

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047614.D
 Acq On : 17 Sep 2025 13:45
 Operator : JC/MD
 Sample : Q3095-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20250909

Quant Time: Sep 22 03:06:44 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)

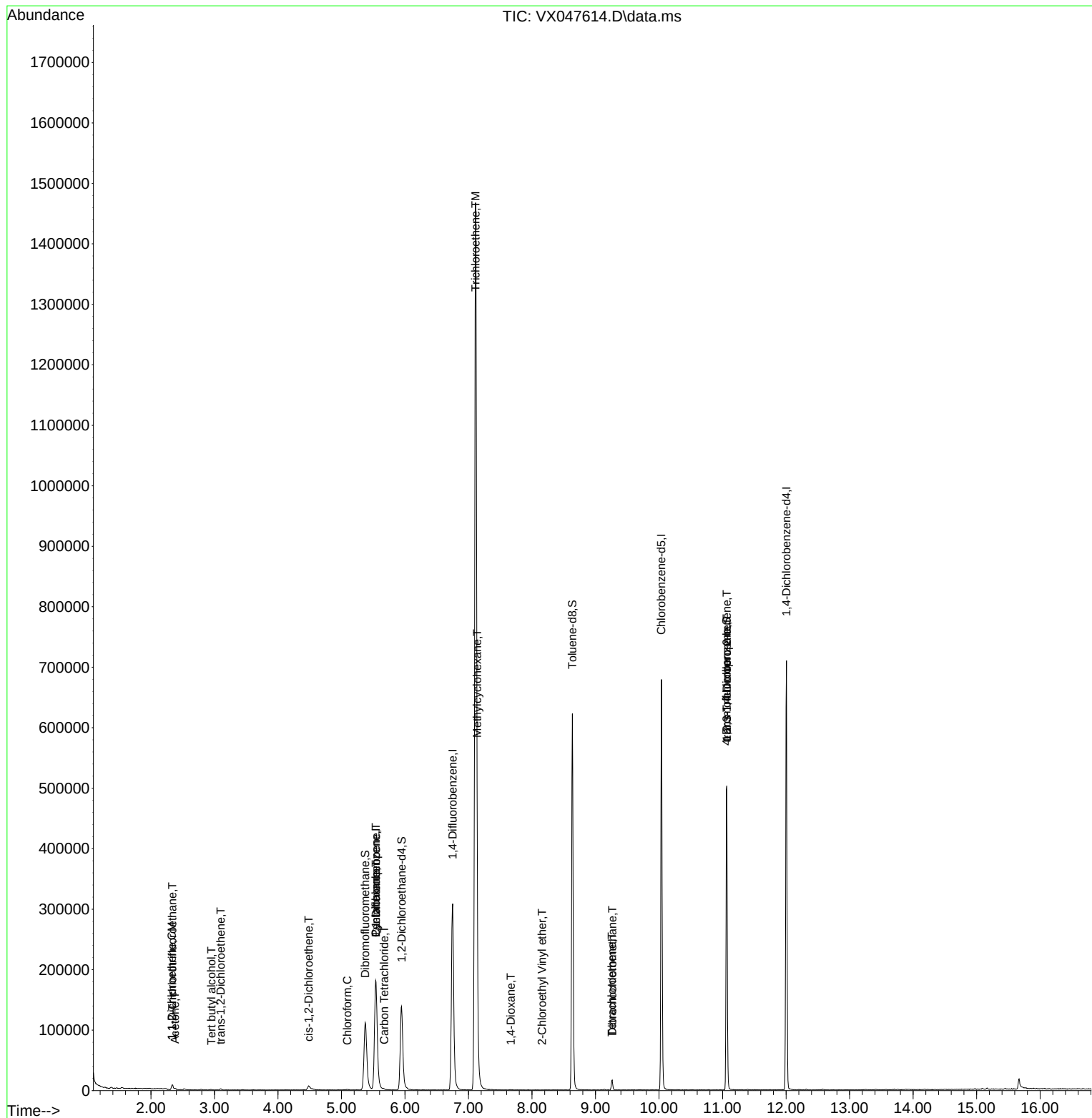
Internal Standards						
1) Pentafluorobenzene	5.544	168	181930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	299325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	150142	51.847	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.700%			
35) Dibromofluoromethane	5.373	113	109089	48.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.600%			
50) Toluene-d8	8.635	98	377035	48.246	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.500%			
62) 4-Bromofluorobenzene	11.061	95	144836	48.835	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.660%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3160	1.502	ug/l	98
11) Tert butyl alcohol	2.953	59	417	1.293	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	620	0.287	ug/l #	82
16) Acetone	2.380	43	2916	2.316	ug/l #	80
21) trans-1,2-Dichloroethene	3.099	96	912	0.392	ug/l #	74
27) cis-1,2-Dichloroethene	4.483	96	4573	1.605	ug/l	93
30) Chloroform	5.092	83	957	0.206	ug/l	90
31) Cyclohexane	5.544	56	4176	1.091	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	15779	4.781	ug/l #	52
38) Carbon Tetrachloride	5.672	117	1102	0.307	ug/l #	77
39) Methylcyclohexane	7.135	83	6978	1.863	ug/l #	1
44) Trichloroethene	7.110	130	605036	249.674	ug/l	98
49) 1,4-Dioxane	7.665	88	262	8.981	ug/l #	65
58) 2-Chloroethyl Vinyl ether	8.159	63	157	7.981	ug/l #	47
60) Dibromochloromethane	9.262	129	3286	1.198	ug/l #	11
64) Tetrachloroethene	9.256	164	3442	1.764	ug/l #	78
76) 1,2,3-Trichloropropane	11.067	75	77424	26.626	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	77424	67.900	ug/l #	8

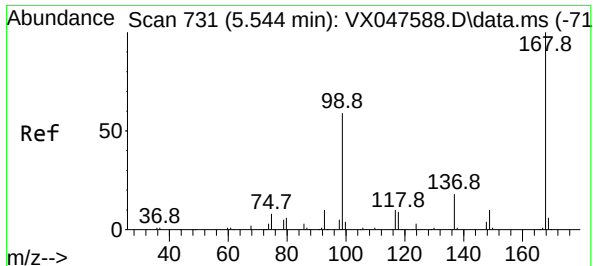
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

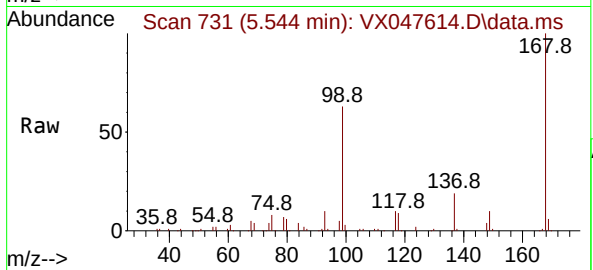
Quant Time: Sep 22 03:06:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



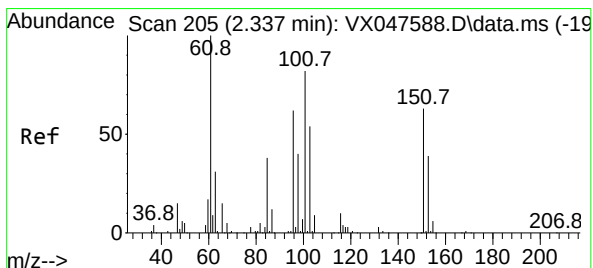
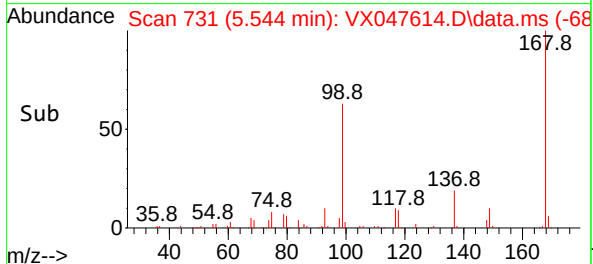
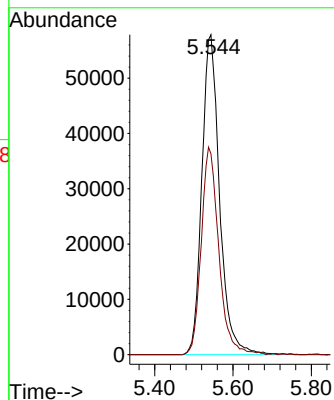


