

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
 Data File : VX047856.D
 Acq On : 26 Sep 2025 14:25
 Operator : JC/MD
 Sample : Q3156-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20250918DL

Quant Time: Sep 26 23:15:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

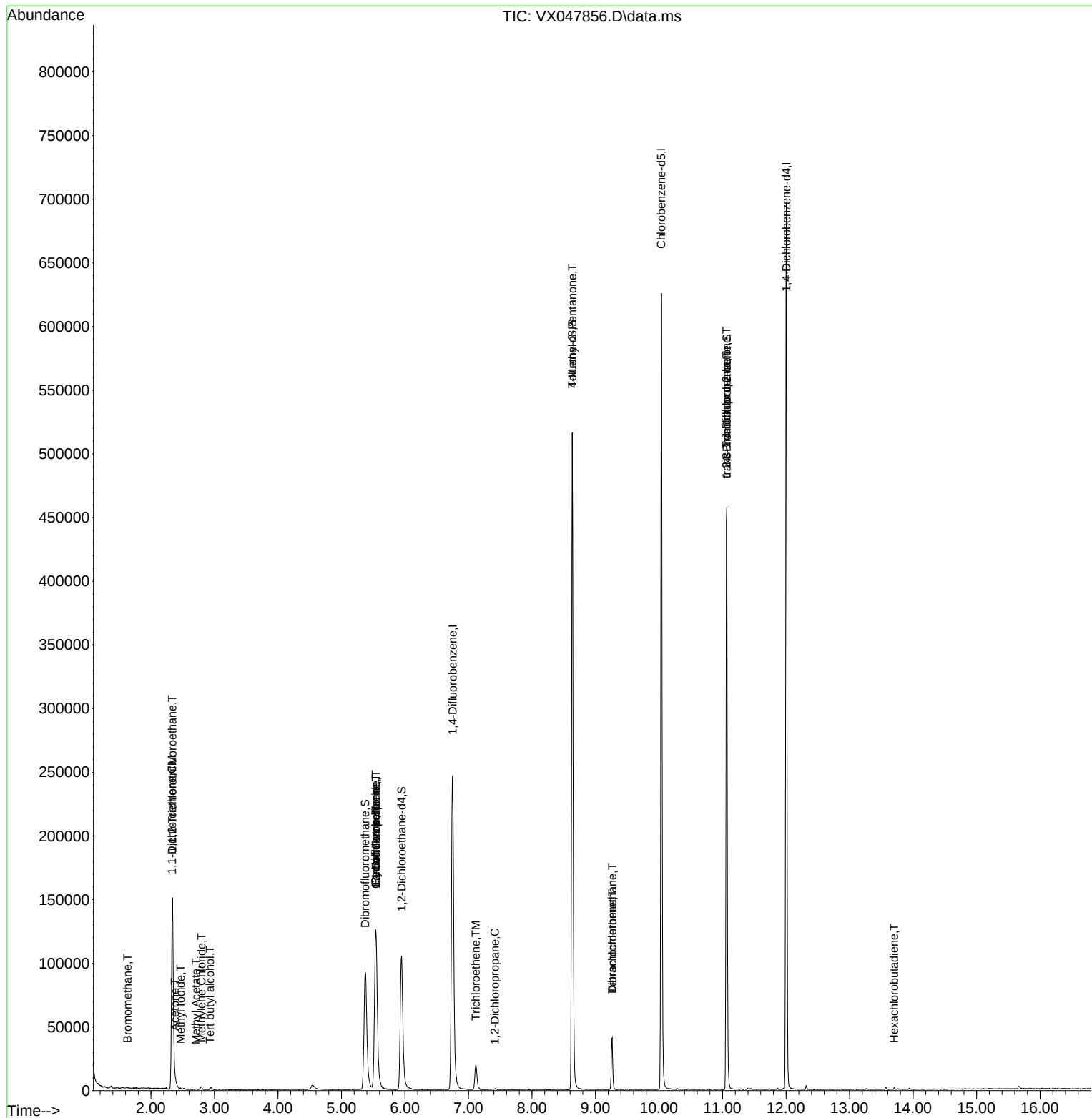
Internal Standards						
1) Pentafluorobenzene	5.538	168	130144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	271994	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	282345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114592	55.317	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.640%	
35) Dibromofluoromethane	5.373	113	92353	50.628	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.260%	
50) Toluene-d8	8.635	98	313095	49.604	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.200%	
62) 4-Bromofluorobenzene	11.067	95	132823	55.447	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.900%	
Target Compounds						Qvalue
5) Bromomethane	1.630	94	279	0.254	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	2.337	101	69023	45.853	ug/l	99
10) Methyl Iodide	2.465	142	771	0.328	ug/l #	73
11) Tert butyl alcohol	2.928	59	223	0.967	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	546	0.353	ug/l #	61
16) Acetone	2.380	43	436	0.484	ug/l #	88
18) Methyl Acetate	2.709	43	558	0.278	ug/l #	63
20) Methylene Chloride	2.794	84	986	0.517	ug/l #	72
31) Cyclohexane	5.538	56	2628	0.960	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10644	3.993	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13313	4.597	ug/l #	19
44) Trichloroethene	7.117	130	8326	4.254	ug/l	88
45) 1,2-Dichloropropane	7.415	63	464	0.224	ug/l #	44
51) 4-Methyl-2-Pentanone	8.635	43	1555	0.599	ug/l #	1
60) Dibromochloromethane	9.263	129	8266	3.730	ug/l #	11
64) Tetrachloroethene	9.263	164	8006	4.350	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	69419	23.728	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	69419	60.510	ug/l #	8
94) Hexachlorobutadiene	13.701	225	362	0.342	ug/l	86

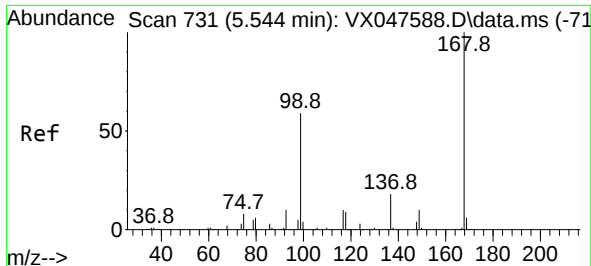
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

Quant Time: Sep 26 23:15:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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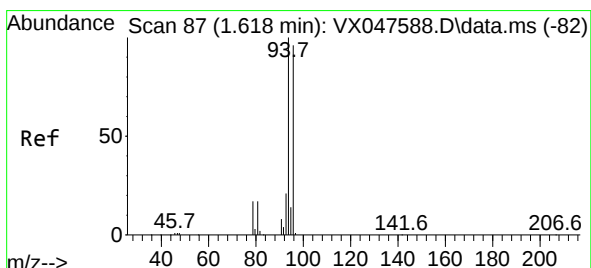
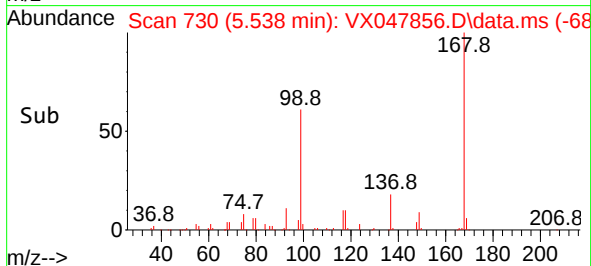
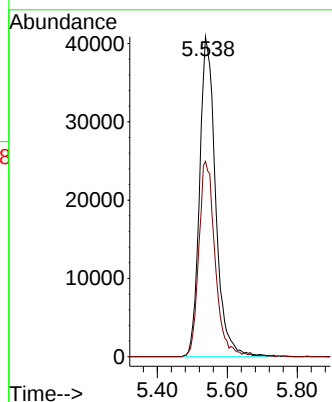
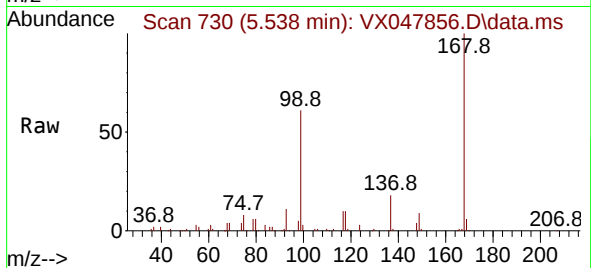




