

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047818.D
 Acq On : 25 Sep 2025 17:24
 Operator : JC/MD
 Sample : Q3127-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20250915

Quant Time: Sep 26 01:32:07 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)

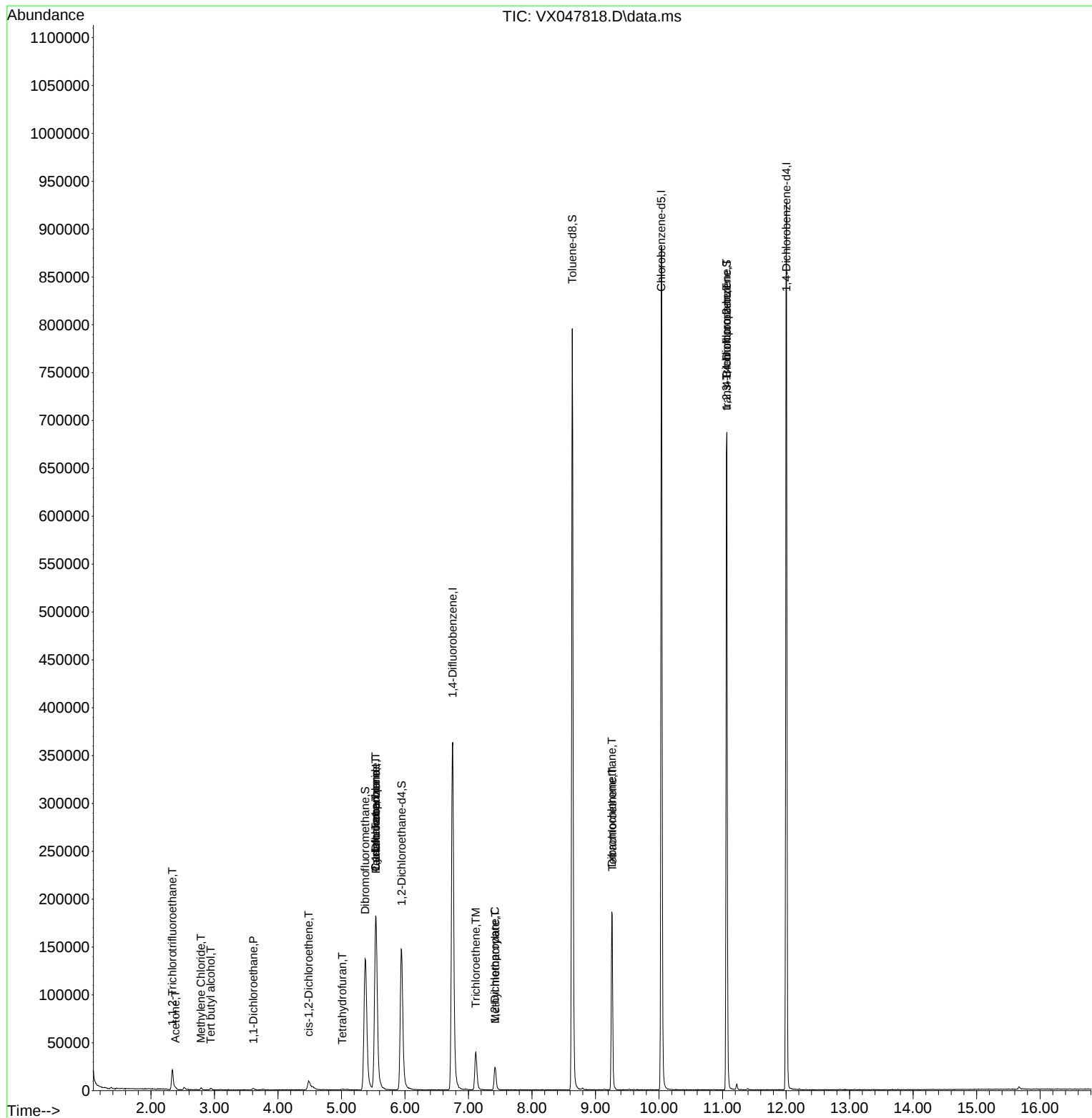
Internal Standards						
1) Pentafluorobenzene	5.544	168	186170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	398423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	394132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	195911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	159642	53.872	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.740%	
35) Dibromofluoromethane	5.373	113	136996	51.270	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	8.635	98	475185	51.395	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.780%	
62) 4-Bromofluorobenzene	11.067	95	194222	55.350	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.700%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	9600	4.458	ug/l	96
11) Tert butyl alcohol	2.940	59	245	0.742	ug/l #	72
16) Acetone	2.386	43	2292	1.779	ug/l #	88
20) Methylene Chloride	2.788	84	862	0.316	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	2083	0.443	ug/l #	92
27) cis-1,2-Dichloroethene	4.483	96	6865	2.354	ug/l	83
29) Tetrahydrofuran	5.013	42	370	0.383	ug/l #	51
31) Cyclohexane	5.538	56	4361	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	15046	3.854	ug/l #	51
38) Carbon Tetrachloride	5.538	117	19372	4.566	ug/l #	17
44) Trichloroethene	7.117	130	17073	5.955	ug/l	98
45) 1,2-Dichloropropane	7.415	63	10687	3.519	ug/l	94
48) Methyl methacrylate	7.421	41	5876	1.721	ug/l #	37
60) Dibromochloromethane	9.256	129	36414	11.218	ug/l #	11
64) Tetrachloroethene	9.263	164	36831	14.335	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	101095	25.487	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	101095	64.995	ug/l #	8

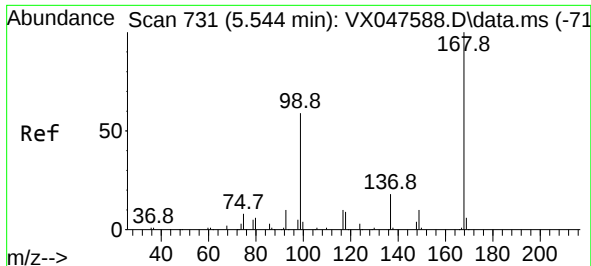
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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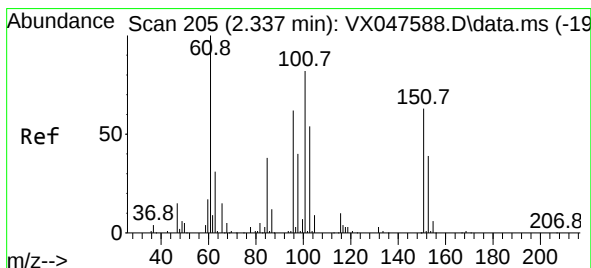
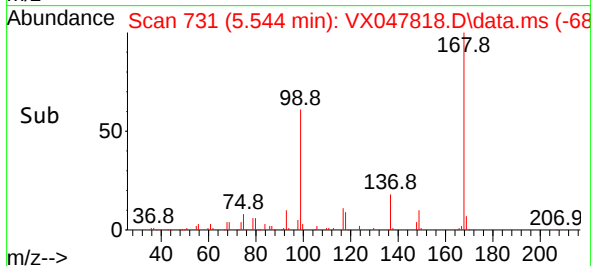
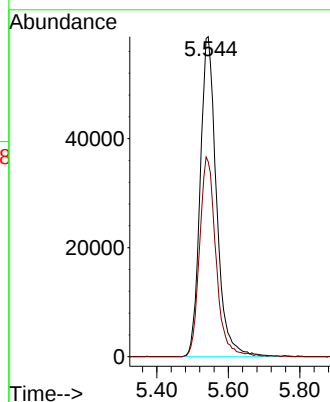
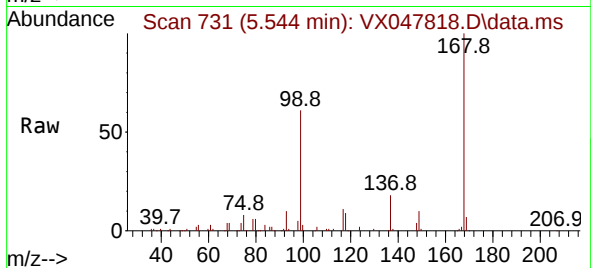




