

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047836.D
 Acq On : 26 Sep 2025 05:58
 Operator : JC/MD
 Sample : Q3156-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20250918

Quant Time: Sep 26 06:57:20 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)

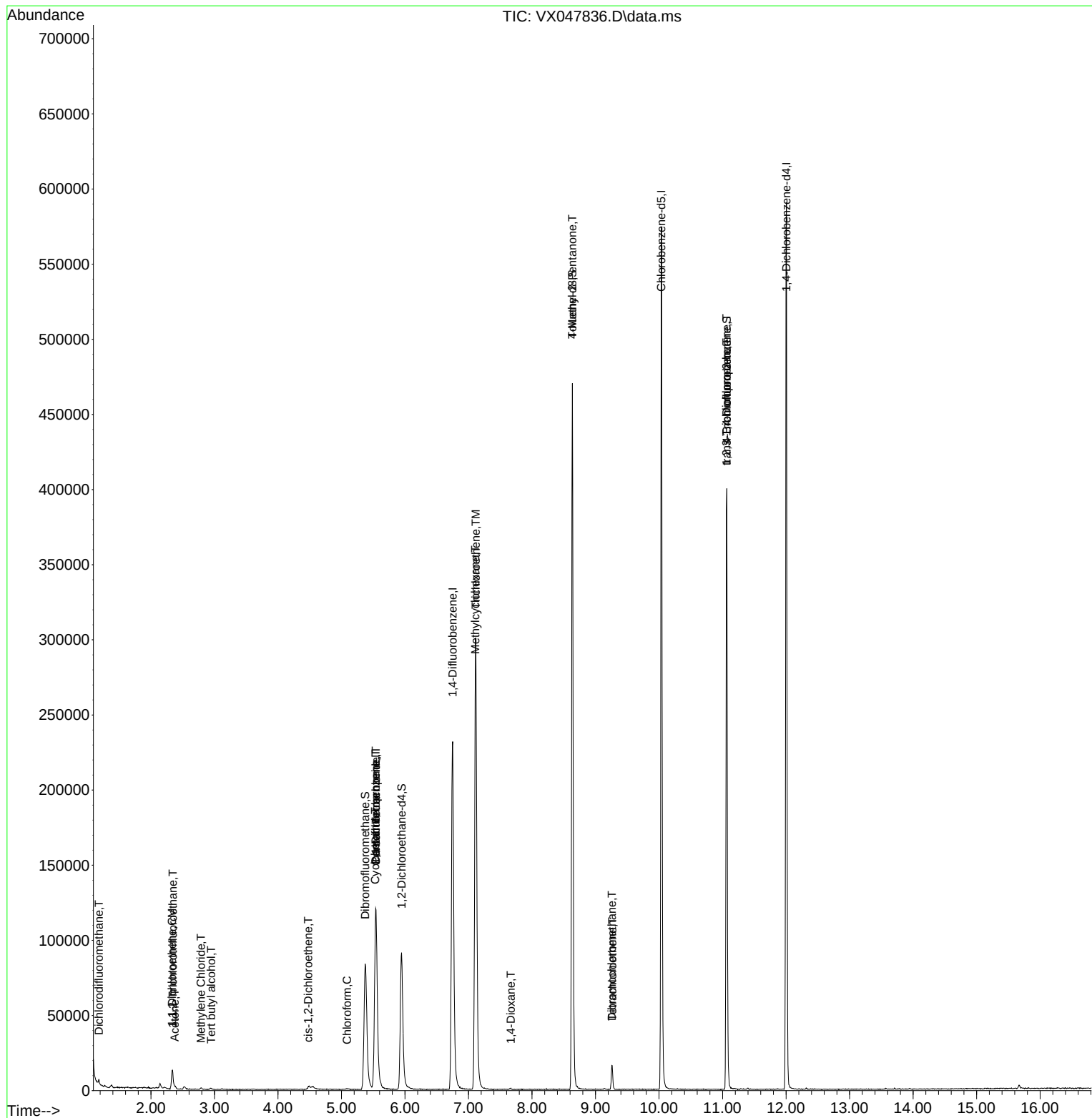
Internal Standards						
1) Pentafluorobenzene	5.538	168	122520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	255492	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99183	50.858	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.720%			
35) Dibromofluoromethane	5.373	113	82450	48.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.240%			
50) Toluene-d8	8.635	98	284527	47.989	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.980%			
62) 4-Bromofluorobenzene	11.067	95	117745	52.328	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	1073	0.846	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.343	101	5346	3.772	ug/l	97
11) Tert butyl alcohol	2.947	59	188	0.866	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	697	0.479	ug/l #	77
16) Acetone	2.374	43	1447	1.706	ug/l #	79
20) Methylene Chloride	2.788	84	509	0.284	ug/l #	64
27) cis-1,2-Dichloroethene	4.477	96	1465	0.763	ug/l #	67
30) Chloroform	5.087	83	646	0.207	ug/l	89
31) Cyclohexane	5.532	56	2560	0.993	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10394	4.151	ug/l #	50
38) Carbon Tetrachloride	5.544	117	12849	4.723	ug/l #	18
39) Methylcyclohexane	7.104	83	2629	0.925	ug/l #	1
44) Trichloroethene	7.117	130	129214	70.282	ug/l	93
49) 1,4-Dioxane	7.665	88	346	15.633	ug/l	98
51) 4-Methyl-2-Pentanone	8.635	43	1528	0.627	ug/l #	1
60) Dibromochloromethane	9.256	129	3416	1.641	ug/l #	11
64) Tetrachloroethene	9.263	164	3225	1.919	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	61482	24.020	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	61482	61.255	ug/l #	8

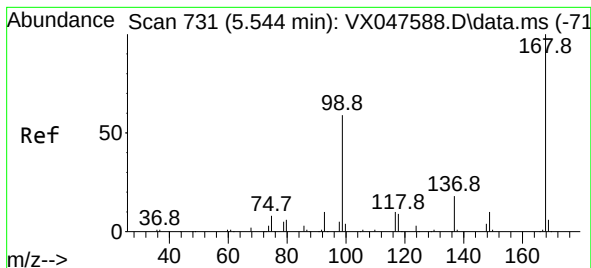
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX047836.D

Acq: 26 Sep 2025 05:58

Instrument :

MSVOA_X

ClientSampleId :

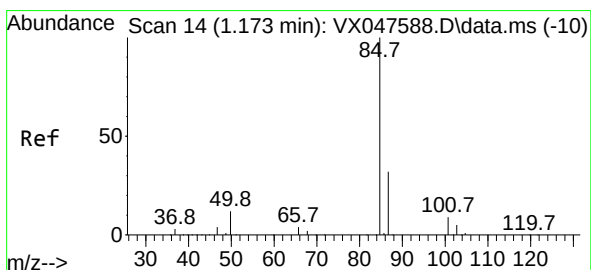
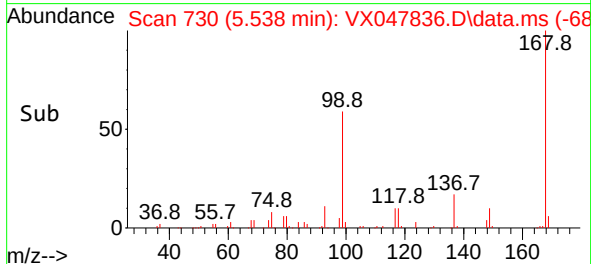
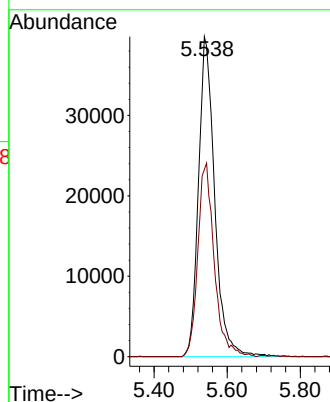
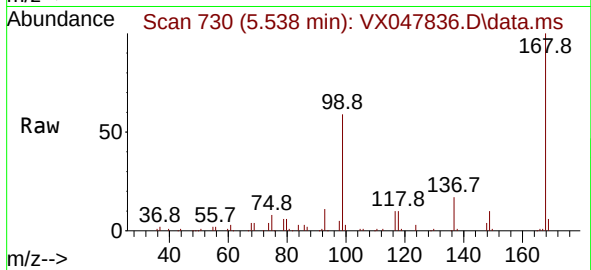
RE132D3-20250918

