

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047297.D
 Acq On : 12 Aug 2025 15:18
 Operator : JC/MD
 Sample : Q2814-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-W

Quant Time: Aug 13 01:22:37 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)

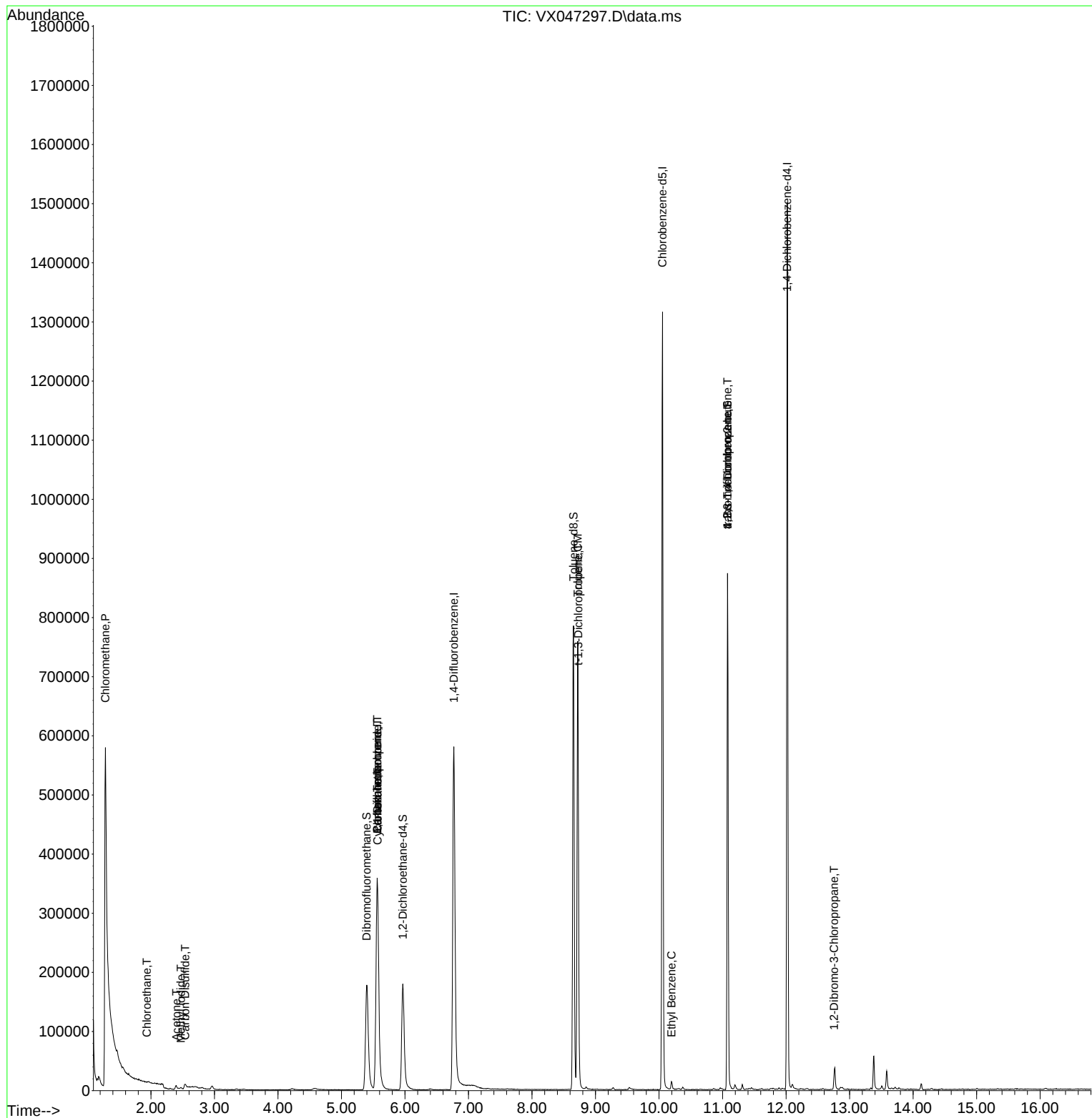
Internal Standards						
1) Pentafluorobenzene	5.562	168	362823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	637261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	569300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	291317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	190629	42.178	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.360%		
35) Dibromofluoromethane	5.397	113	170160	43.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.500%		
50) Toluene-d8	8.653	98	478891	37.583	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	75.160%#		
62) 4-Bromofluorobenzene	11.079	95	234682	42.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.480%		
Target Compounds						Qvalue
3) Chloromethane	1.282	50	23817	4.996	ug/l #	46
6) Chloroethane	1.935	64	2134	0.634	ug/l #	86
10) Methyl Iodide	2.471	142	3825	0.815	ug/l #	87
11) Tert butyl alcohol	2.959	59	2635	Below Cal	#	77
16) Acetone	2.398	43	9967	5.505	ug/l #	87
17) Carbon Disulfide	2.538	76	18403	1.395	ug/l #	76
31) Cyclohexane	5.568	56	7678	0.909	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	29929	4.462	ug/l #	51
38) Carbon Tetrachloride	5.562	117	38296	5.350	ug/l #	18
52) Toluene	8.720	92	293648	24.604	ug/l	98
53) t-1,3-Dichloropropene	8.726	75	3234	0.472	ug/l #	1
67) Ethyl Benzene	10.195	91	7896	0.339	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	121128	22.464	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	121128	57.876	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	310	0.246	ug/l #	2

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

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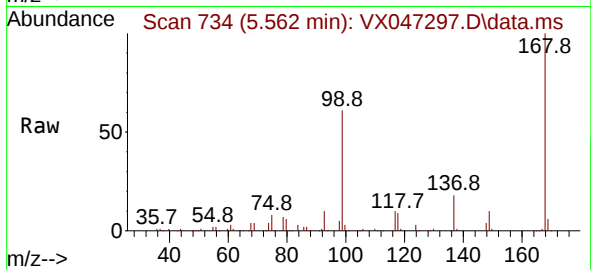
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
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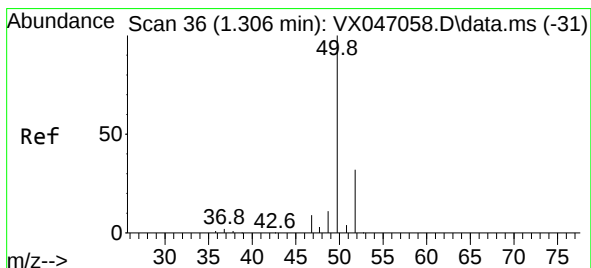
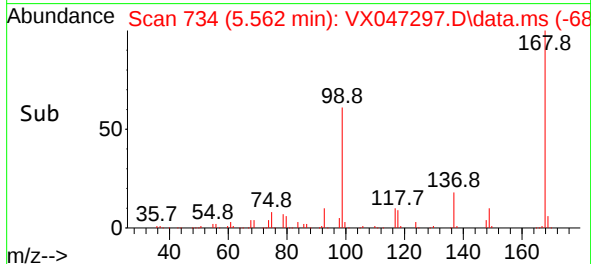
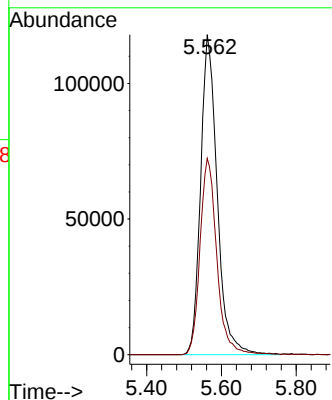