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

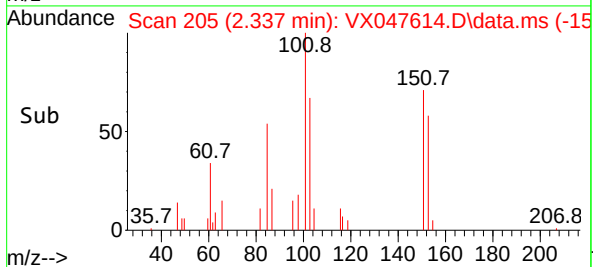
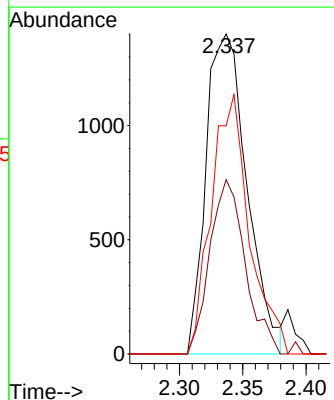
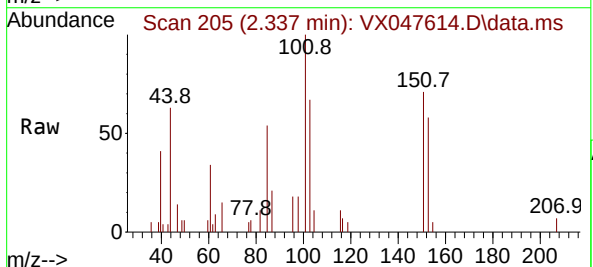


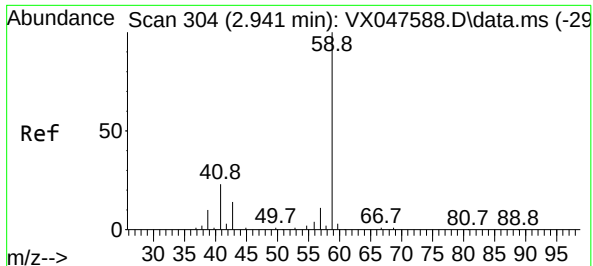
Tgt Ion:168 Resp: 181930
Ion Ratio Lower Upper
168 100
99 62.8 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.502 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion:101 Resp: 3160
Ion Ratio Lower Upper
101 100
85 47.1 35.5 53.3
151 75.0 59.4 89.0

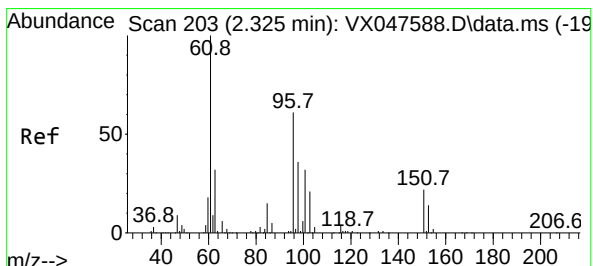
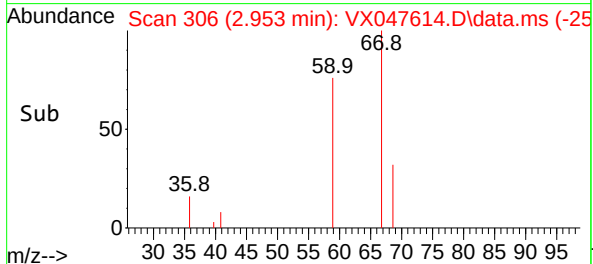
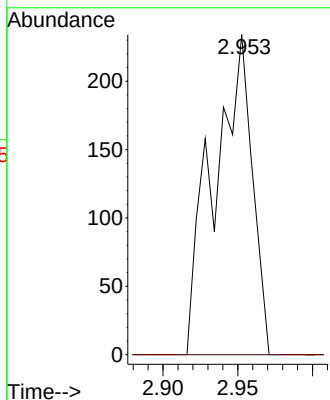
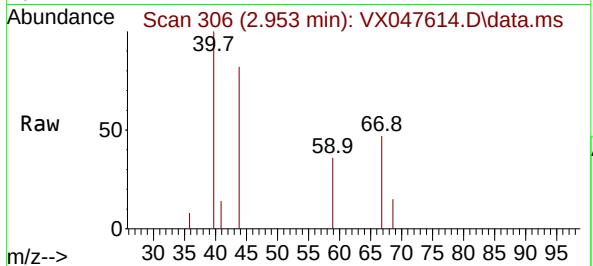




#11
Tert butyl alcohol
Concen: 1.293 ug/l
RT: 2.953 min Scan# 304
Delta R.T. 0.012 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

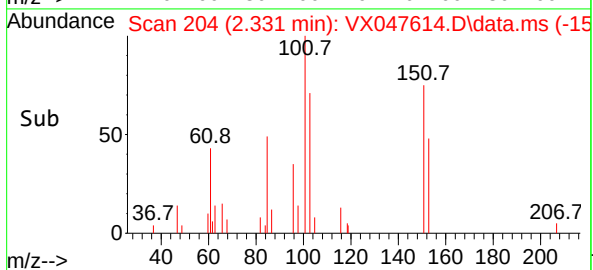
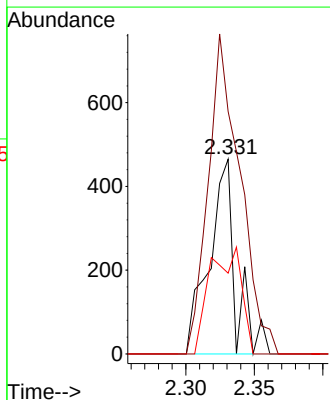
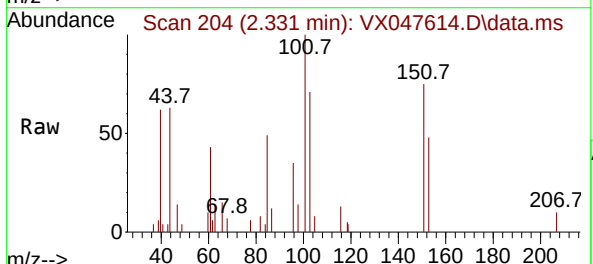
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

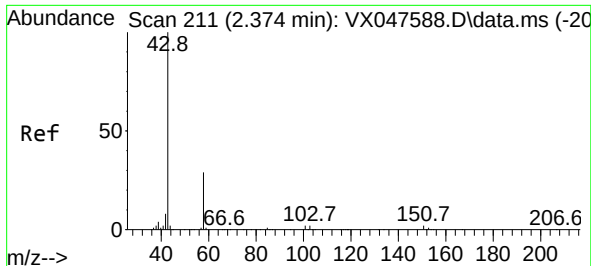
Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.287 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 96 Resp: 620
Ion Ratio Lower Upper
96 100
61 141.9 131.0 196.6
98 41.5 47.7 71.5#