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

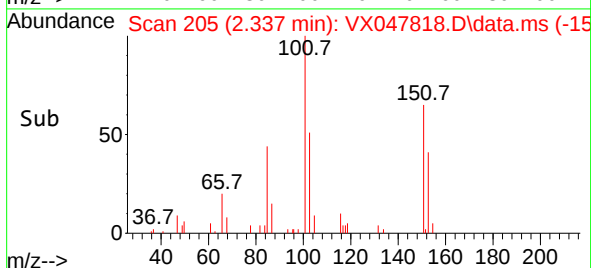
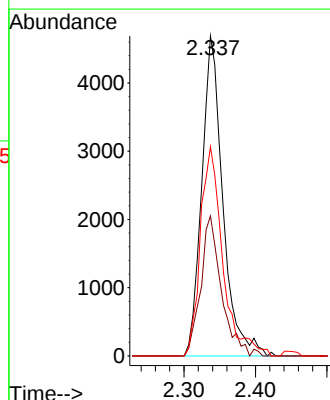
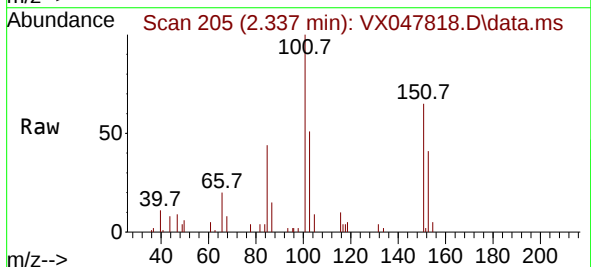
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20250915

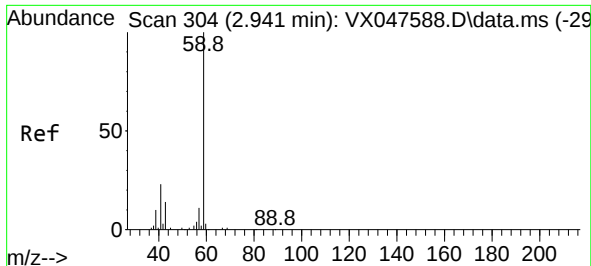
Tgt Ion:168 Resp: 186170
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.458 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Tgt Ion:101 Resp: 9600
Ion Ratio Lower Upper
101 100
85 43.2 35.5 53.3
151 69.3 59.4 89.0

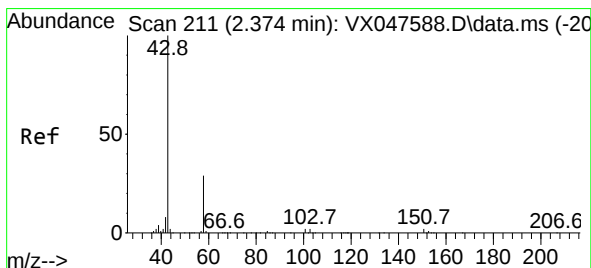
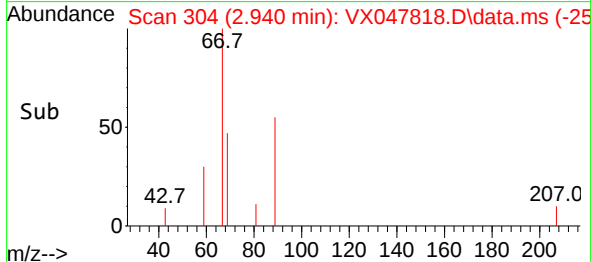
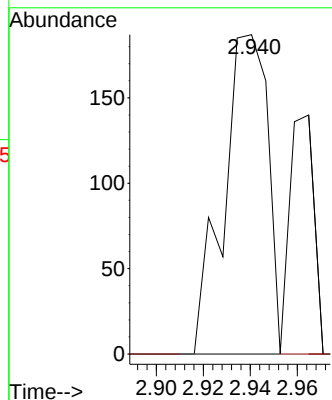
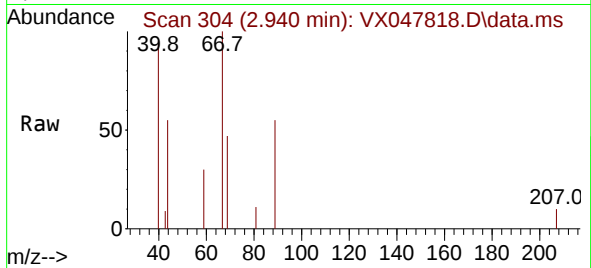




#11
Tert butyl alcohol
Concen: 0.742 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

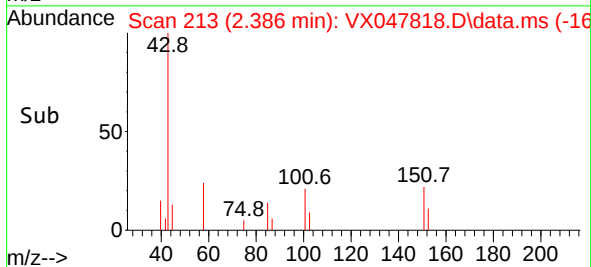
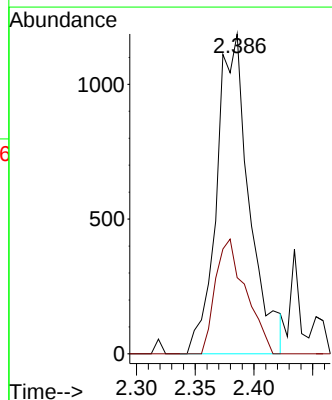
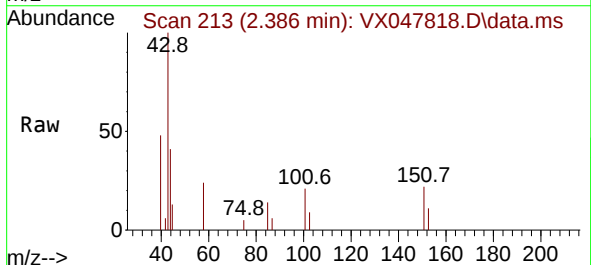
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20250915

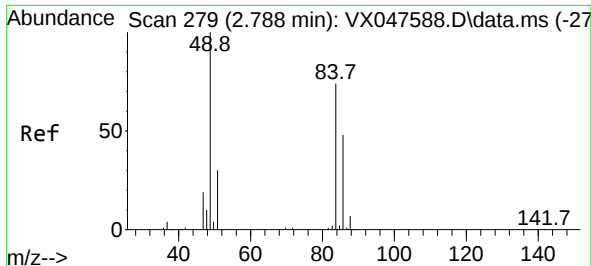
Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.779 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

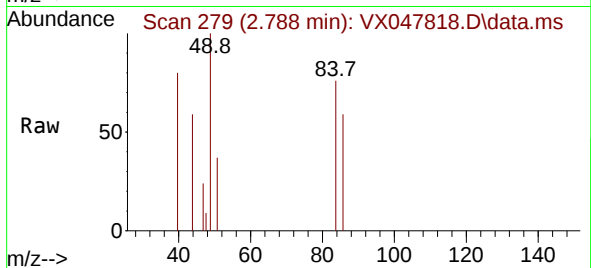
Tgt Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
58 35.7 23.4 35.0#



