

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047316.D
 Acq On : 13 Aug 2025 12:57
 Operator : JC/MD
 Sample : Q2814-21RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Aug 14 03:27:42 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)

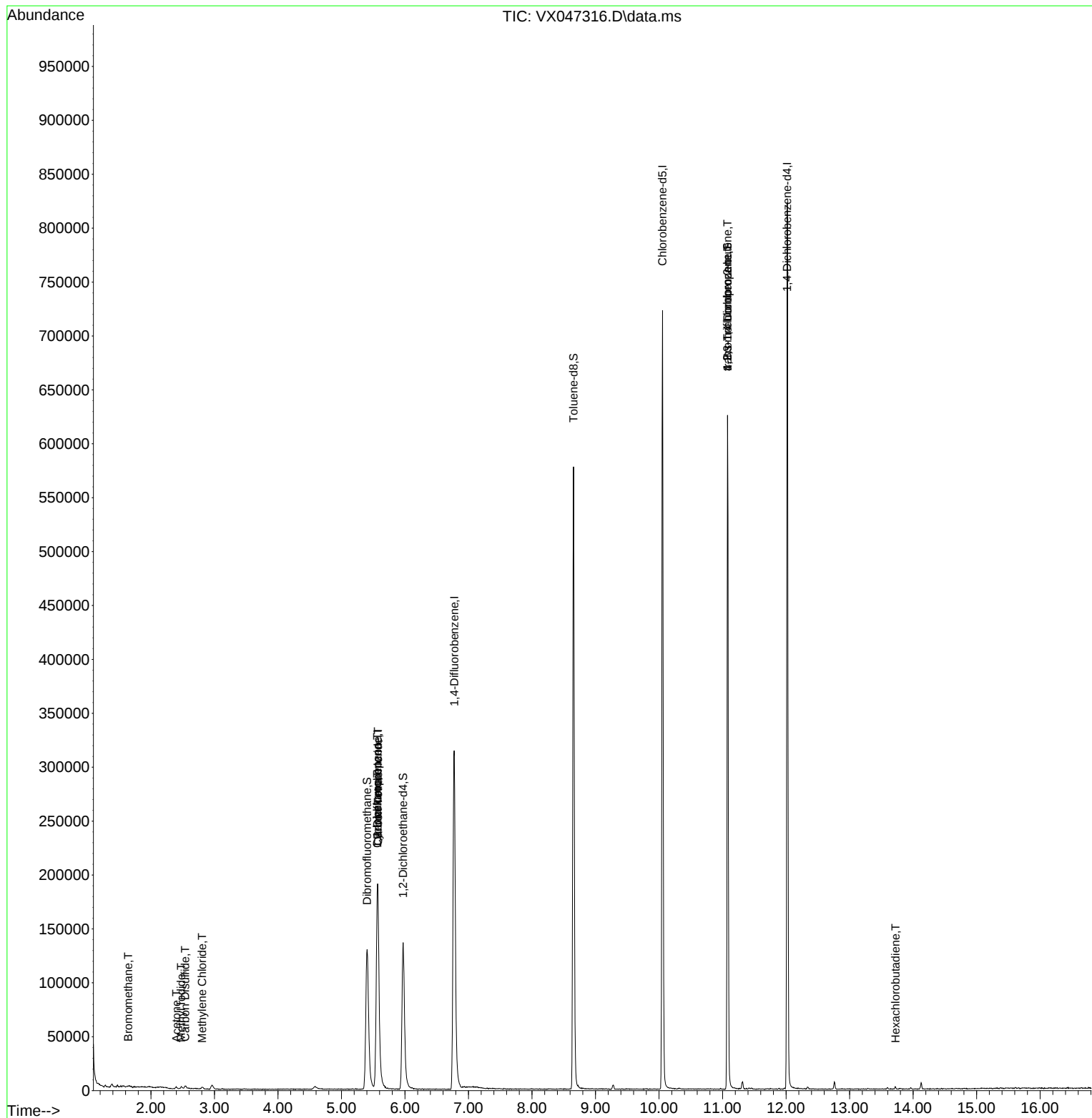
Internal Standards						
1) Pentafluorobenzene	5.568	168	192365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	345322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	164299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	145640	60.778	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 121.560%#		
35) Dibromofluoromethane	5.403	113	125850	59.025	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 118.060%		
50) Toluene-d8	8.653	98	340850	49.364	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.720%		
62) 4-Bromofluorobenzene	11.079	95	165915	55.758	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 111.520%		
Target Compounds						
						Qvalue
5) Bromomethane	1.642	94	338	0.229	ug/l	81
10) Methyl Iodide	2.477	142	2533	1.018	ug/l #	82
11) Tert butyl alcohol	2.971	59	2100	Below Cal	#	72
16) Acetone	2.398	43	2657	2.768	ug/l	97
17) Carbon Disulfide	2.538	76	1491	0.213	ug/l #	76
20) Methylene Chloride	2.806	84	1008	0.382	ug/l	87
31) Cyclohexane	5.562	56	4219	0.942	ug/l #	16
36) 1,1-Dichloropropene	5.562	75	16252	4.472	ug/l #	44
38) Carbon Tetrachloride	5.574	117	20705	5.338	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	87758	28.857	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	87758	74.348	ug/l #	8
94) Hexachlorobutadiene	13.725	225	389	0.307	ug/l	84