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

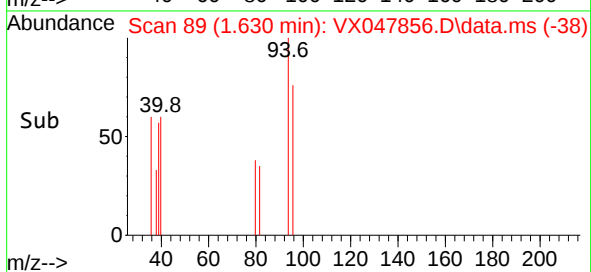
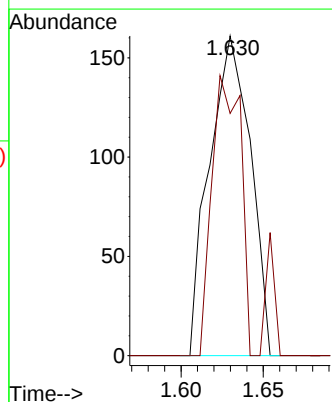
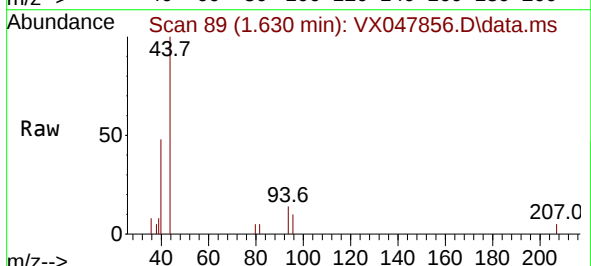
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

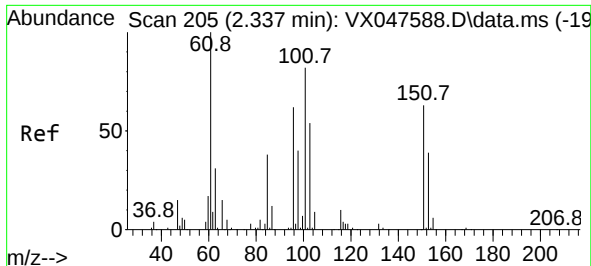
Tgt Ion:168 Resp: 130144
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2



#5
Bromomethane
Concen: 0.254 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 75.8 76.6 115.0#

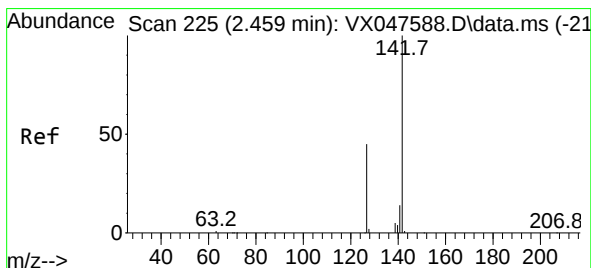
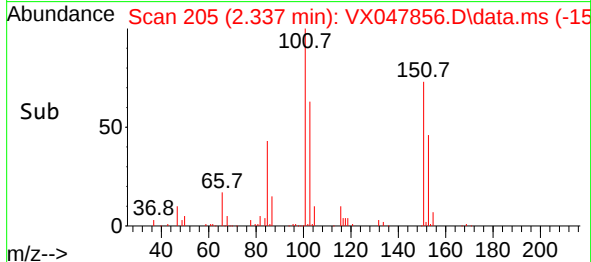
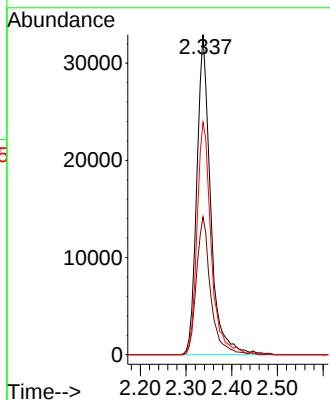
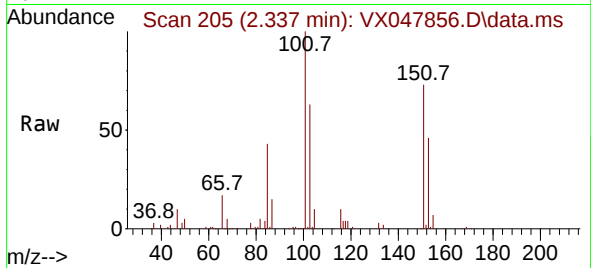




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.853 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

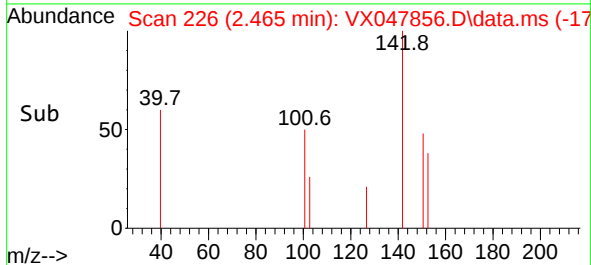
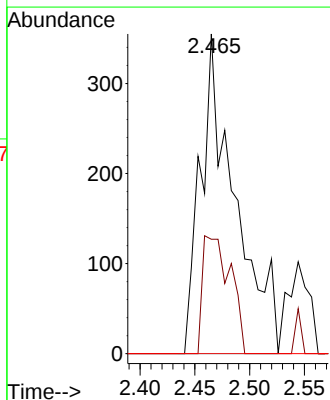
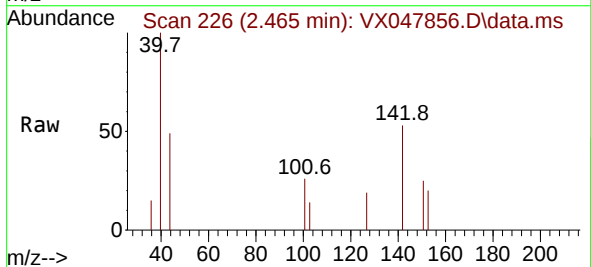
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

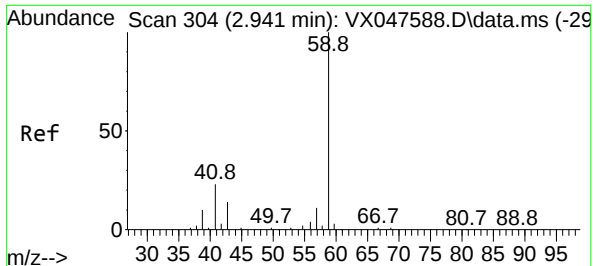
Tgt Ion:101 Resp: 69023
Ion Ratio Lower Upper
101 100
85 44.4 35.5 53.3
151 75.0 59.4 89.0



#10
Methyl Iodide
Concen: 0.328 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion:142 Resp: 771
Ion Ratio Lower Upper
142 100
127 29.8 37.2 55.8#
141 0.0 11.4 17.0#

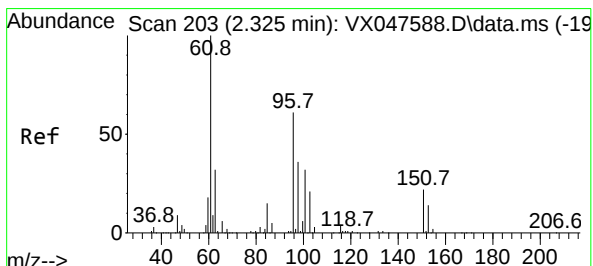
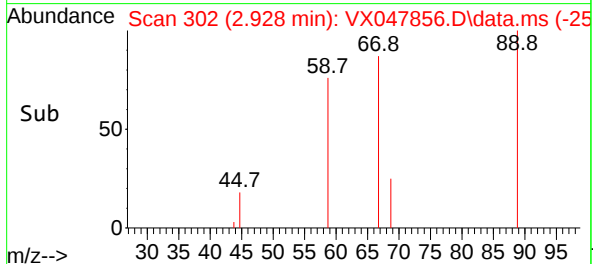
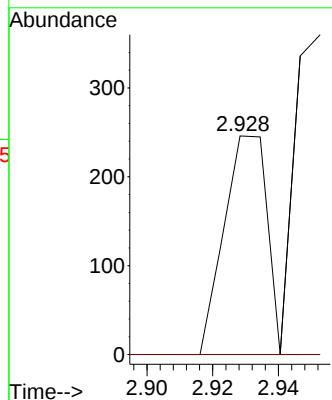
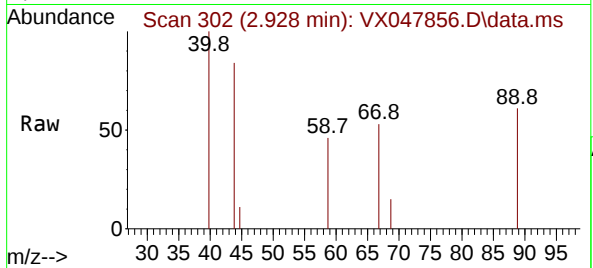