Tgt Ion:168 Resp: 122520

Ion Ratio Lower Upper

168 100

99 58.5 48.8 73.2



#2

Dichlorodifluoromethane

Concen: 0.846 ug/l

RT: 1.179 min Scan# 15

Delta R.T. 0.006 min

Lab File: VX047836.D

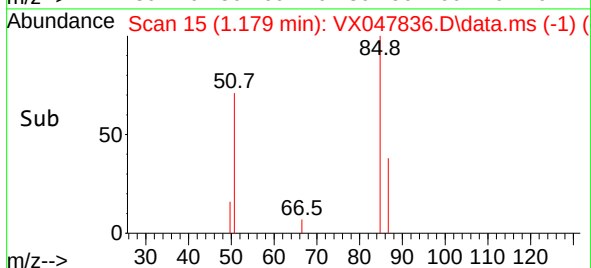
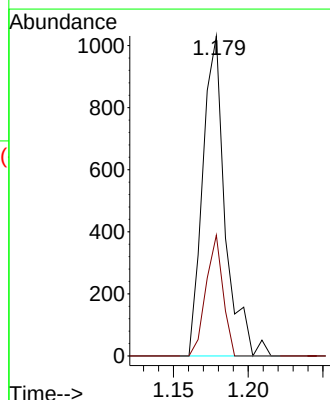
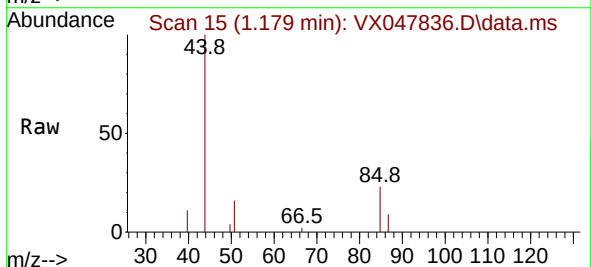
Acq: 26 Sep 2025 05:58

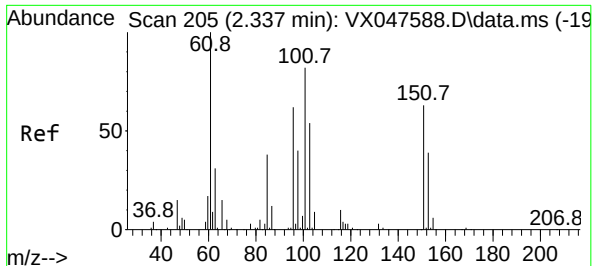
Tgt Ion: 85 Resp: 1073

Ion Ratio Lower Upper

85 100

87 37.7 15.8 47.3

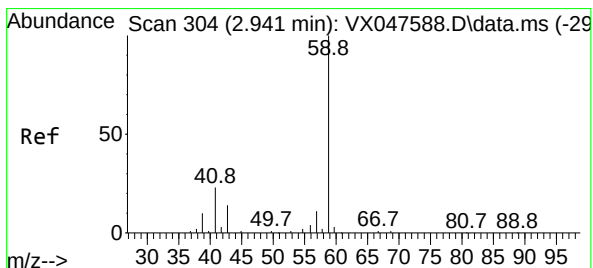
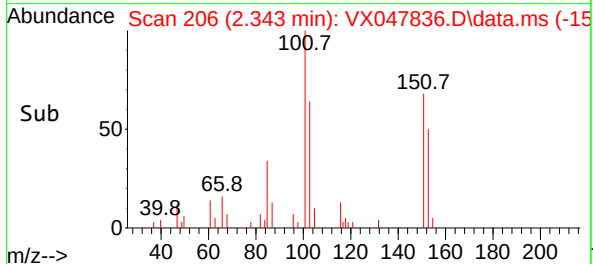
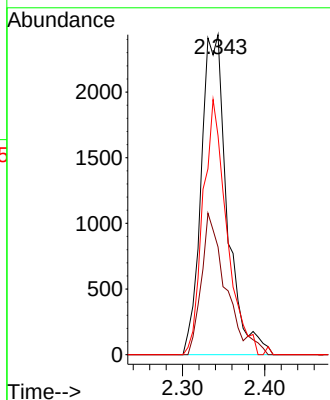
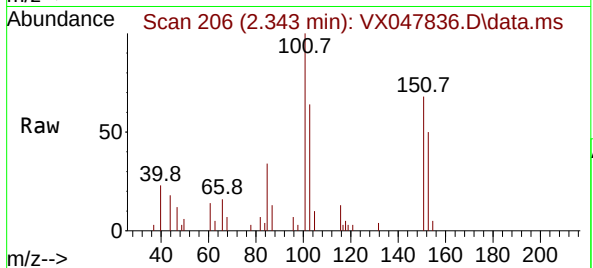




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.772 ug/l
RT: 2.343 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

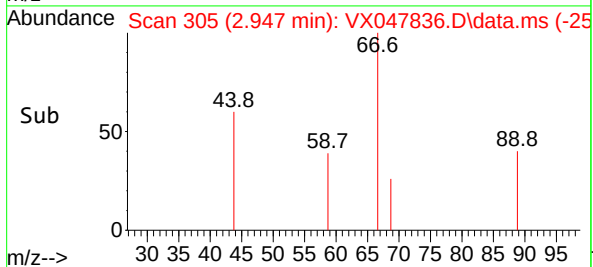
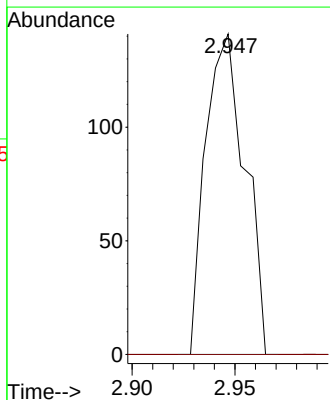
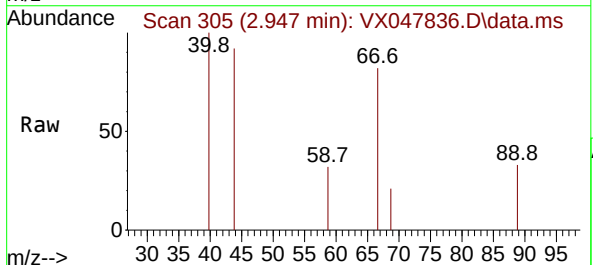
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250918

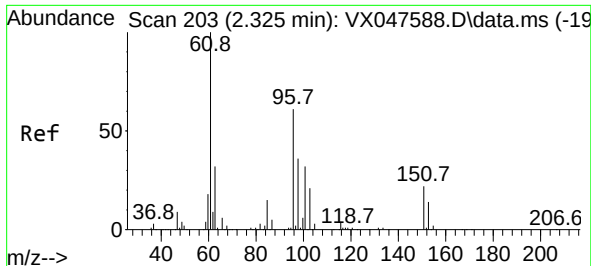
Tgt Ion:101 Resp: 5346
Ion Ratio Lower Upper
101 100
85 41.8 35.5 53.3
151 72.6 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.866 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.479 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX047836.D

Acq: 26 Sep 2025 05:58

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20250918

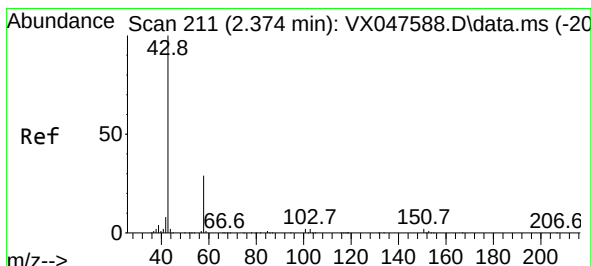
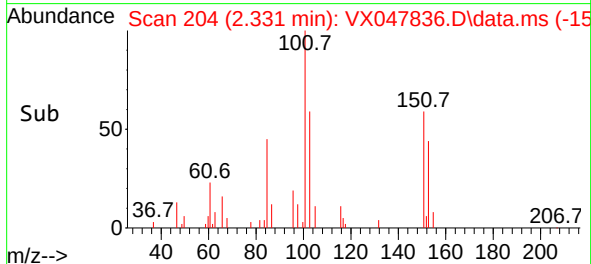
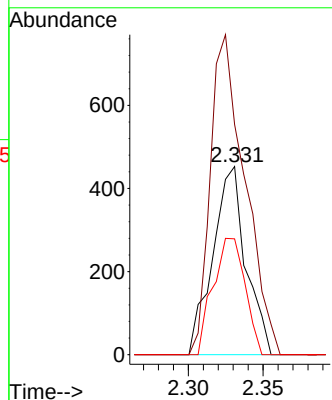
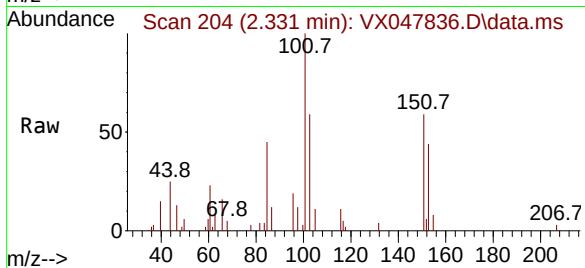
Tgt Ion: 96 Resp: 697