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

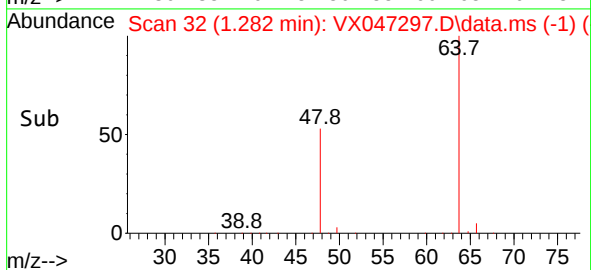
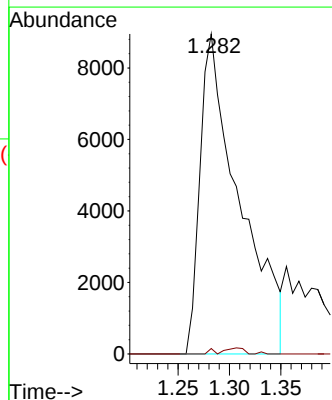
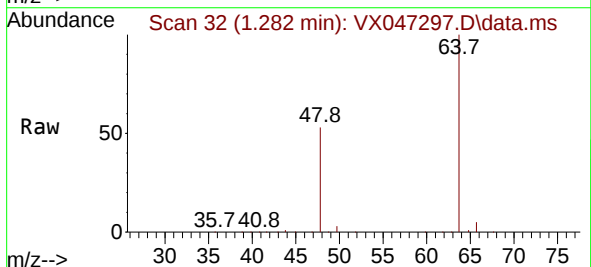


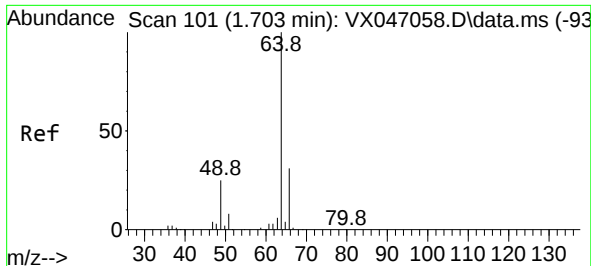
Tgt Ion:168 Resp: 362823
Ion Ratio Lower Upper
168 100
99 61.3 48.0 72.0



#3
Chloromethane
Concen: 4.996 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.024 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 50 Resp: 23817
Ion Ratio Lower Upper
50 100
52 1.7 25.4 38.2#





#6

Chloroethane

Concen: 0.634 ug/l

RT: 1.935 min Scan# 11

Delta R.T. 0.232 min

Lab File: VX047297.D

Acq: 12 Aug 2025 15:18

Instrument :

MSVOA_X

ClientSampleId :

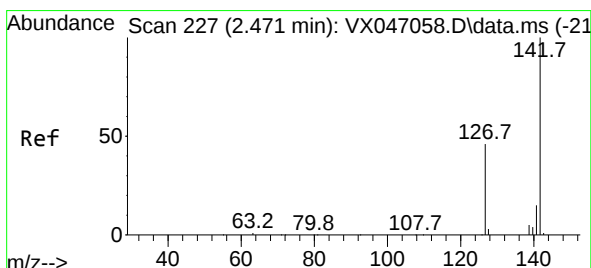
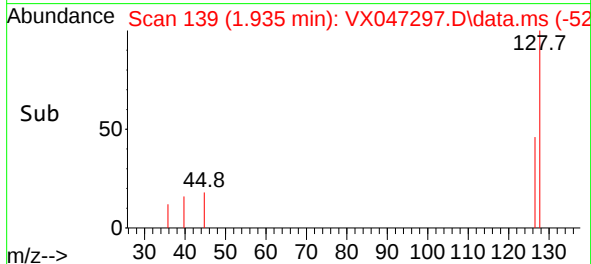
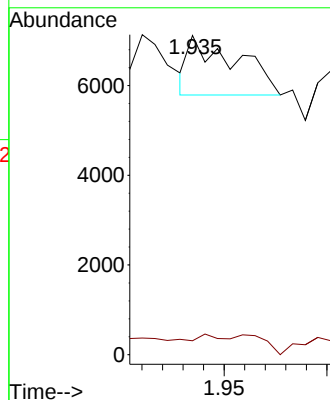
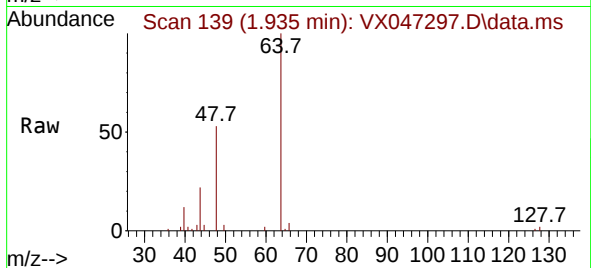
TW-82H-W

Tgt Ion: 64 Resp: 2134

Ion Ratio Lower Upper

64 100

66 23.5 25.0 37.6#



#10

Methyl Iodide

Concen: 0.815 ug/l

RT: 2.471 min Scan# 227

Delta R.T. 0.000 min

Lab File: VX047297.D

Acq: 12 Aug 2025 15:18

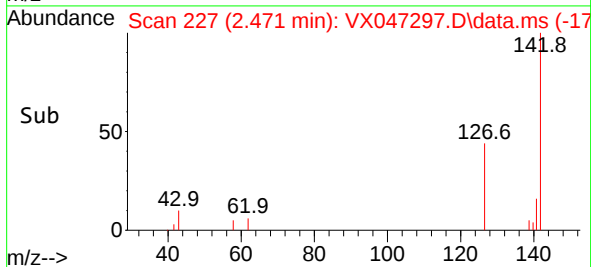
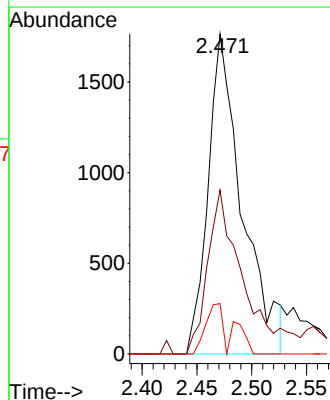
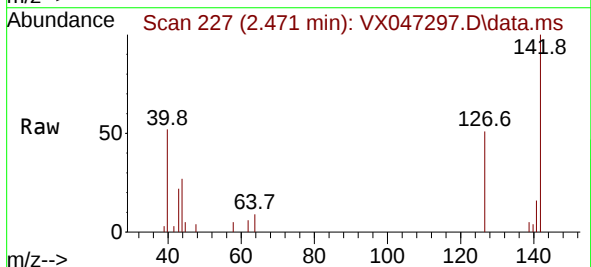
Tgt Ion: 142 Resp: 3825