#11
Tert butyl alcohol
Concen: 0.967 ug/l
RT: 2.928 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

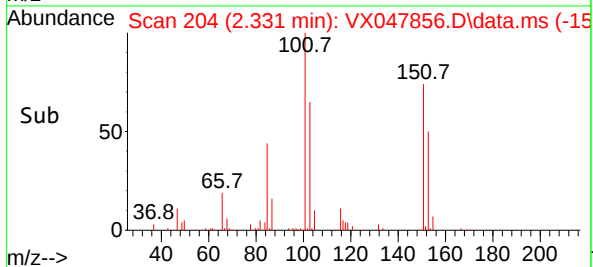
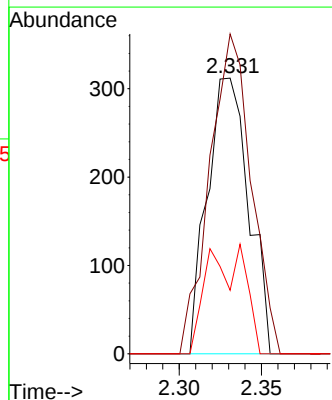
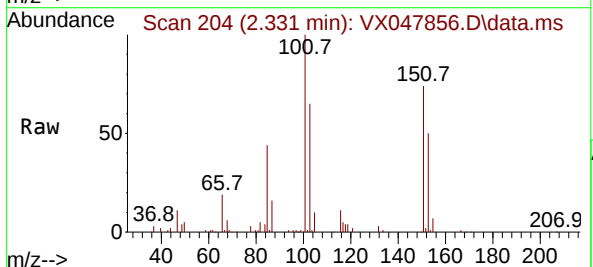
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

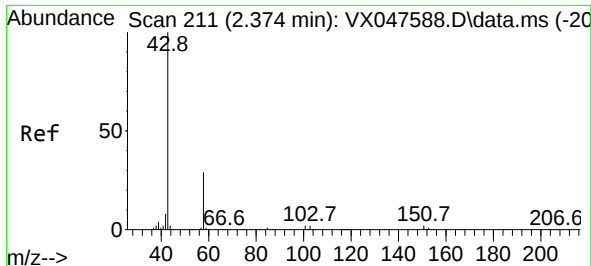
Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.353 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion: 96 Resp: 546
Ion Ratio Lower Upper
96 100
61 116.0 131.0 196.6#
98 23.1 47.7 71.5#

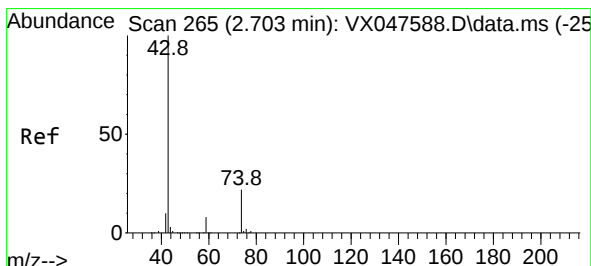
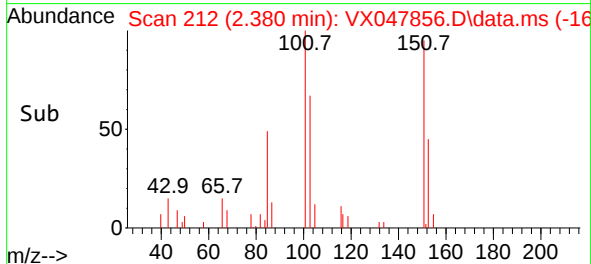
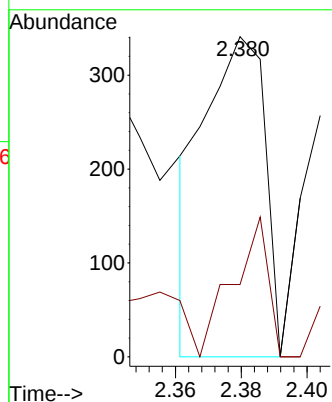
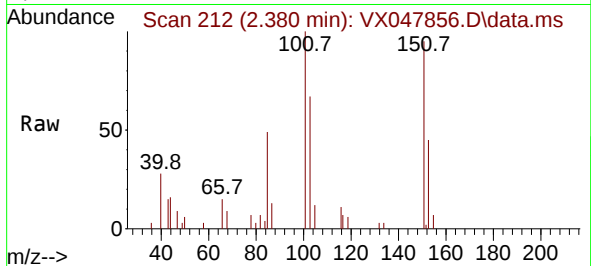




#16
Acetone
Concen: 0.484 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

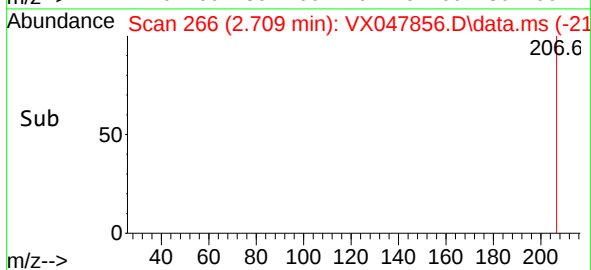
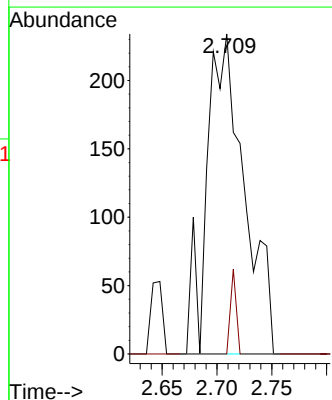
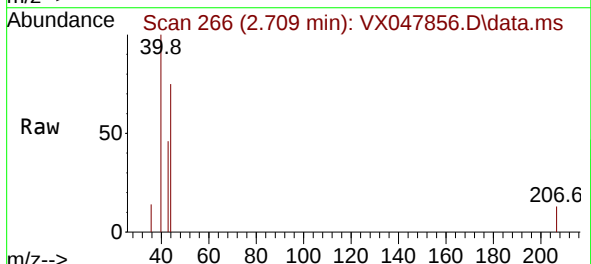
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

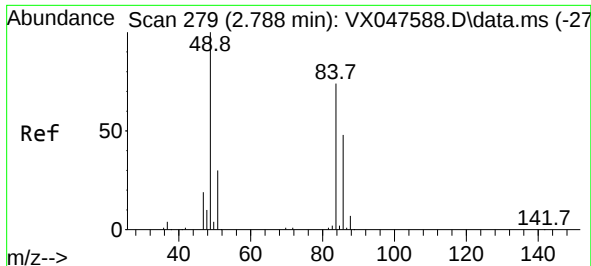
Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
58 22.6 23.4 35.0#



#18
Methyl Acetate
Concen: 0.278 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

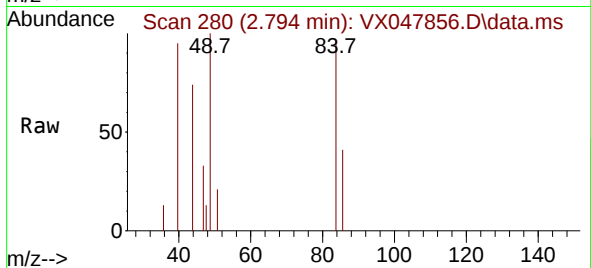
Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
74 4.1 17.4 26.2#