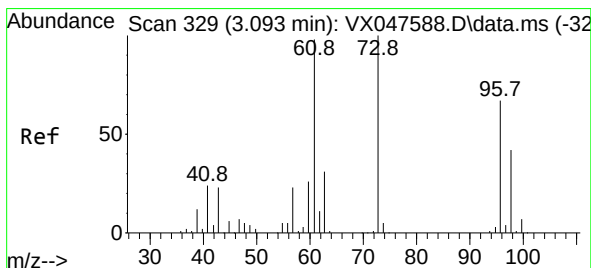
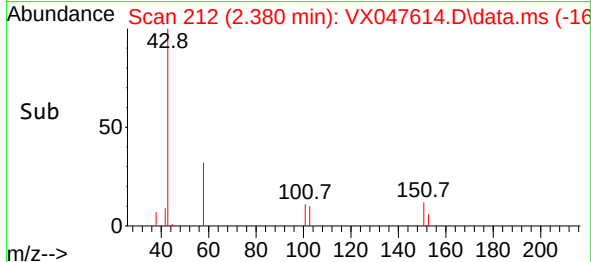
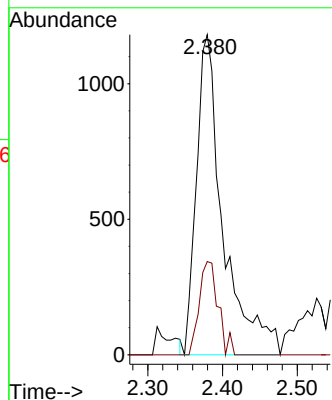
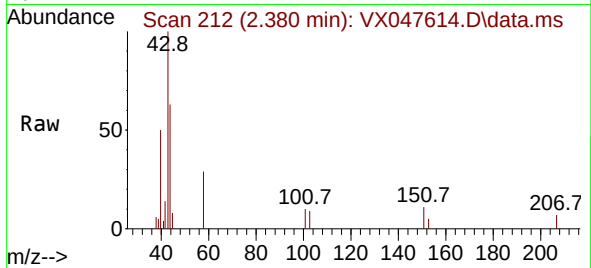




#16
Acetone
Concen: 2.316 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

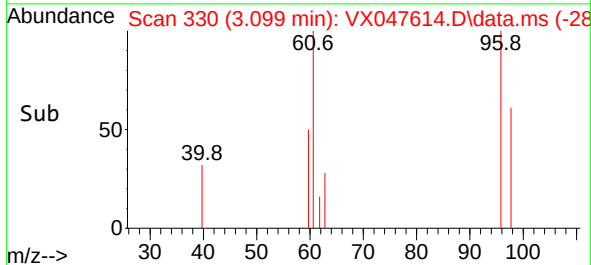
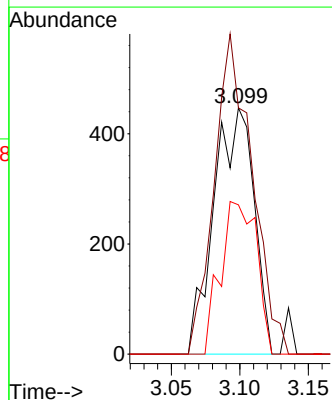
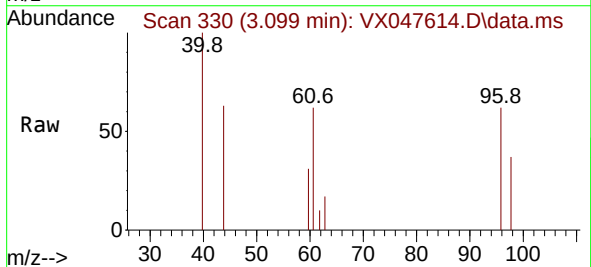
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

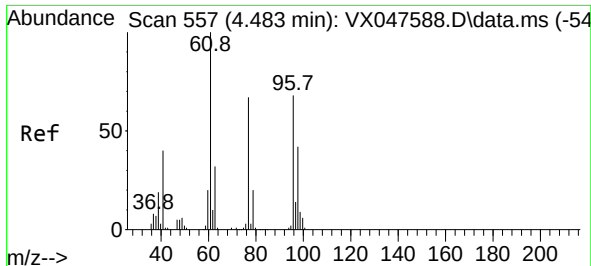
Tgt Ion: 43 Resp: 2916
Ion Ratio Lower Upper
43 100
58 18.4 23.4 35.0#



#21
trans-1,2-Dichloroethene
Concen: 0.392 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 96 Resp: 912
Ion Ratio Lower Upper
96 100
61 100.0 116.2 174.2#
98 60.6 49.3 73.9

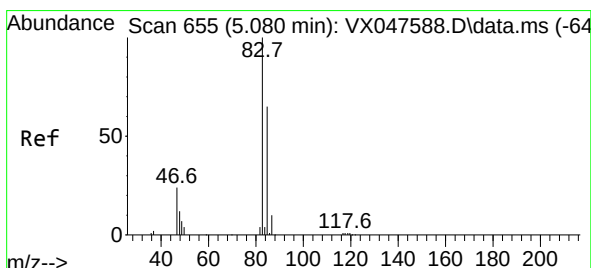
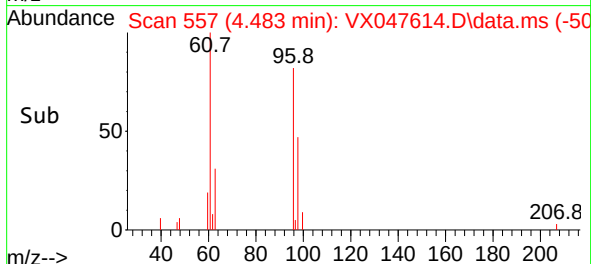
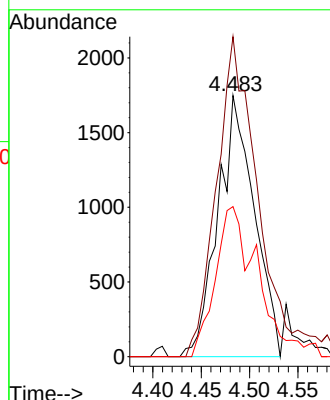
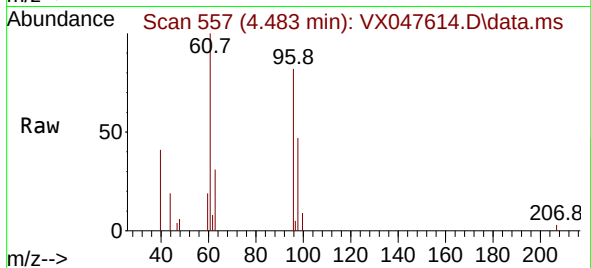




#27
 cis-1,2-Dichloroethene
 Concen: 1.605 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX047614.D
 Acq: 17 Sep 2025 13:45

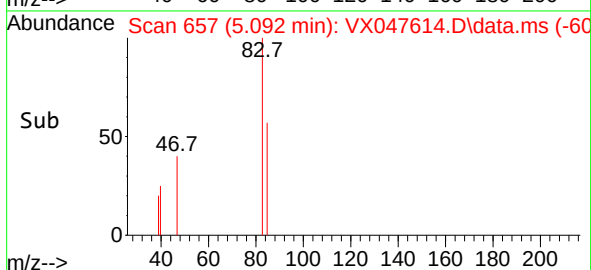
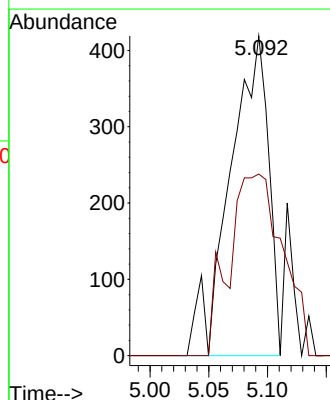
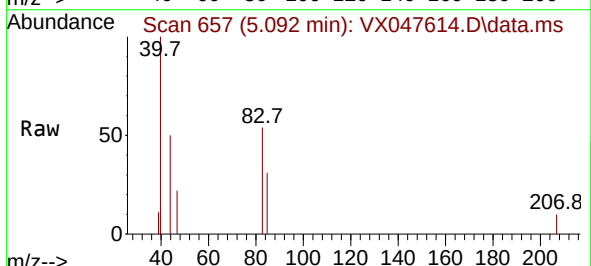
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20250909