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

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Quant Title : SW846 8260
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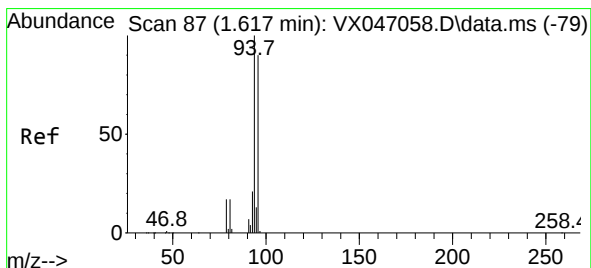
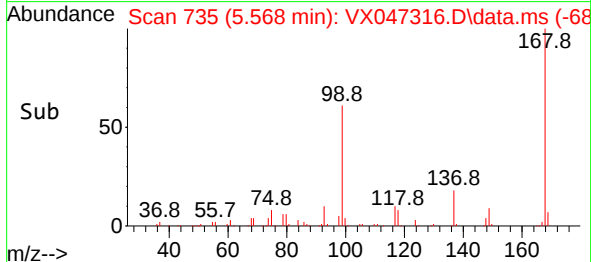
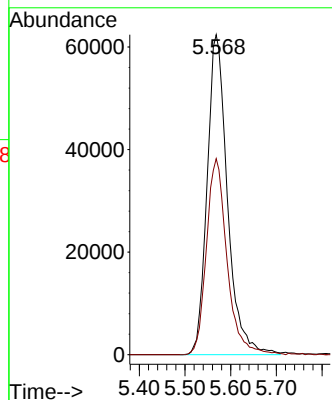
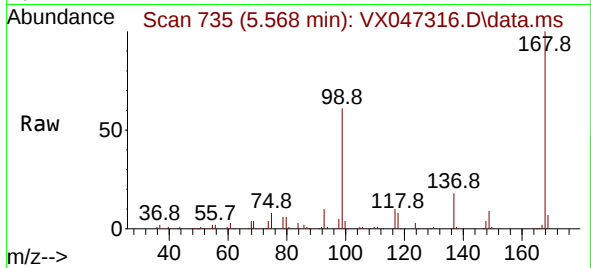




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

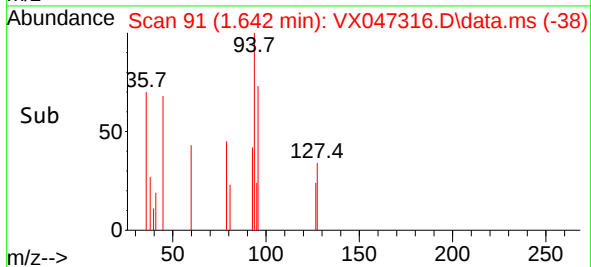
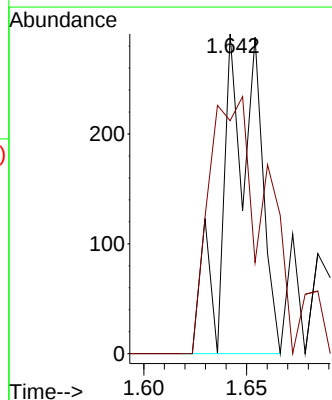
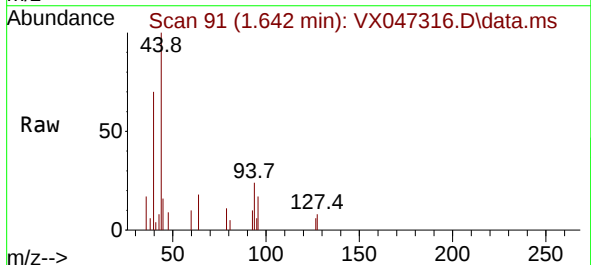
Instrument :
MSVOA_X
ClientSampleId :
TB

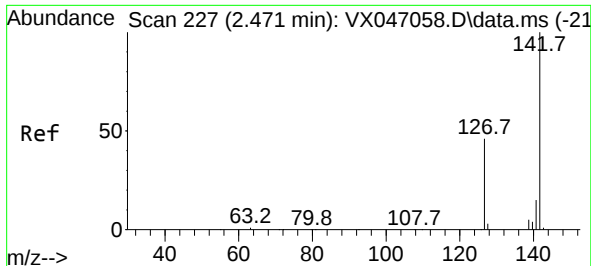
Tgt Ion:168 Resp: 192365
Ion Ratio Lower Upper
168 100
99 61.3 48.0 72.0



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 72.9 72.3 108.5

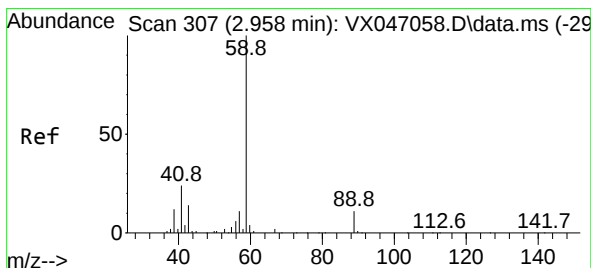
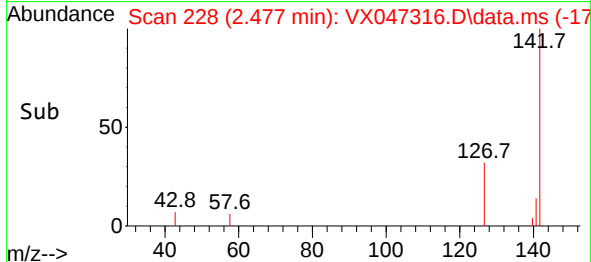
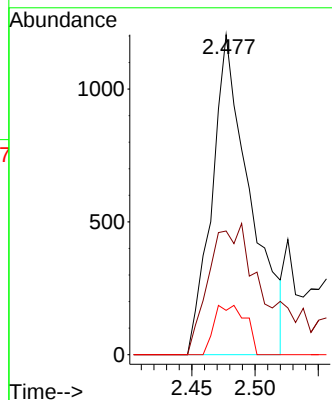
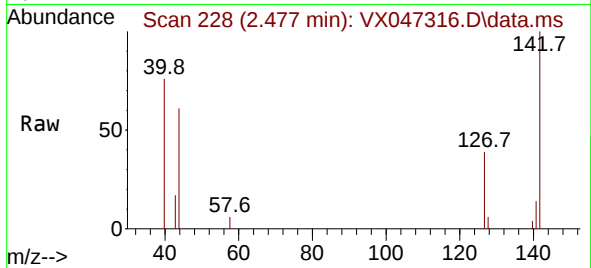




#10
Methyl Iodide
Concen: 1.018 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