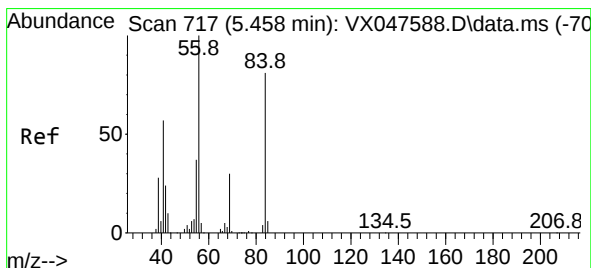
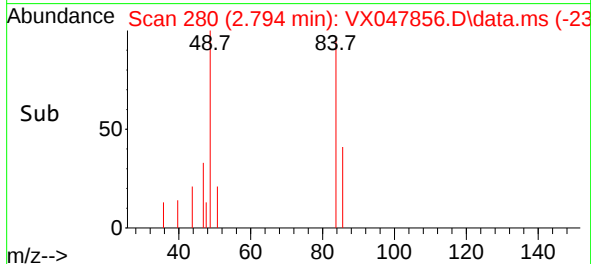
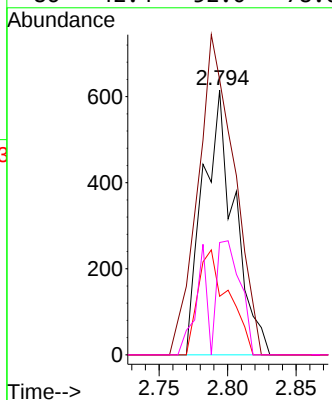


#20
Methylene Chloride
Concen: 0.517 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

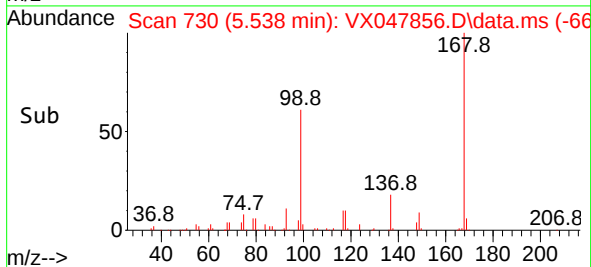
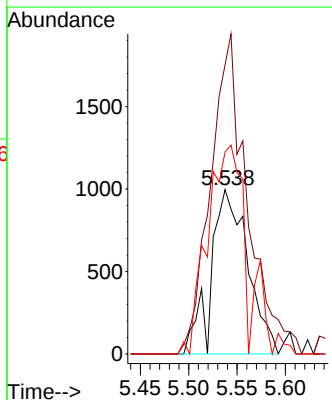
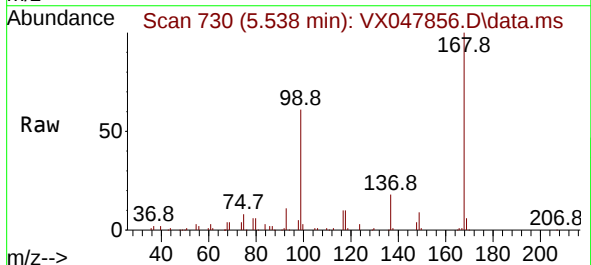


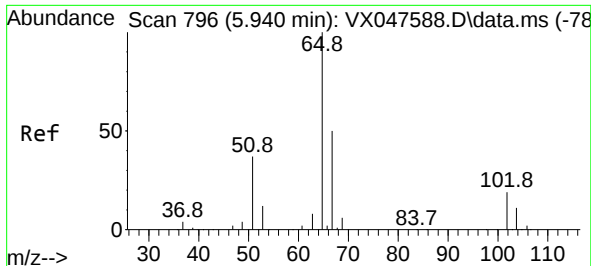
Tgt Ion:	84	Resp:	986
Ion	Ratio	Lower	Upper
84	100		
49	103.9	108.6	162.8#
51	22.1	32.6	48.8#
86	42.4	52.0	78.0#



#31
Cyclohexane
Concen: 0.960 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion:	56	Resp:	2628
Ion	Ratio	Lower	Upper
56	100		
69	176.0	23.8	35.8#
84	122.9	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 55.317 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047856.D

Acq: 26 Sep 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

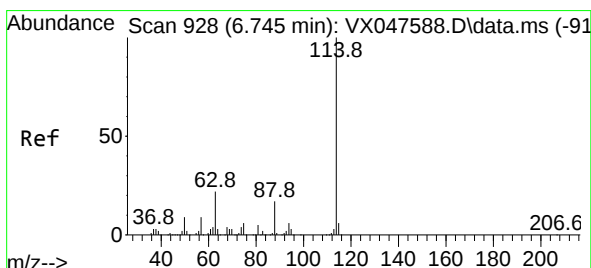
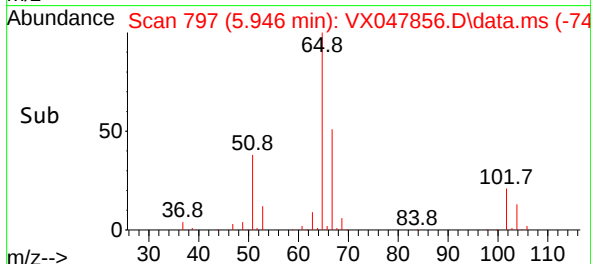
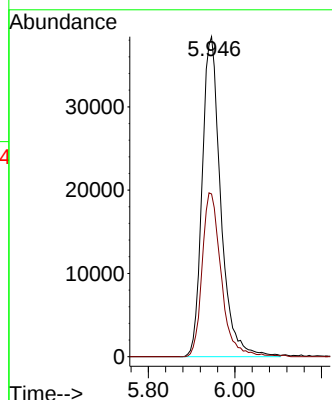
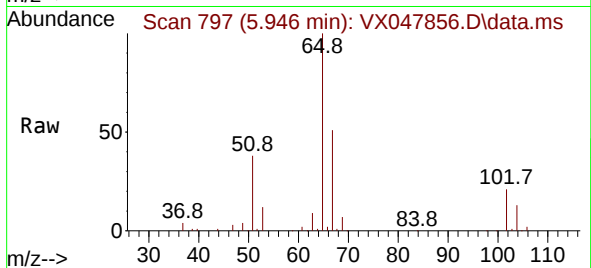
RE131D3-20250918DL

Tgt Ion: 65 Resp: 114592

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047856.D

Acq: 26 Sep 2025 14:25

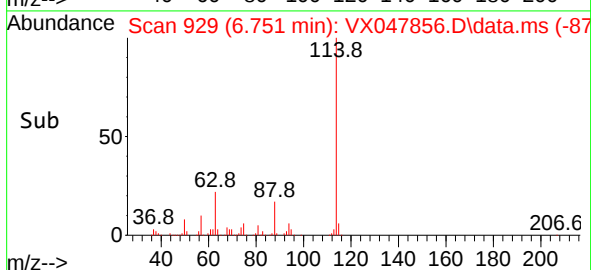
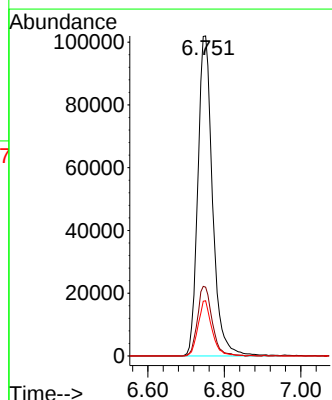
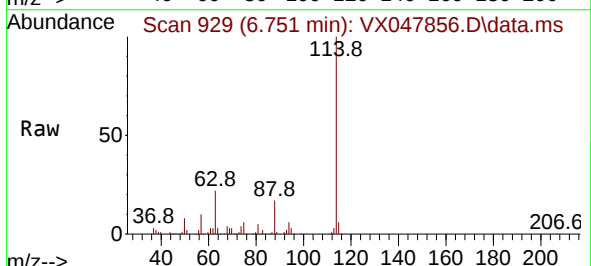
Tgt Ion: 114 Resp: 271994