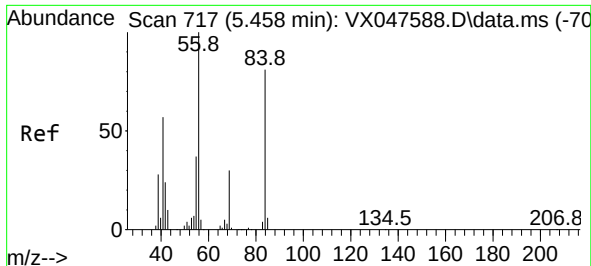
Tgt Ion:	96	Resp:	4573
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	303.2
98	67.5	0.0	127.8



#30
 Chloroform
 Concen: 0.206 ug/l
 RT: 5.092 min Scan# 657
 Delta R.T. 0.012 min
 Lab File: VX047614.D
 Acq: 17 Sep 2025 13:45

Tgt Ion:	83	Resp:	957
Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.8	77.6

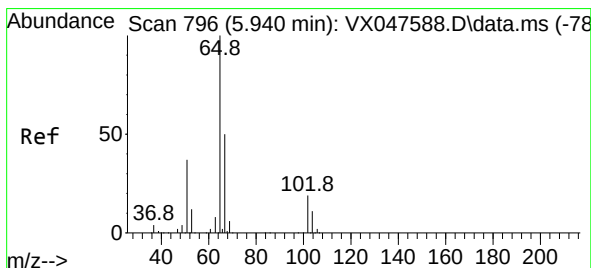
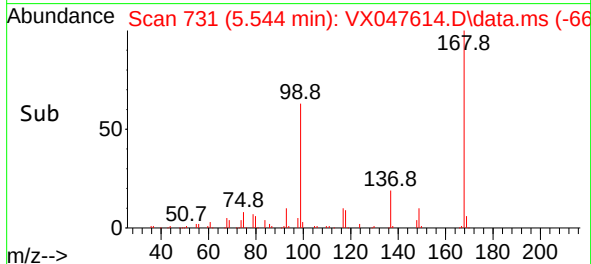
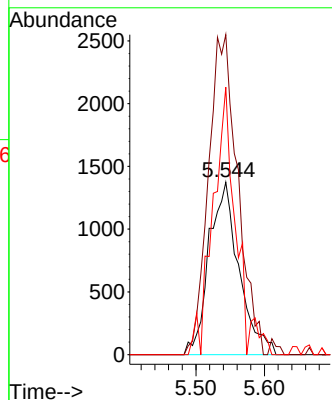
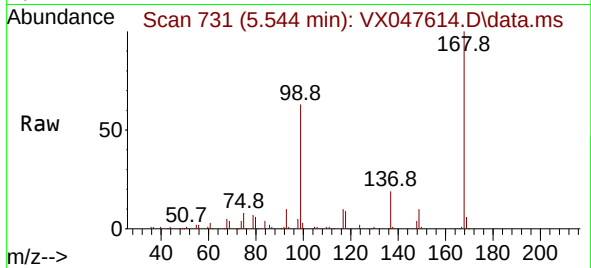




#31
Cyclohexane
Concen: 1.091 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

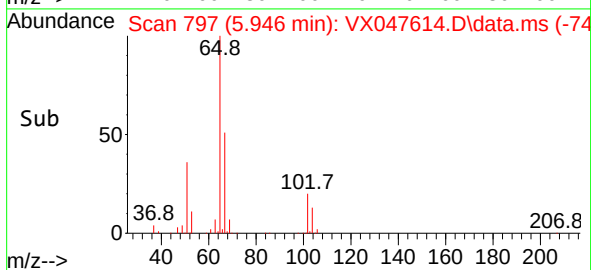
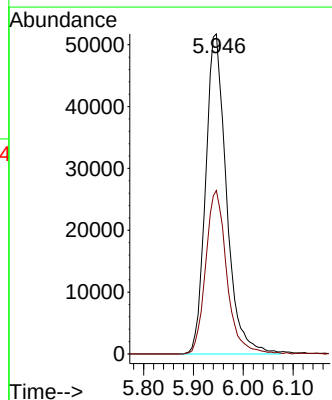
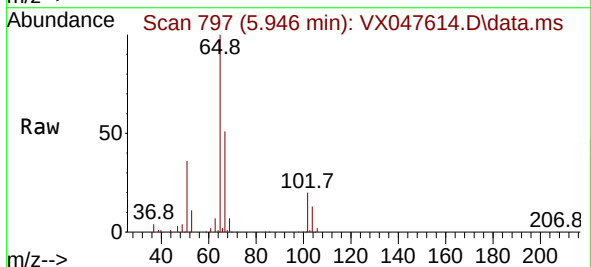
Instrument :
MSVOA_X
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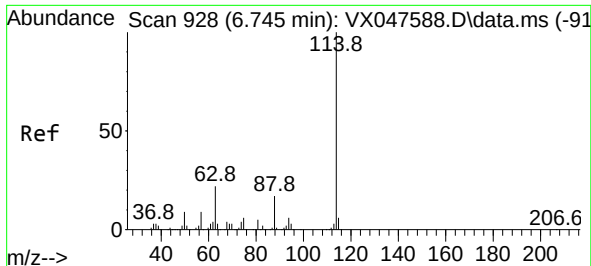
Tgt Ion: 56 Resp: 4176
Ion Ratio Lower Upper
56 100
69 185.6 23.8 35.8#
84 155.2 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 51.847 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 65 Resp: 150142
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0

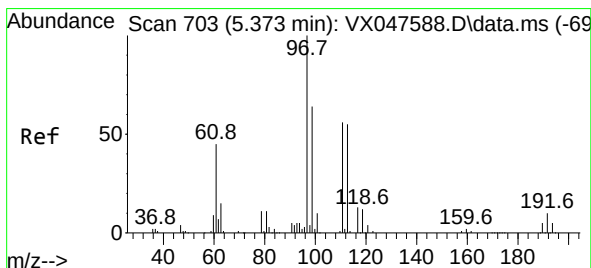
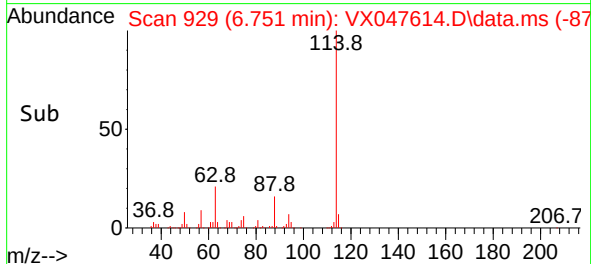
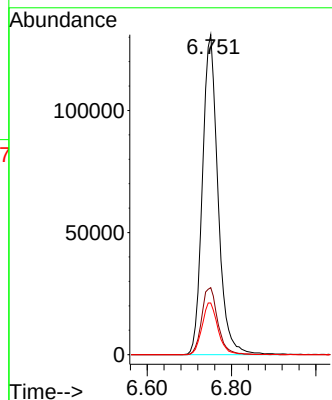
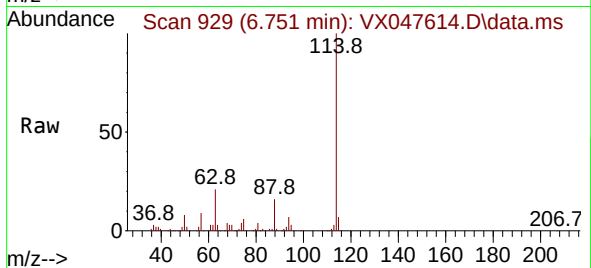