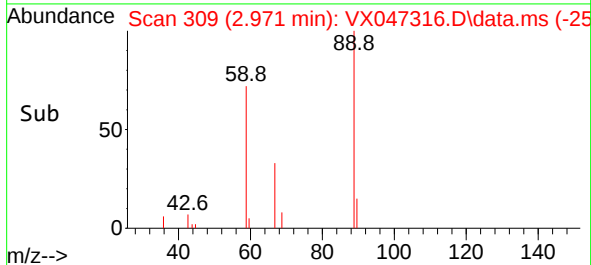
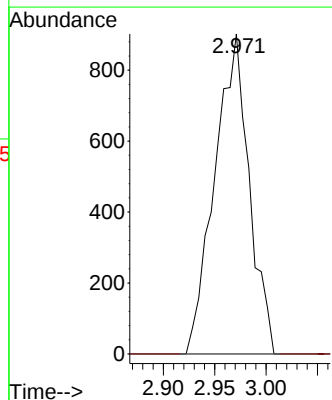
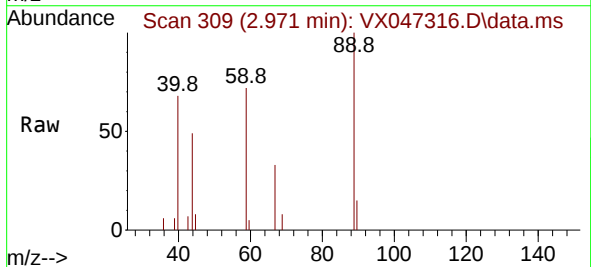
Instrument :
MSVOA_X
ClientSampleId :
TB

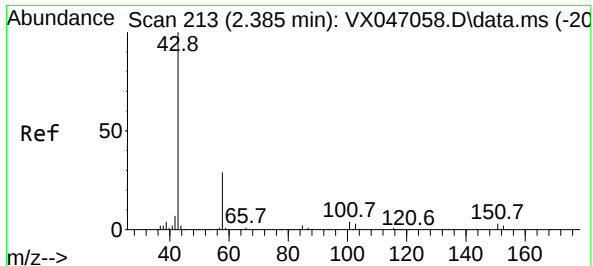
Tgt Ion:142 Resp: 2533
Ion Ratio Lower Upper
142 100
127 60.8 36.6 54.8#
141 12.8 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 59 Resp: 2100
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

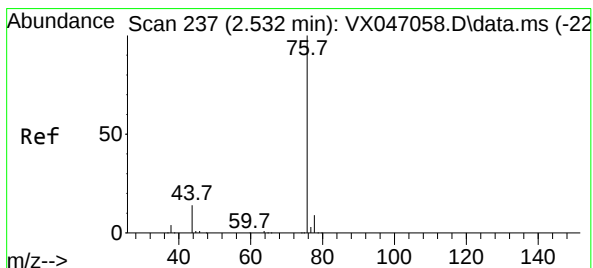
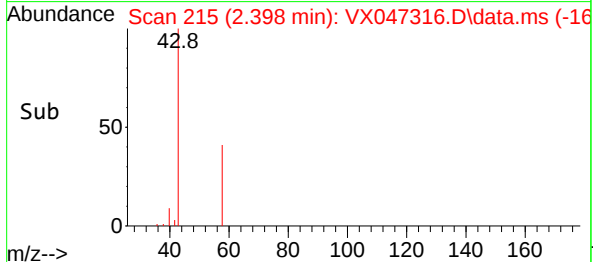
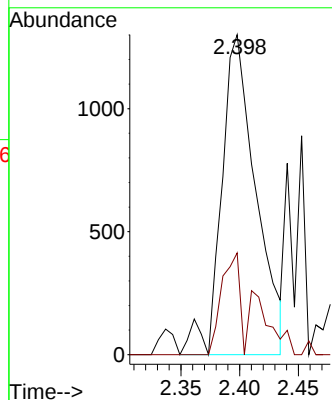
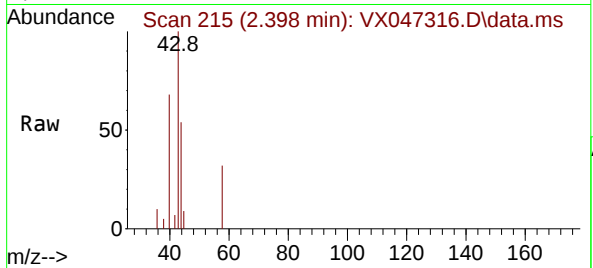




#16
Acetone
Concen: 2.768 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

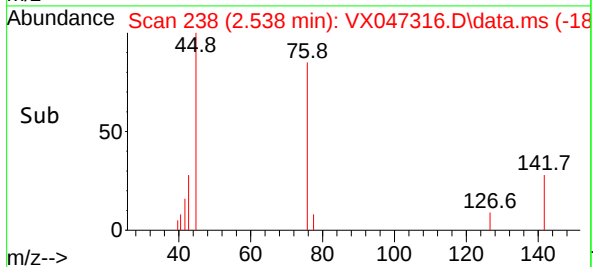
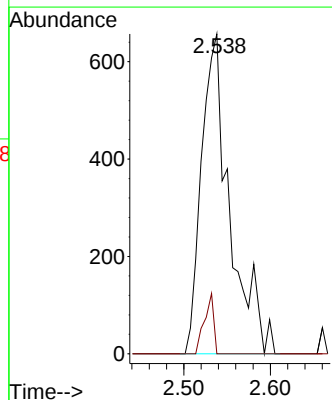
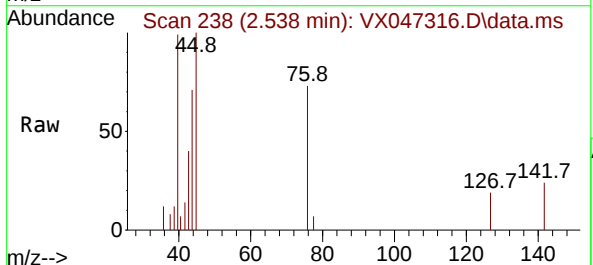
Instrument :
MSVOA_X
ClientSampleId :
TB