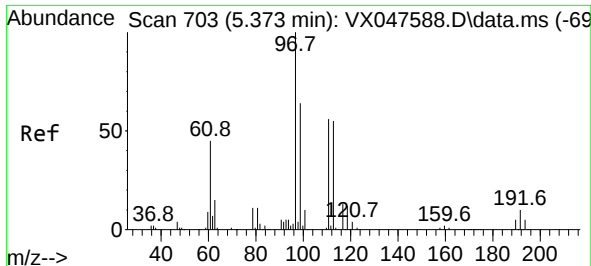
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 17.2 0.0 34.2

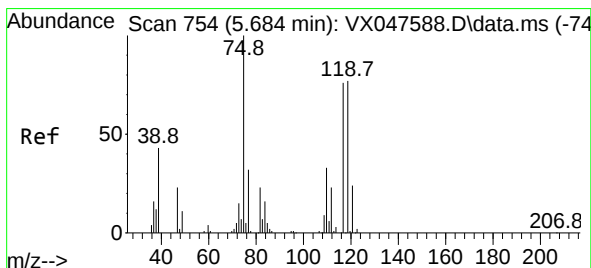
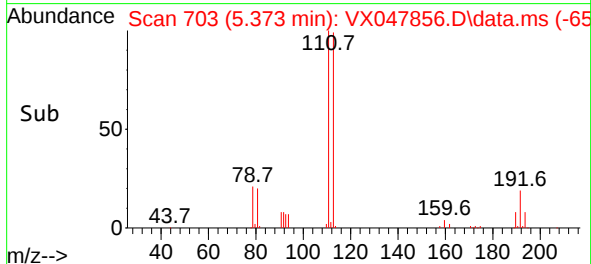
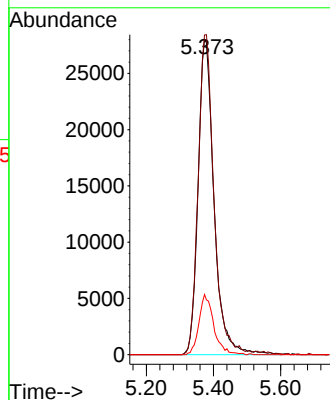
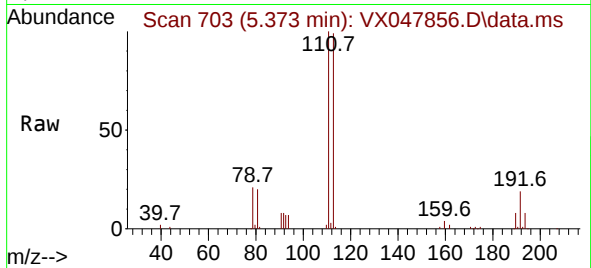




#35
Dibromofluoromethane
Concen: 50.628 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

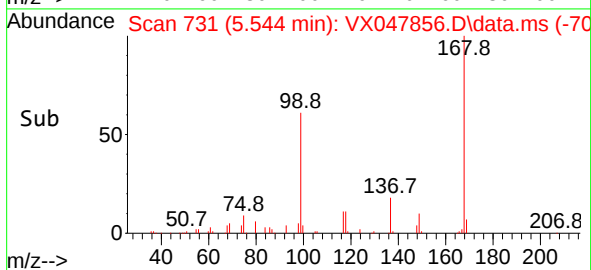
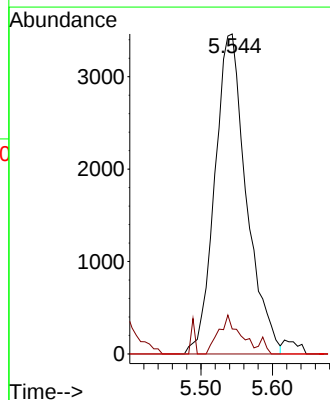
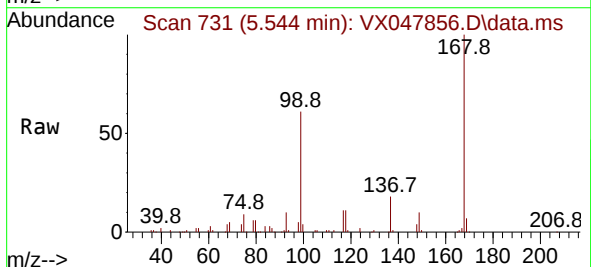
Instrument :
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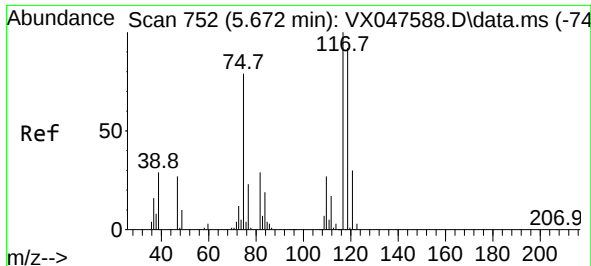
Tgt Ion:	113	Resp:	92353
Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.9	121.3
192	17.8	14.2	21.4



#36
1,1-Dichloropropene
Concen: 3.993 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

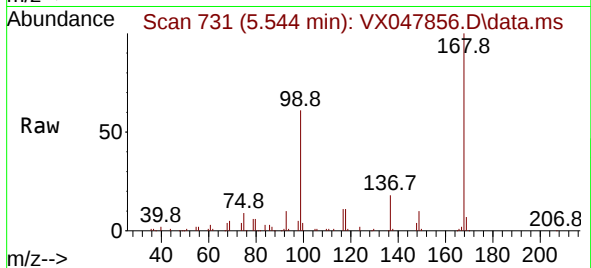
Tgt Ion:	75	Resp:	10644
Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.7	50.1#
77	0.0	24.3	36.5#



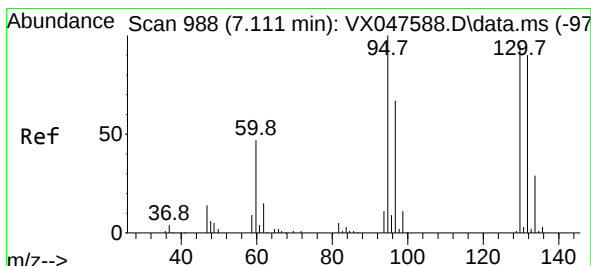
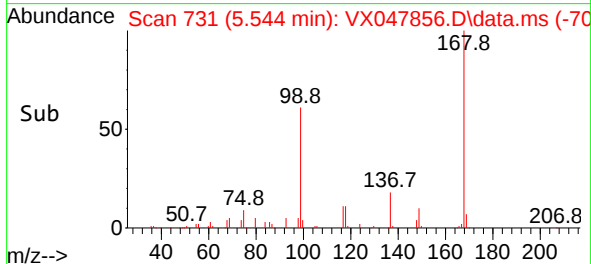
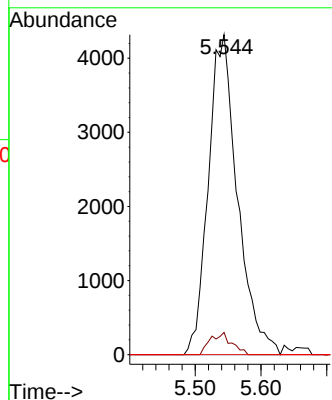


#38
Carbon Tetrachloride
Concen: 4.597 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

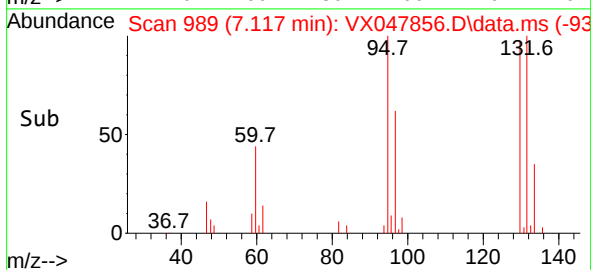
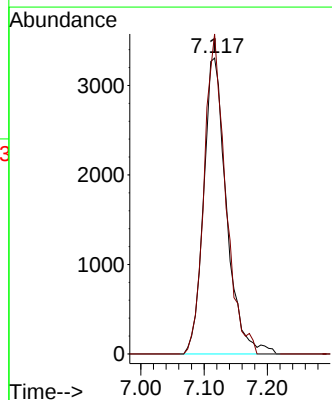
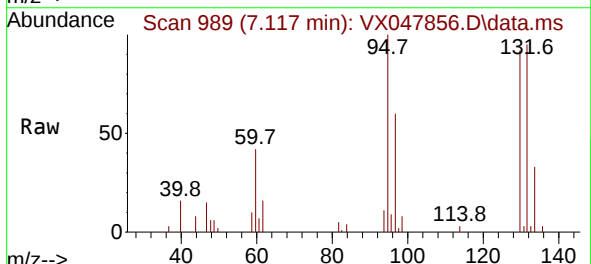