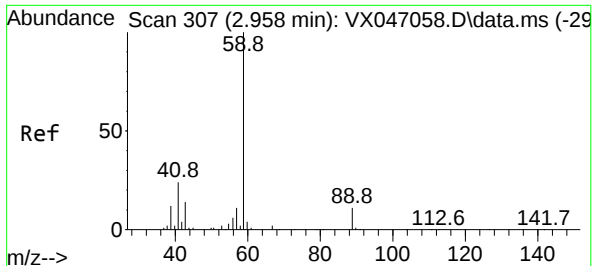
Ion Ratio Lower Upper

142 100

127 53.7 36.6 54.8

141 7.6 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: VX047297.D

Acq: 12 Aug 2025 15:18

Instrument :

MSVOA_X

ClientSampleId :

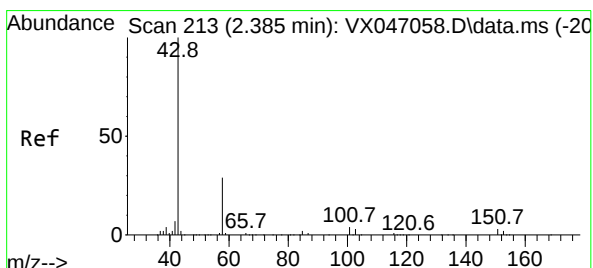
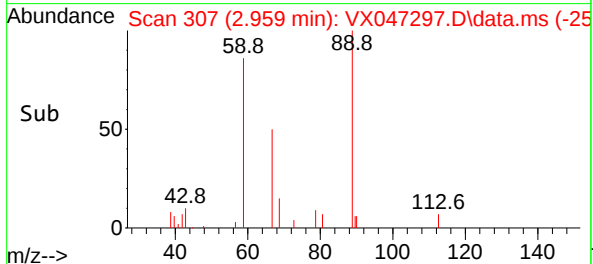
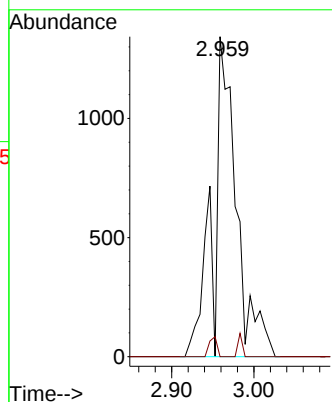
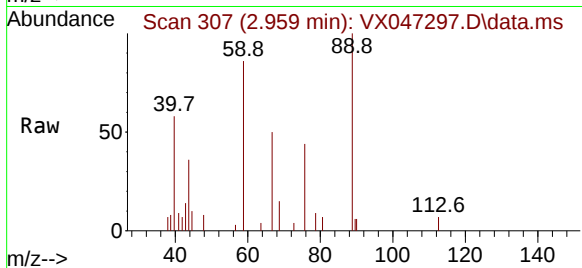
TW-82H-W

Tgt Ion: 59 Resp: 2635

Ion Ratio Lower Upper

59 100

57 2.1 8.5 12.7#



#16

Acetone

Concen: 5.505 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.013 min

Lab File: VX047297.D

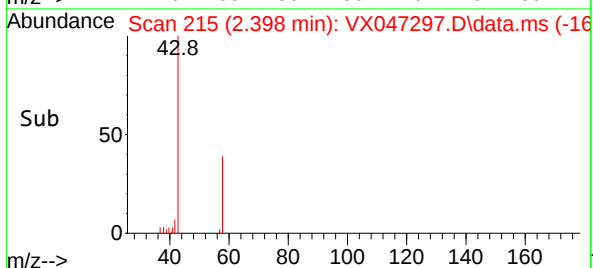
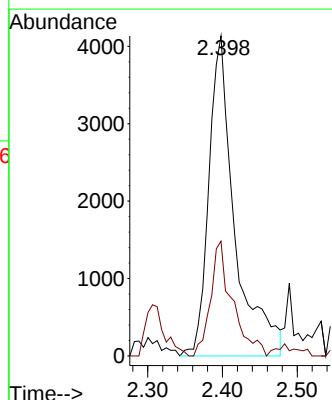
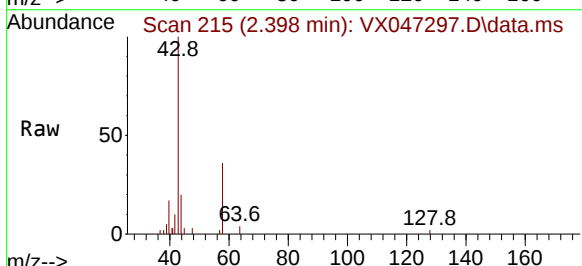
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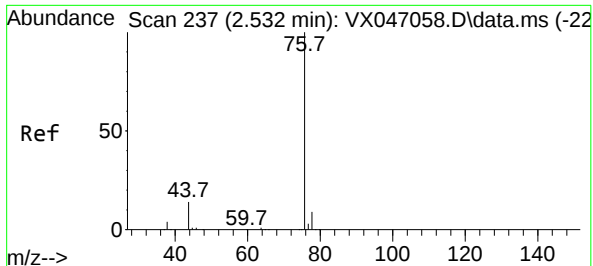
Tgt Ion: 43 Resp: 9967

Ion Ratio Lower Upper

43 100

58 36.8 24.0 36.0#

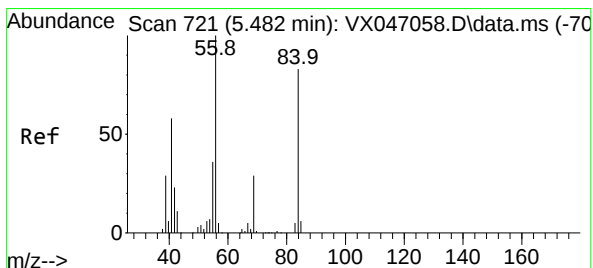
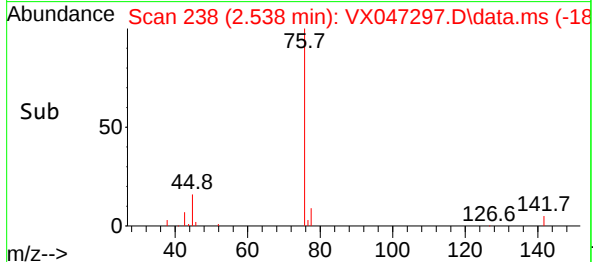
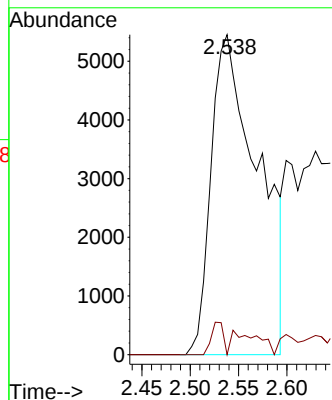
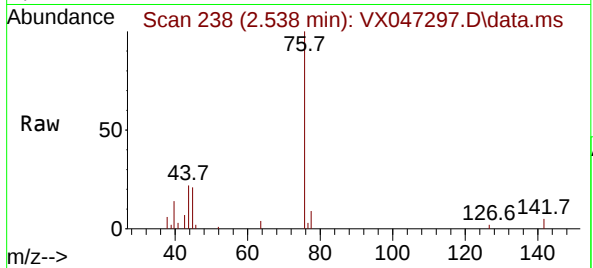