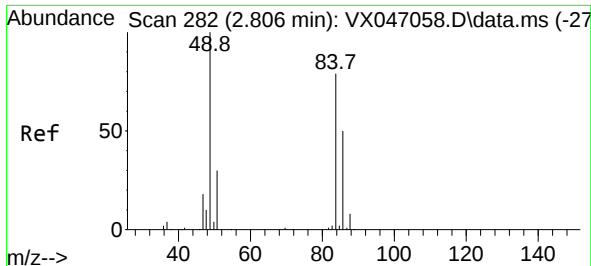
Tgt Ion: 43 Resp: 2657
Ion Ratio Lower Upper
43 100
58 31.8 24.0 36.0



#17
Carbon Disulfide
Concen: 0.213 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 76 Resp: 1491
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

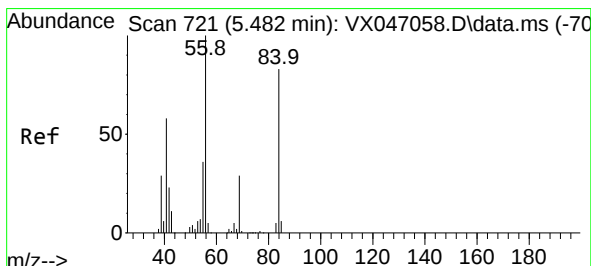
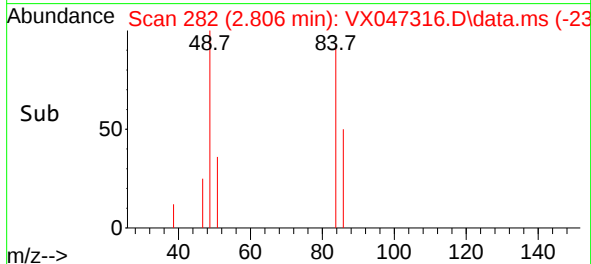
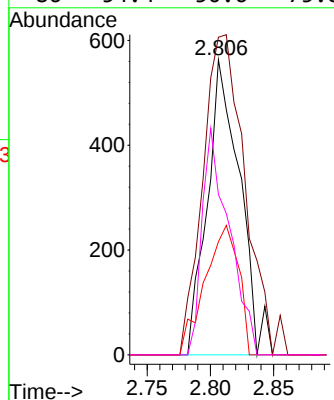
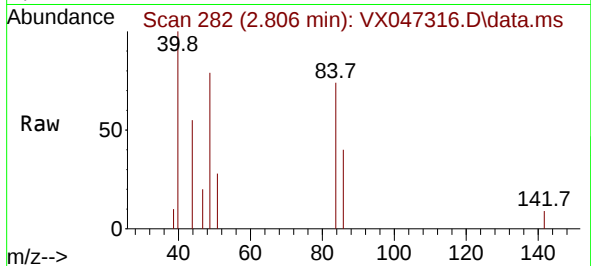




#20
Methylene Chloride
Concen: 0.382 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

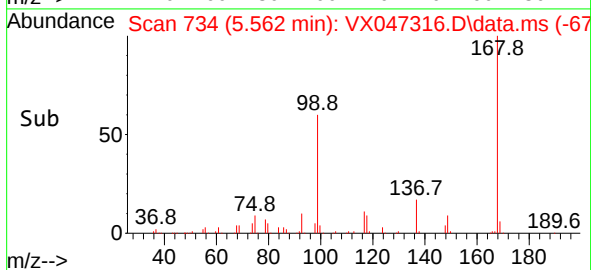
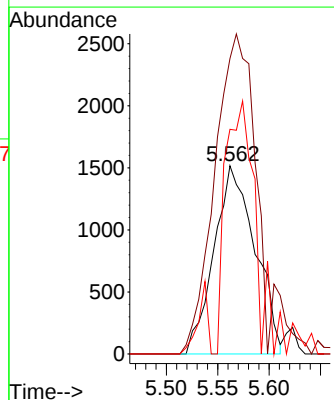
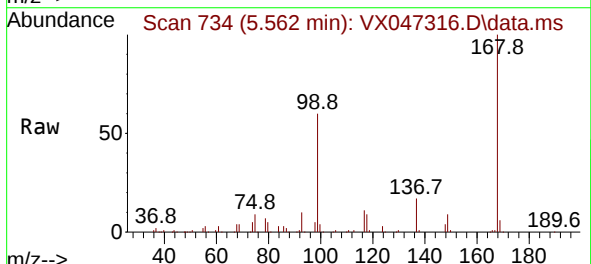
Instrument :
MSVOA_X
ClientSampleId :
TB

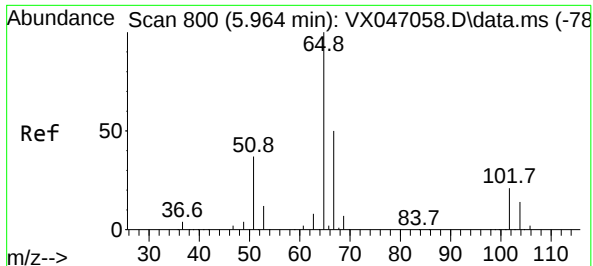
Tgt Ion:	84	Resp:	1008
Ion	Ratio	Lower	Upper
84	100		
49	107.6	101.6	152.4
51	38.4	30.3	45.5
86	54.4	50.6	75.8



#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion:	56	Resp:	4219
Ion	Ratio	Lower	Upper
56	100		
69	149.9	23.3	34.9#
84	114.0	66.5	99.7#

