

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
 Data File : VX047907.D
 Acq On : 30 Sep 2025 13:54
 Operator : JC/MD
 Sample : Q3156-17RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT191D2-20250918

Quant Time: Oct 01 01:09:46 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

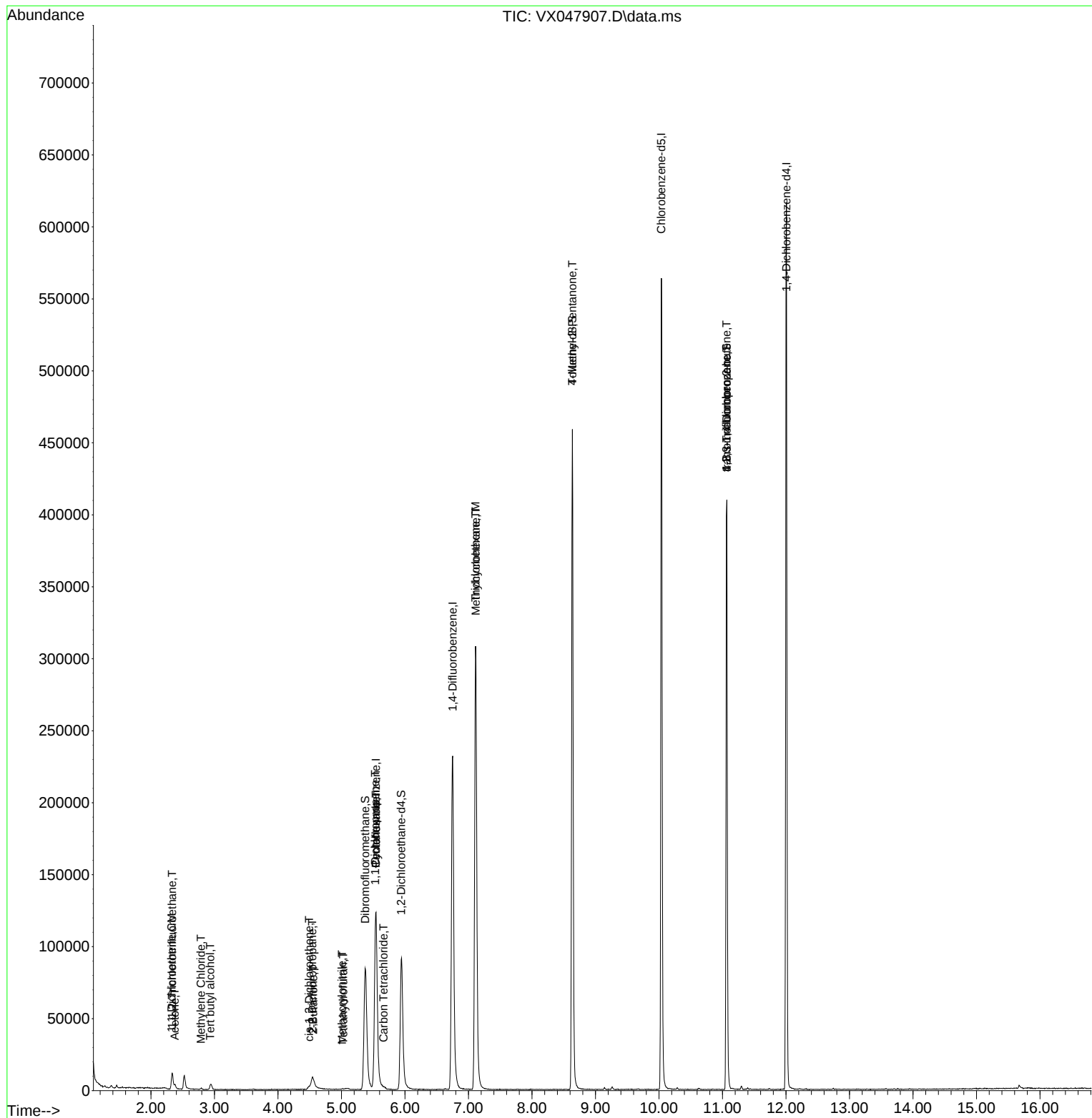
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	258118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	99715	49.948	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.900%
35) Dibromofluoromethane	5.373	113	84767	48.968	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.940%
50) Toluene-d8	8.635	98	286342	47.804	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.600%
62) 4-Bromofluorobenzene	11.061	95	121214	53.321	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.640%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	4106	2.830	ug/l	97
11) Tert butyl alcohol	2.934	59	2389	10.745	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1035	0.695	ug/l #	82
16) Acetone	2.374	43	3322	3.827	ug/l	92
20) Methylene Chloride	2.788	84	418	0.227	ug/l #	66
25) 2-Butanone	4.556	43	583	0.538	ug/l #	50
26) 2,2-Dichloropropane	4.538	77	568	0.216	ug/l #	65
27) cis-1,2-Dichloroethene	4.489	96	1320	0.672	ug/l	93
29) Tetrahydrofuran	5.026	42	266	0.408	ug/l #	62
31) Cyclohexane	5.544	56	2907	1.102	ug/l #	22
36) 1,1-Dichloropropene	5.532	75	10315	4.078	ug/l #	49
38) Carbon Tetrachloride	5.660	117	1421	0.517	ug/l #	68
39) Methylcyclohexane	7.117	83	3586	1.249	ug/l #	1
41) Methacrylonitrile	5.007	41	328	0.235	ug/l #	23
44) Trichloroethene	7.111	130	130051	70.017	ug/l	98
51) 4-Methyl-2-Pentanone	8.635	43	1299	0.527	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	62961	23.808	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	62961	60.713	ug/l #	8

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

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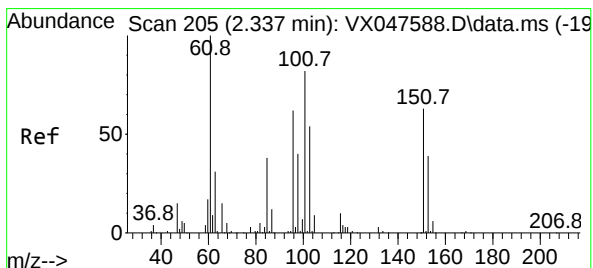
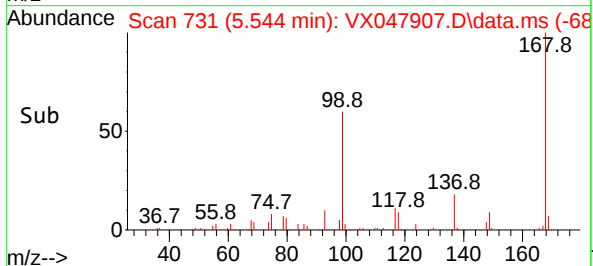
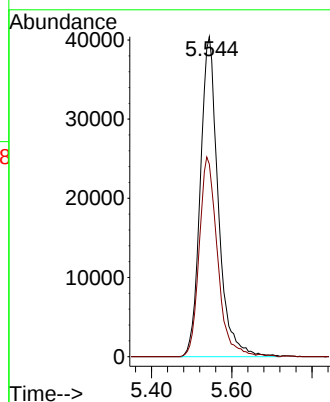
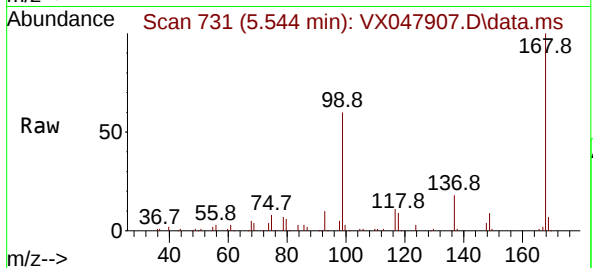