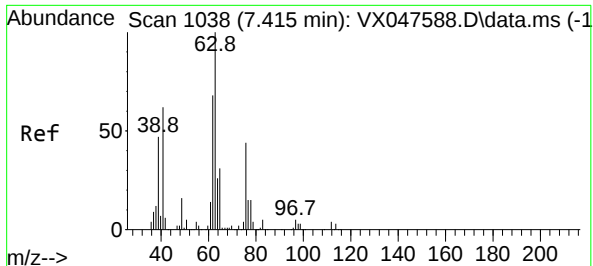
Tgt Ion:117 Resp: 13313
Ion Ratio Lower Upper
117 100
119 6.9 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 4.254 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion:130 Resp: 8326
Ion Ratio Lower Upper
130 100
95 117.4 0.0 210.8





#45

1,2-Dichloropropane

Concen: 0.224 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047856.D

Acq: 26 Sep 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

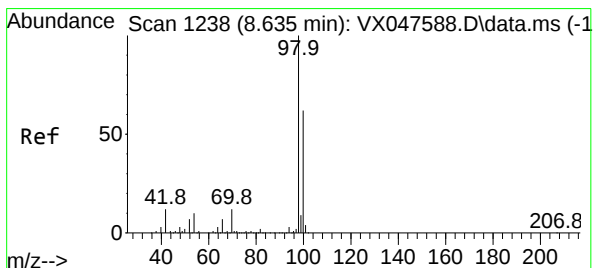
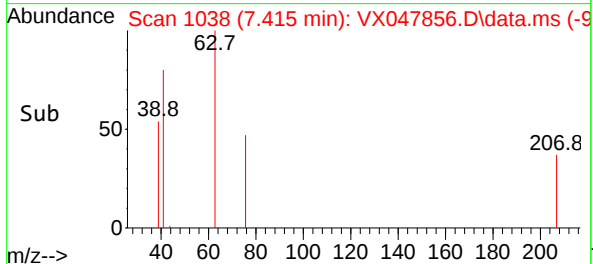
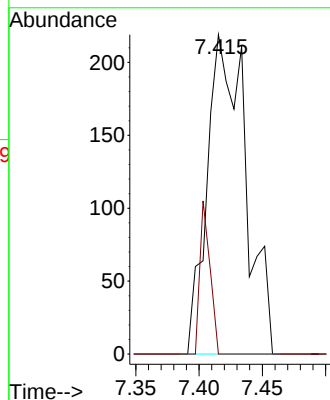
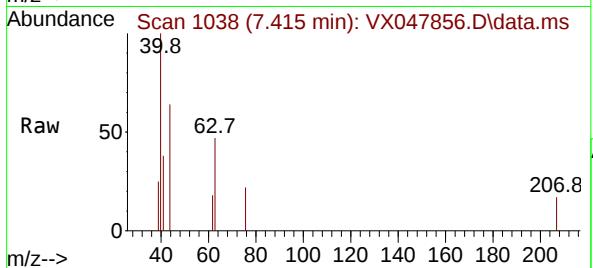
RE131D3-20250918DL

Tgt Ion: 63 Resp: 464

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 49.604 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047856.D

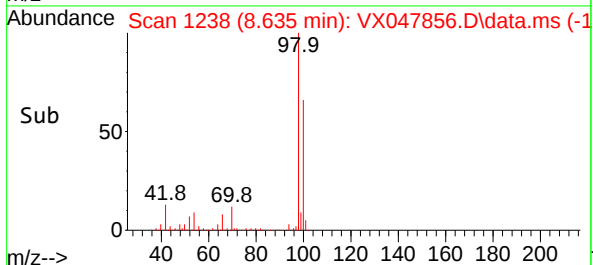
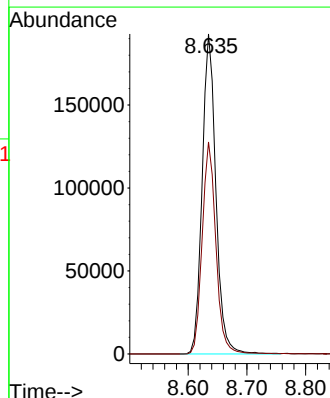
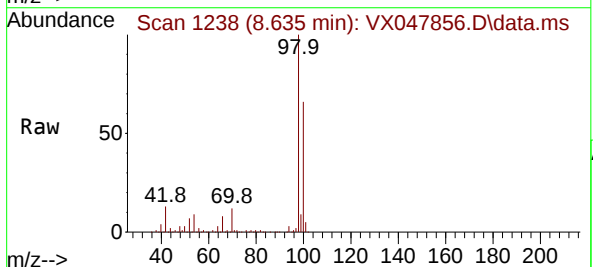
Acq: 26 Sep 2025 14:25

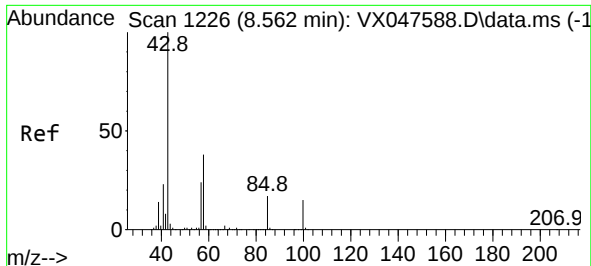
Tgt Ion: 98 Resp: 313095

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4

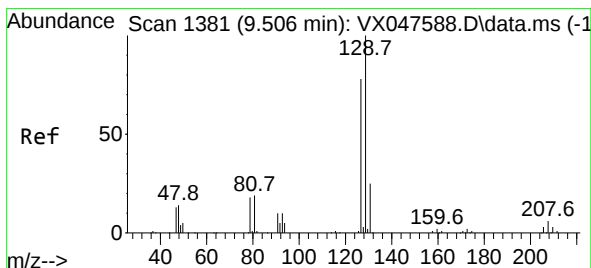
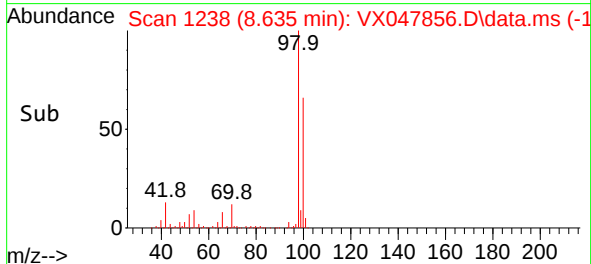
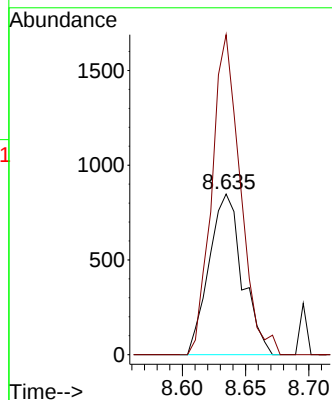
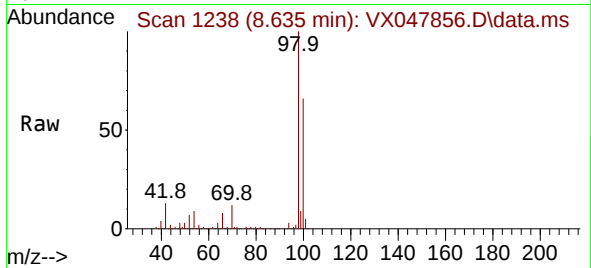




#51
4-Methyl-2-Pentanone
Concen: 0.599 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