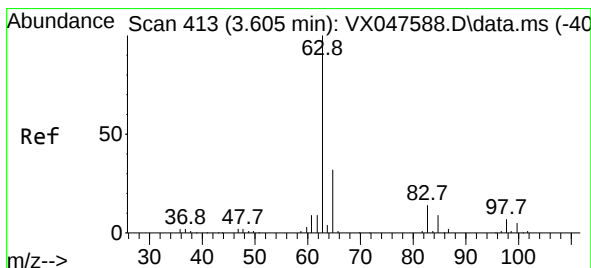
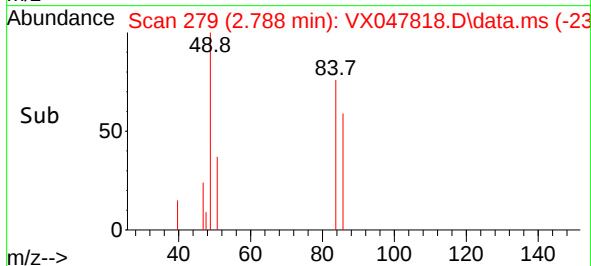
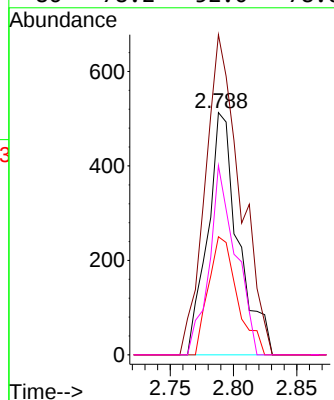


#20
Methylene Chloride
Concen: 0.316 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20250915

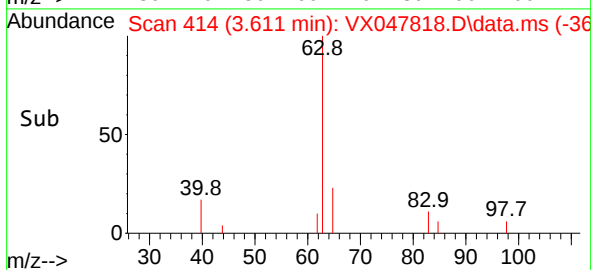
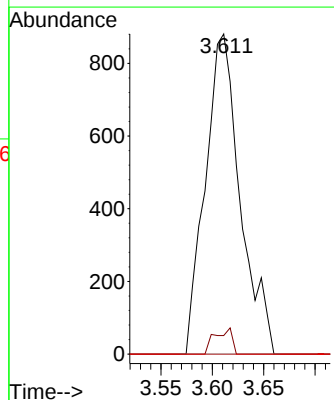
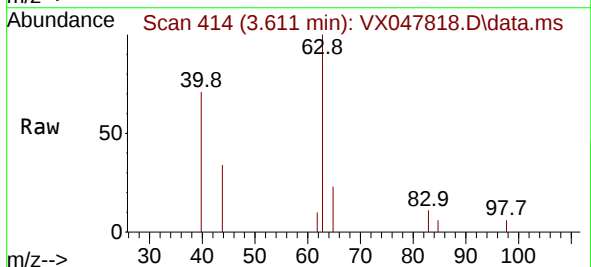


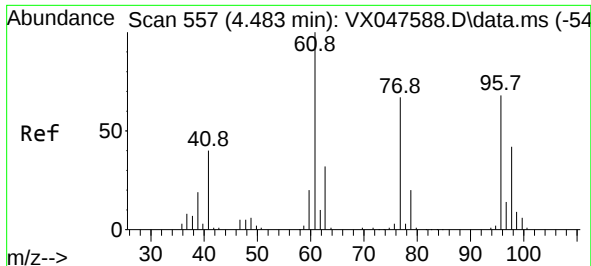
Tgt Ion:	84	Resp:	862
Ion	Ratio	Lower	Upper
84	100		
49	132.2	108.6	162.8
51	48.7	32.6	48.8
86	78.2	52.0	78.0



#24
1,1-Dichloroethane
Concen: 0.443 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Tgt Ion:	63	Resp:	2083
Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.8	11.2
100	0.0	2.3	6.9





#27

cis-1,2-Dichloroethene

Concen: 2.354 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047818.D

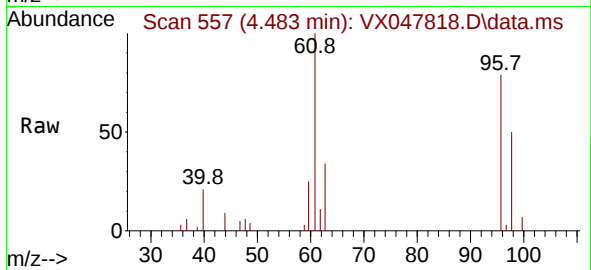
Acq: 25 Sep 2025 17:24

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20250915



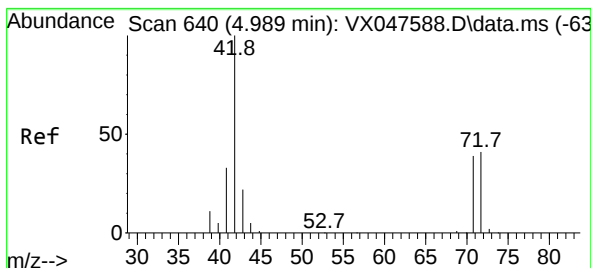
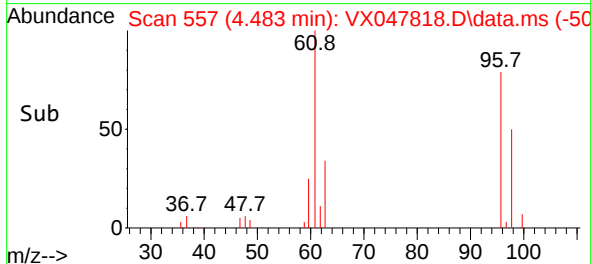
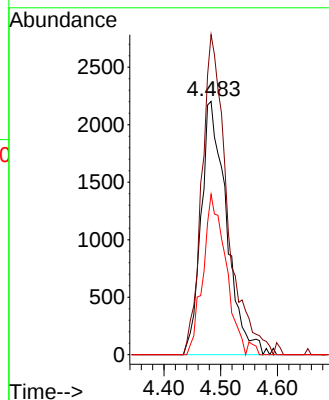
Tgt Ion: 96 Resp: 6865

Ion Ratio Lower Upper

96 100

61 125.9 0.0 303.2

98 56.2 0.0 127.8



#29

Tetrahydrofuran

Concen: 0.383 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX047818.D

Acq: 25 Sep 2025 17:24

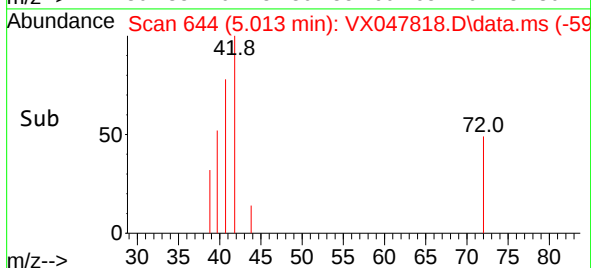
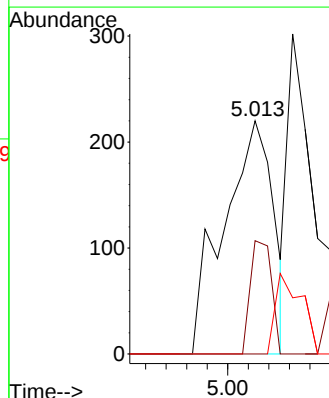
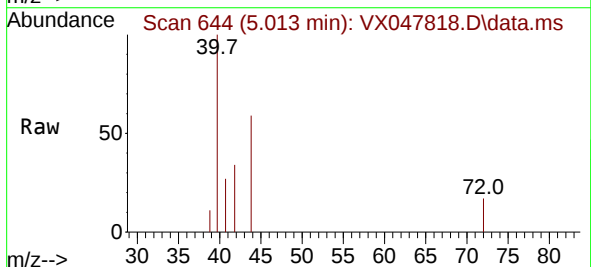
Tgt Ion: 42 Resp: 370