#17
Carbon Disulfide
Concen: 1.395 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

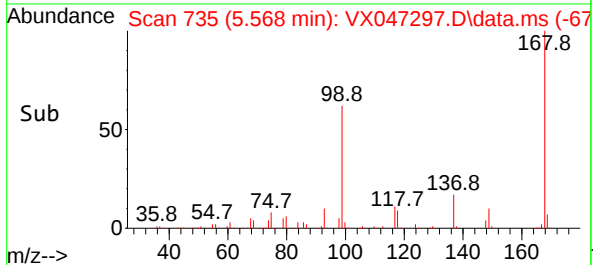
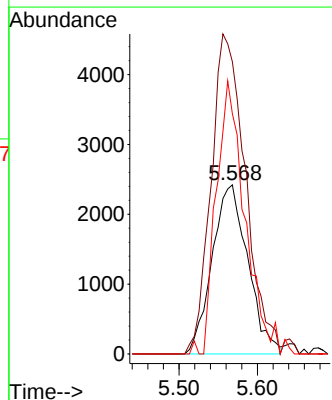
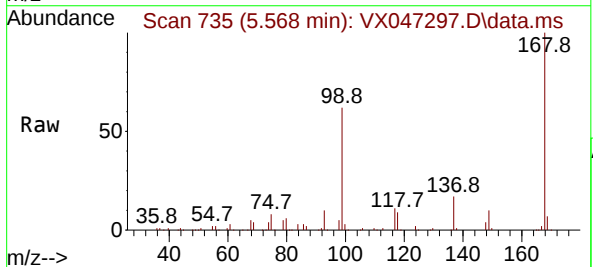
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

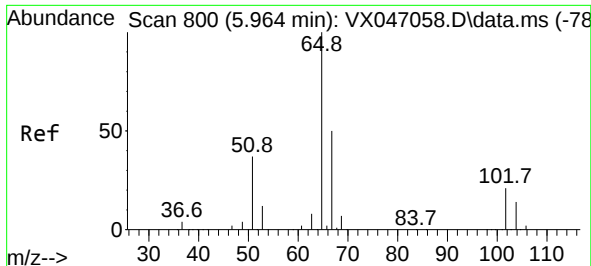
Tgt Ion: 76 Resp: 18403
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#31
Cyclohexane
Concen: 0.909 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.086 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 56 Resp: 7678
Ion Ratio Lower Upper
56 100
69 172.8 23.3 34.9#
84 142.1 66.5 99.7#

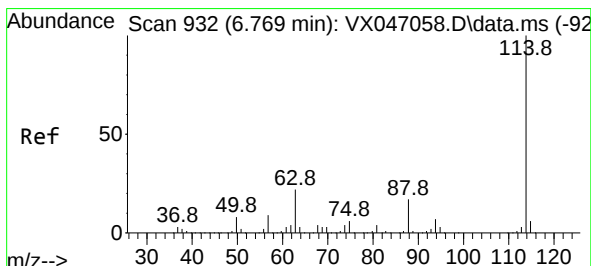
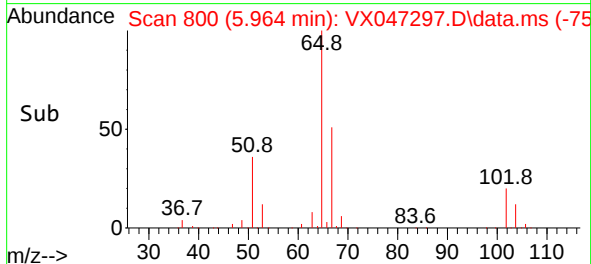
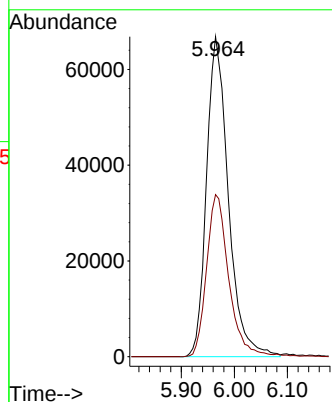
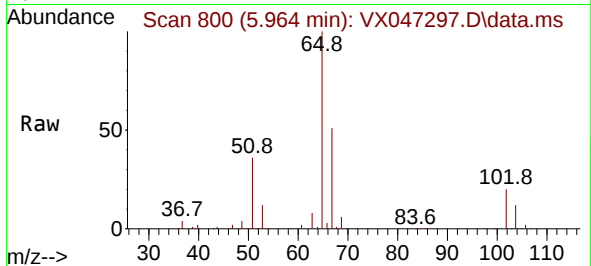




#33
 1,2-Dichloroethane-d4
 Concen: 42.178 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047297.D
 Acq: 12 Aug 2025 15:18

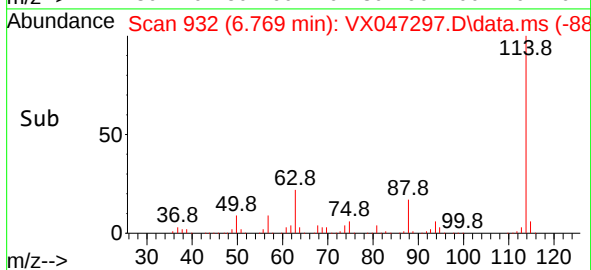
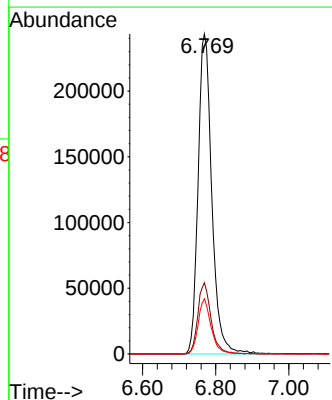
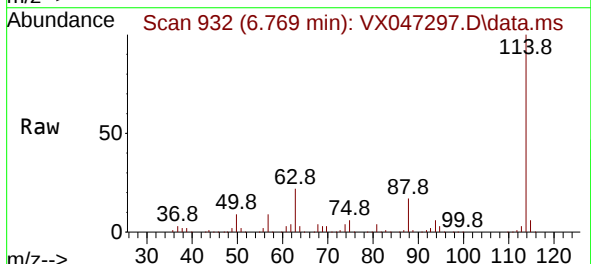
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-W

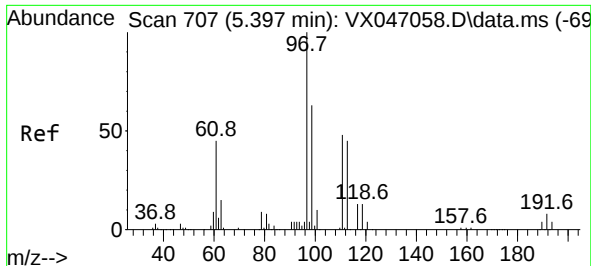
Tgt Ion: 65 Resp: 190629
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047297.D
 Acq: 12 Aug 2025 15:18