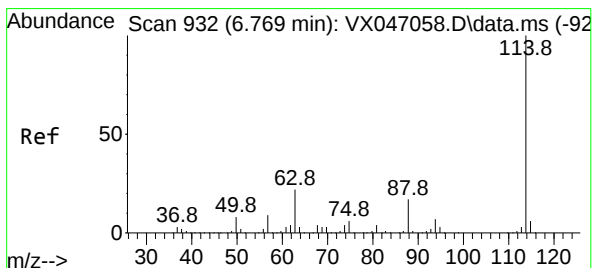
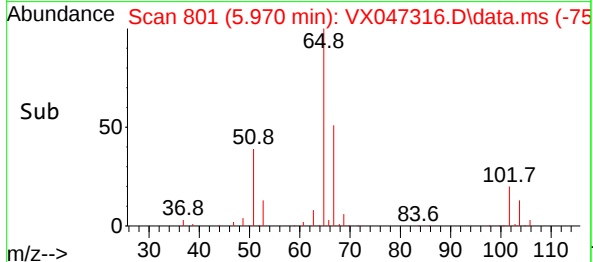
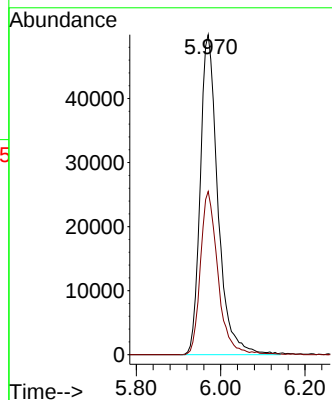
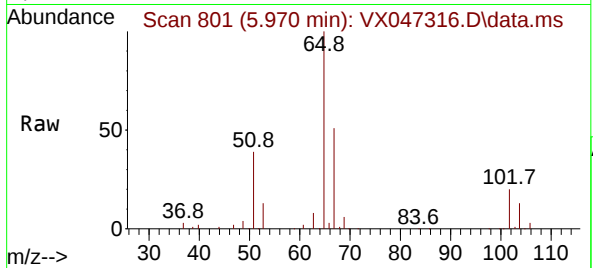




#33
 1,2-Dichloroethane-d4
 Concen: 60.778 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047316.D
 Acq: 13 Aug 2025 12:57

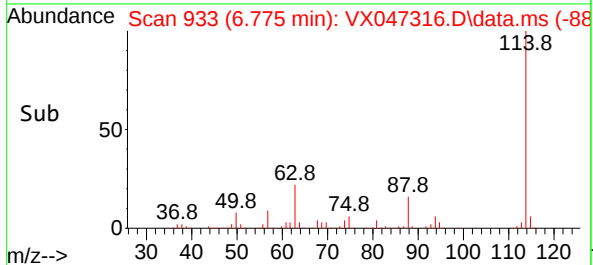
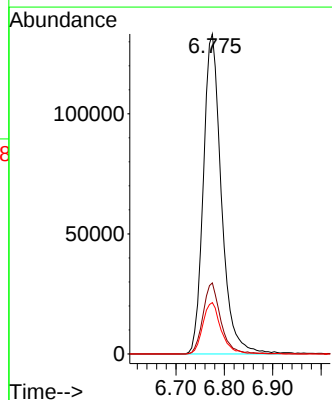
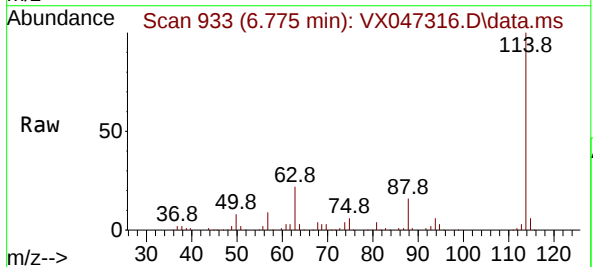
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

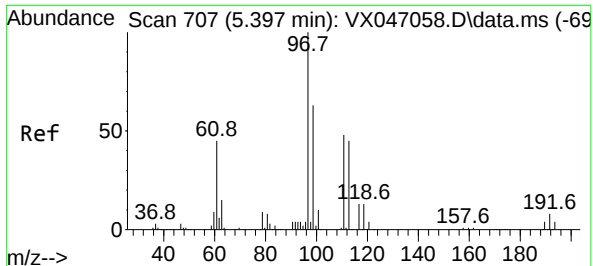
Tgt Ion: 65 Resp: 145640
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.006 min
 Lab File: VX047316.D
 Acq: 13 Aug 2025 12:57

Tgt Ion: 114 Resp: 345322
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.0 0.0 33.8

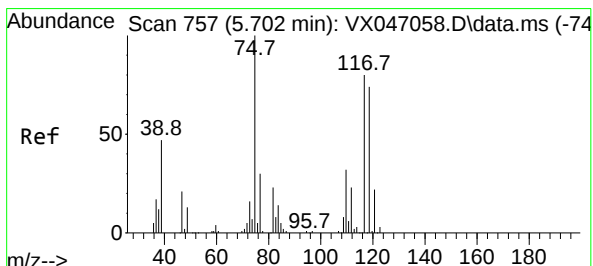
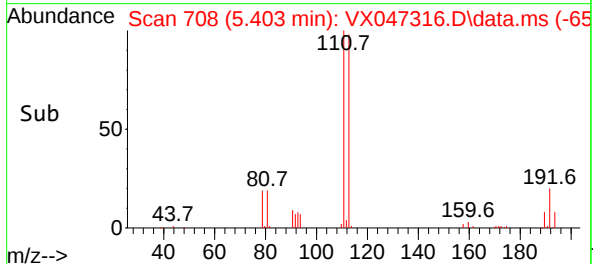
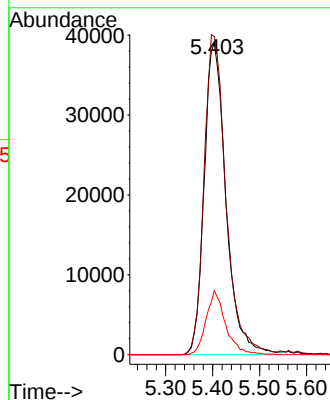
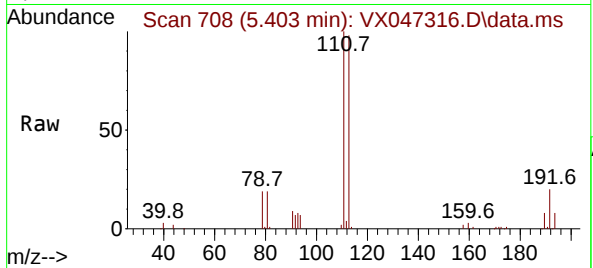




#35
Dibromofluoromethane
Concen: 59.025 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