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

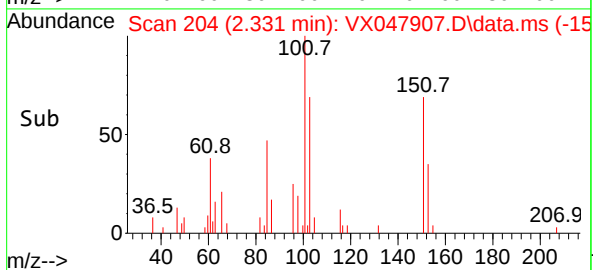
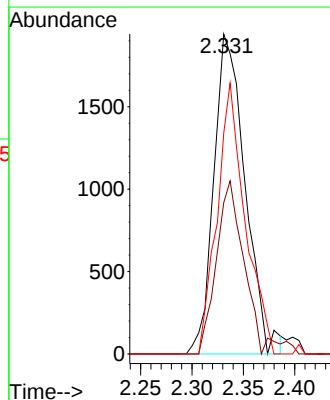
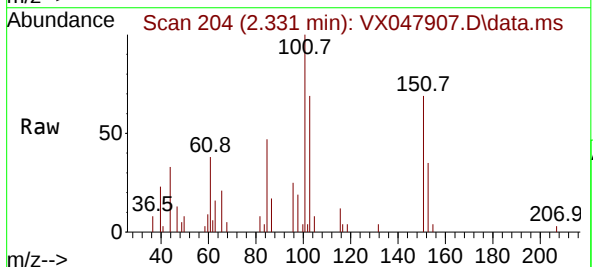
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

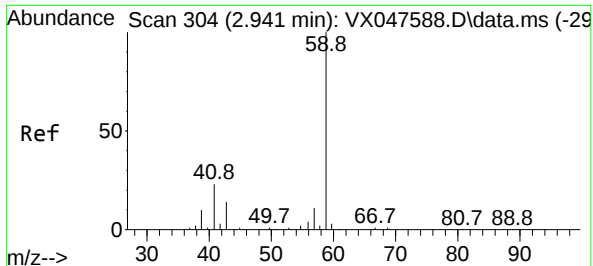
Tgt Ion:168 Resp: 125420
Ion Ratio Lower Upper
168 100
99 60.2 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.830 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Tgt Ion:101 Resp: 4106
Ion Ratio Lower Upper
101 100
85 47.8 35.5 53.3
151 75.7 59.4 89.0

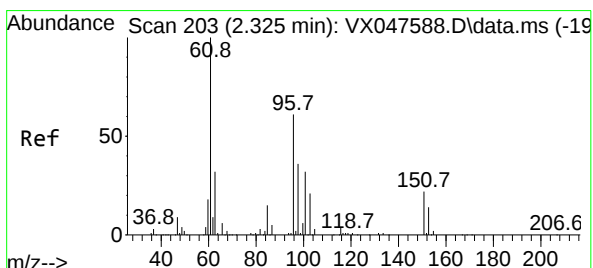
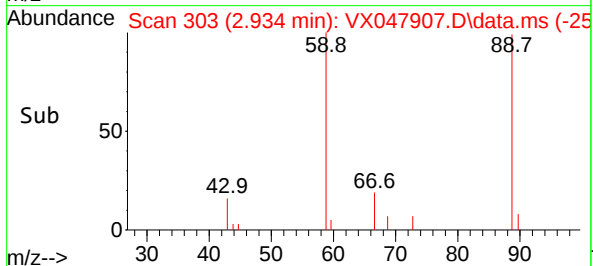
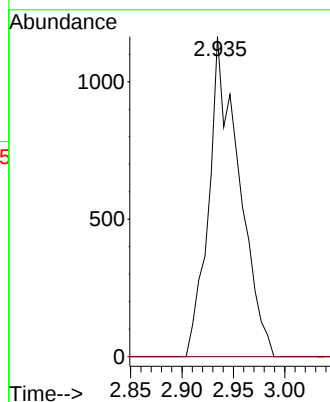
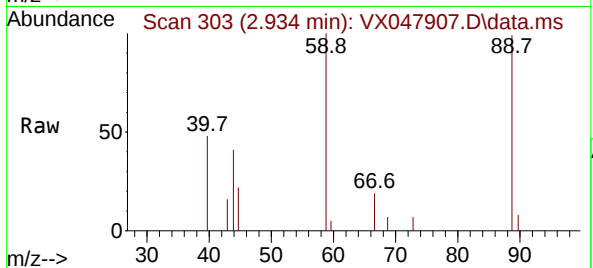




#11
Tert butyl alcohol
Concen: 10.745 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

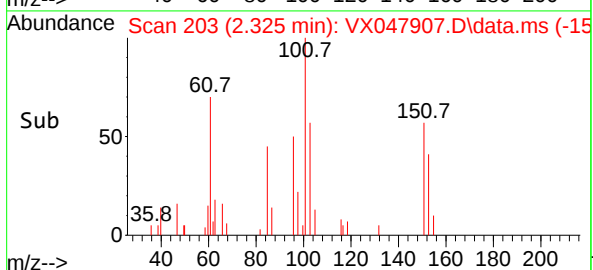
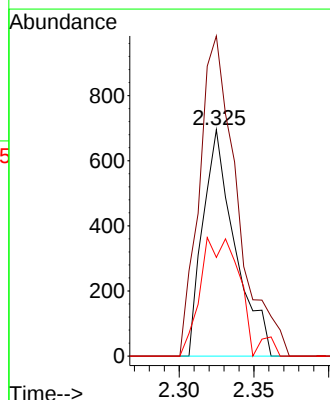
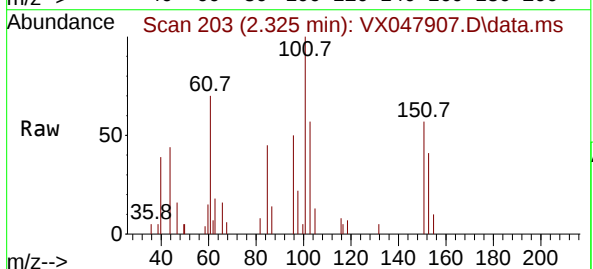
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

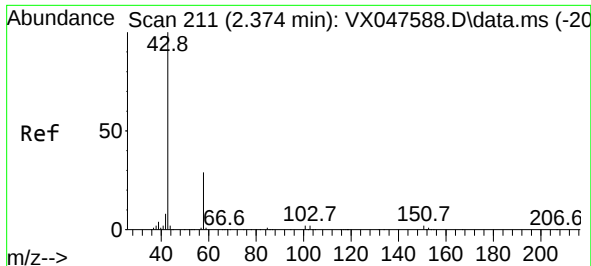
Tgt Ion: 59 Resp: 2389
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.695 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Tgt Ion: 96 Resp: 1035
Ion Ratio Lower Upper
96 100
61 141.4 131.0 196.6
98 43.6 47.7 71.5#

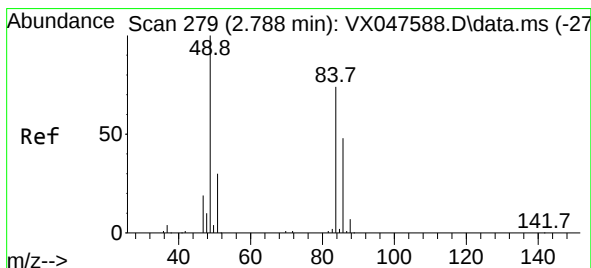
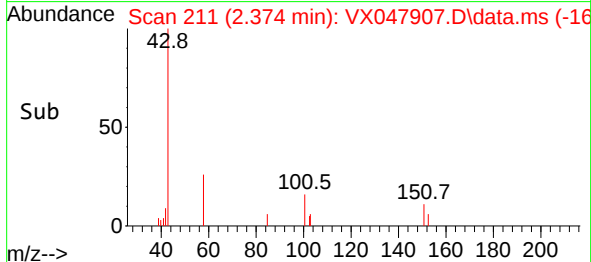
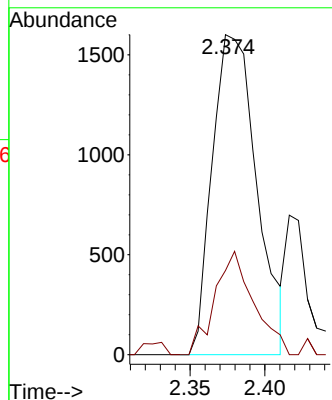
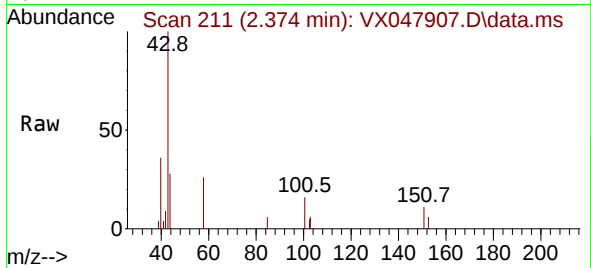