Ion Ratio Lower Upper

96 100

61 122.3 131.0 196.6#

98 61.6 47.7 71.5



#16

Acetone

Concen: 1.706 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047836.D

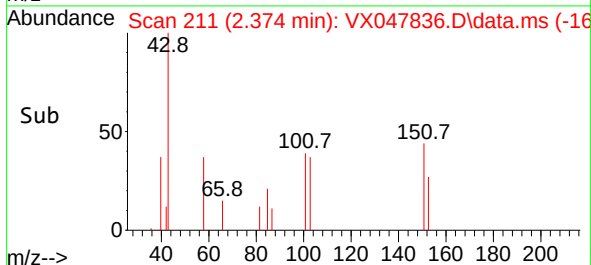
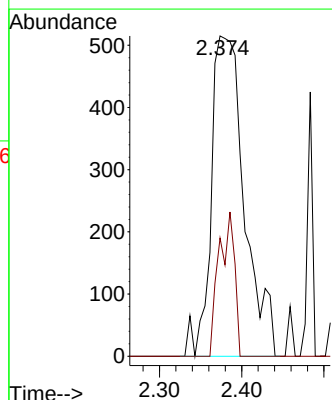
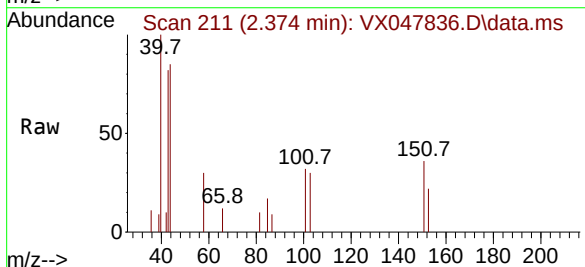
Acq: 26 Sep 2025 05:58

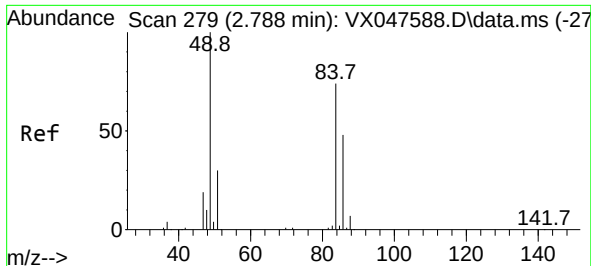
Tgt Ion: 43 Resp: 1447

Ion Ratio Lower Upper

43 100

58 18.0 23.4 35.0#

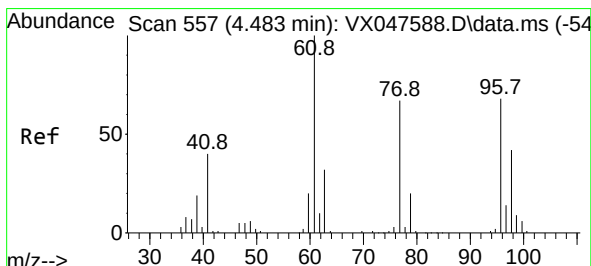
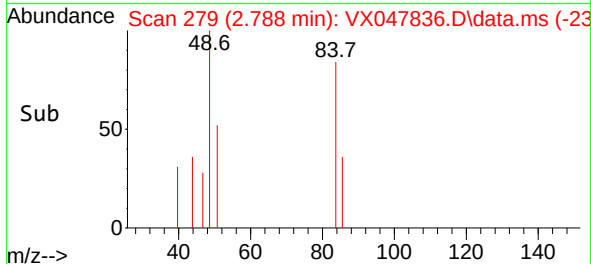
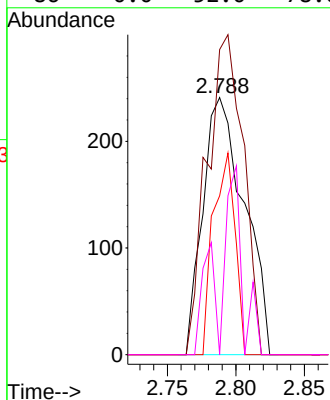
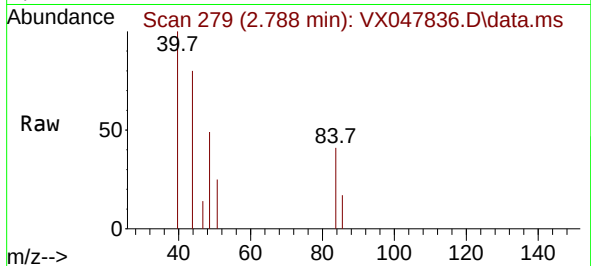




#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

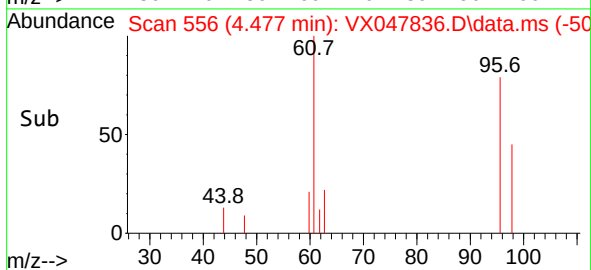
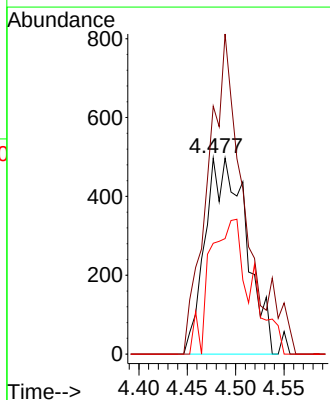
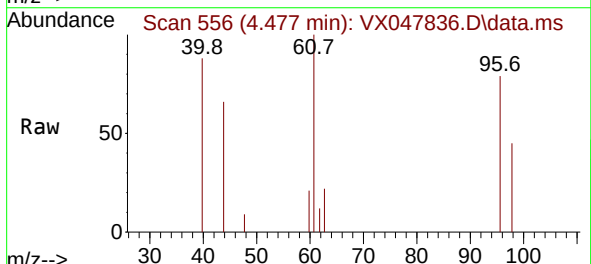
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250918

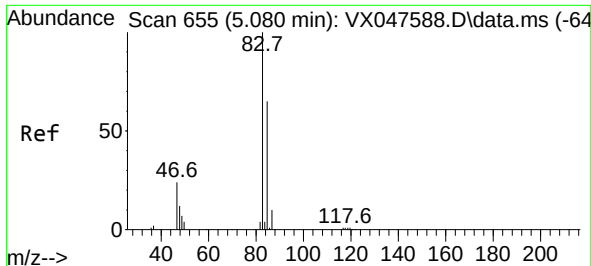
Tgt Ion:	84	Resp:	509
Ion	Ratio	Lower	Upper
84	100		
49	118.7	108.6	162.8
51	61.8	32.6	48.8#
86	0.0	52.0	78.0#



#27
cis-1,2-Dichloroethene
Concen: 0.763 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion:	96	Resp:	1465
Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	303.2
98	0.0	0.0	127.8