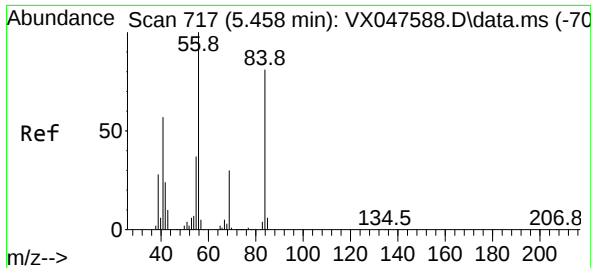
Ion Ratio Lower Upper

42 100

72 20.5 34.2 51.2#

71 0.0 31.9 47.9#

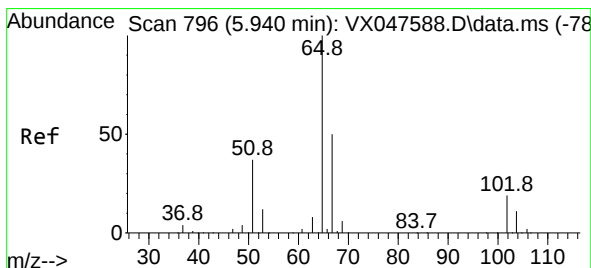
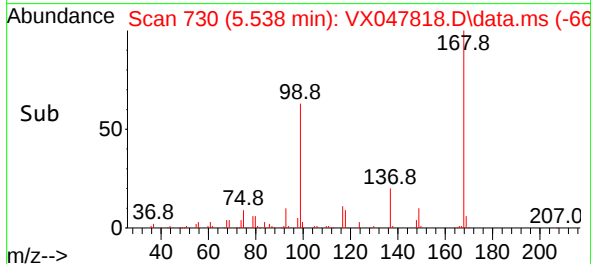
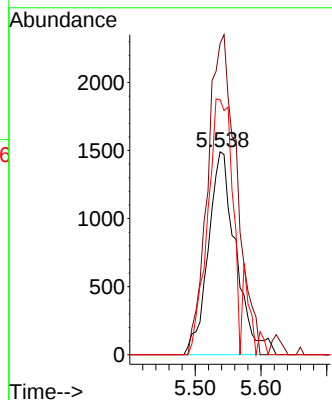
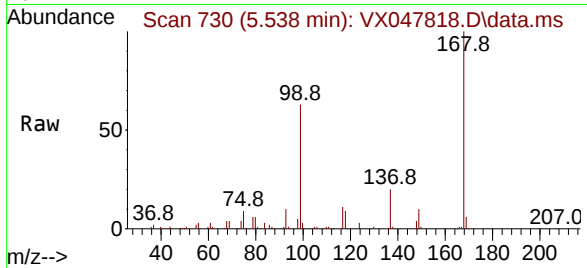




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

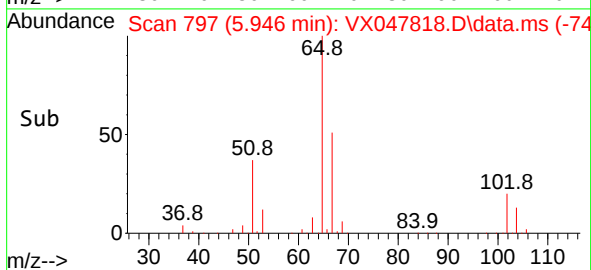
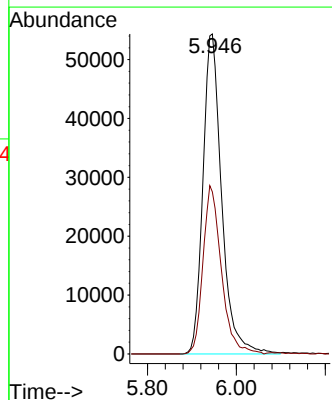
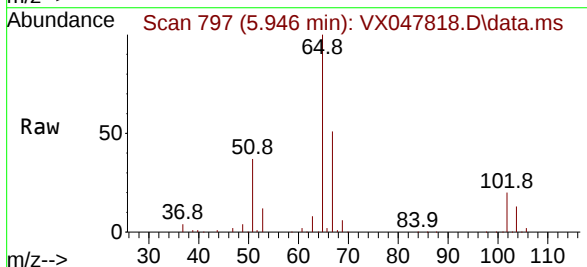
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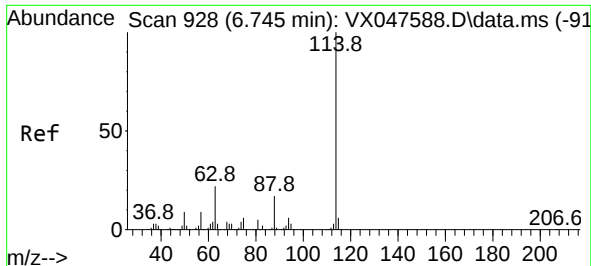
Tgt Ion: 56 Resp: 4361
Ion Ratio Lower Upper
56 100
69 153.3 23.8 35.8#
84 125.8 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 53.872 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Tgt Ion: 65 Resp: 159642
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0

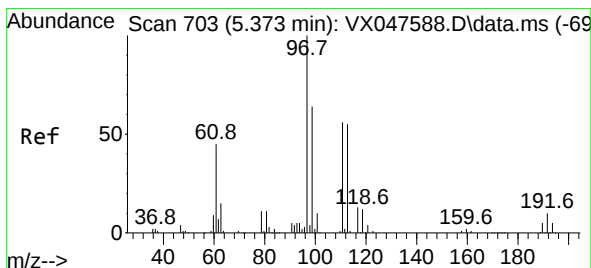
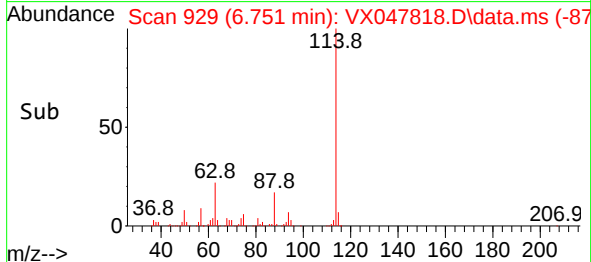
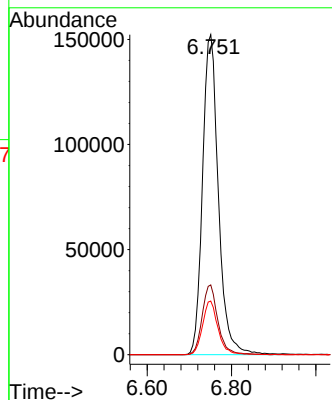
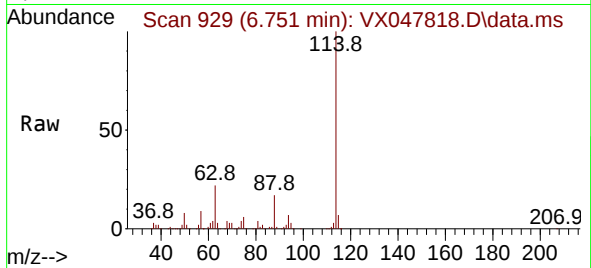