#16
Acetone
Concen: 3.827 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

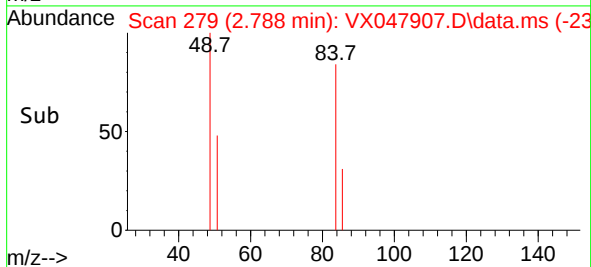
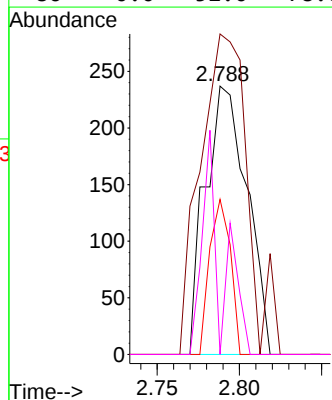
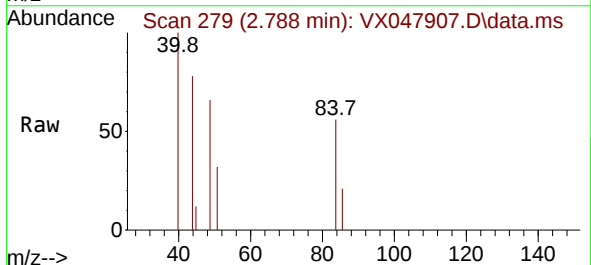
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

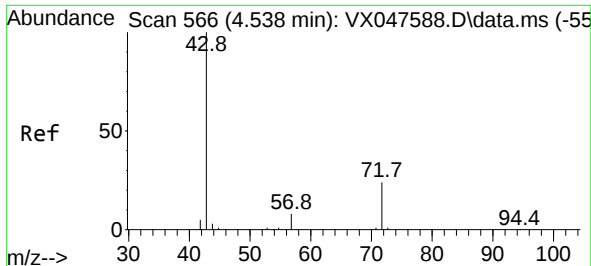
Tgt Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
58 24.7 23.4 35.0



#20
Methylene Chloride
Concen: 0.227 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Tgt Ion: 84 Resp: 418
Ion Ratio Lower Upper
84 100
49 119.4 108.6 162.8
51 57.8 32.6 48.8#
86 0.0 52.0 78.0#





#25

2-Butanone

Concen: 0.538 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

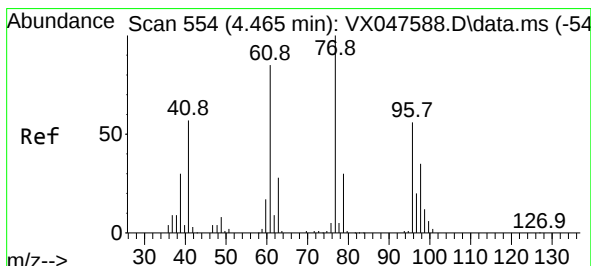
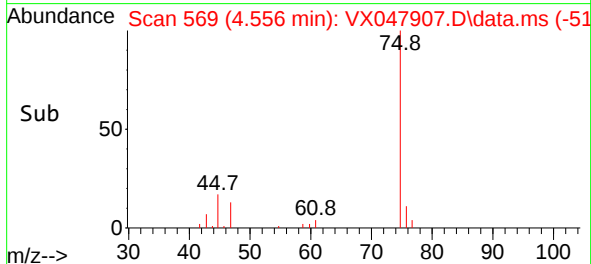
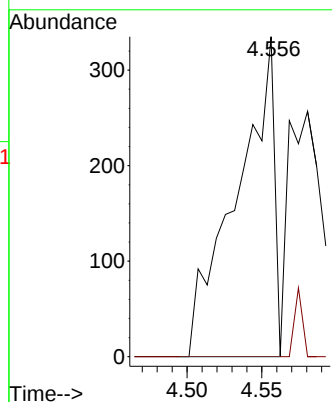
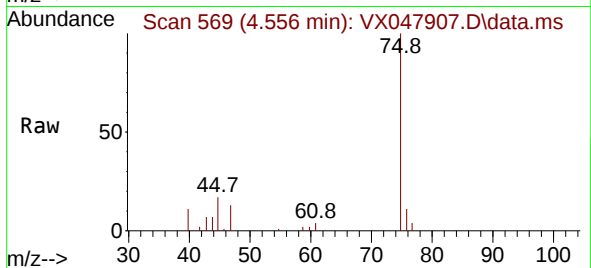
TT191D2-20250918

Tgt Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 0.216 ug/l

RT: 4.538 min Scan# 566

Delta R.T. 0.073 min

Lab File: VX047907.D

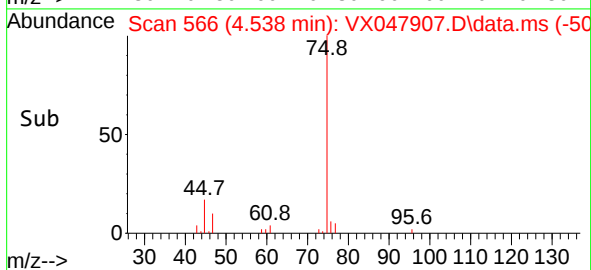
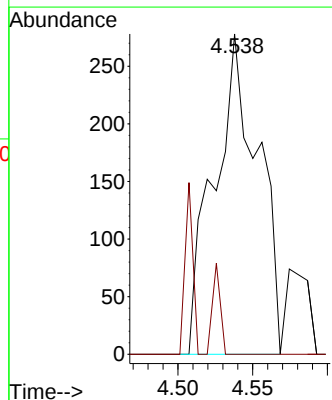
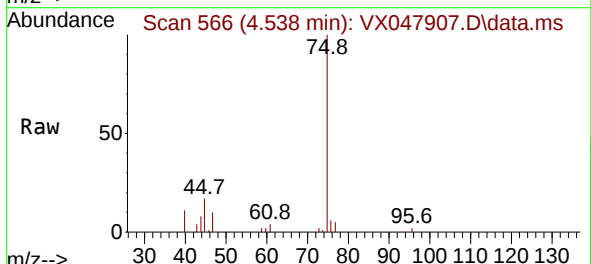
Acq: 30 Sep 2025 13:54

