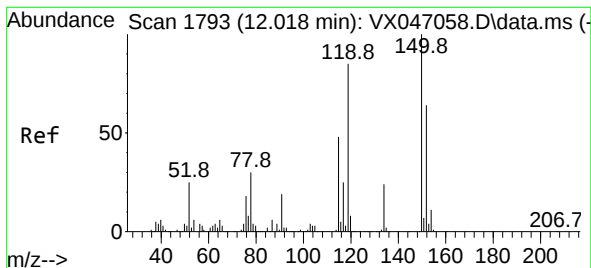
Tgt Ion: 95 Resp: 138244
Ion Ratio Lower Upper
95 100
174 74.2 0.0 144.6
176 71.9 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

Tgt Ion: 117 Resp: 329830
Ion Ratio Lower Upper
117 100
82 57.5 45.4 68.2
119 31.9 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047327.D

Acq: 13 Aug 2025 16:57

Instrument :

MSVOA_X

ClientSampleId :

TW-10P-S

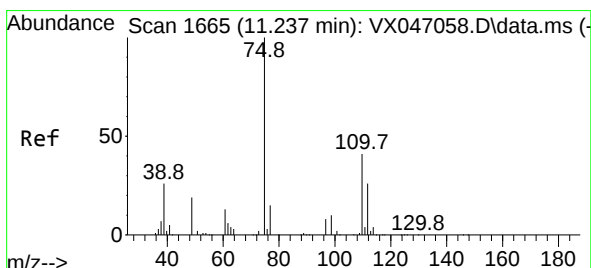
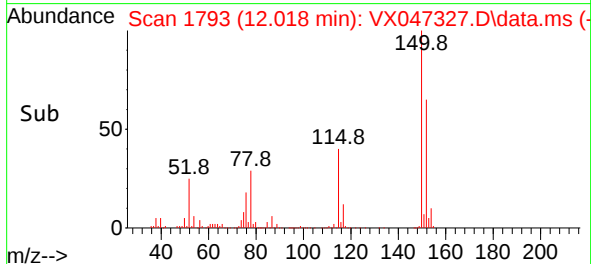
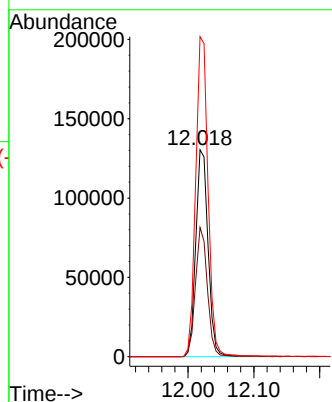
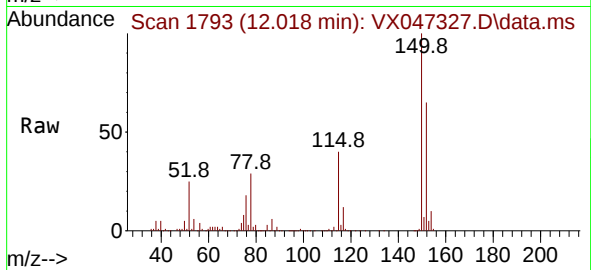
Tgt Ion:152 Resp: 168780

Ion Ratio Lower Upper

152 100

115 60.5 45.6 136.7

150 155.1 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 23.055 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047327.D

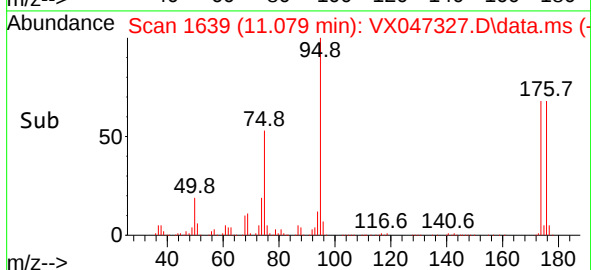
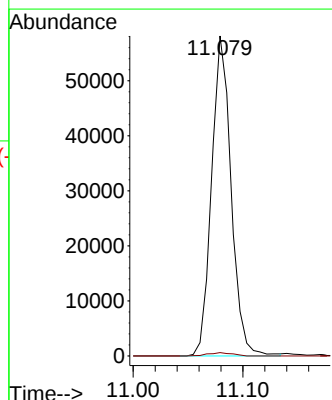
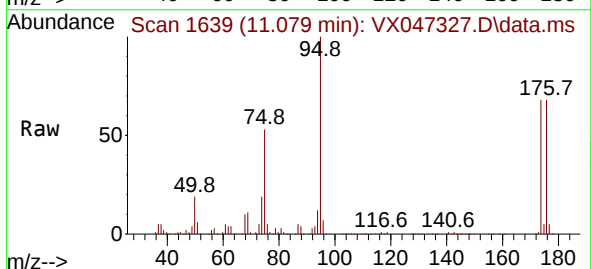
Acq: 13 Aug 2025 16:57

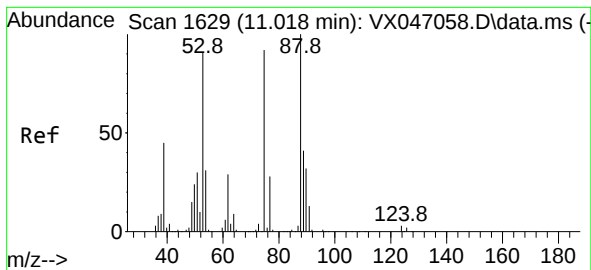
Tgt Ion: 75 Resp: 72025

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 59.399 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047327.D
Acq: 13 Aug 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
TW-10P-S

Tgt Ion: 75 Resp: 72025
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