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

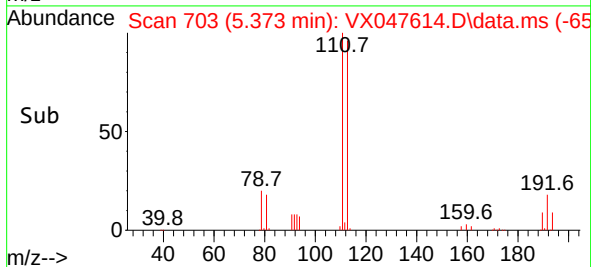
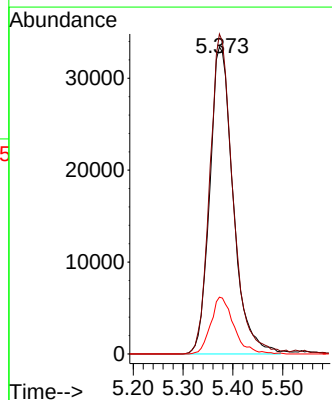
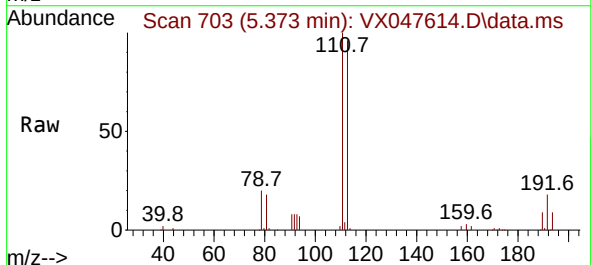
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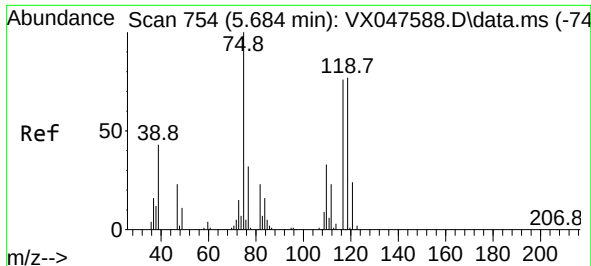
Tgt Ion:114 Resp: 336757
Ion Ratio Lower Upper
114 100
63 21.0 0.0 44.0
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.302 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

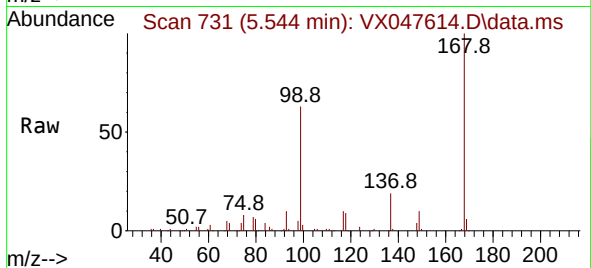
Tgt Ion:113 Resp: 109089
Ion Ratio Lower Upper
113 100
111 103.0 80.9 121.3
192 18.3 14.2 21.4



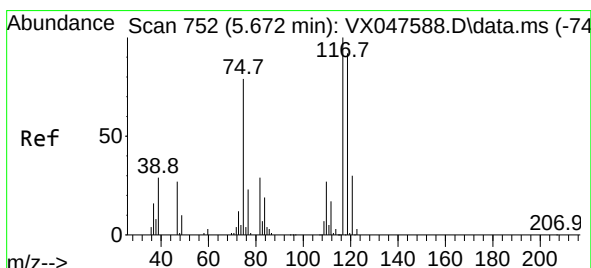
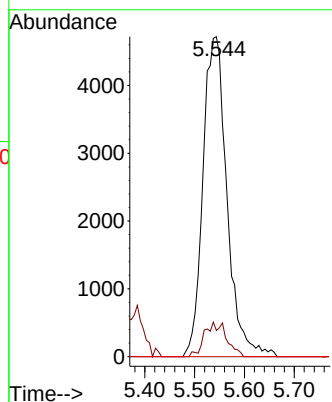
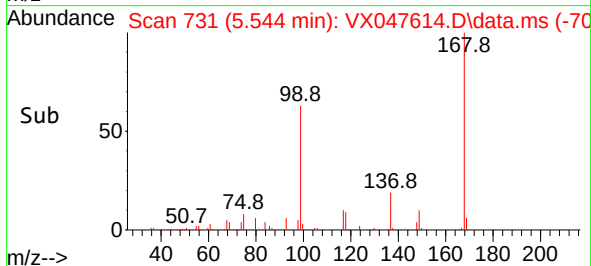


#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

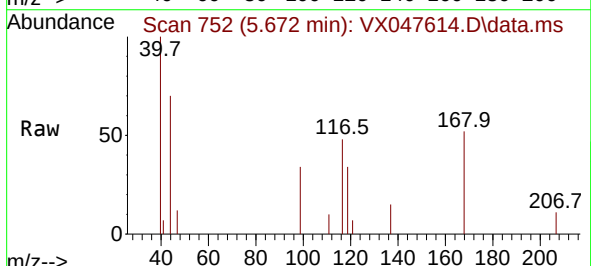
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909



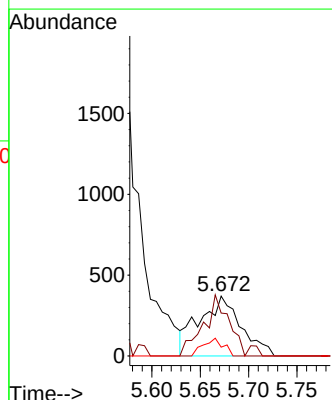
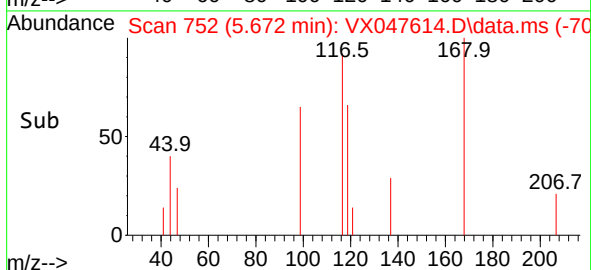
Tgt Ion: 75 Resp: 15779
Ion Ratio Lower Upper
75 100
110 9.9 16.7 50.1#
77 0.0 24.3 36.5#

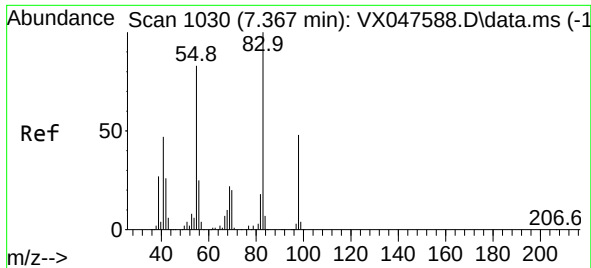


#38
Carbon Tetrachloride
Concen: 0.307 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45



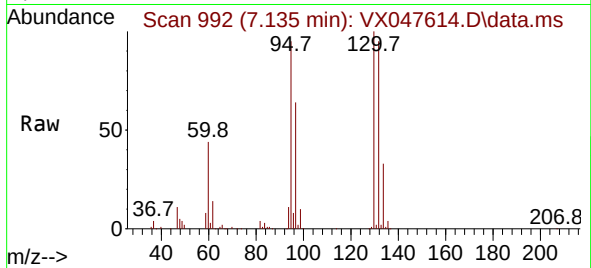
Tgt Ion: 117 Resp: 1102
Ion Ratio Lower Upper
117 100
119 71.9 73.4 110.2#
121 14.9 23.8 35.6#



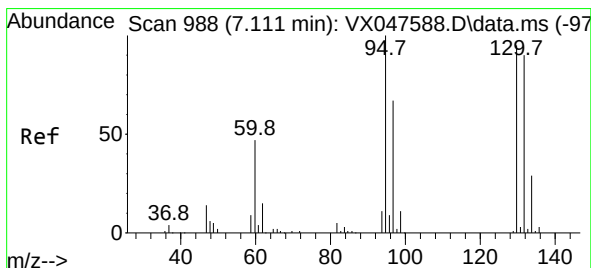
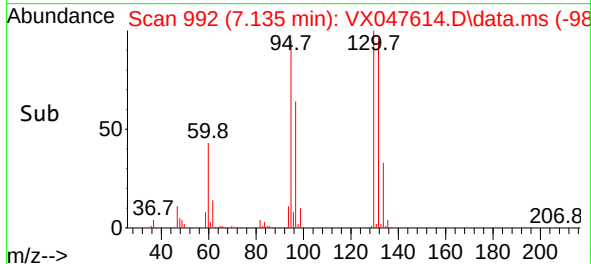
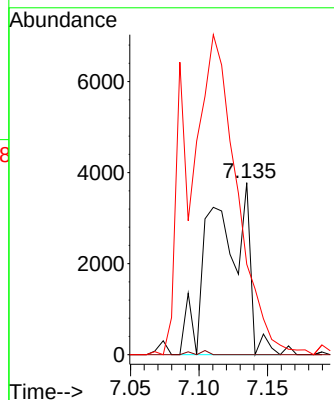