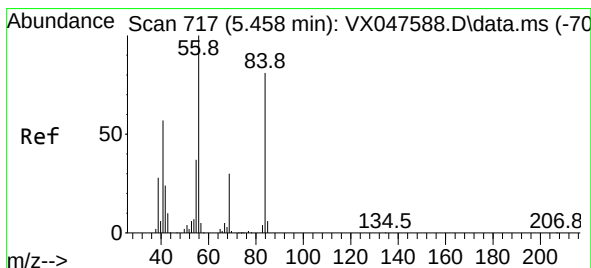
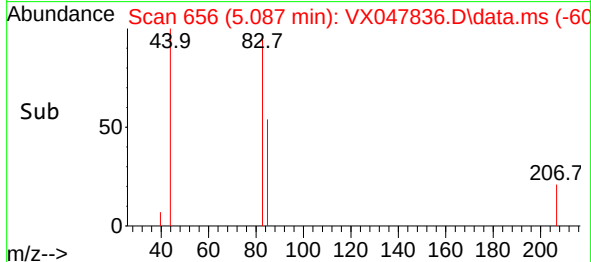
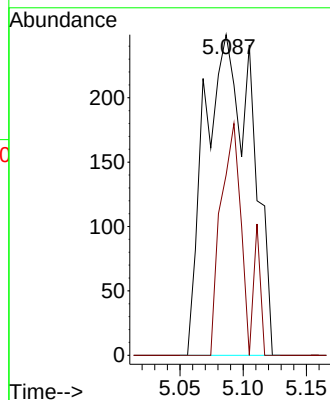
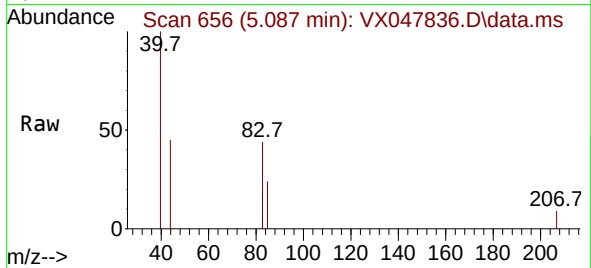




#30
Chloroform
Concen: 0.207 ug/l
RT: 5.087 min Scan# 611
Delta R.T. 0.006 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

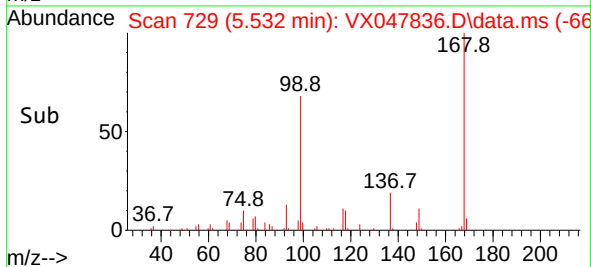
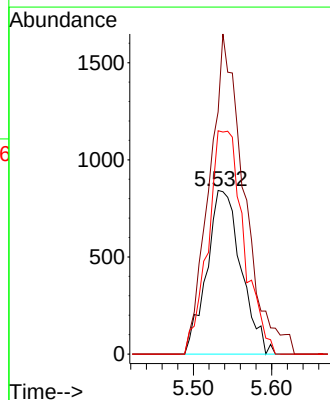
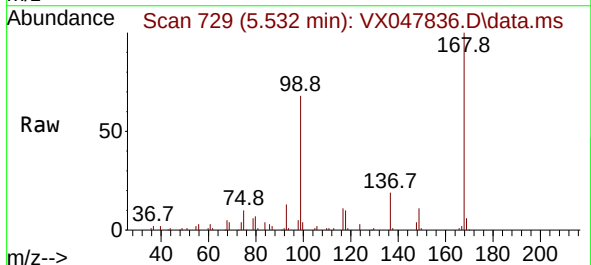
Instrument :
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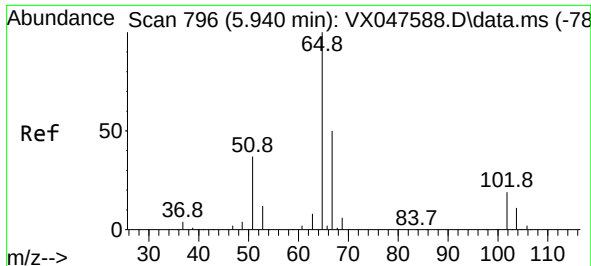
Tgt Ion: 83 Resp: 646
Ion Ratio Lower Upper
83 100
85 56.2 51.8 77.6



#31
Cyclohexane
Concen: 0.993 ug/l
RT: 5.532 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion: 56 Resp: 2560
Ion Ratio Lower Upper
56 100
69 148.1 23.8 35.8#
84 136.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 50.858 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047836.D

Acq: 26 Sep 2025 05:58

Instrument :

MSVOA_X

ClientSampleId :

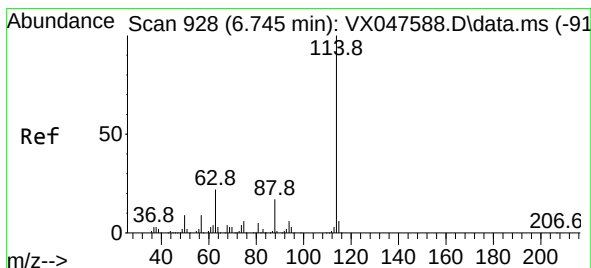
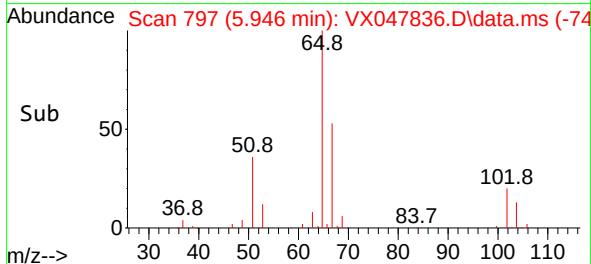
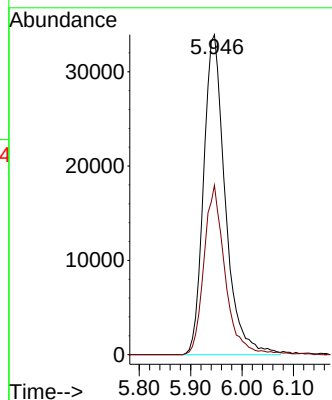
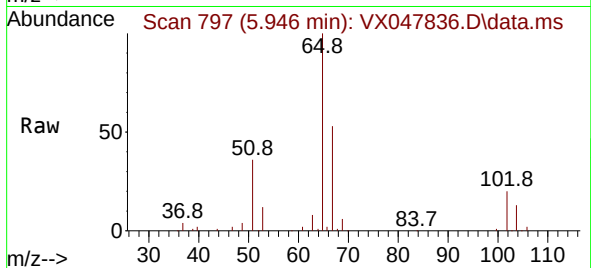
RE132D3-20250918

Tgt Ion: 65 Resp: 99183

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# 929

Delta R.T. 0.006 min

Lab File: VX047836.D

Acq: 26 Sep 2025 05:58

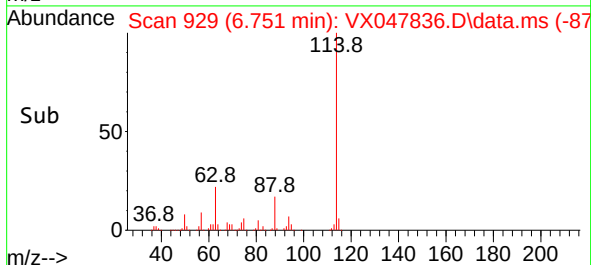
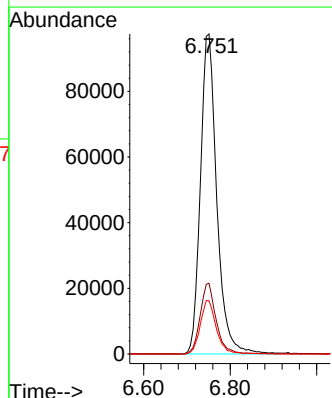
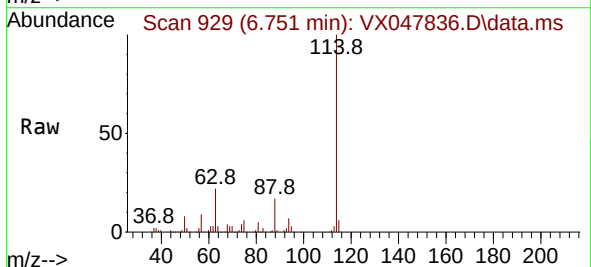
Tgt Ion: 114 Resp: 255492