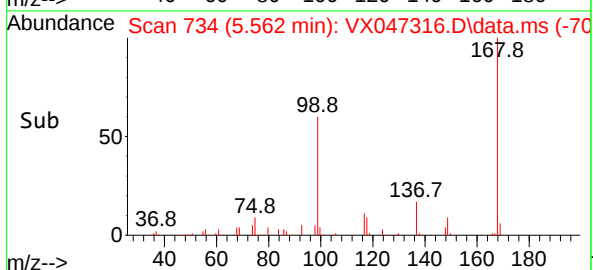
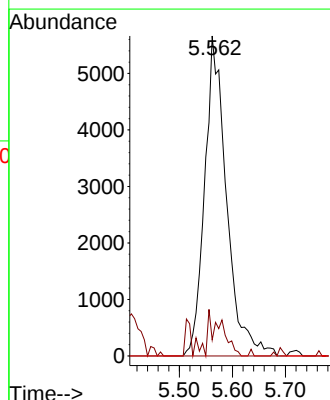
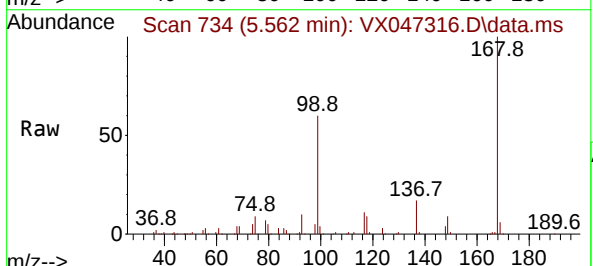
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MSVOA_X
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TB

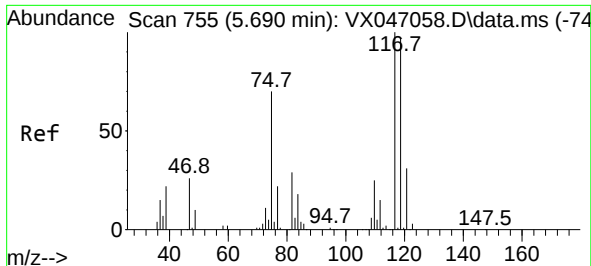
Tgt Ion:113 Resp: 125850
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.3 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.472 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 75 Resp: 16252
Ion Ratio Lower Upper
75 100
110 2.2 17.2 51.5#
77 0.0 25.1 37.7#

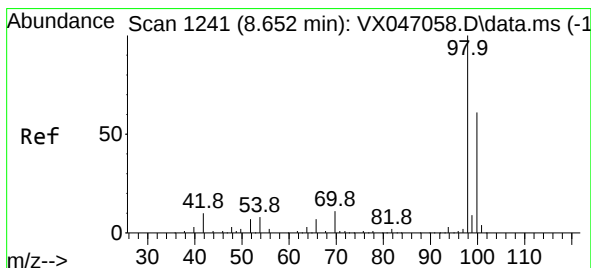
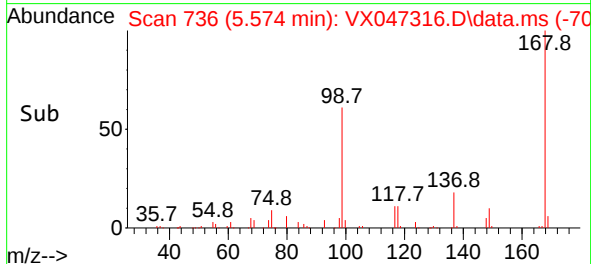
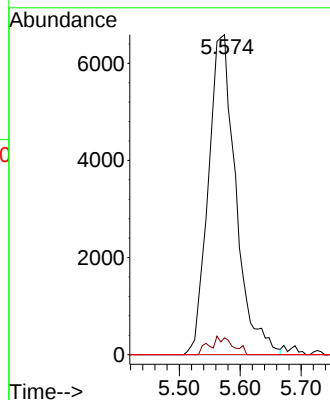
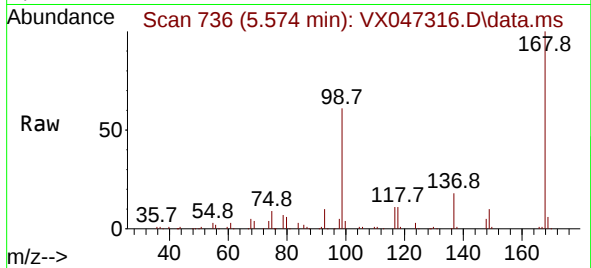




#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 5.574 min Scan# 71
Delta R.T. -0.115 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

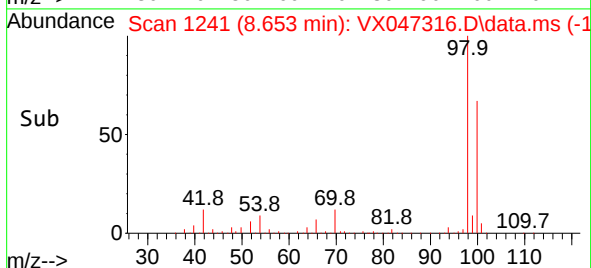
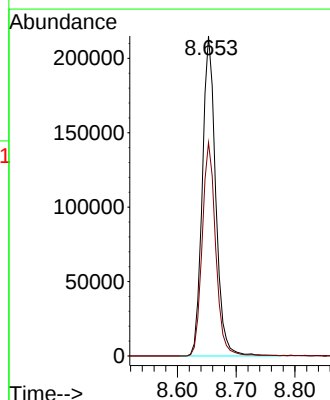
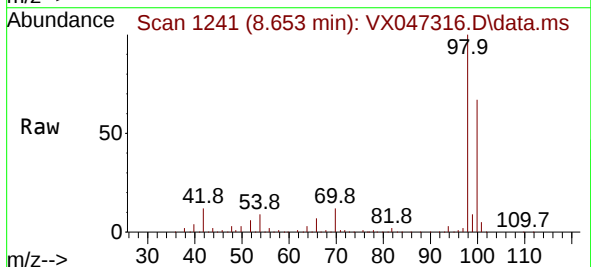
Instrument :
MSVOA_X
ClientSampleId :
TB