#39
Methylcyclohexane
Concen: 1.863 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.232 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

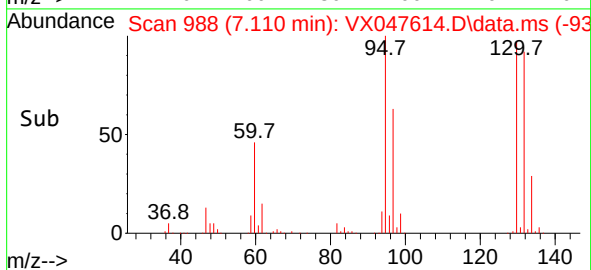
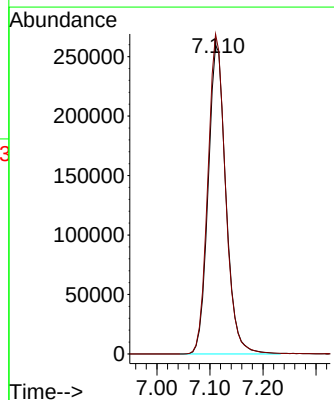
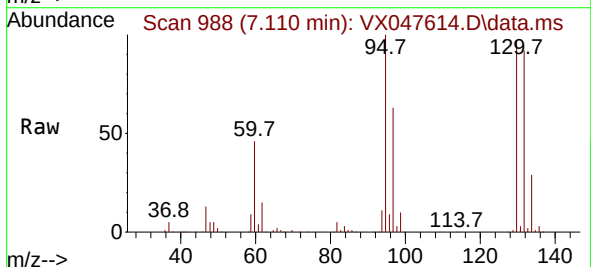


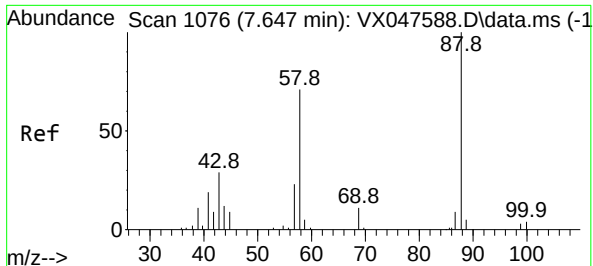
Tgt Ion: 83 Resp: 6978
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 302.4 38.1 57.1#



#44
Trichloroethene
Concen: 249.674 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion:130 Resp: 605036
Ion Ratio Lower Upper
130 100
95 103.6 0.0 210.8





#49

1,4-Dioxane

Concen: 8.981 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VX047614.D

Acq: 17 Sep 2025 13:45

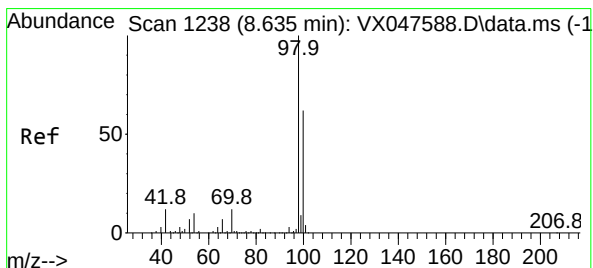
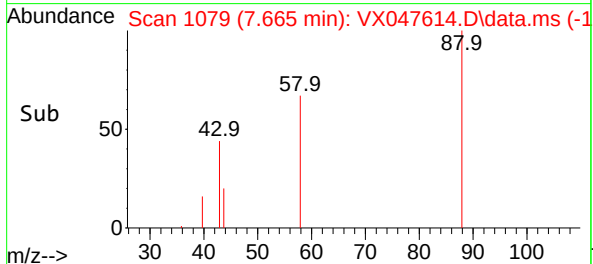
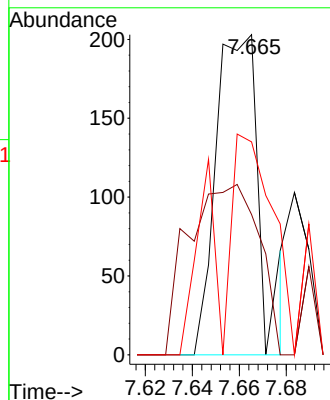
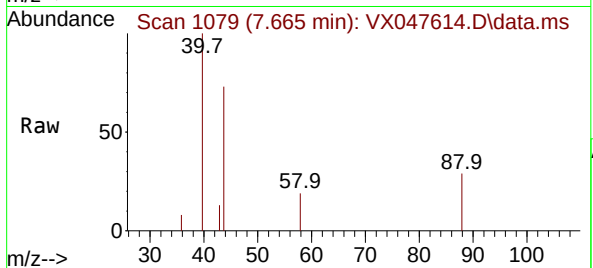
Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20250909

Tgt Ion:	88	Resp:	262
Ion	Ratio	Lower	Upper
88	100		
43	86.3	30.2	45.2#
58	64.1	59.5	89.3



#50

Toluene-d8

Concen: 48.246 ug/l

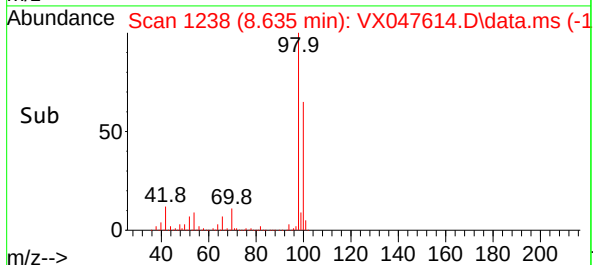
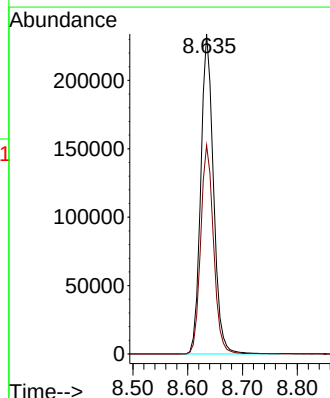
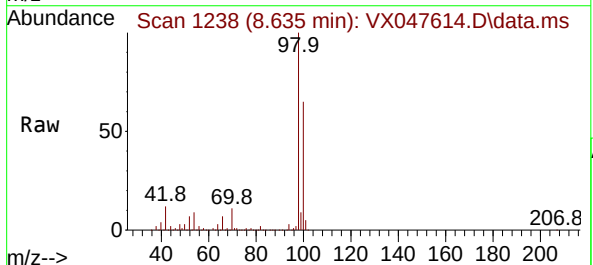
RT: 8.635 min Scan# 1238