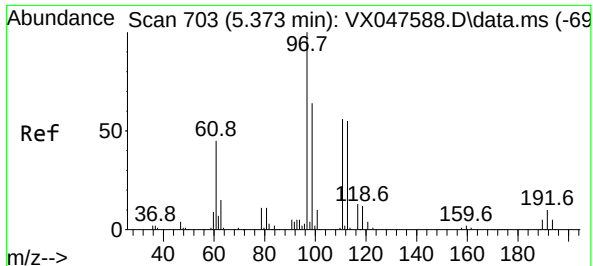
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.119 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047836.D

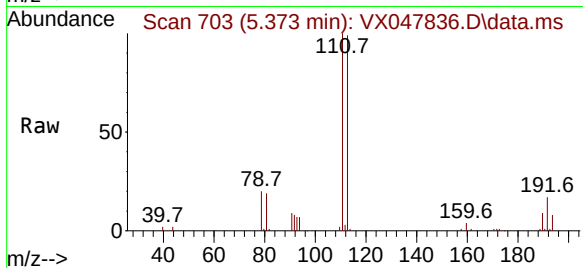
Acq: 26 Sep 2025 05:58

Instrument :

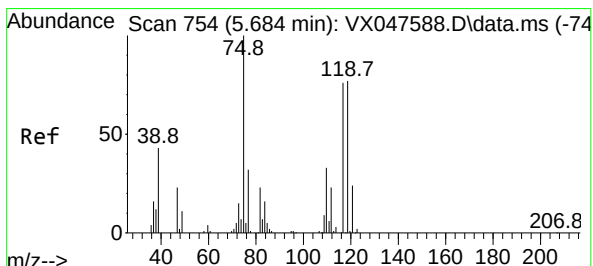
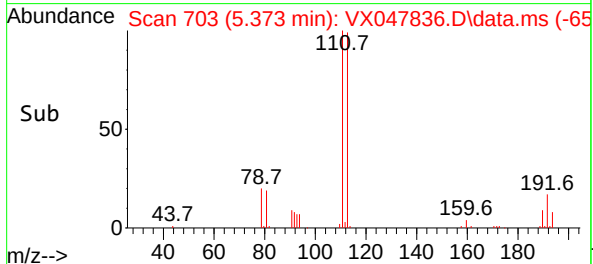
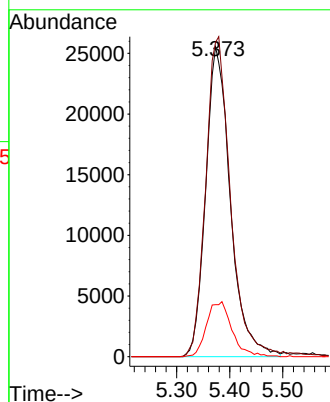
MSVOA_X

ClientSampleId :

RE132D3-20250918



Tgt Ion:	113	Resp:	82450
Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.9	121.3
192	18.3	14.2	21.4



#36

1,1-Dichloropropene

Concen: 4.151 ug/l

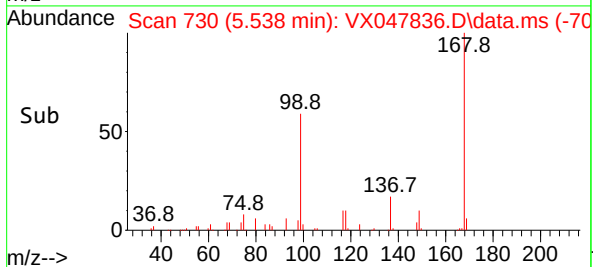
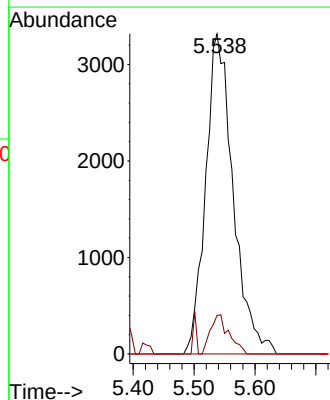
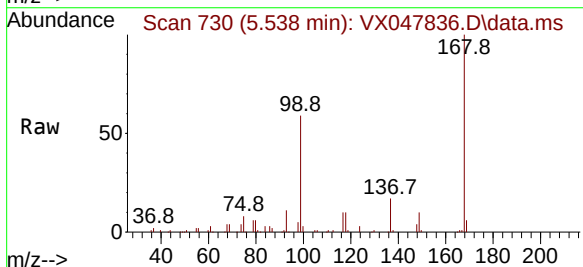
RT: 5.538 min Scan# 730

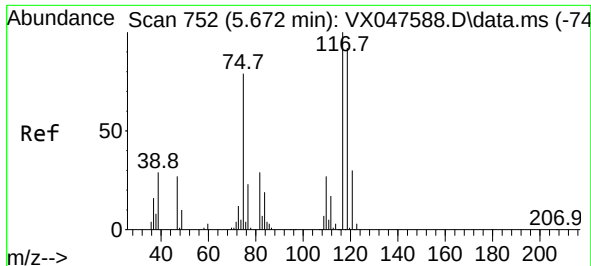
Delta R.T. -0.146 min

Lab File: VX047836.D

Acq: 26 Sep 2025 05:58

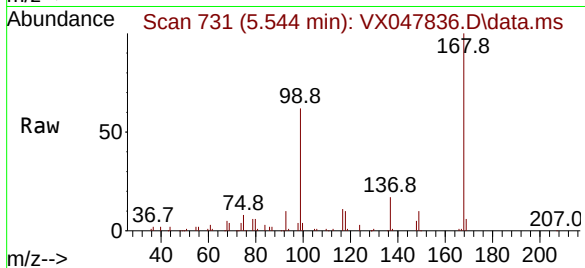
Tgt Ion:	75	Resp:	10394
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.7	50.1#
77	0.0	24.3	36.5#



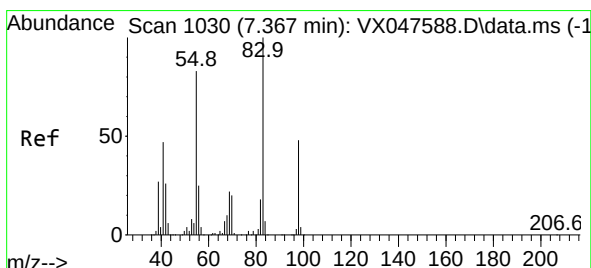
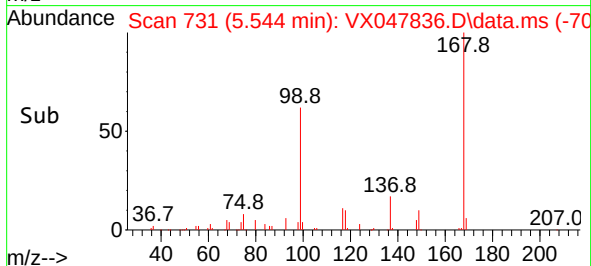
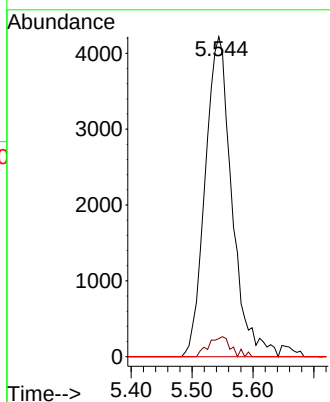