Tgt Ion: 114 Resp: 637261
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 17.3 0.0 33.8

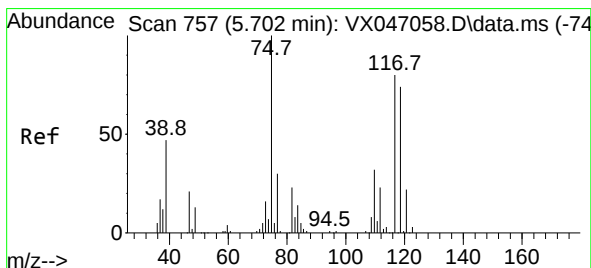
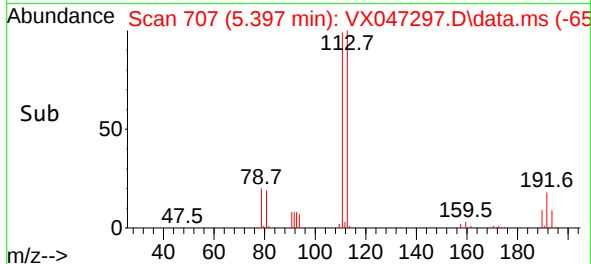
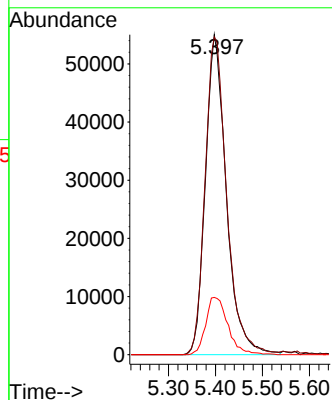
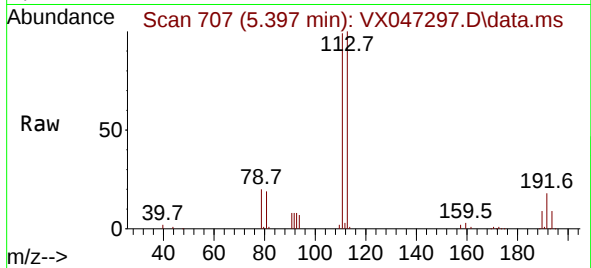




#35
Dibromofluoromethane
Concen: 43.246 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

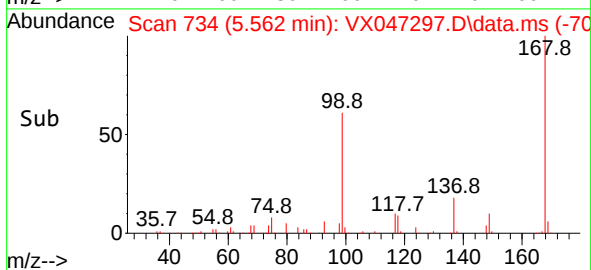
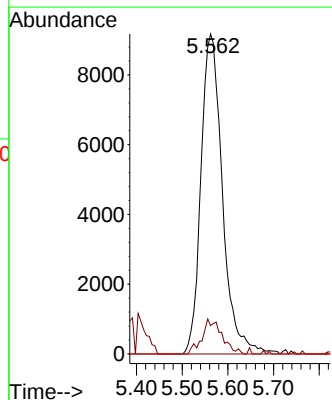
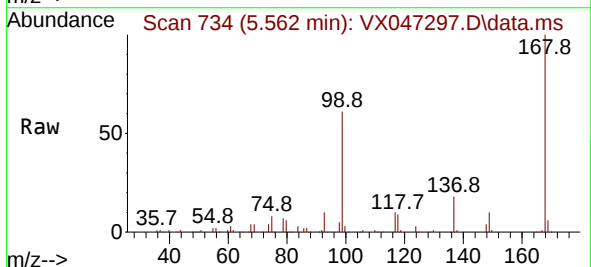
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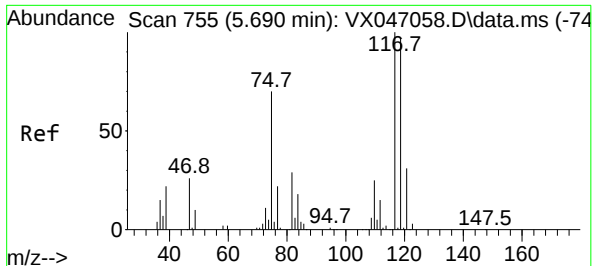
Tgt Ion:113 Resp: 170160
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 19.0 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.462 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 75 Resp: 29929
Ion Ratio Lower Upper
75 100
110 10.1 17.2 51.5#
77 0.0 25.1 37.7#

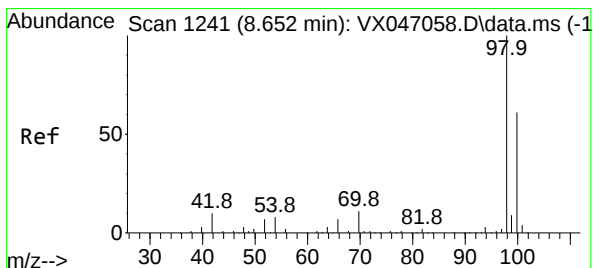
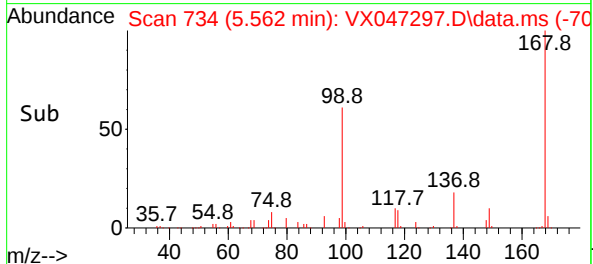
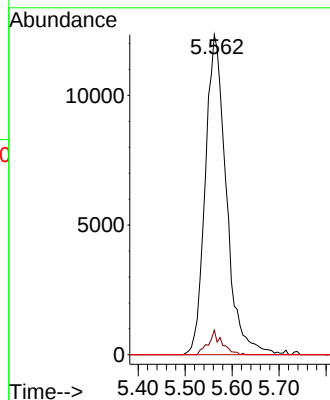
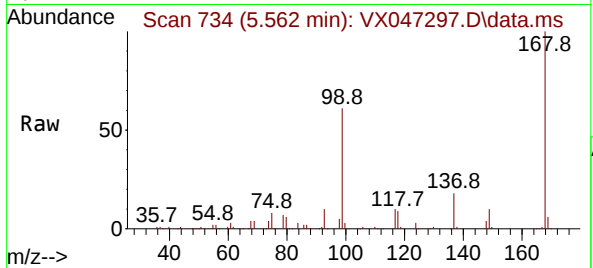




#38
Carbon Tetrachloride
Concen: 5.350 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