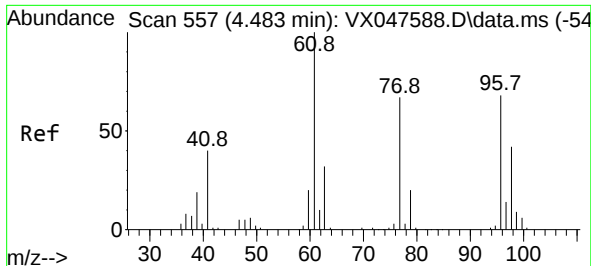
Tgt Ion: 77 Resp: 568

Ion Ratio Lower Upper

77 100

97 5.1 10.9 32.7#





#27

cis-1,2-Dichloroethene

Concen: 0.672 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20250918

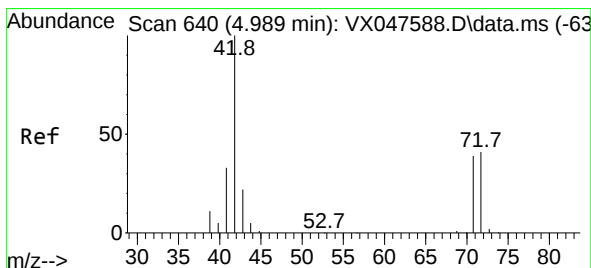
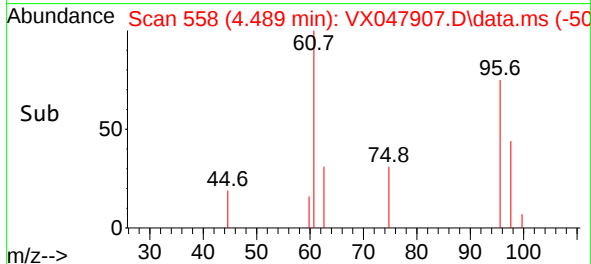
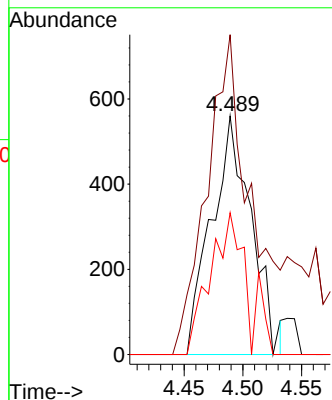
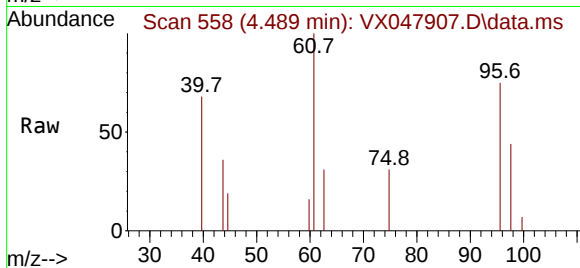
Tgt Ion: 96 Resp: 1320

Ion Ratio Lower Upper

96 100

61 145.5 0.0 303.2

98 55.2 0.0 127.8



#29

Tetrahydrofuran

Concen: 0.408 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.037 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

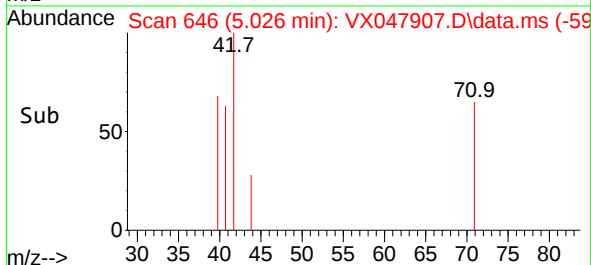
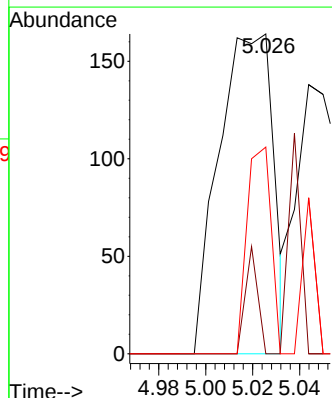
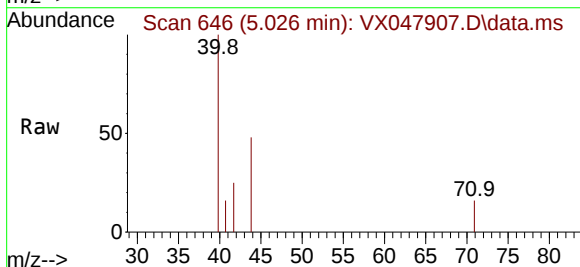
Tgt Ion: 42 Resp: 266

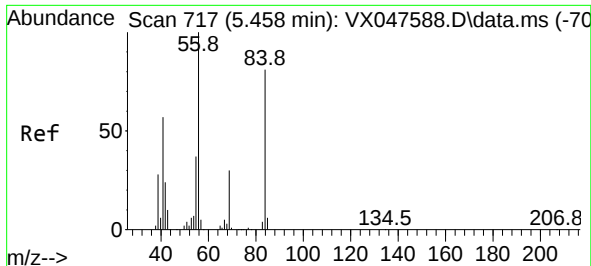
Ion Ratio Lower Upper

42 100

72 7.5 34.2 51.2#

71 28.2 31.9 47.9#

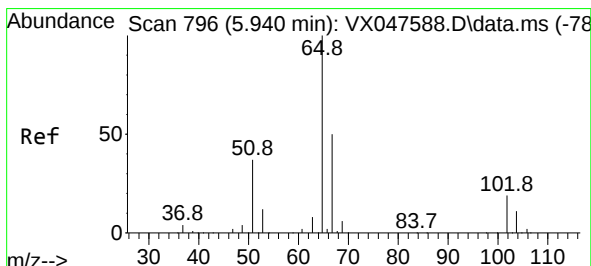
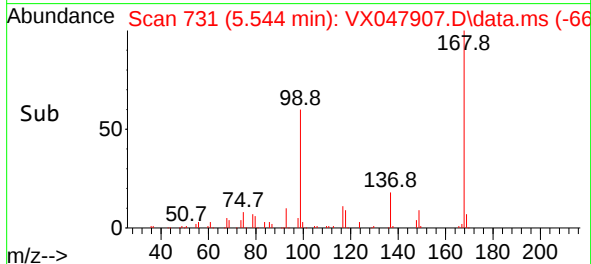
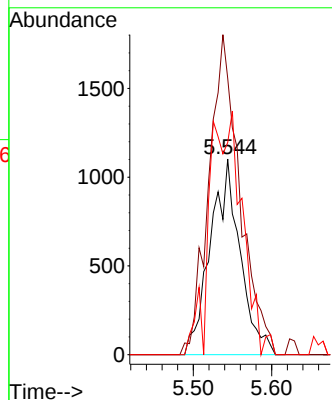
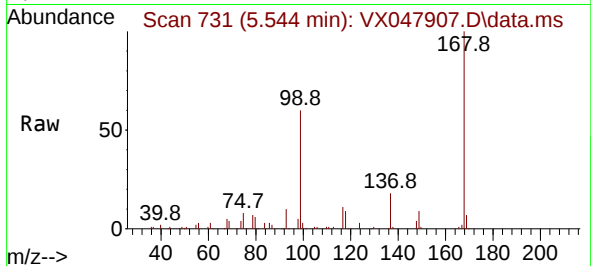