#38
Carbon Tetrachloride
Concen: 4.723 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Instrument :
MSVOA_X
ClientSampleId :
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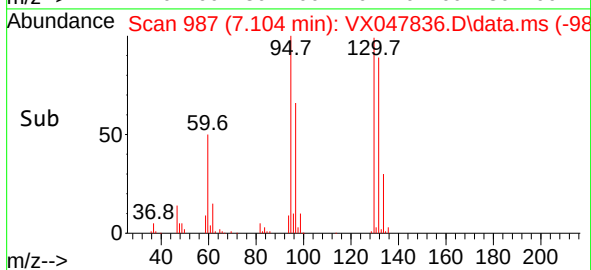
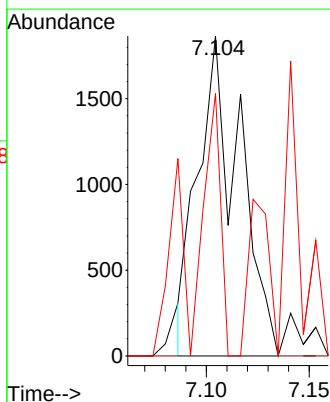
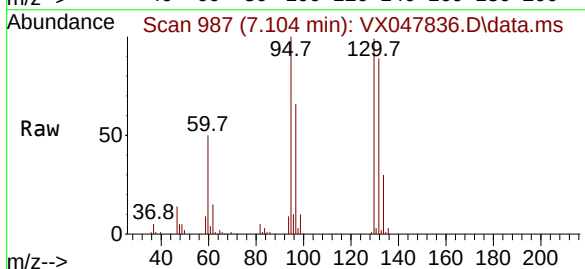


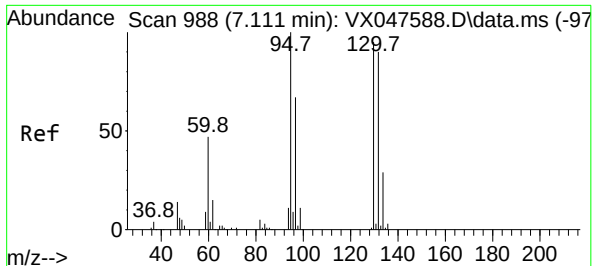
Tgt Ion:117 Resp: 12849
Ion Ratio Lower Upper
117 100
119 5.7 73.4 110.2#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.925 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.262 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion: 83 Resp: 2629
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 269.8 38.1 57.1#

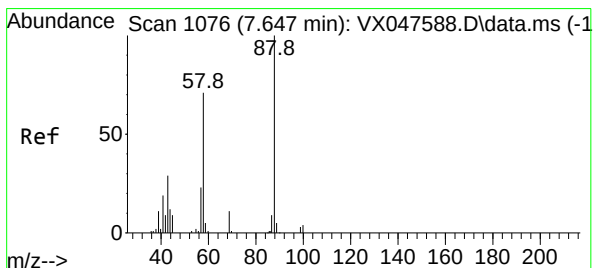
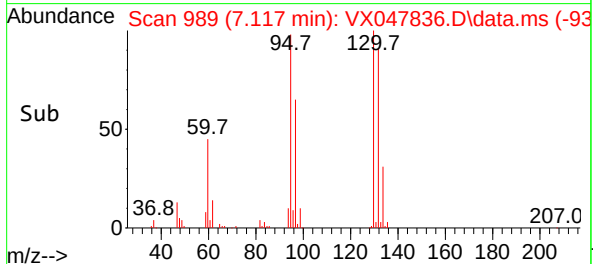
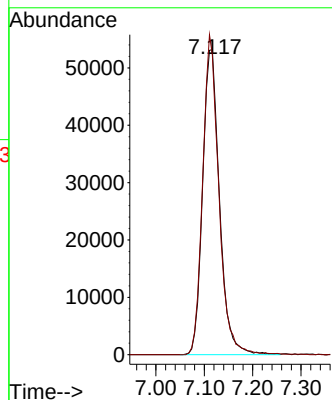
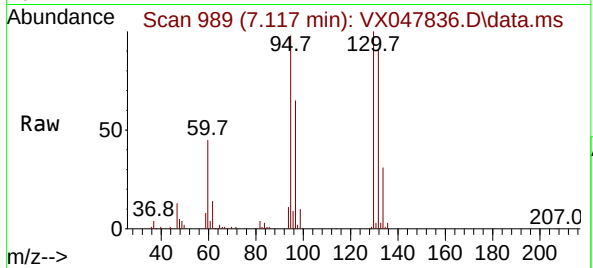




#44
Trichloroethene
Concen: 70.282 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

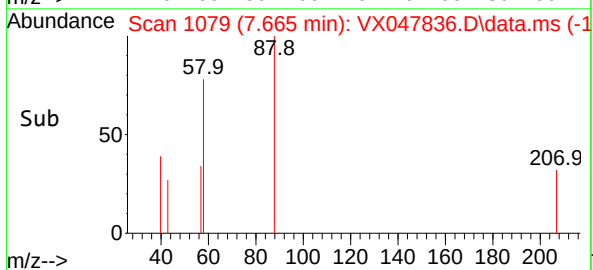
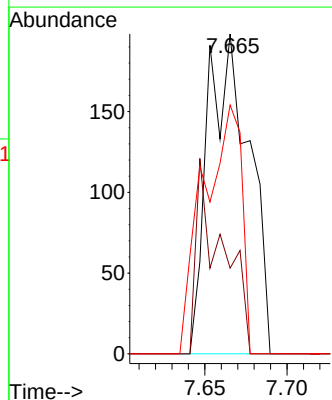
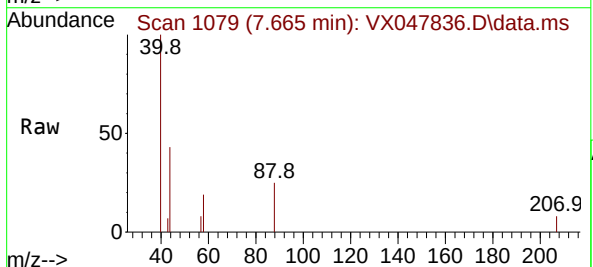
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250918

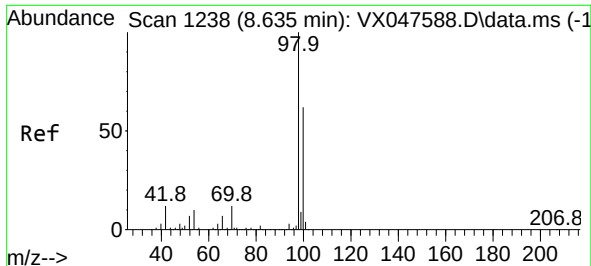
Tgt Ion:130 Resp: 129214
Ion Ratio Lower Upper
130 100
95 98.1 0.0 210.8



#49
1,4-Dioxane
Concen: 15.633 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion: 88 Resp: 346
Ion Ratio Lower Upper
88 100
43 38.4 30.2 45.2
58 72.0 59.5 89.3

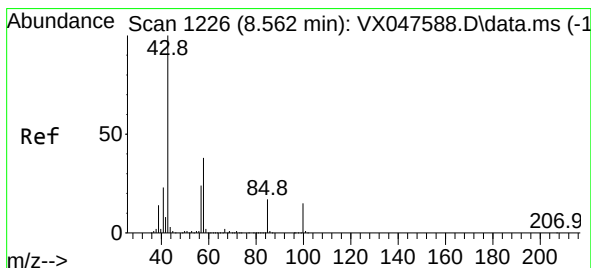
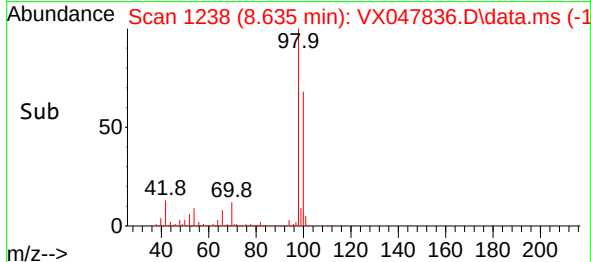
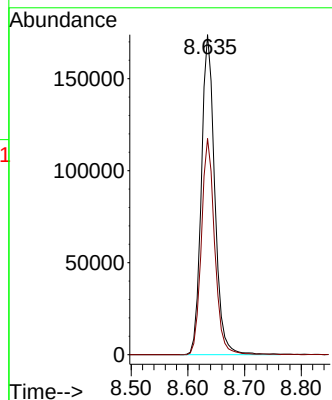
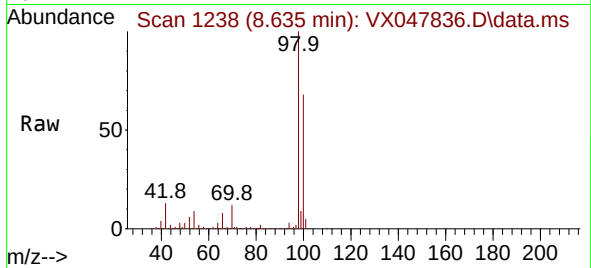