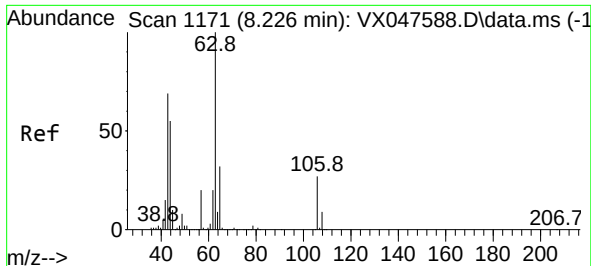
Delta R.T. -0.000 min

Lab File: VX047614.D

Acq: 17 Sep 2025 13:45

Tgt Ion:	98	Resp:	377035
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

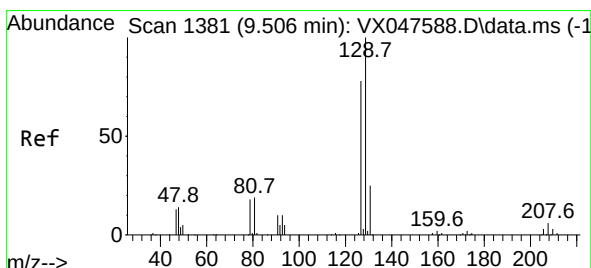
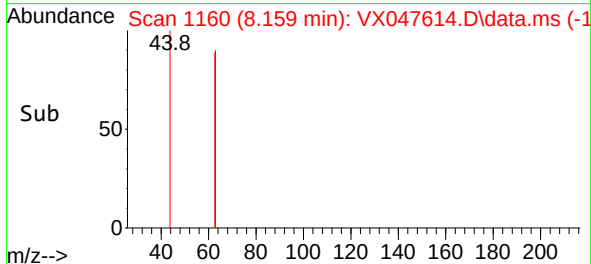
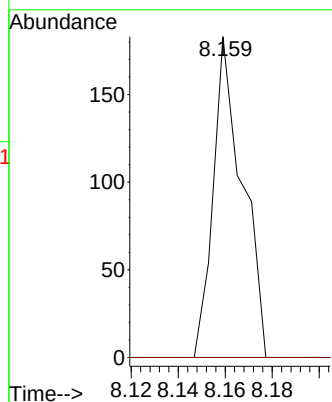
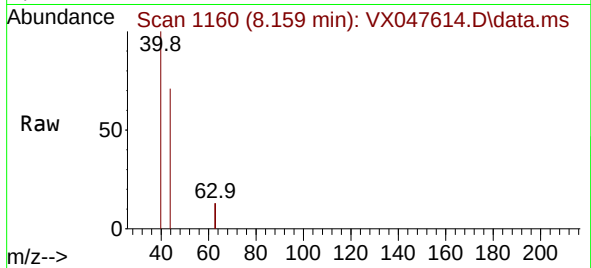




#58
2-Chloroethyl Vinyl ether
Concen: 7.981 ug/l
RT: 8.159 min Scan# 1160
Delta R.T. -0.067 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

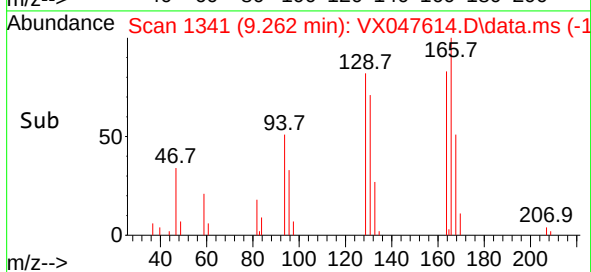
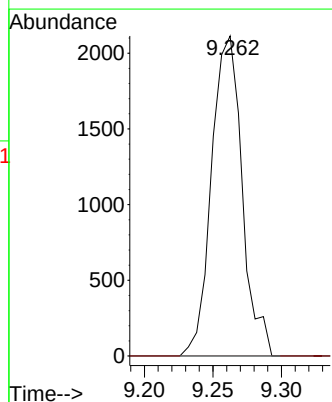
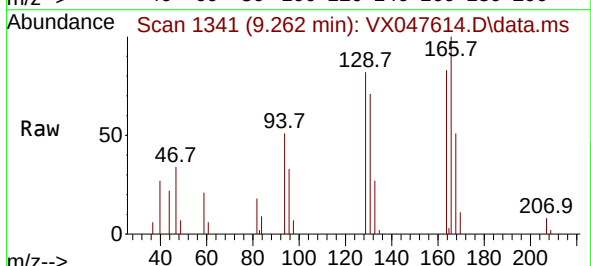
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

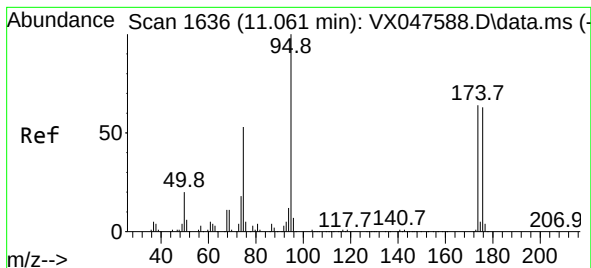
Tgt Ion: 63 Resp: 157
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#60
Dibromochloromethane
Concen: 1.198 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 129 Resp: 3286
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

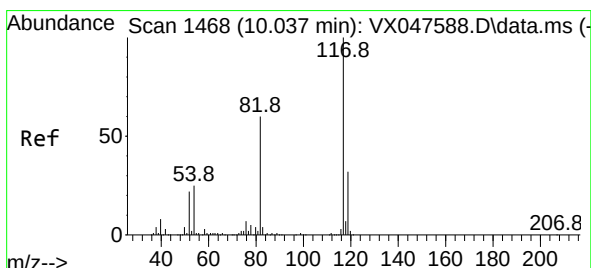
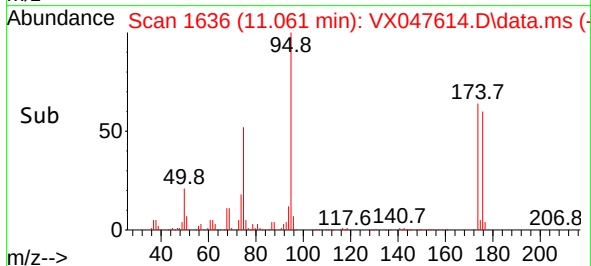
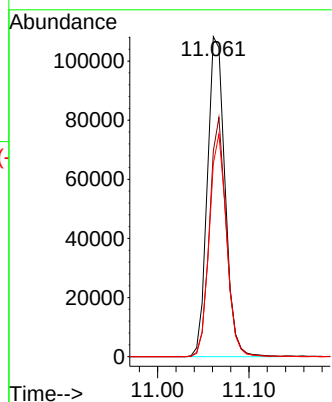
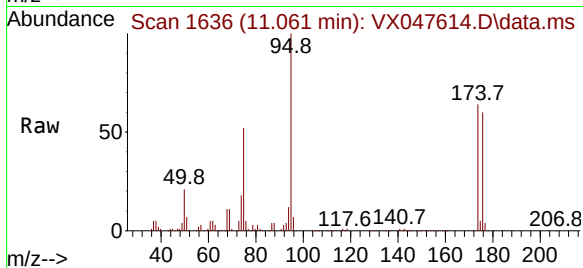




#62
4-Bromofluorobenzene
Concen: 48.835 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

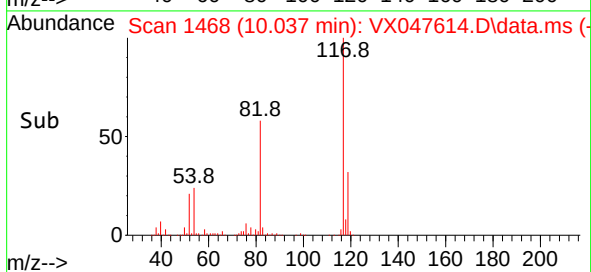
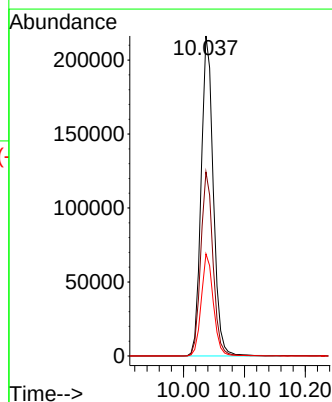
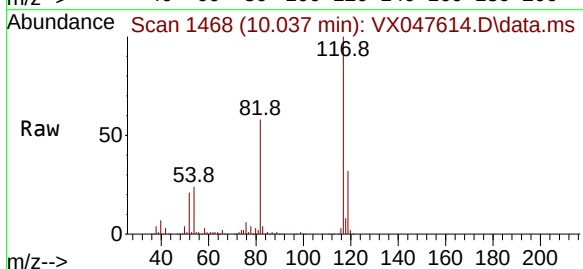
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