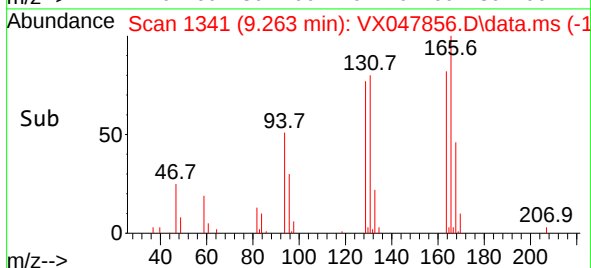
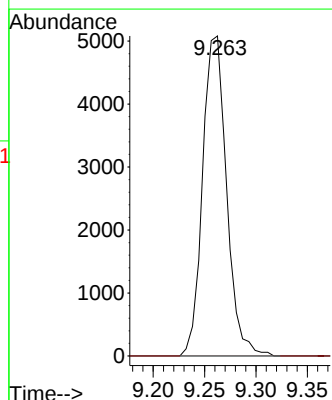
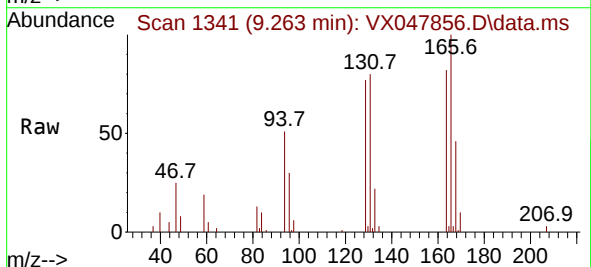
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

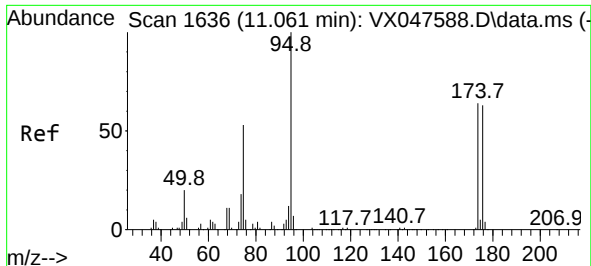
Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
58 170.9 30.3 45.5#



#60
Dibromochloromethane
Concen: 3.730 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion: 129 Resp: 8266
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

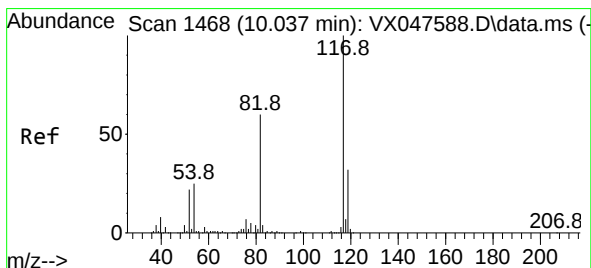
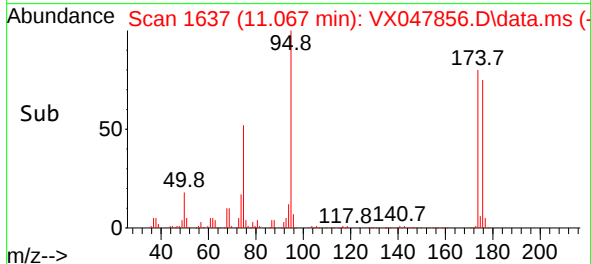
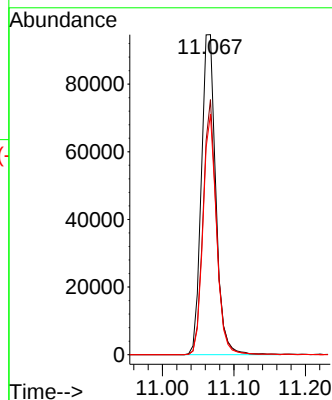
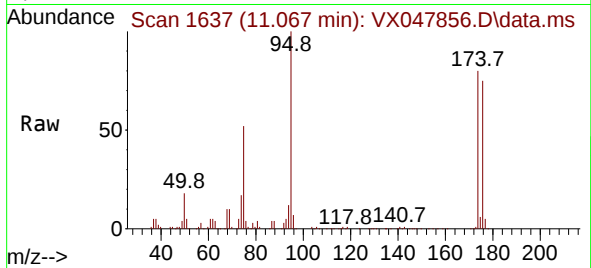




#62
4-Bromofluorobenzene
Concen: 55.447 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

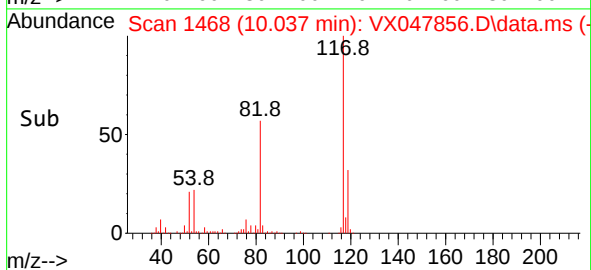
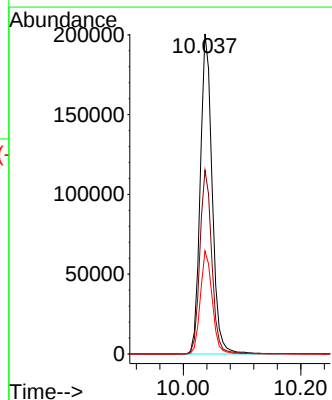
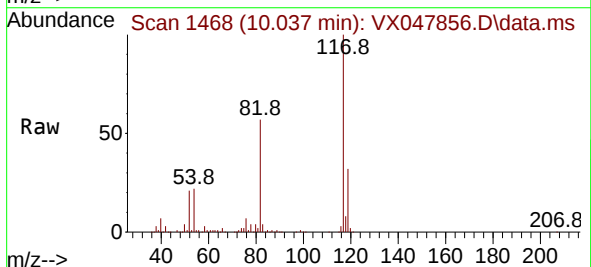
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

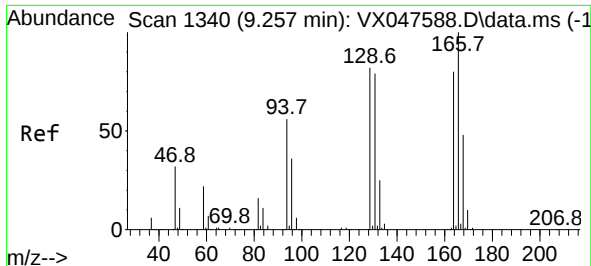
Tgt Ion: 95 Resp: 132823
Ion Ratio Lower Upper
95 100
174 74.0 0.0 141.6
176 70.6 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion: 117 Resp: 282345
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.6
119 32.2 25.2 37.8

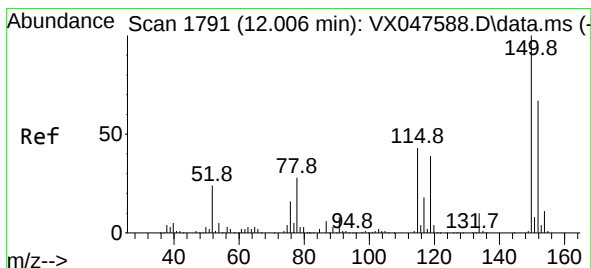
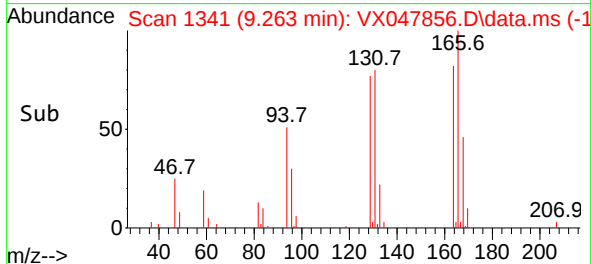
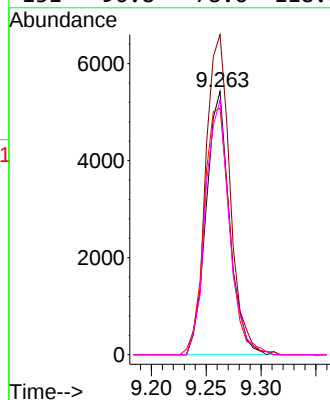
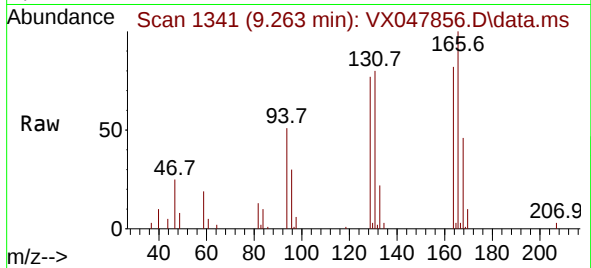