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

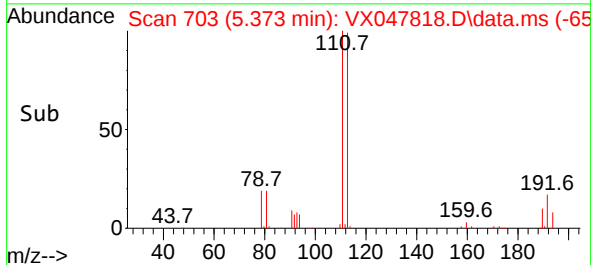
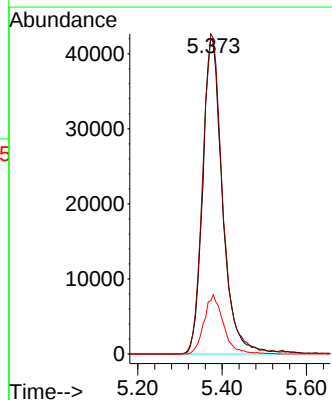
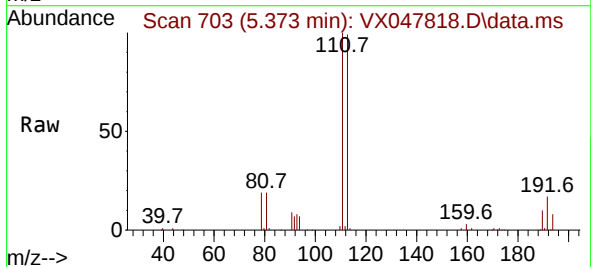
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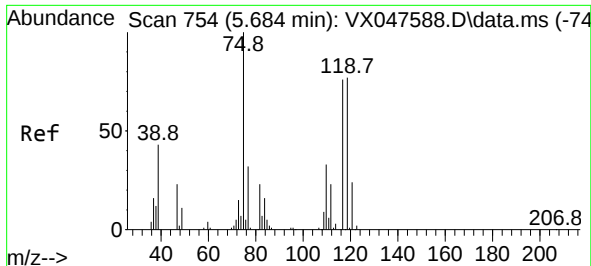
Tgt Ion:114 Resp: 398423
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 16.7 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.270 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Tgt Ion:113 Resp: 136996
Ion Ratio Lower Upper
113 100
111 102.7 80.9 121.3
192 18.4 14.2 21.4





#36

1,1-Dichloropropene

Concen: 3.854 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047818.D

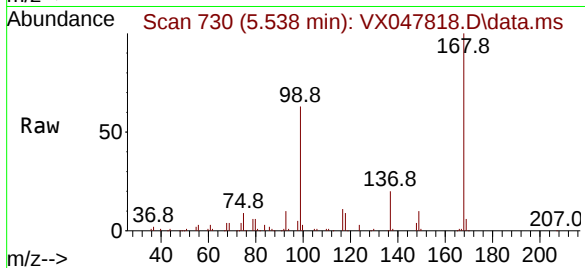
Acq: 25 Sep 2025 17:24

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20250915



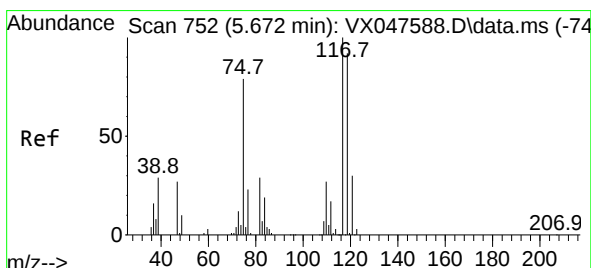
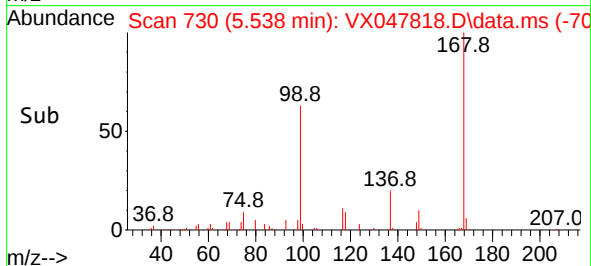
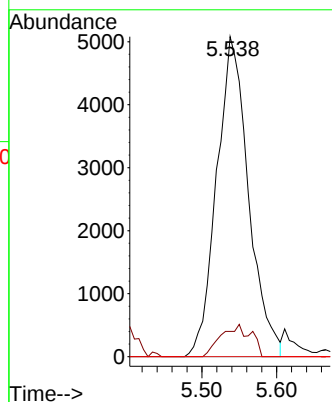
Tgt Ion: 75 Resp: 15046

Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.566 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX047818.D

Acq: 25 Sep 2025 17:24

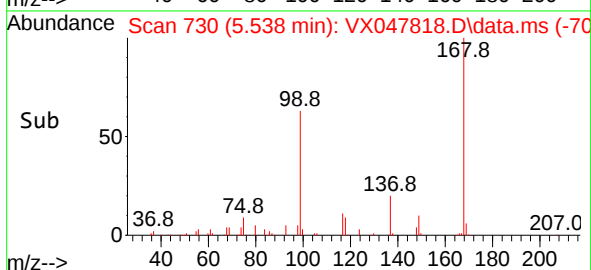
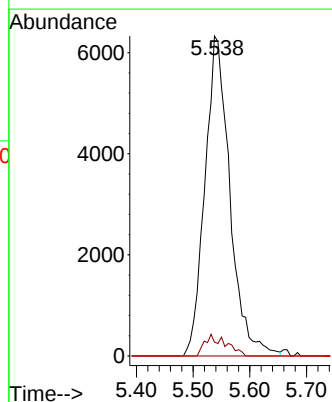
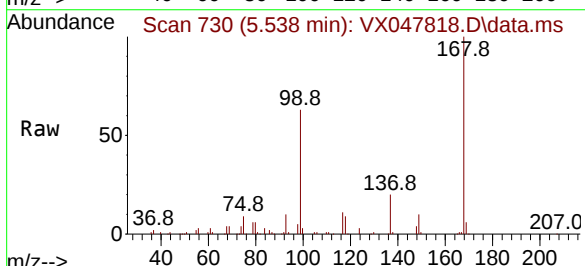
Tgt Ion: 117 Resp: 19372

