

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047676.D
 Acq On : 19 Sep 2025 15:15
 Operator : JC/MD
 Sample : Q3097-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:33:12 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)

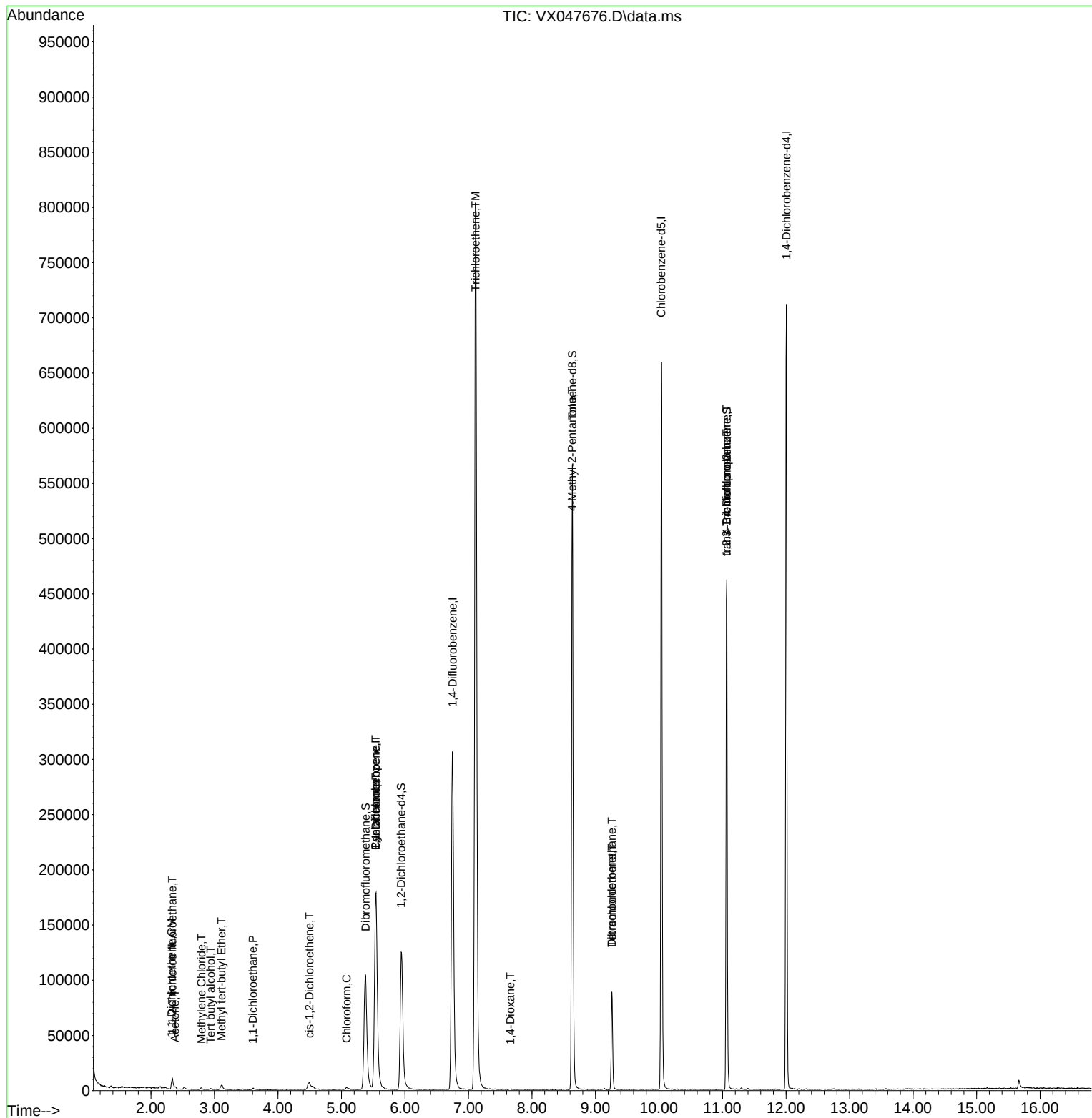
Internal Standards						
1) Pentafluorobenzene	5.538	168	181680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	337276	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	136352	47.150	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	94.300%	
35) Dibromofluoromethane	5.379	113	101342	44.803	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	89.600%	
50) Toluene-d8	8.635	98	348327	44.504	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	89.000%#	
62) 4-Bromofluorobenzene	11.067	95	132562	44.627	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	89.260%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	3597	1.712	ug/l	94
11) Tert butyl alcohol	2.941	59	98	0.304	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	990	0.459	ug/l #	85
16) Acetone	2.380	43	1971	1.568	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	4927	0.625	ug/l	93
20) Methylene Chloride	2.794	84	724	0.272	ug/l #	85
24) 1,1-Dichloroethane	3.605	63	1672	0.364	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	4771	1.676	ug/l	87
30) Chloroform	5.080	83	2482	0.535	ug/l #	82
31) Cyclohexane	5.538	56	4116	1.077	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	15610	4.723	ug/l #	48
44) Trichloroethene	7.111	130	335905	138.401	ug/l	100
49) 1,4-Dioxane	7.659	88	548	18.756	ug/l #	52
51) 4-Methyl-2-Pentanone	8.629	43	1638	0.509	ug/l #	1
60) Dibromochloromethane	9.256	129	16678	6.069	ug/l #	11
64) Tetrachloroethene	9.256	164	16757	8.457	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	68940	23.200	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	68940	59.162	ug/l #	8