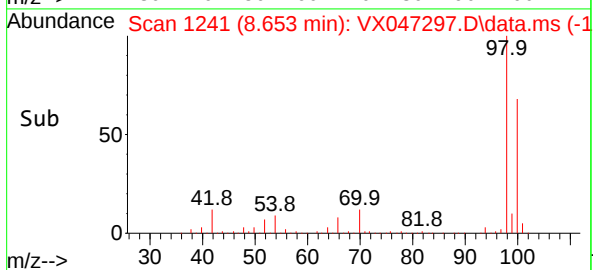
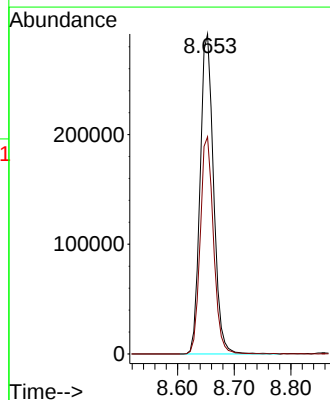
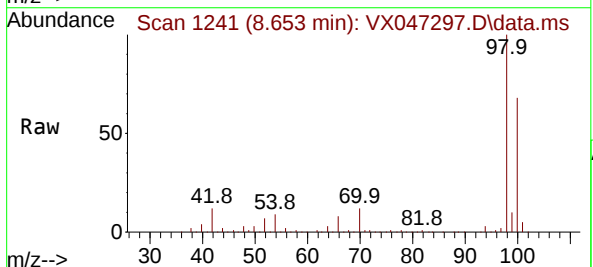
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

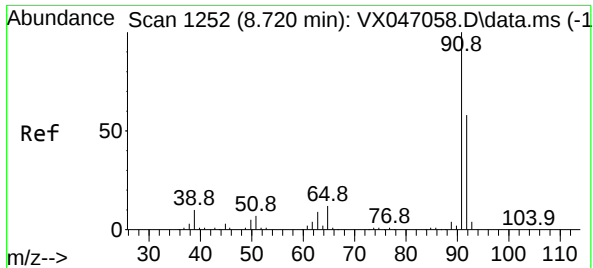
Tgt Ion:117 Resp: 38296
Ion Ratio Lower Upper
117 100
119 7.7 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 37.583 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 98 Resp: 478891
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9

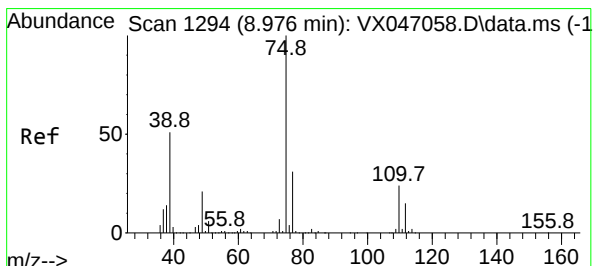
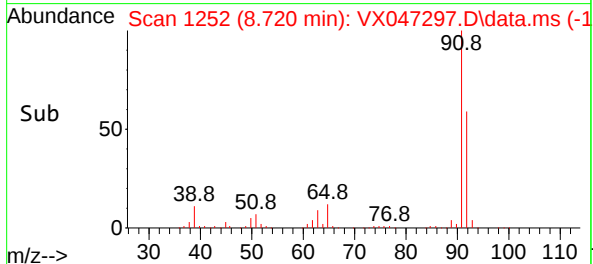
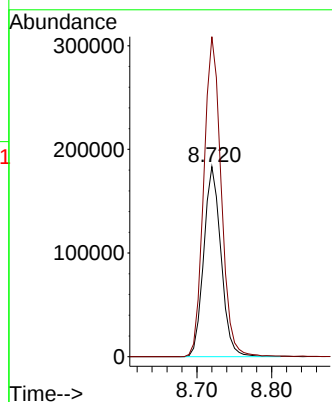
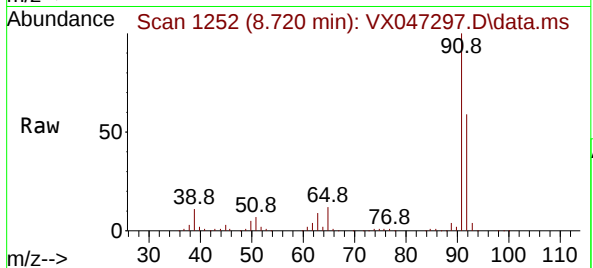




#52
Toluene
Concen: 24.604 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

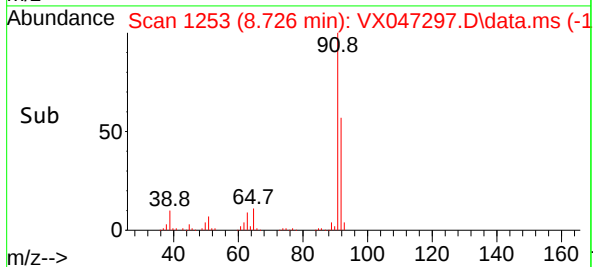
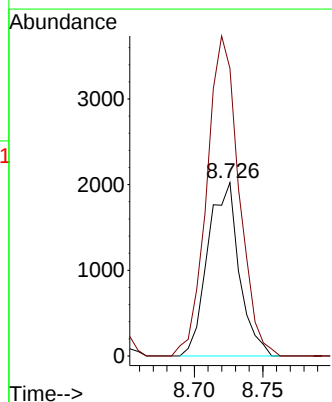
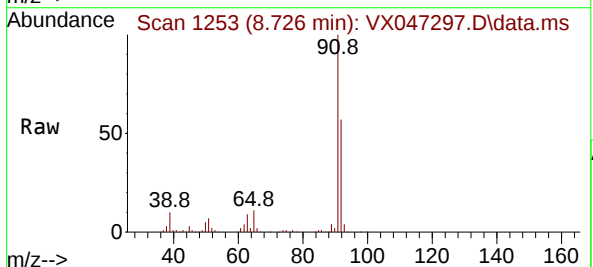
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

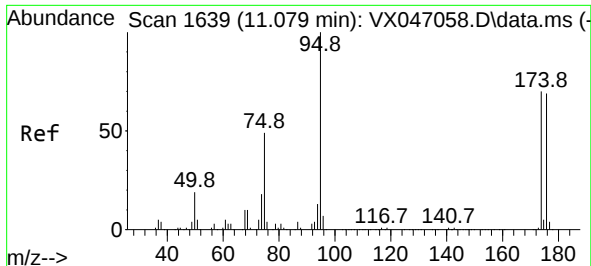
Tgt Ion: 92 Resp: 293648
Ion Ratio Lower Upper
92 100
91 170.0 137.9 206.9



#53
t-1,3-Dichloropropene
Concen: 0.472 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.250 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 75 Resp: 3234
Ion Ratio Lower Upper
75 100
77 165.8 24.5 36.7#