#50
Toluene-d8
Concen: 47.989 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

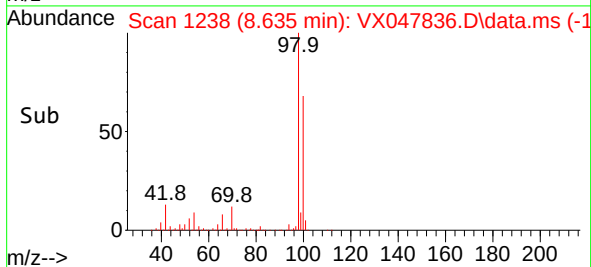
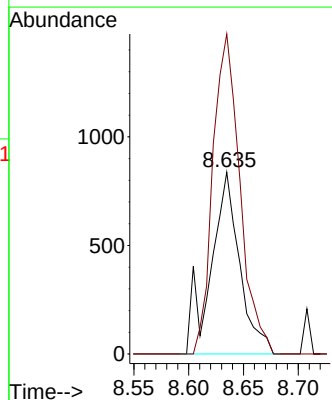
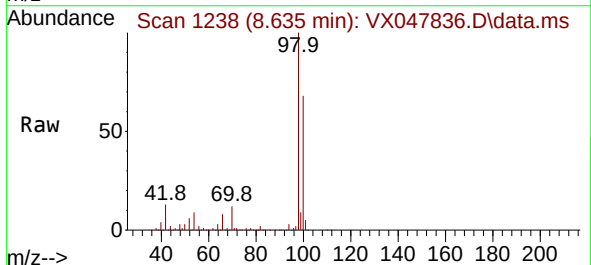
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250918

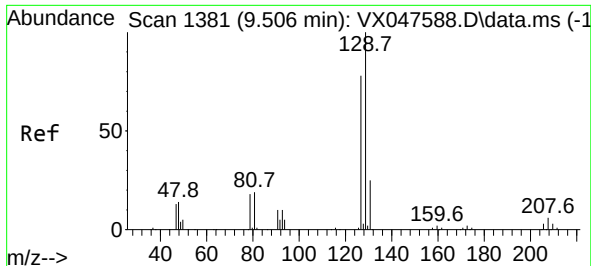
Tgt Ion: 98 Resp: 284527
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.627 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
58 165.7 30.3 45.5#

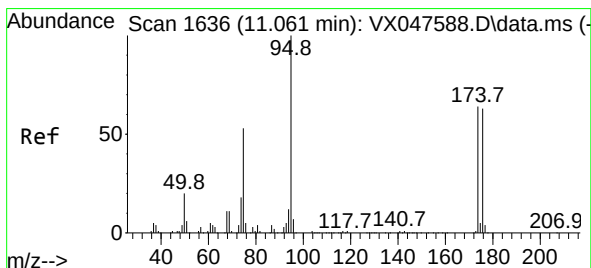
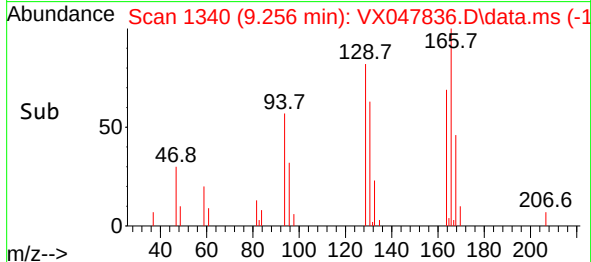
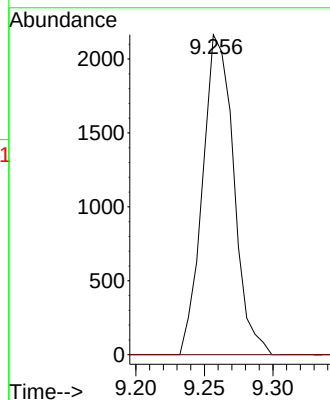
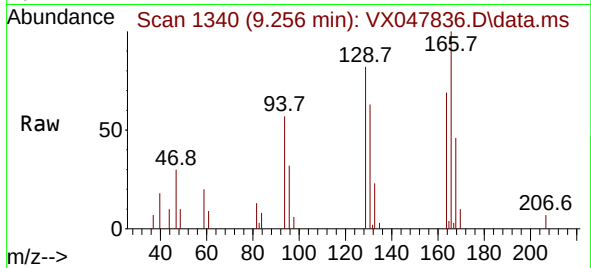




#60
Dibromochloromethane
Concen: 1.641 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

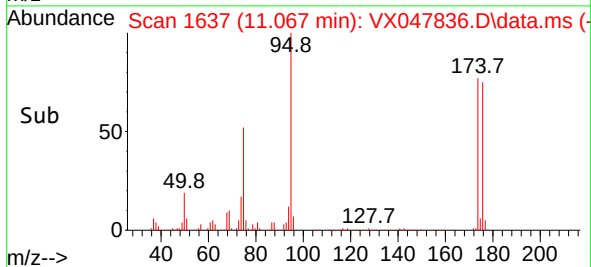
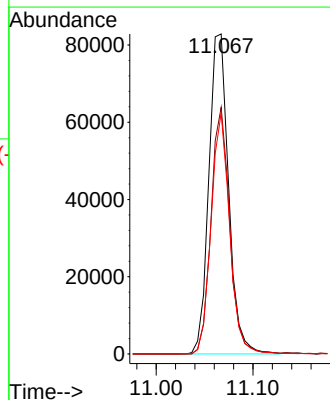
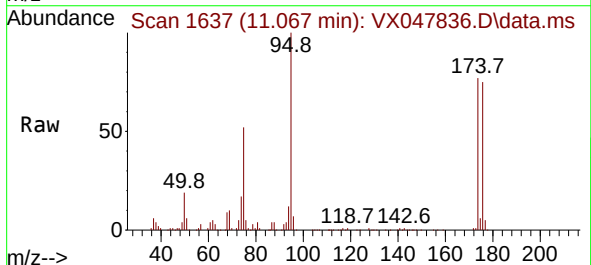
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250918

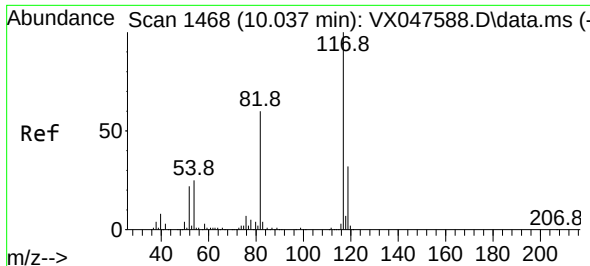
Tgt Ion:129 Resp: 3416
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 52.328 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion: 95 Resp: 117745
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 70.6 0.0 138.4

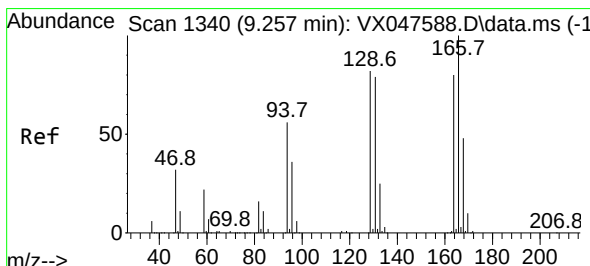
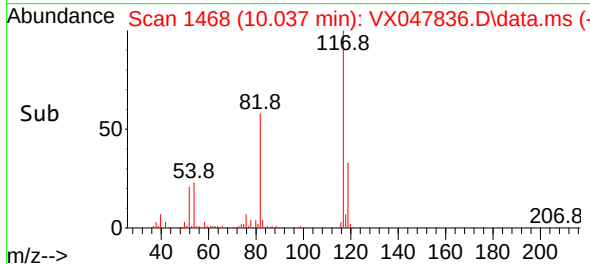
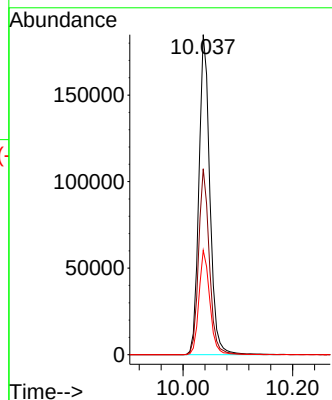
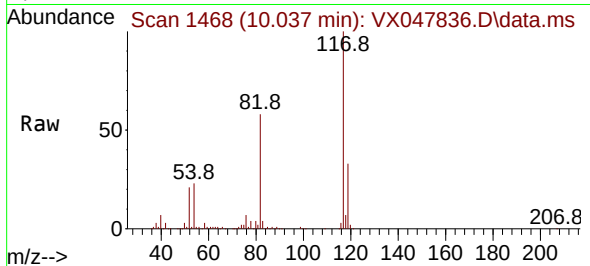