#64
Tetrachloroethene
Concen: 4.350 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

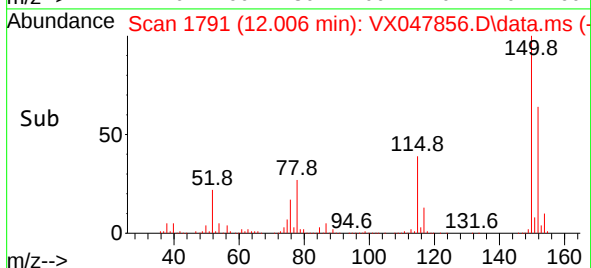
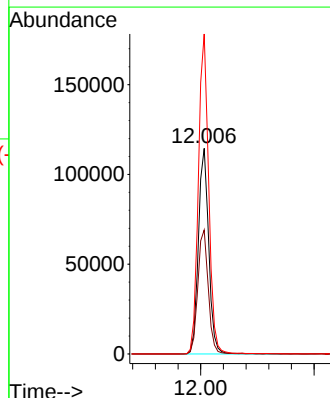
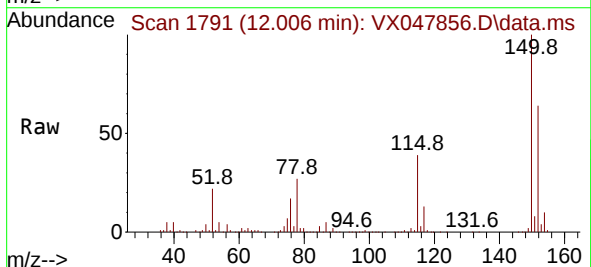
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

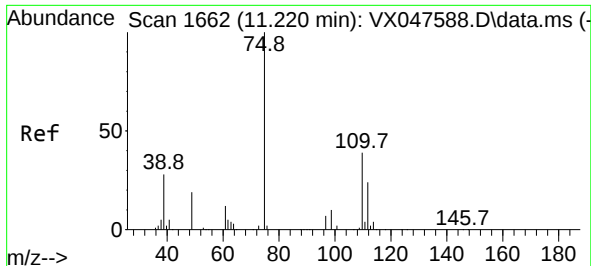
Tgt Ion:164	Resp:	8006
Ion	Ratio	Lower Upper
164	100	
166	121.6	100.2 150.2
129	93.7	81.8 122.6
131	96.8	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

Tgt Ion:152	Resp:	144496
Ion	Ratio	Lower Upper
152	100	
115	61.1	44.9 134.5
150	155.3	0.0 352.0

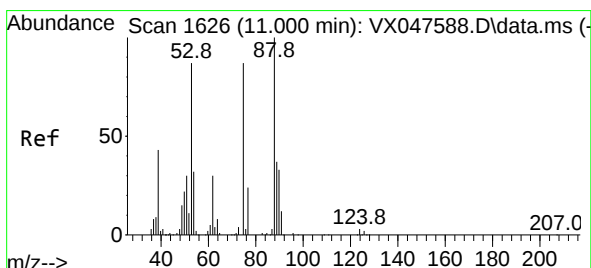
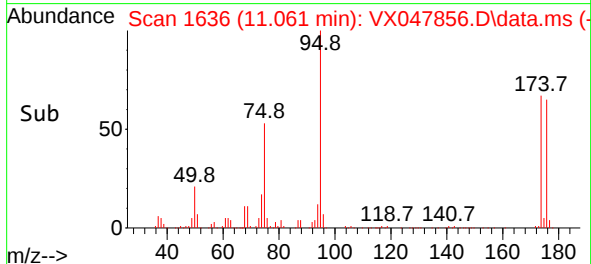
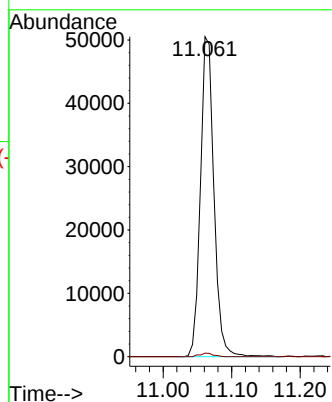
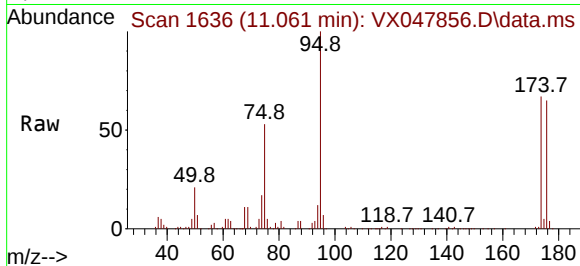




#76
1,2,3-Trichloropropane
Concen: 23.728 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

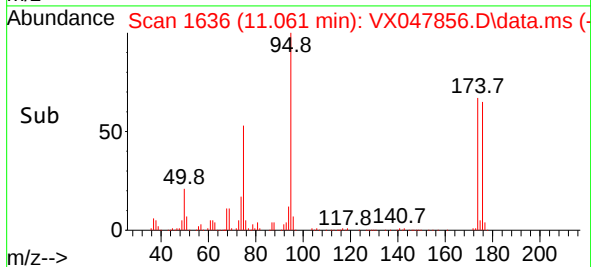
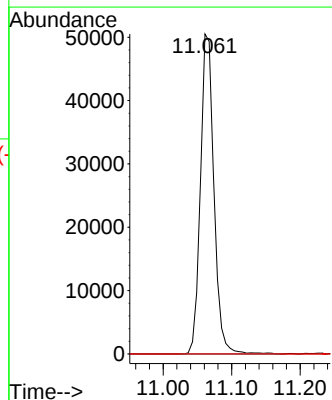
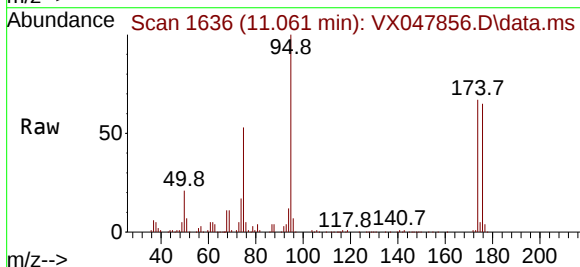
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250918DL

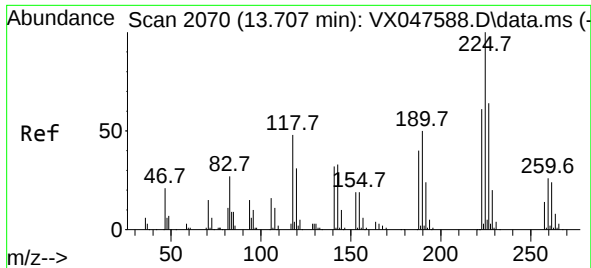
Tgt Ion: 75 Resp: 69419
Ion Ratio Lower Upper
75 100
77 1.1 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.510 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047856.D
Acq: 26 Sep 2025 14:25

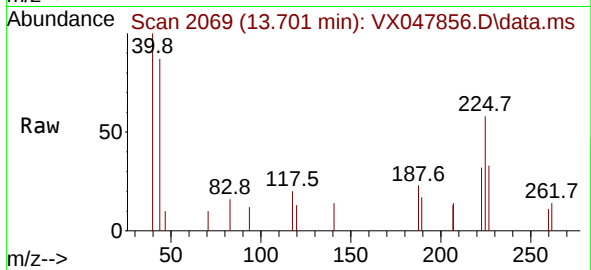
Tgt Ion: 75 Resp: 69419
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.342 ug/l
 RT: 13.701 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX047856.D
 Acq: 26 Sep 2025 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20250918DL



Tgt Ion:	225	Resp:	362
Ion	Ratio	Lower	Upper
225	100		
223	52.2	31.7	95.1
227	52.8	32.0	96.0