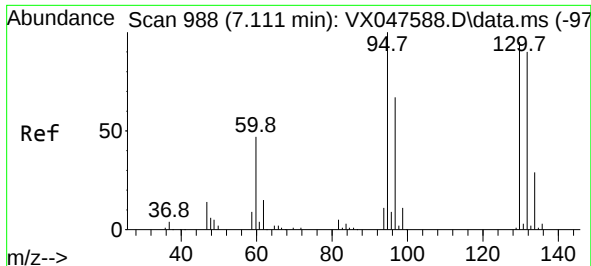
Ion Ratio Lower Upper

117 100

119 4.4 73.4 110.2#

121 0.0 23.8 35.6#

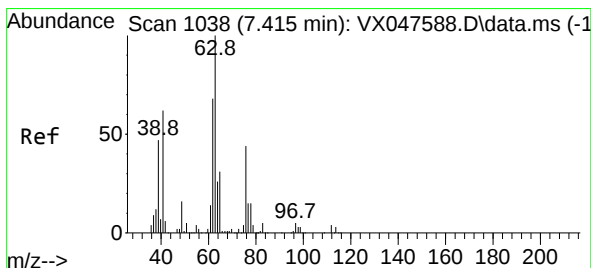
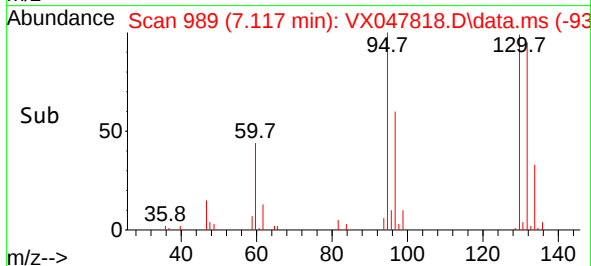
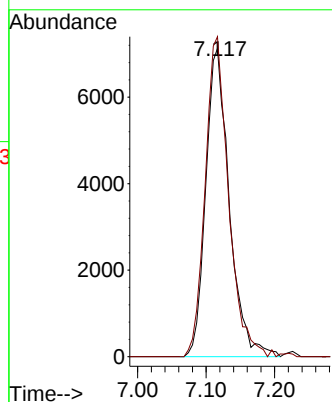
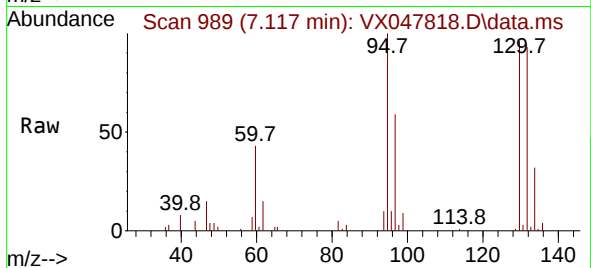




#44
Trichloroethene
Concen: 5.955 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

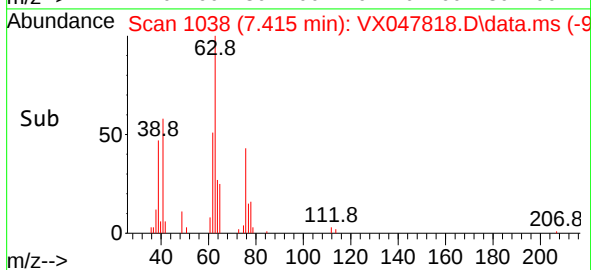
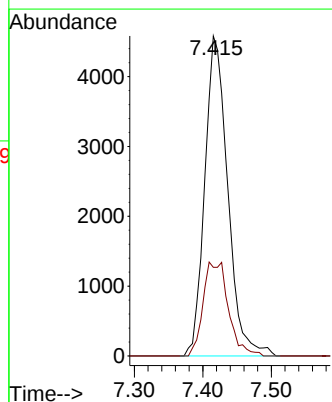
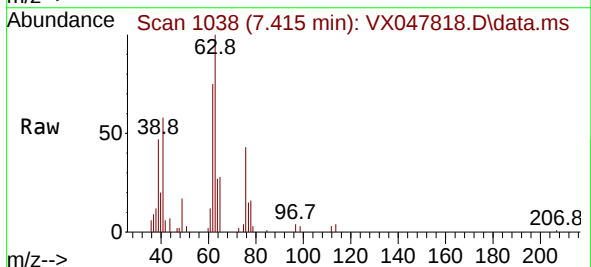
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20250915

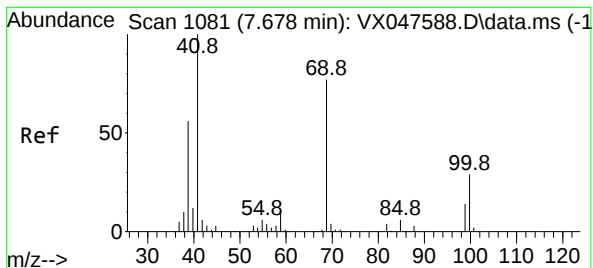
Tgt Ion:130 Resp: 17073
Ion Ratio Lower Upper
130 100
95 103.8 0.0 210.8



#45
1,2-Dichloropropane
Concen: 3.519 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Tgt Ion: 63 Resp: 10687
Ion Ratio Lower Upper
63 100
65 27.7 24.7 37.1





#48

Methyl methacrylate

Concen: 1.721 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.256 min

Lab File: VX047818.D

Acq: 25 Sep 2025 17:24

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20250915

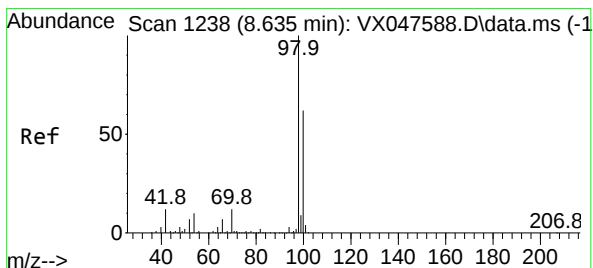
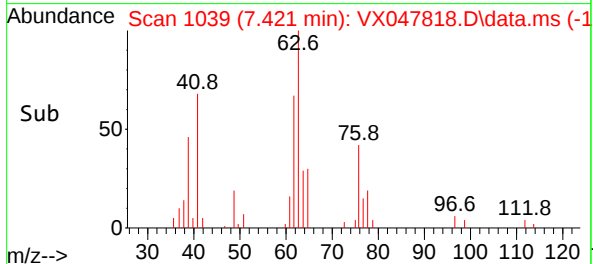
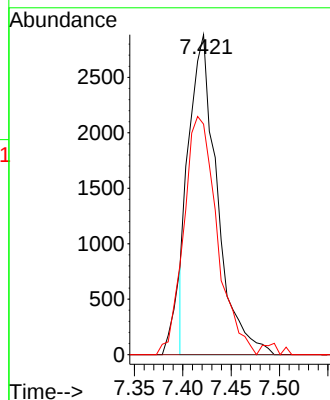
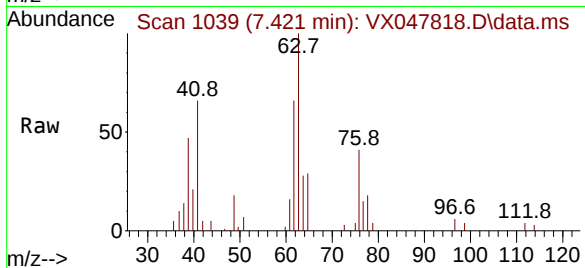
Tgt Ion: 41 Resp: 5876

Ion Ratio Lower Upper

41 100

69 0.0 61.4 92.2#

39 78.3 45.8 68.6#



#50

Toluene-d8

Concen: 51.395 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047818.D

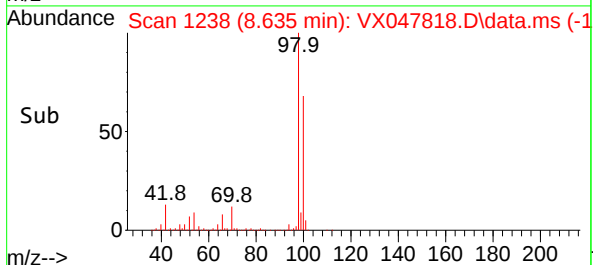
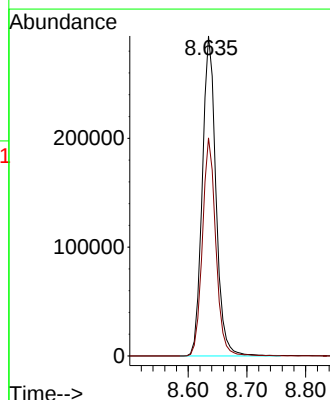
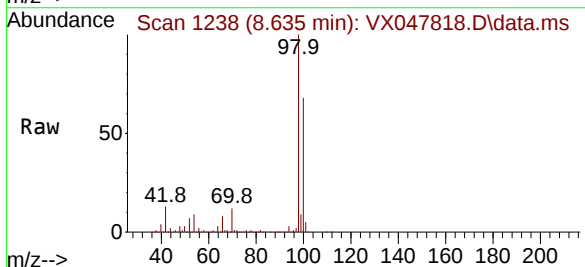
Acq: 25 Sep 2025 17:24