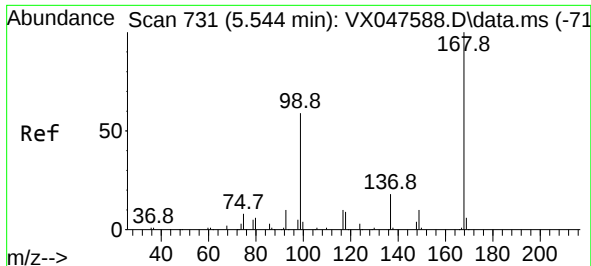
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 20 00:33:12 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

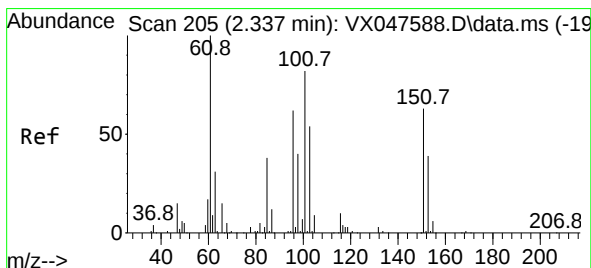
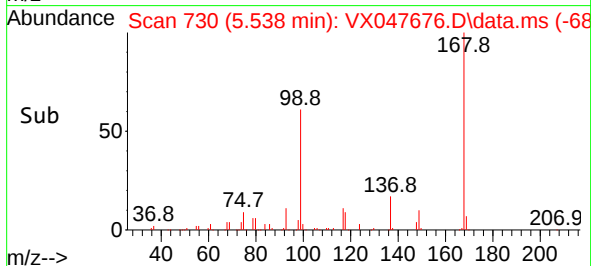
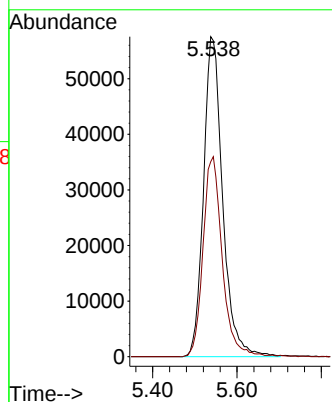
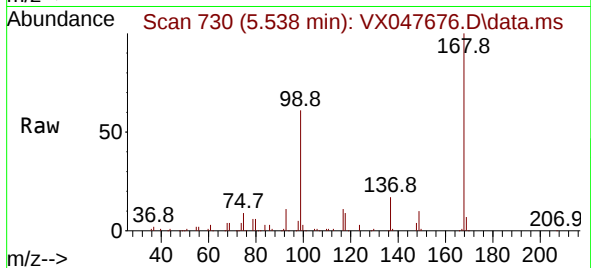