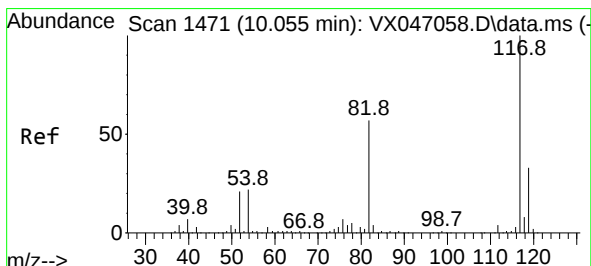
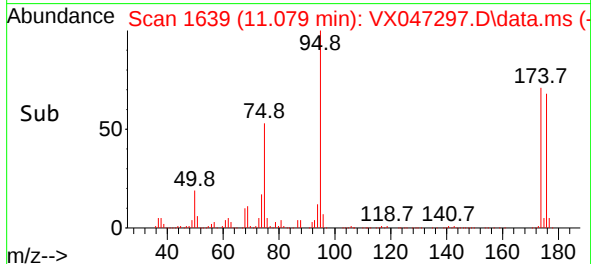
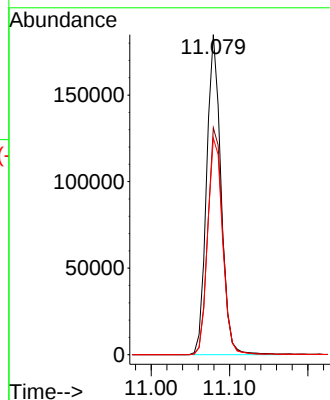
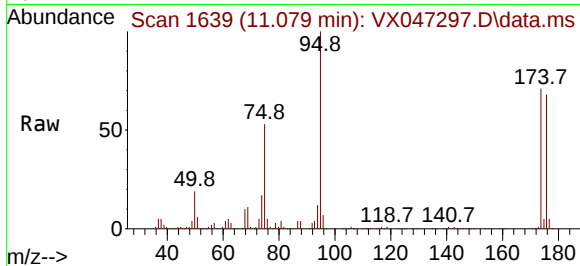




#62
4-Bromofluorobenzene
Concen: 42.738 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

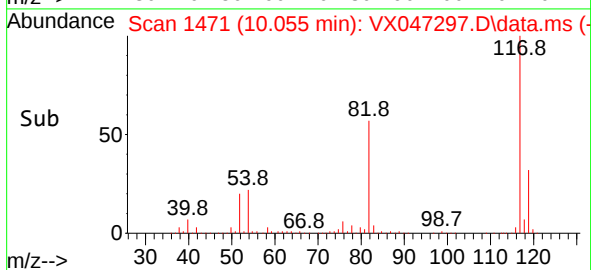
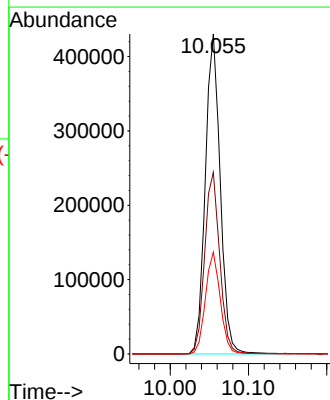
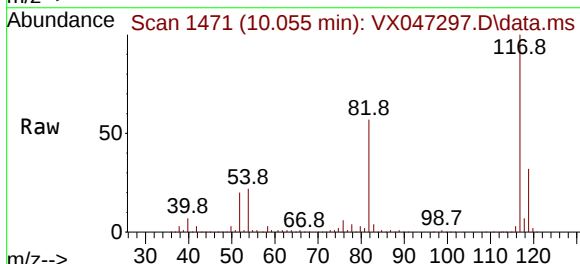
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

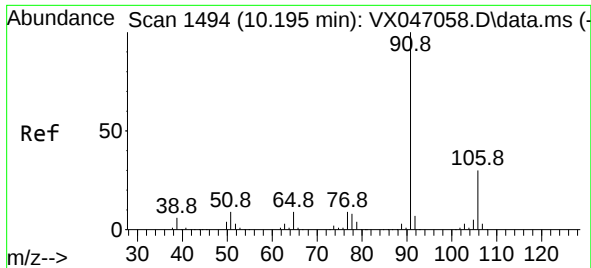
Tgt Ion: 95 Resp: 234682
Ion Ratio Lower Upper
95 100
174 73.7 0.0 144.6
176 70.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 117 Resp: 569300
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 31.8 26.1 39.1

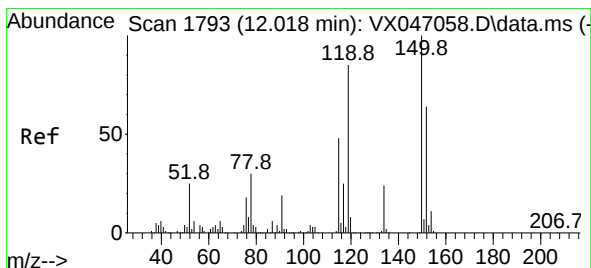
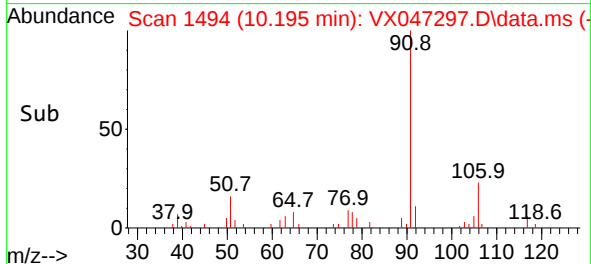
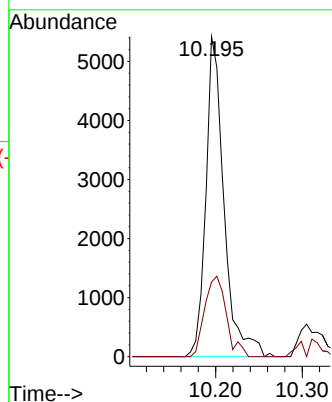
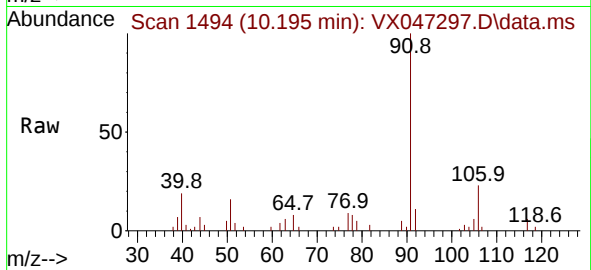




#67
Ethyl Benzene
Concen: 0.339 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