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

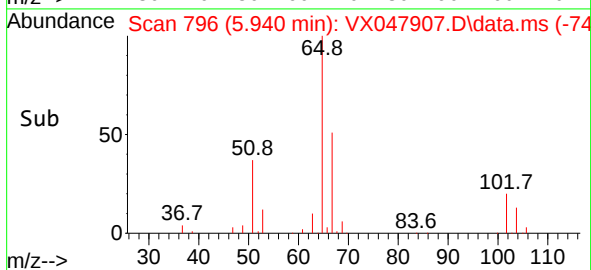
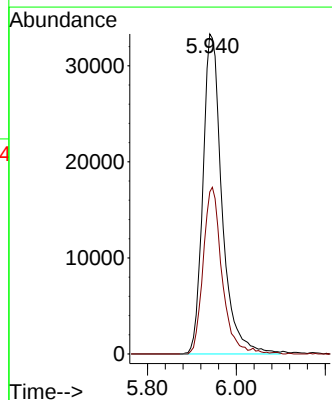
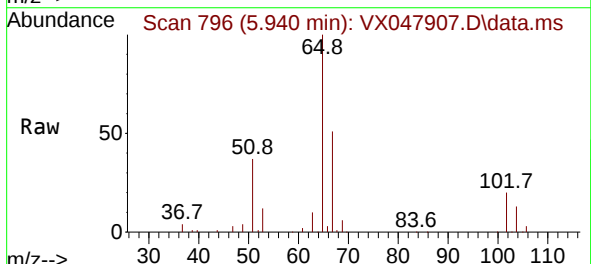
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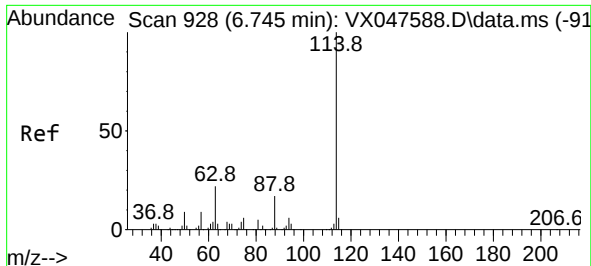
Tgt Ion: 56 Resp: 2907
Ion Ratio Lower Upper
56 100
69 141.2 23.8 35.8#
84 108.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 49.948 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

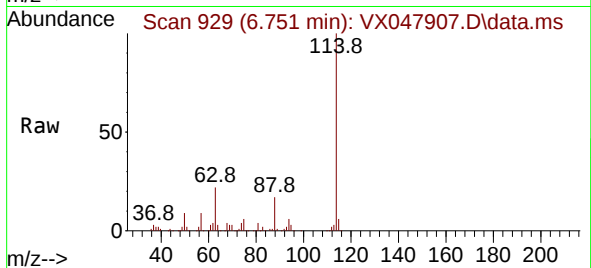
Tgt Ion: 65 Resp: 99715
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0



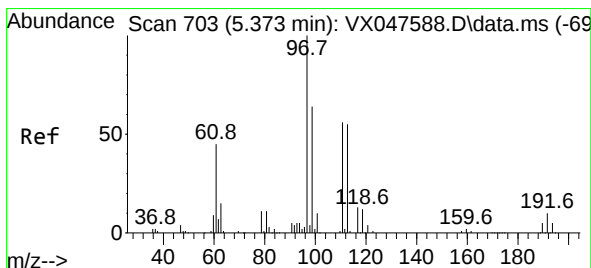
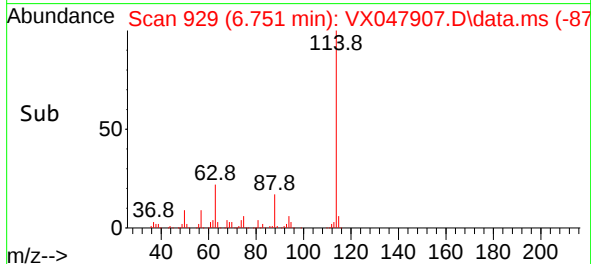
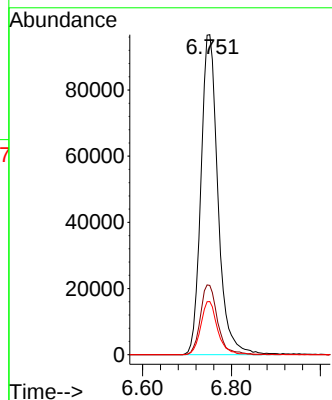


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Instrument :
MSVOA_X
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TT191D2-20250918

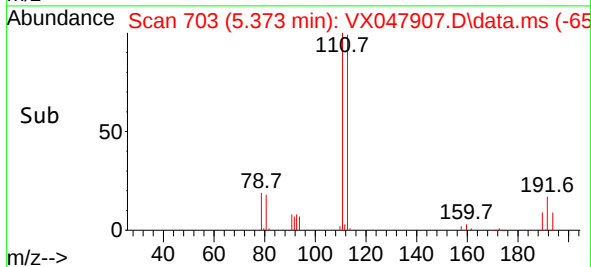
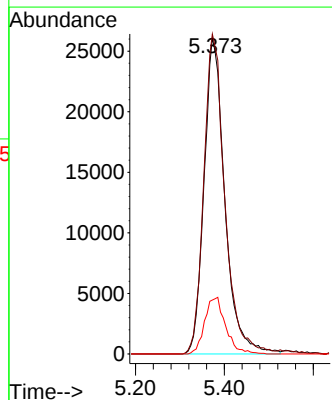
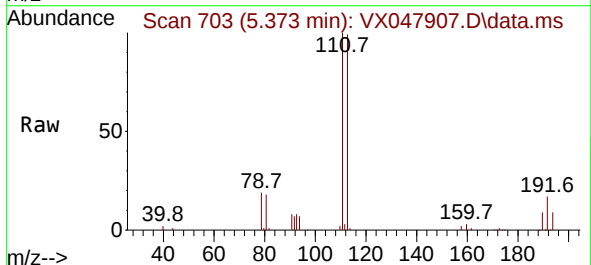


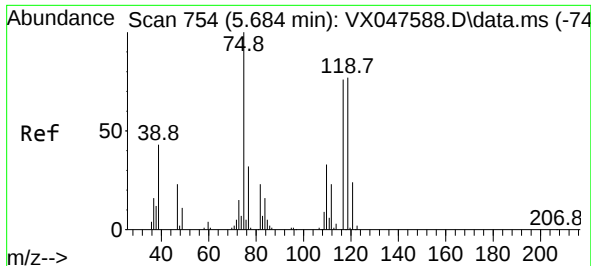
Tgt Ion:114 Resp: 258118
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 16.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.968 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Tgt Ion:113 Resp: 84767
Ion Ratio Lower Upper
113 100
111 102.5 80.9 121.3
192 18.0 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.078 ug/l

RT: 5.532 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX047907.D

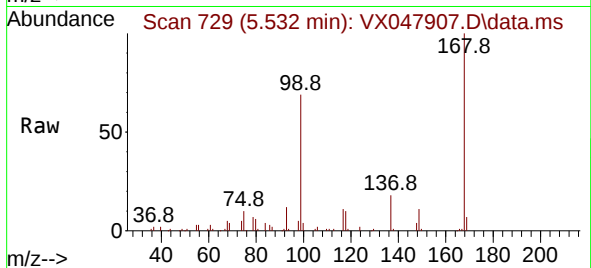
Acq: 30 Sep 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20250918



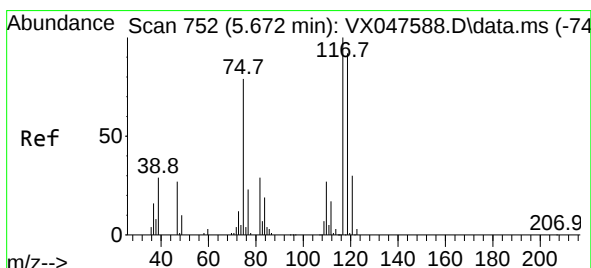
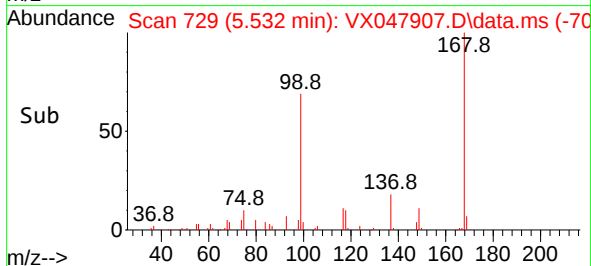
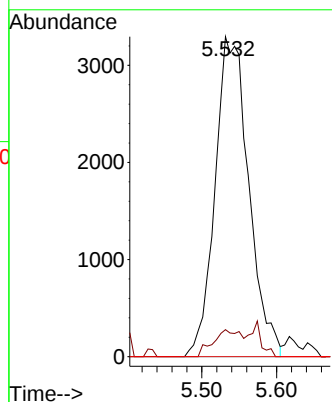
Tgt Ion: 75 Resp: 10315