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

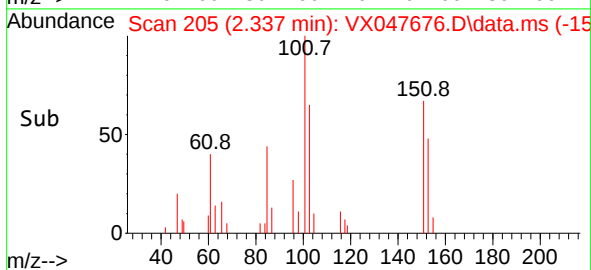
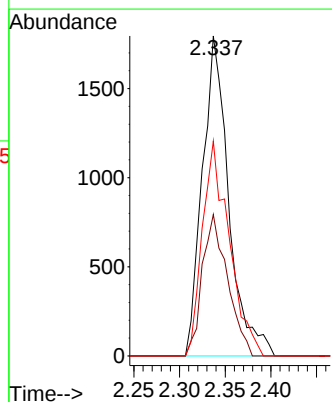
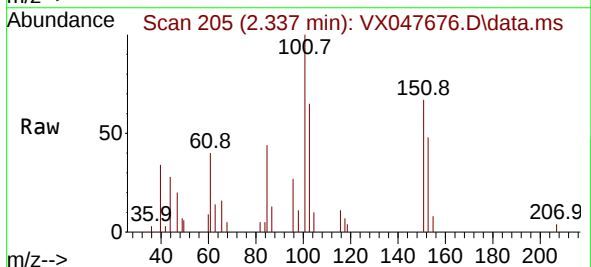
Instrument :
MSVOA_X
ClientSampleId :

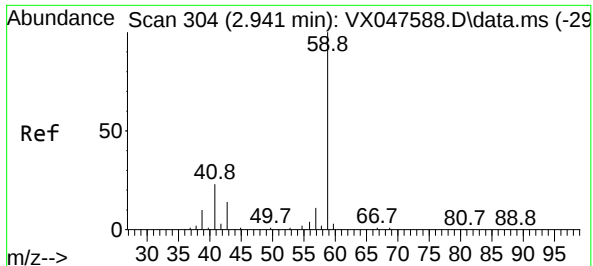
Tgt Ion:168 Resp: 181680
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.712 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Tgt Ion:101 Resp: 3597
Ion Ratio Lower Upper
101 100
85 42.2 35.5 53.3
151 68.3 59.4 89.0





#11

Tert butyl alcohol

Concen: 0.304 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX047676.D

Acq: 19 Sep 2025 15:15

Instrument :

MSVOA_X

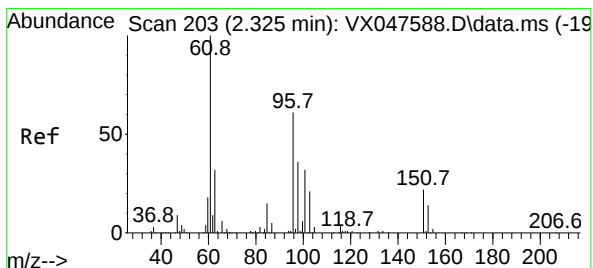
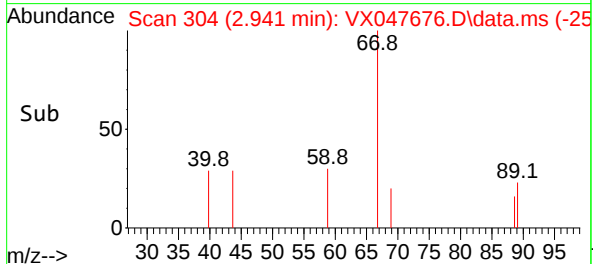
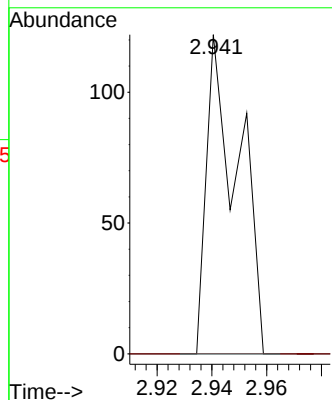
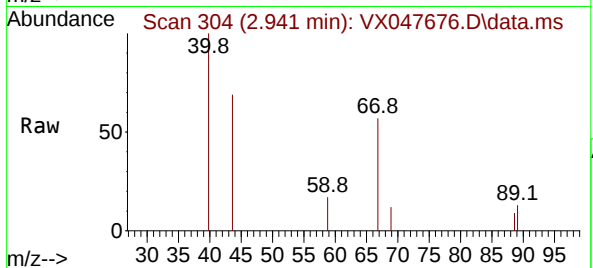
ClientSampleId :

Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.459 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047676.D