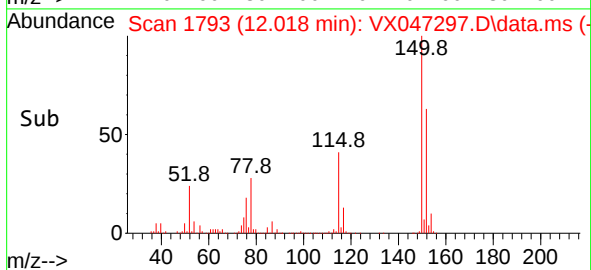
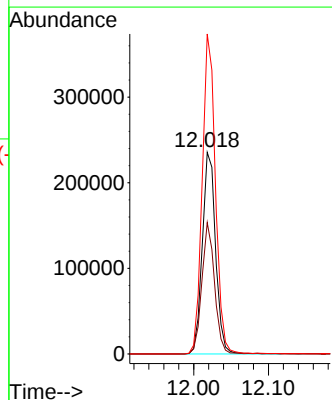
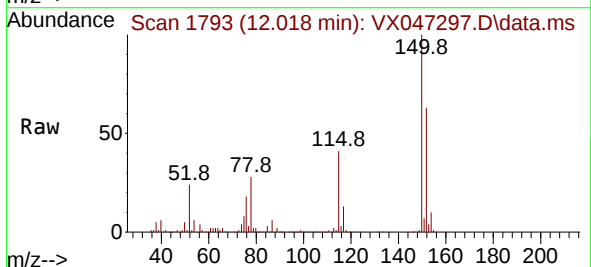
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

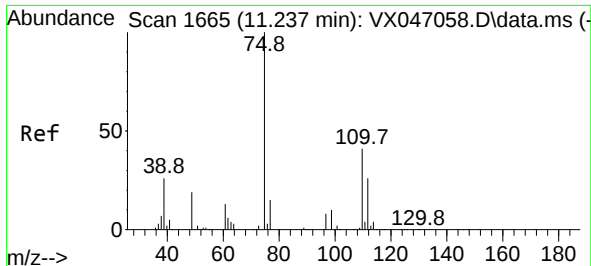
Tgt Ion: 91 Resp: 7896
Ion Ratio Lower Upper
91 100
106 25.1 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion:152 Resp: 291317
Ion Ratio Lower Upper
152 100
115 62.3 45.6 136.7
150 157.5 0.0 354.6

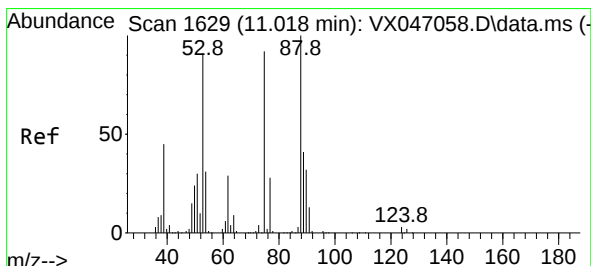
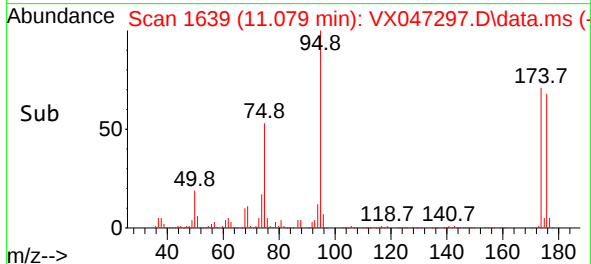
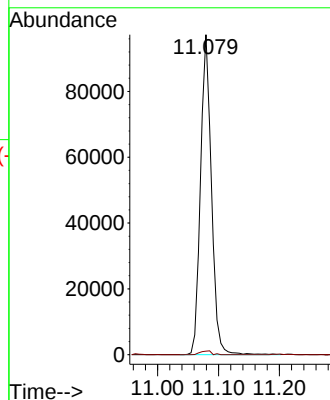
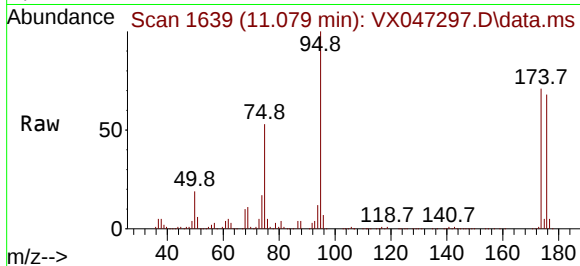




#76
1,2,3-Trichloropropane
Concen: 22.464 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

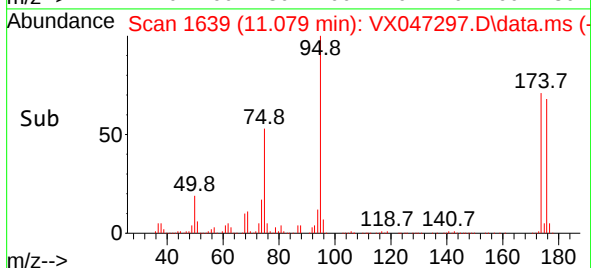
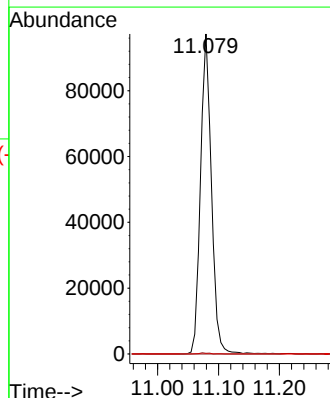
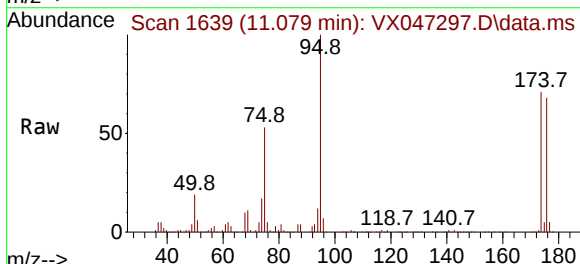
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

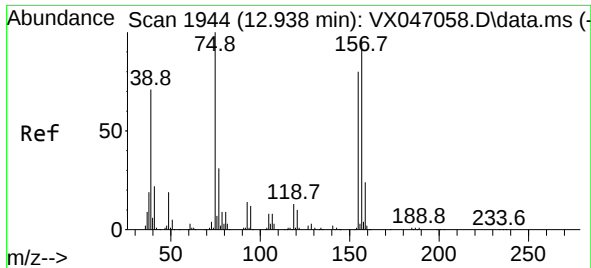
Tgt Ion: 75 Resp: 121128
Ion Ratio Lower Upper
75 100
77 1.2 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.876 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

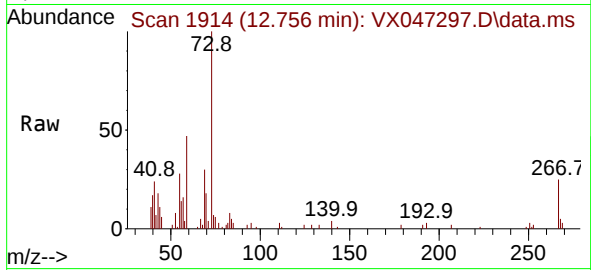
Tgt Ion: 75 Resp: 121128
Ion Ratio Lower Upper
75 100
53 0.3 84.2 126.4#
89 0.0 36.0 54.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.246 ug/l
 RT: 12.756 min Scan# 1914
 Delta R.T. -0.183 min
 Lab File: VX047297.D
 Acq: 12 Aug 2025 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-W



Tgt Ion: 75 Resp: 310
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.3 124.1#
 157 0.0 52.8 158.3#