Ion Ratio Lower Upper

75 100

110 7.0 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 0.517 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

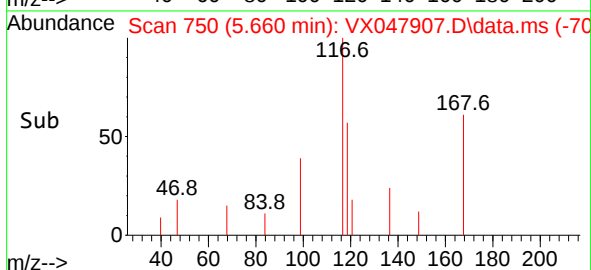
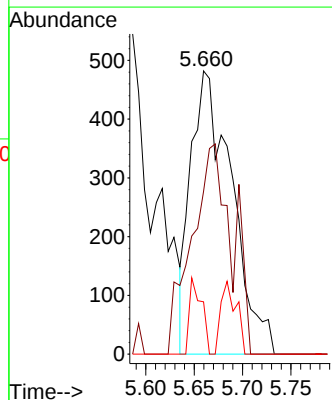
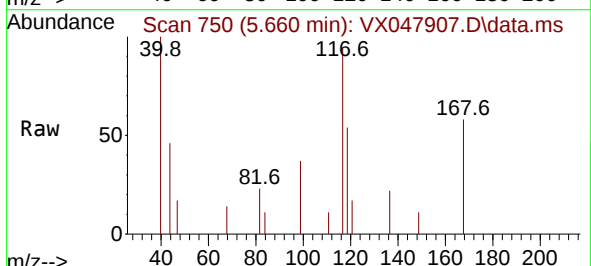
Tgt Ion: 117 Resp: 1421

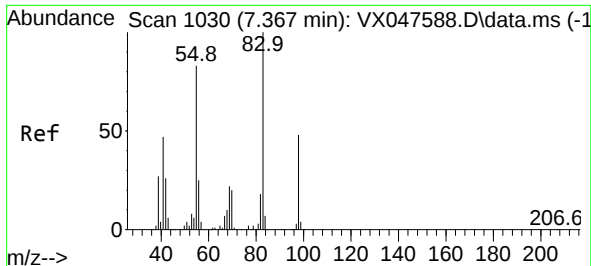
Ion Ratio Lower Upper

117 100

119 57.5 73.4 110.2#

121 18.5 23.8 35.6#





#39

Methylcyclohexane

Concen: 1.249 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX047907.D

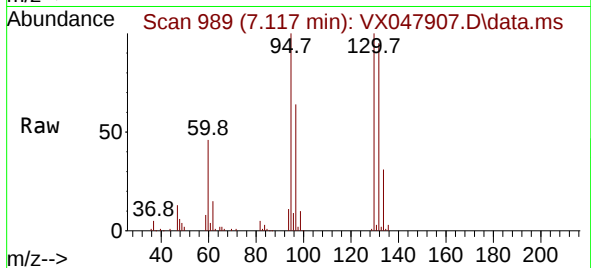
Acq: 30 Sep 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20250918



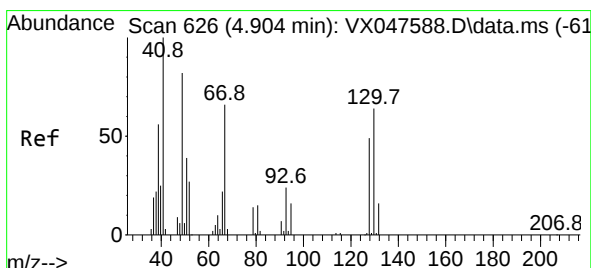
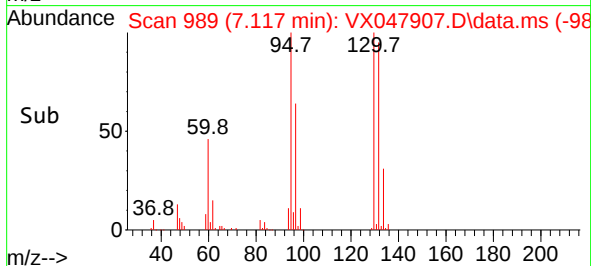
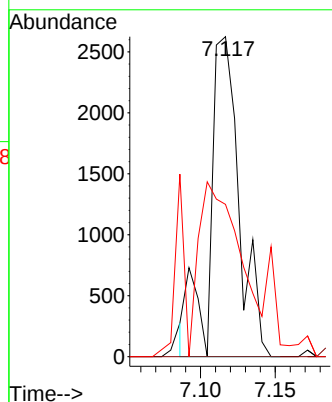
Tgt Ion: 83 Resp: 3586

Ion Ratio Lower Upper

83 100

55 0.0 66.4 99.6#

98 235.7 38.1 57.1#



#41

Methacrylonitrile

Concen: 0.235 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.104 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

Tgt Ion: 41 Resp: 328

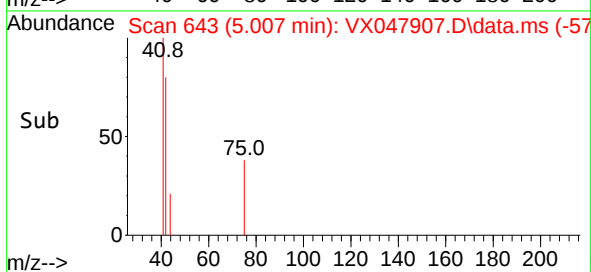
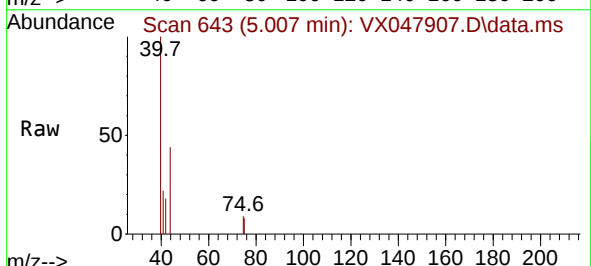
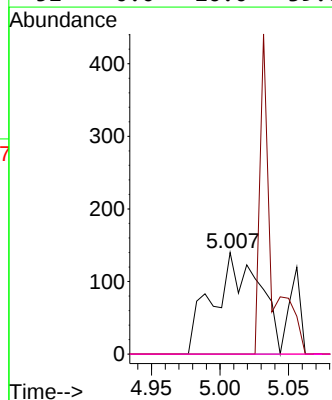
Ion Ratio Lower Upper