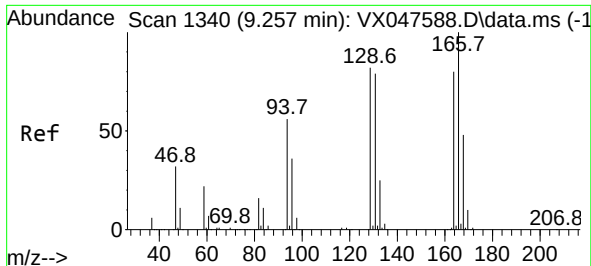
Tgt Ion: 95 Resp: 144836
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 68.2 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 117 Resp: 299325
Ion Ratio Lower Upper
117 100
82 57.5 47.8 71.6
119 31.9 25.2 37.8

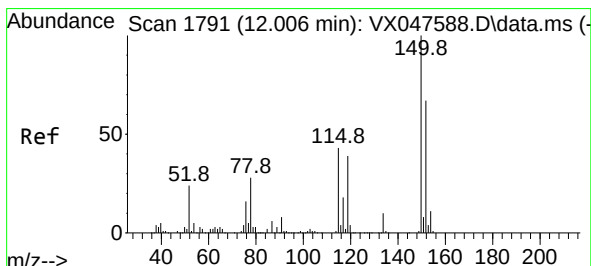
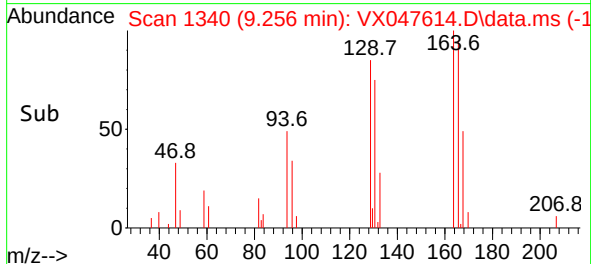
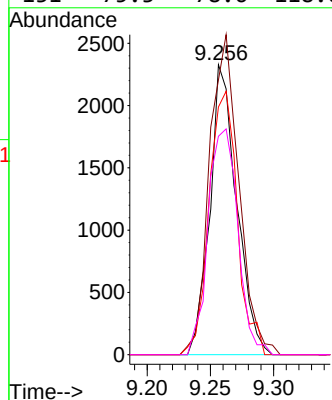
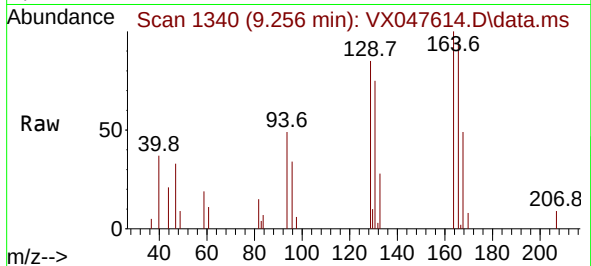




#64
Tetrachloroethene
Concen: 1.764 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

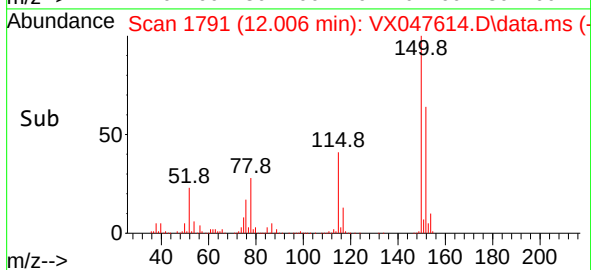
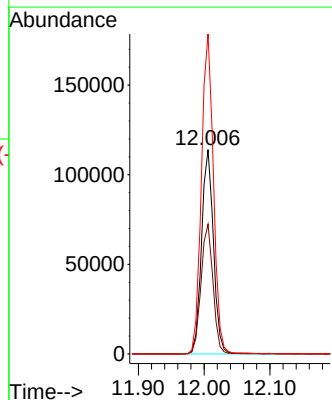
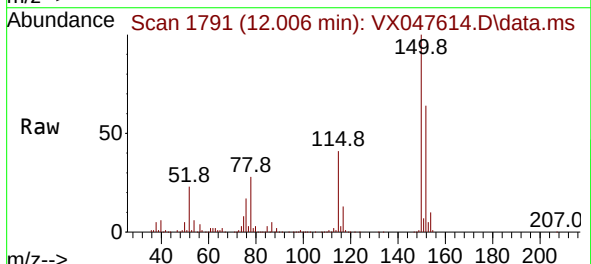
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

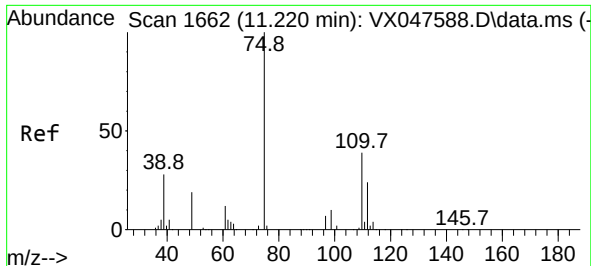
Tgt Ion:164	Resp:	3442	
Ion	Ratio	Lower	Upper
164	100		
166	94.7	100.2	150.2#
129	85.4	81.8	122.6
131	75.3	78.6	118.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion:152	Resp:	143619	
Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.9	134.5
150	158.4	0.0	352.0

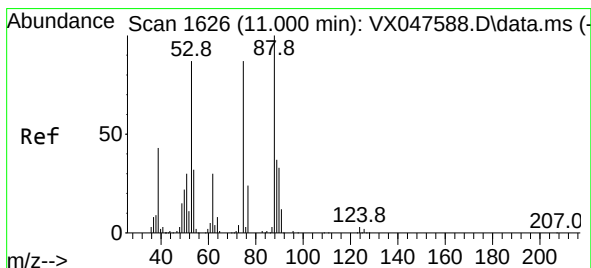
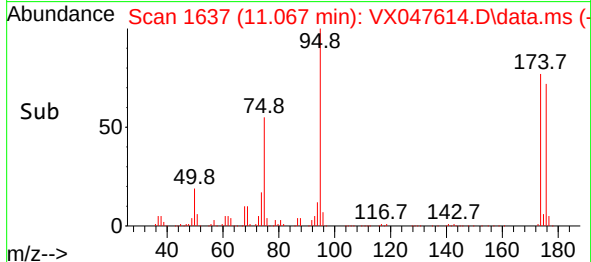
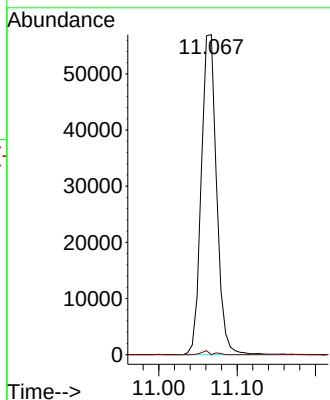
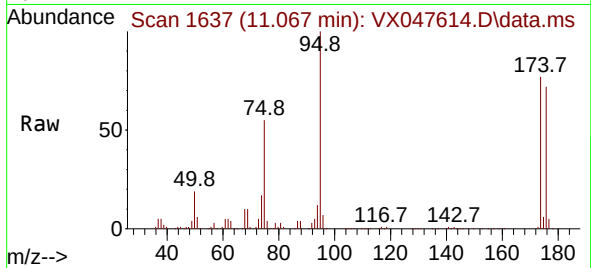




#76
1,2,3-Trichloropropane
Concen: 26.626 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.153 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion: 75 Resp: 77424
Ion Ratio Lower Upper
75 100
77 0.8 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.900 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 75 Resp: 77424
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