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

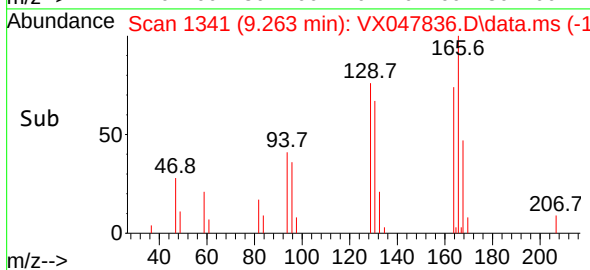
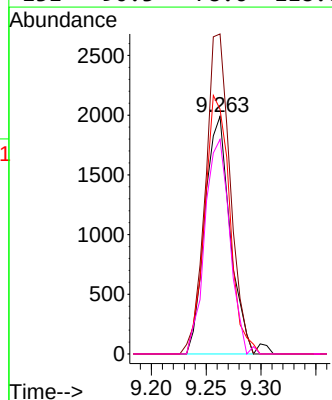
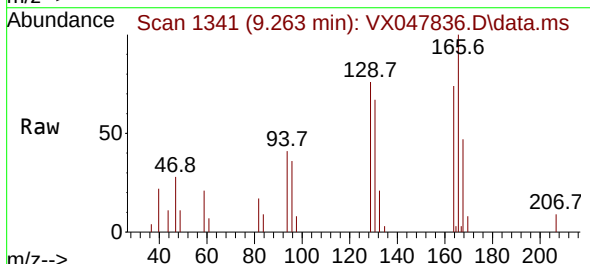
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250918

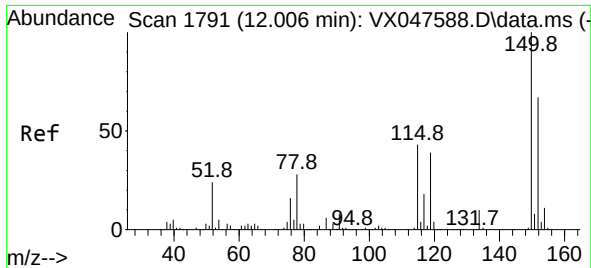
Tgt Ion:117 Resp: 257823
Ion Ratio Lower Upper
117 100
82 58.1 47.8 71.6
119 32.6 25.2 37.8



#64
Tetrachloroethene
Concen: 1.919 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Tgt Ion:164 Resp: 3225
Ion Ratio Lower Upper
164 100
166 134.7 100.2 150.2
129 103.0 81.8 122.6
131 90.3 78.6 118.0

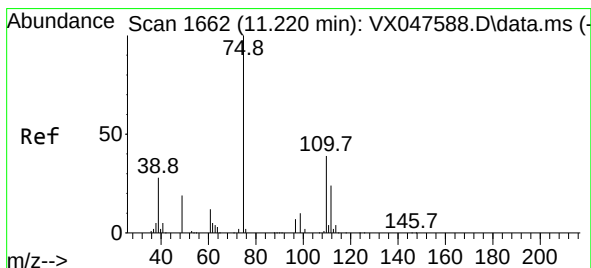
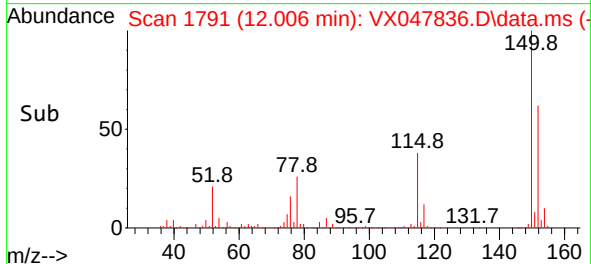
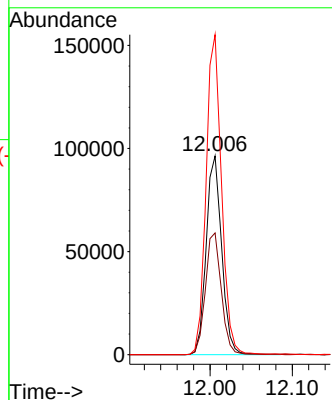
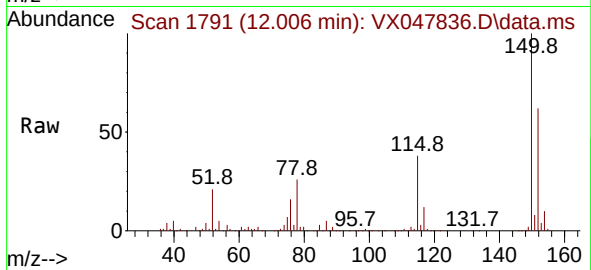




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047836.D
 Acq: 26 Sep 2025 05:58

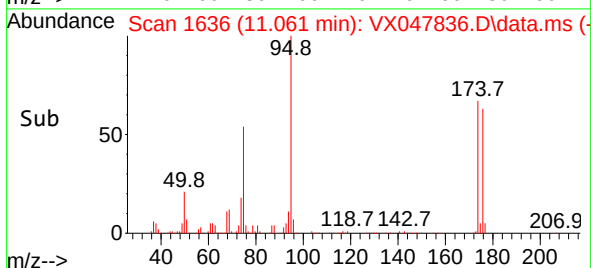
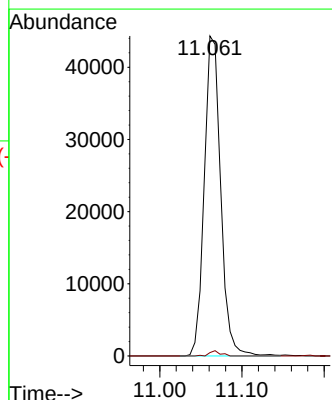
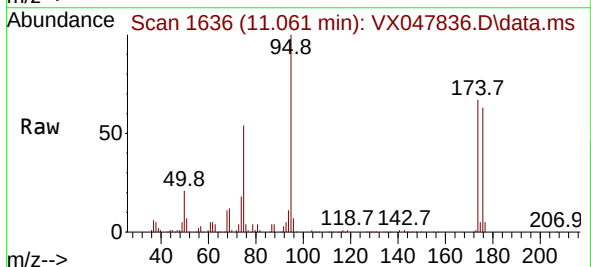
Instrument :
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 ClientSampleId :
 RE132D3-20250918

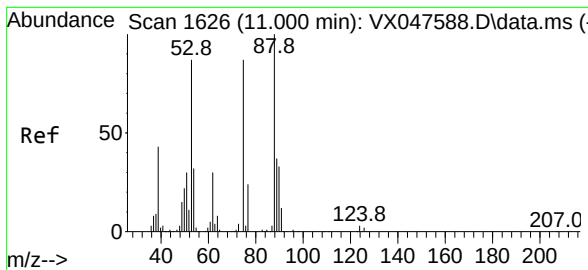
Tgt Ion:152 Resp: 126419
 Ion Ratio Lower Upper
 152 100
 115 62.7 44.9 134.5
 150 160.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.020 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047836.D
 Acq: 26 Sep 2025 05:58

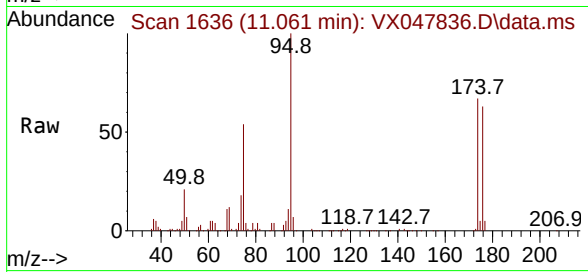
Tgt Ion: 75 Resp: 61482
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.8 56.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.255 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047836.D
Acq: 26 Sep 2025 05:58

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250918



Tgt Ion: 75 Resp: 61482
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