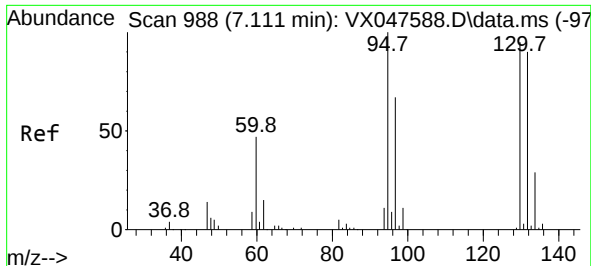
41 100

39 0.0 43.3 64.9#

67 0.0 58.6 87.8#

52 0.0 26.0 39.0#

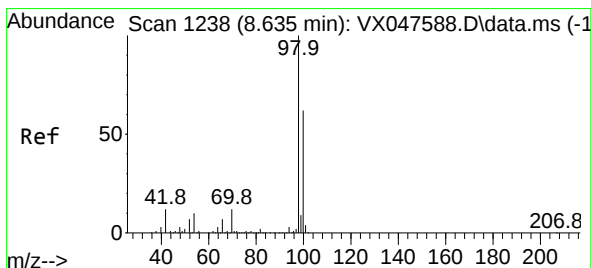
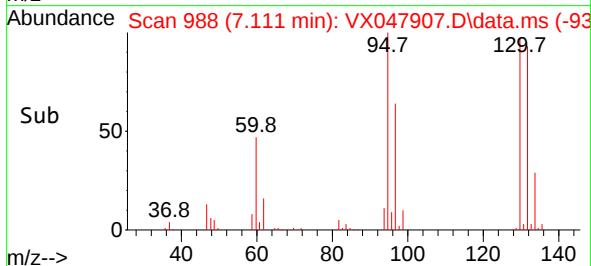
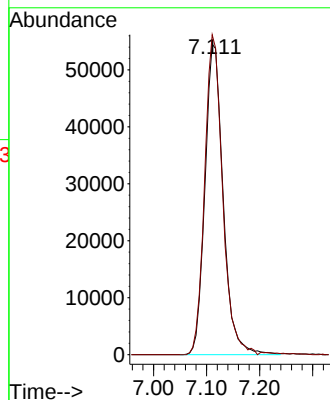
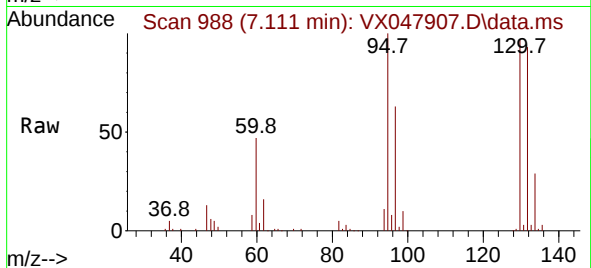




#44
Trichloroethene
Concen: 70.017 ug/l
RT: 7.111 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

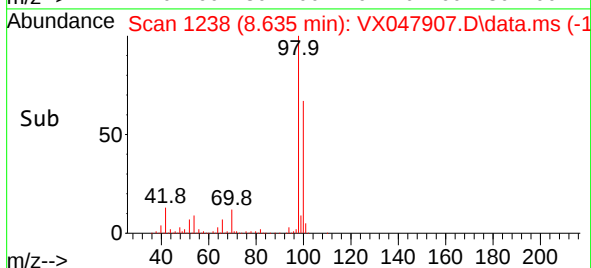
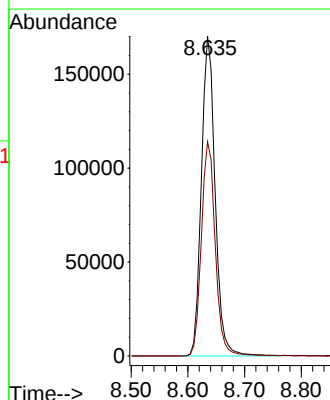
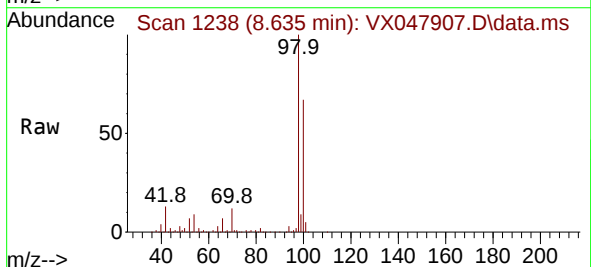
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

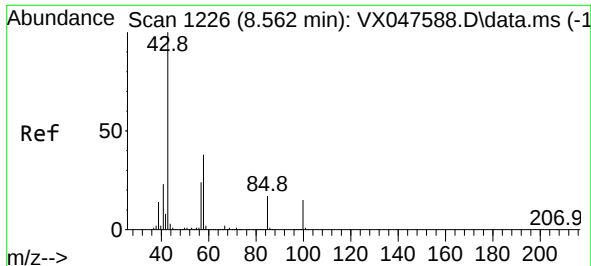
Tgt Ion:130 Resp: 130051
Ion Ratio Lower Upper
130 100
95 103.0 0.0 210.8



#50
Toluene-d8
Concen: 47.804 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Tgt Ion: 98 Resp: 286342
Ion Ratio Lower Upper
98 100
100 67.9 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 0.527 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

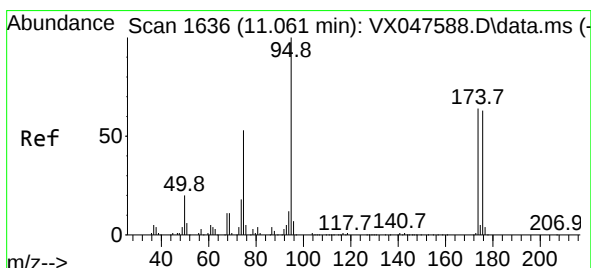
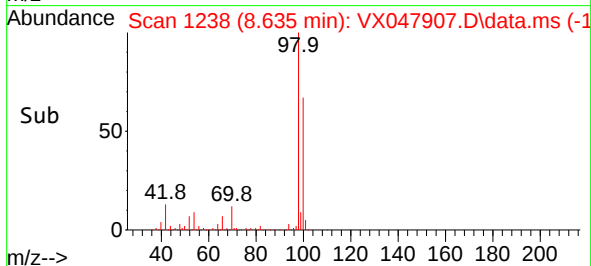
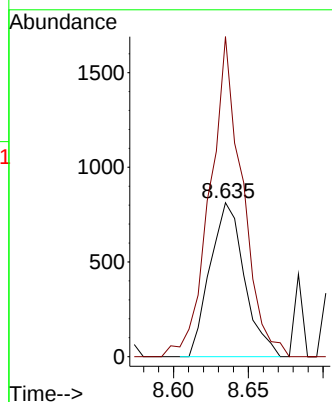
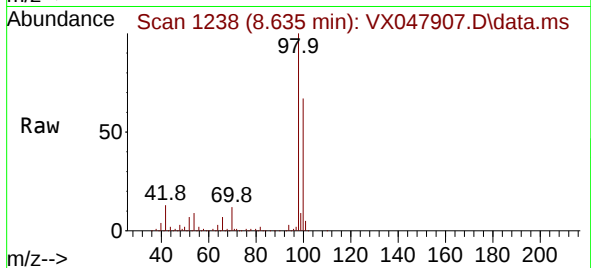
TT191D2-20250918

Tgt Ion: 43 Resp: 1299

Ion Ratio Lower Upper

43 100

58 196.0 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 53.321 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

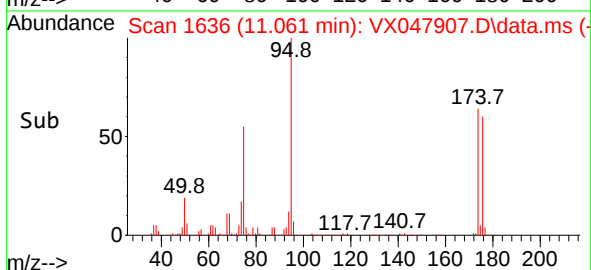
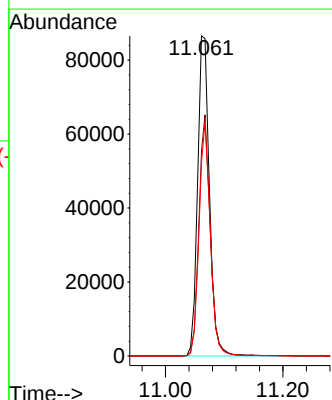
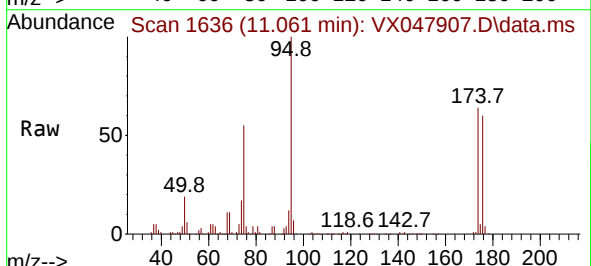
Tgt Ion: 95 Resp: 121214