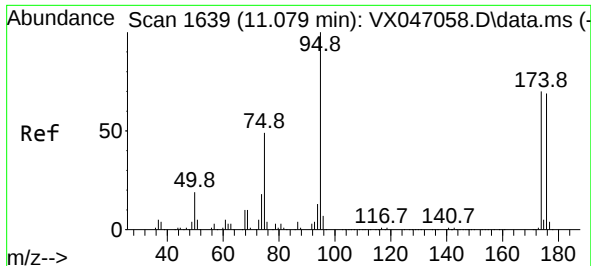
Tgt Ion:117 Resp: 20705
Ion Ratio Lower Upper
117 100
119 5.3 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.364 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 98 Resp: 340850
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9

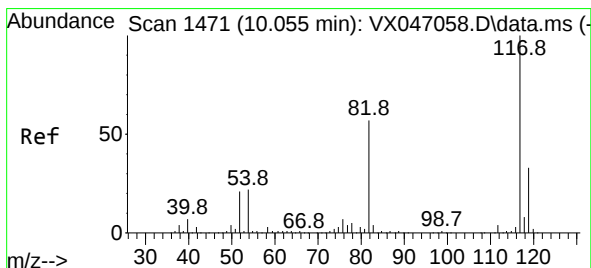
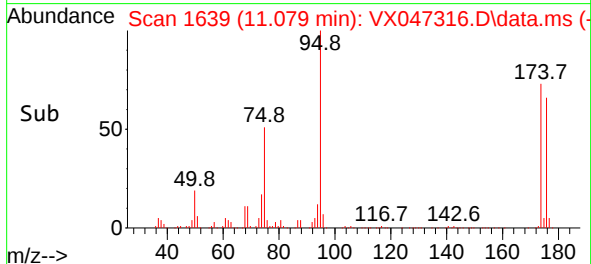
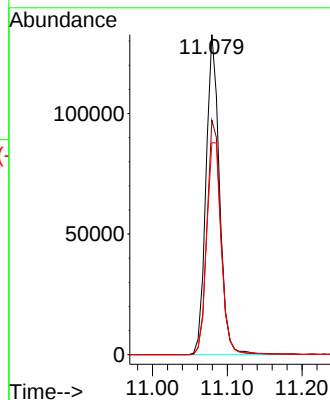
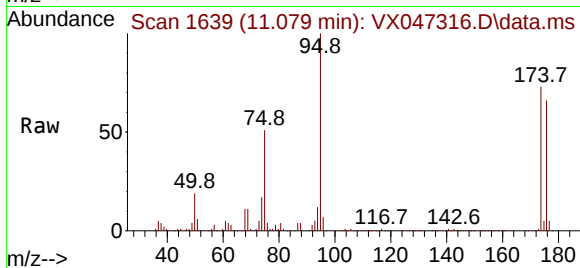




#62
4-Bromofluorobenzene
Concen: 55.758 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

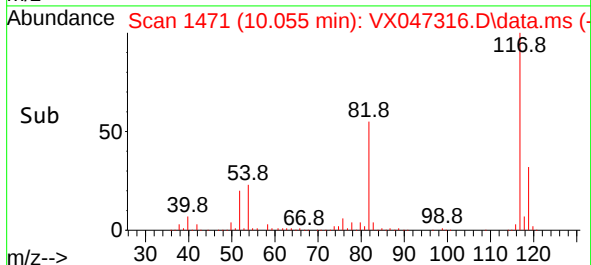
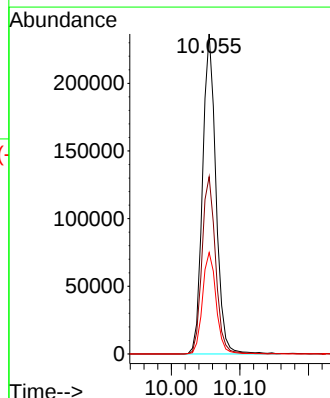
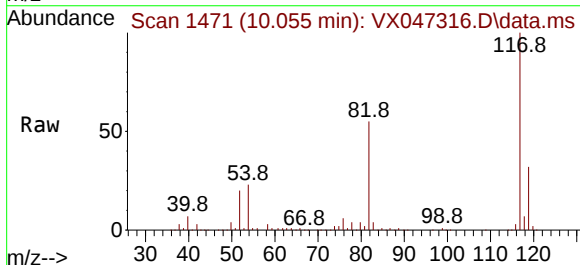
Instrument :
MSVOA_X
ClientSampleId :
TB

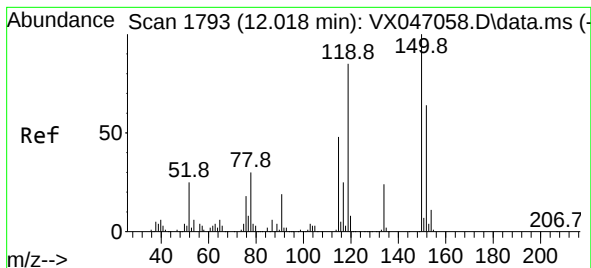
Tgt Ion: 95 Resp: 165915
Ion Ratio Lower Upper
95 100
174 75.9 0.0 144.6
176 72.1 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 117 Resp: 321526
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.2
119 31.7 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: VX047316.D