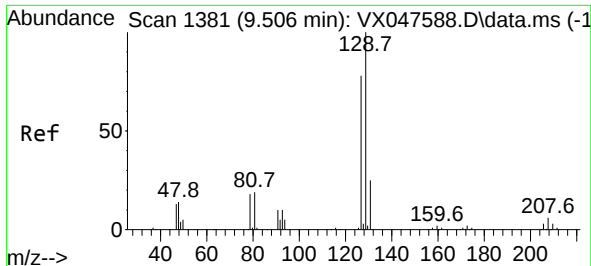
Tgt Ion: 98 Resp: 475185

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.4

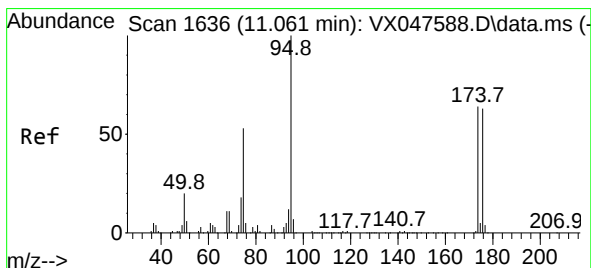
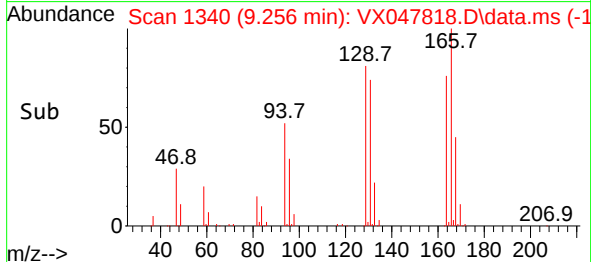
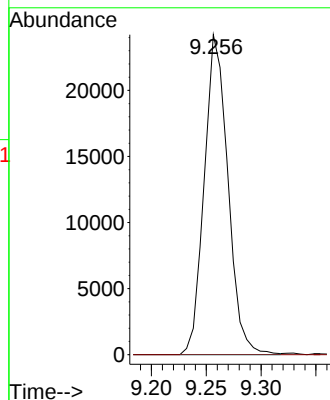
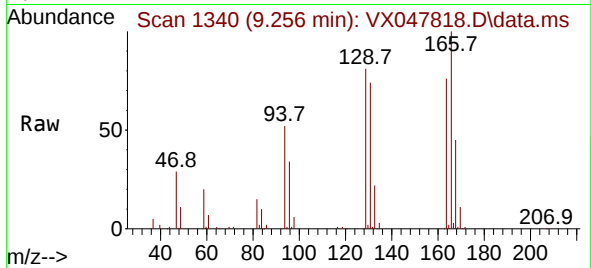




#60
Dibromochloromethane
Concen: 11.218 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

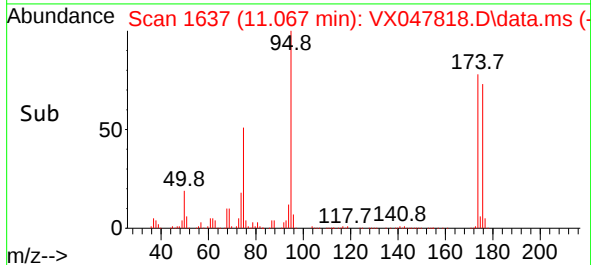
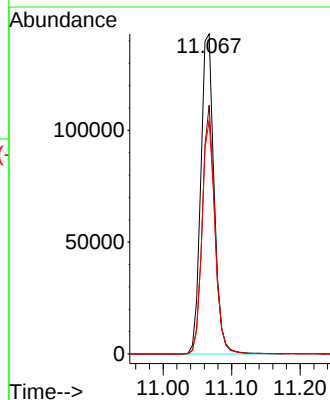
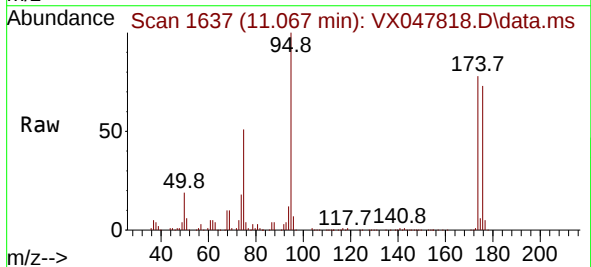
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20250915

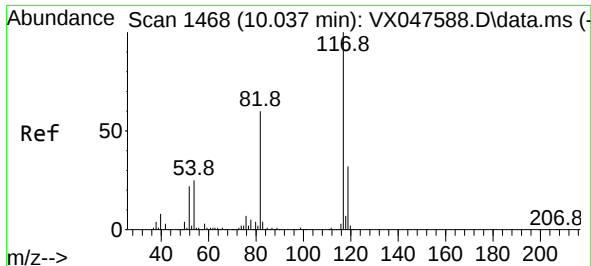
Tgt Ion:129 Resp: 36414
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 55.350 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Tgt Ion: 95 Resp: 194222
Ion Ratio Lower Upper
95 100
174 73.3 0.0 141.6
176 71.2 0.0 138.4

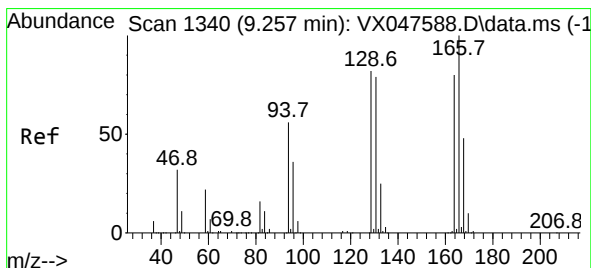
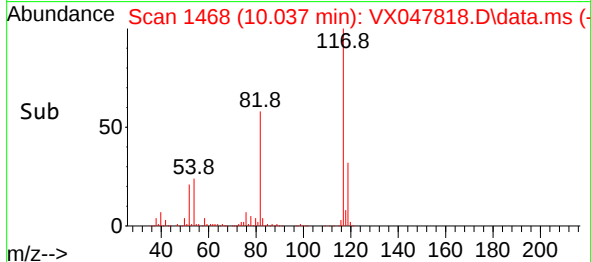
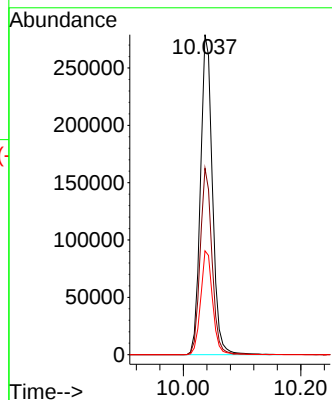
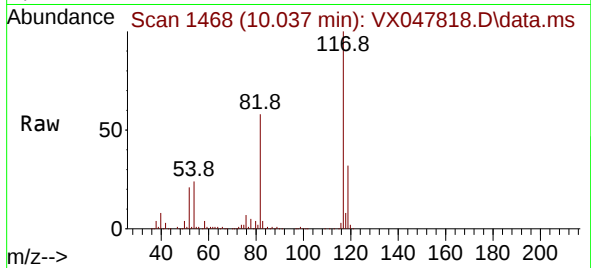