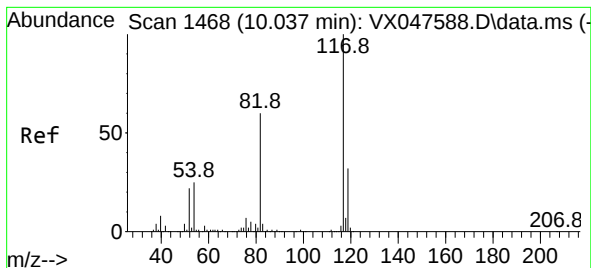
Ion Ratio Lower Upper

95 100

174 72.3 0.0 141.6

176 69.2 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: VX047907.D

Acq: 30 Sep 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20250918

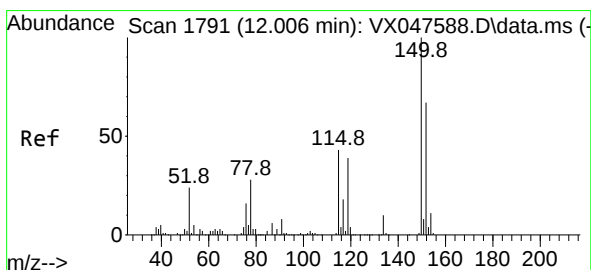
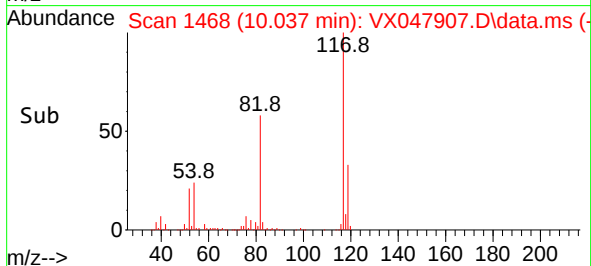
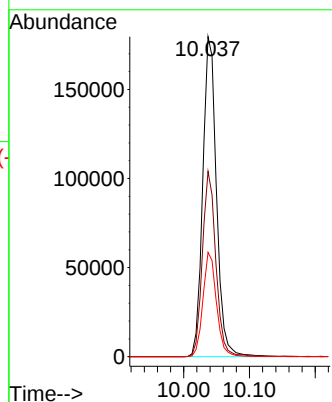
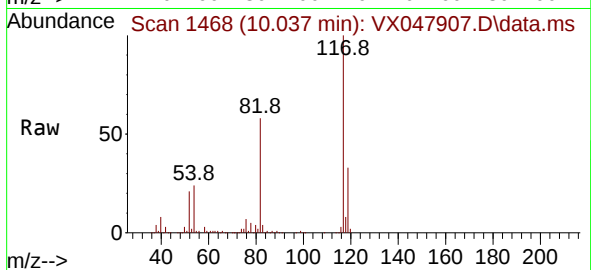
Tgt Ion:117 Resp: 260626

Ion Ratio Lower Upper

117 100

82 57.9 47.8 71.6

119 32.6 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX047907.D

Acq: 30 Sep 2025 13:54

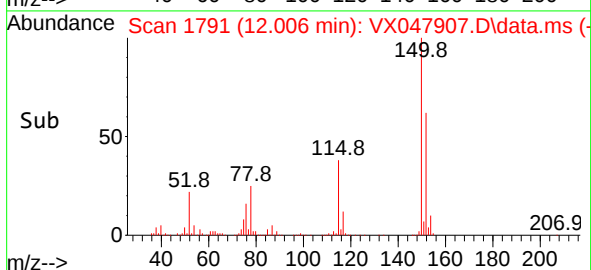
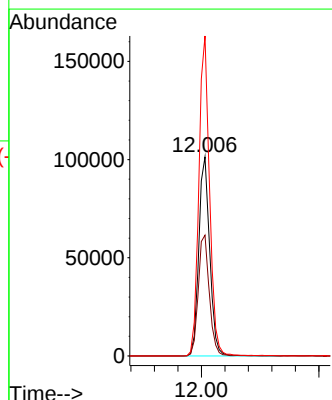
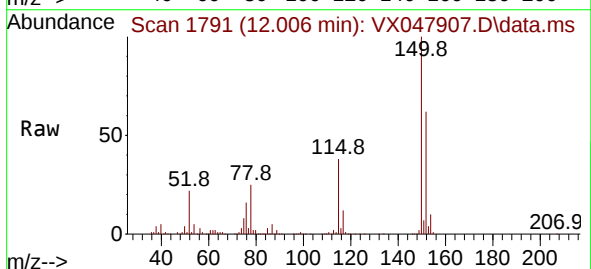
Tgt Ion:152 Resp: 130616

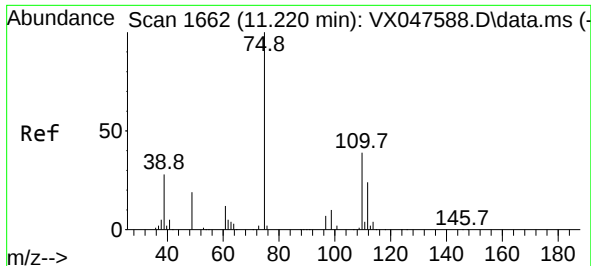
Ion Ratio Lower Upper

152 100

115 61.4 44.9 134.5

150 157.0 0.0 352.0

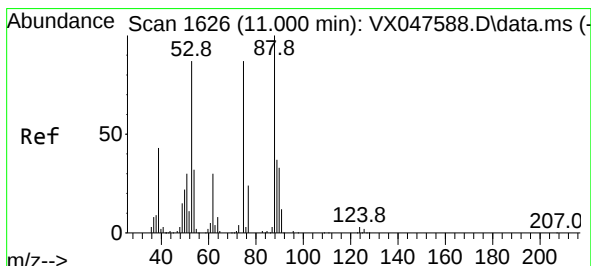
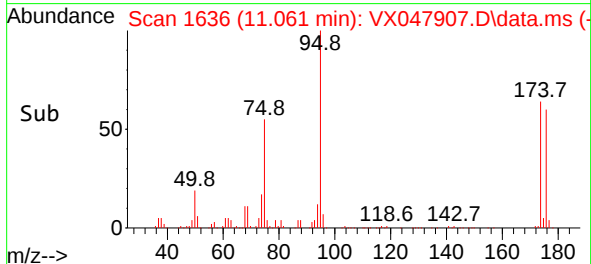
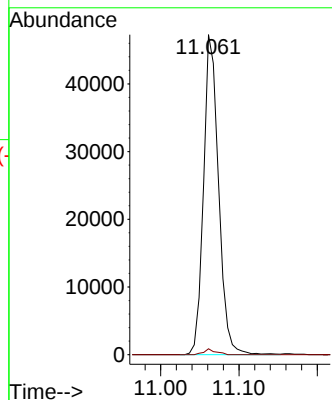
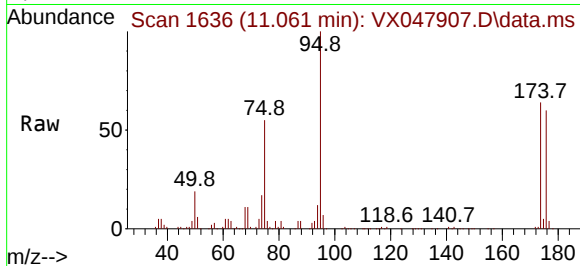




#76
1,2,3-Trichloropropane
Concen: 23.808 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

Tgt Ion: 75 Resp: 62961
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.713 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047907.D
Acq: 30 Sep 2025 13:54

Tgt Ion: 75 Resp: 62961
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