Acq: 13 Aug 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

TB

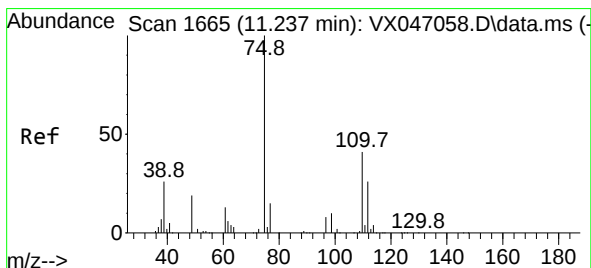
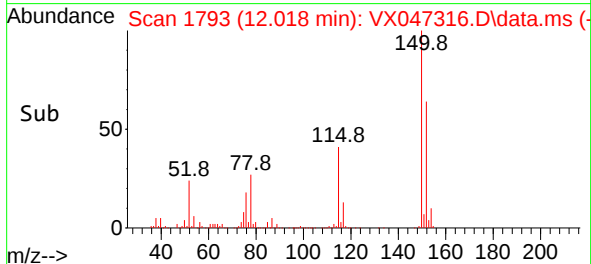
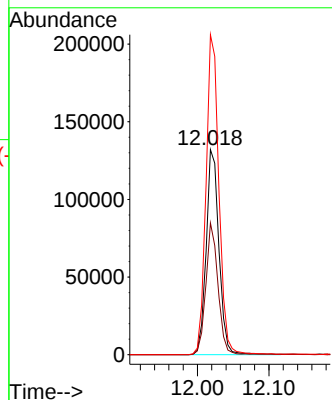
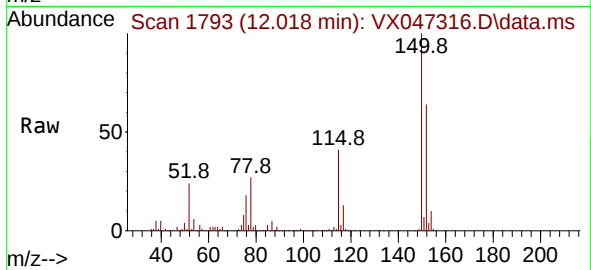
Tgt Ion:152 Resp: 164299

Ion Ratio Lower Upper

152 100

115 61.3 45.6 136.7

150 157.6 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 28.857 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047316.D

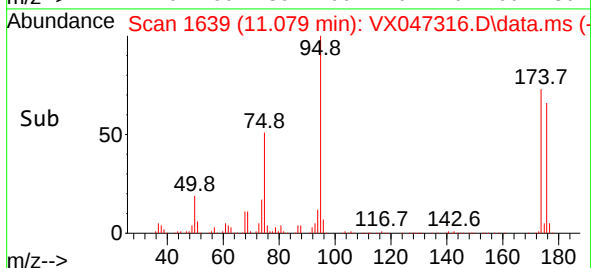
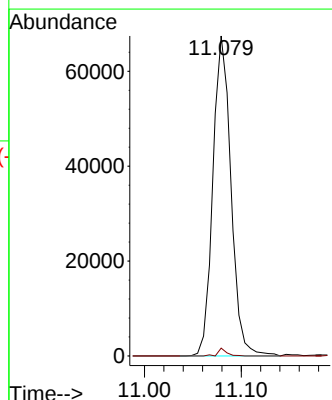
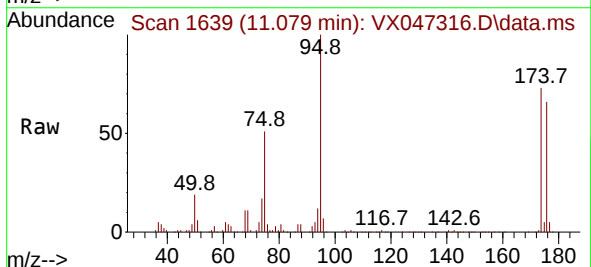
Acq: 13 Aug 2025 12:57

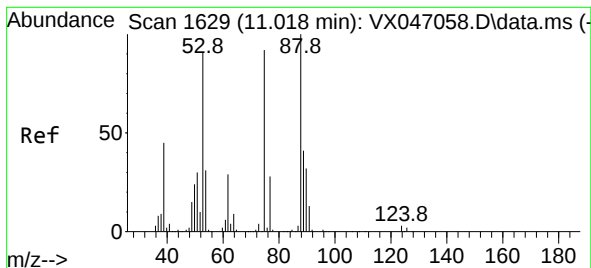
Tgt Ion: 75 Resp: 87758

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#

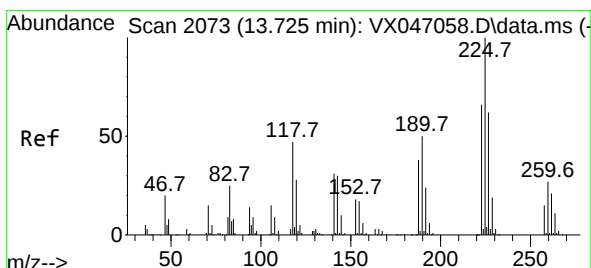
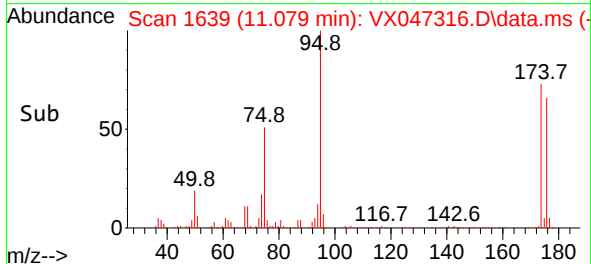
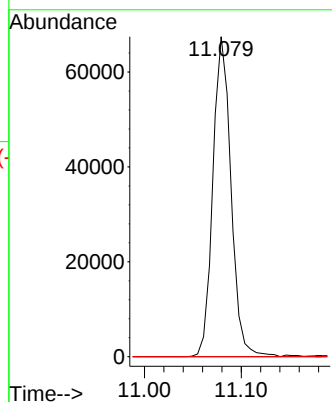
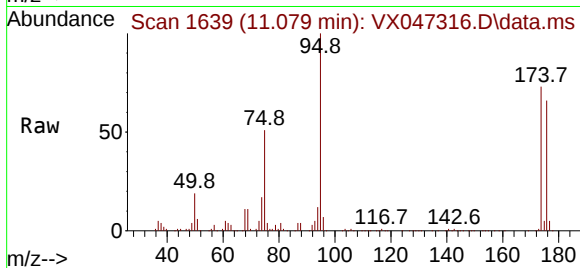




#81
trans-1,4-Dichloro-2-butene
Concen: 74.348 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 75 Resp: 87758
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.307 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 225 Resp: 389
Ion Ratio Lower Upper
225 100
223 49.1 31.6 95.0
227 55.3 32.9 98.6