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

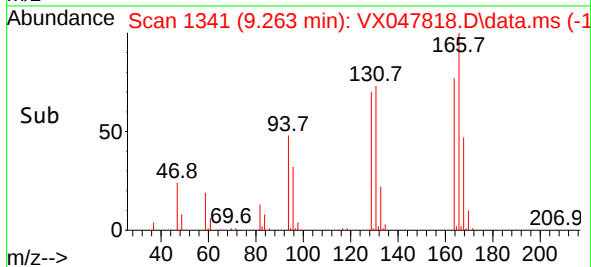
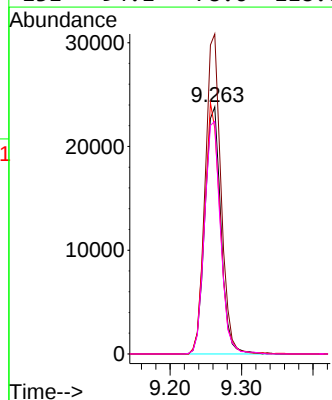
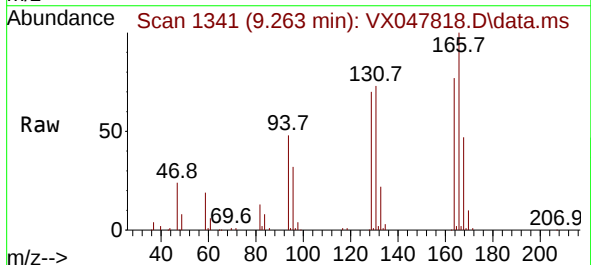
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20250915

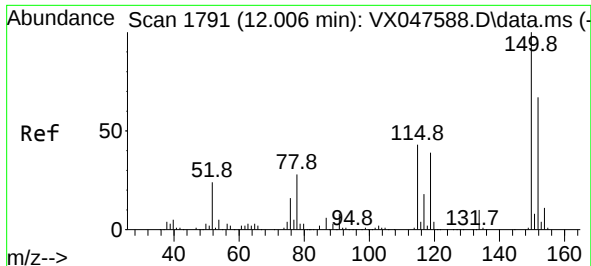
Tgt Ion:117 Resp: 394132
Ion Ratio Lower Upper
117 100
82 58.3 47.8 71.6
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 14.335 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047818.D
Acq: 25 Sep 2025 17:24

Tgt Ion:164 Resp: 36831
Ion Ratio Lower Upper
164 100
166 129.5 100.2 150.2
129 91.3 81.8 122.6
131 94.1 78.6 118.0

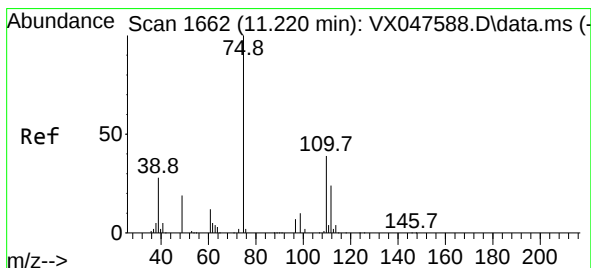
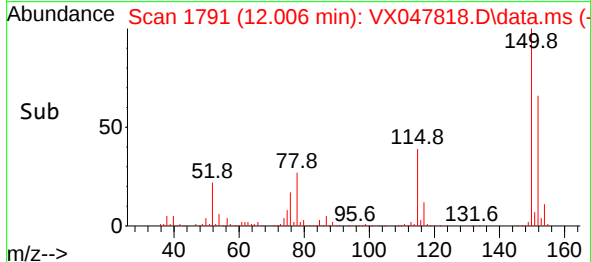
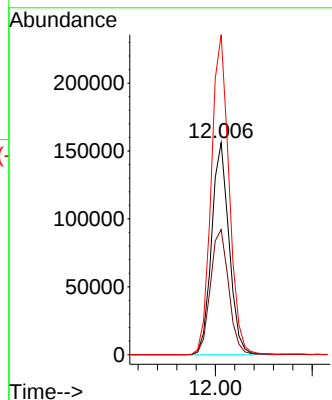
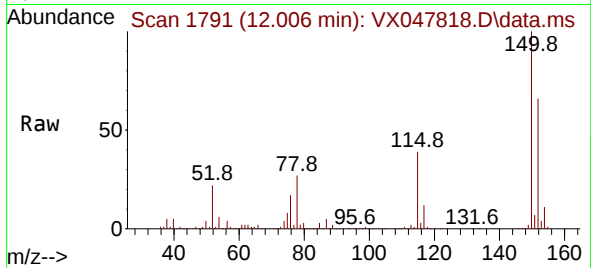




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047818.D
 Acq: 25 Sep 2025 17:24

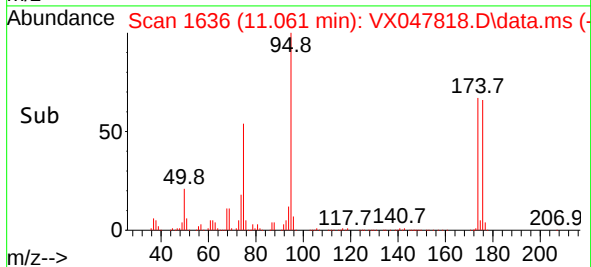
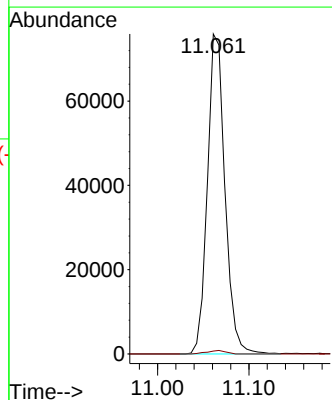
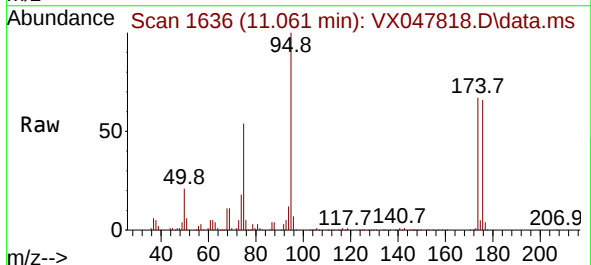
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20250915

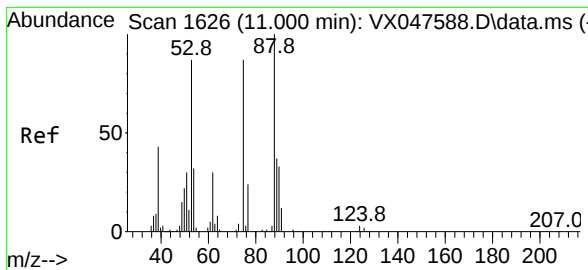
Tgt Ion:152 Resp: 195911
 Ion Ratio Lower Upper
 152 100
 115 61.9 44.9 134.5
 150 153.9 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 25.487 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047818.D
 Acq: 25 Sep 2025 17:24

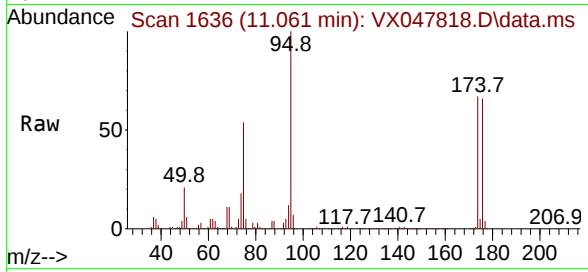
Tgt Ion: 75 Resp: 101095
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.995 ug/l
 RT: 11.061 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX047818.D
 Acq: 25 Sep 2025 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20250915



Tgt Ion: 75 Resp: 101095
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