Acq: 19 Sep 2025 15:15

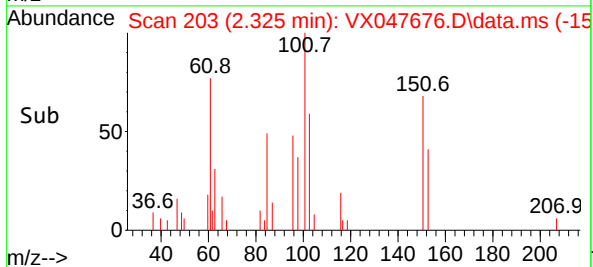
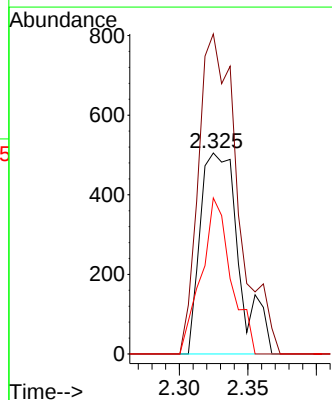
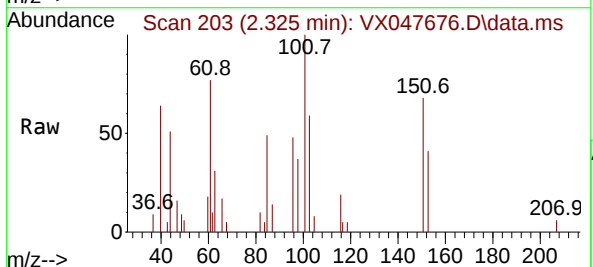
Tgt Ion: 96 Resp: 990

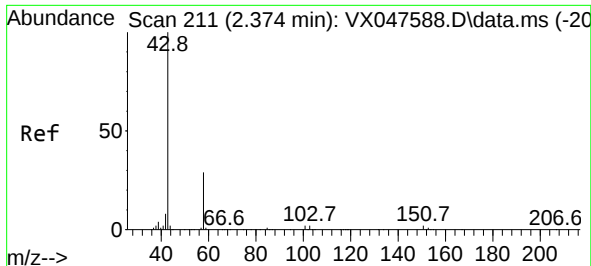
Ion Ratio Lower Upper

96 100

61 180.4 131.0 196.6

98 77.6 47.7 71.5#

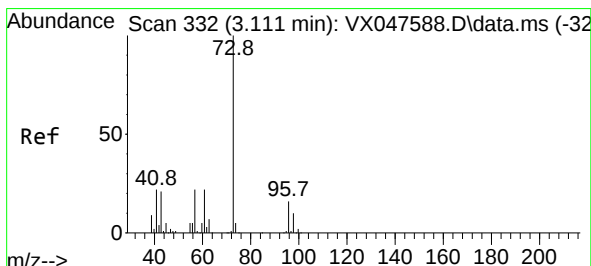
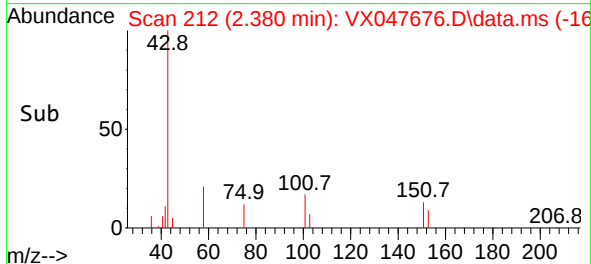
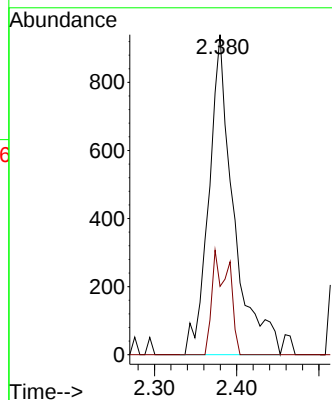
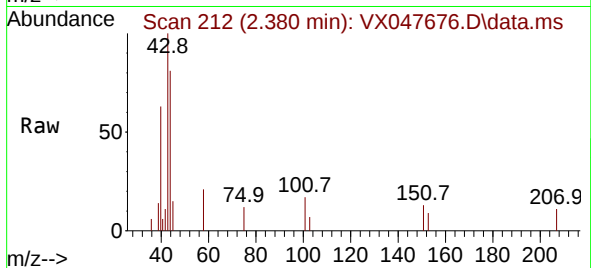




#16
Acetone
Concen: 1.568 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

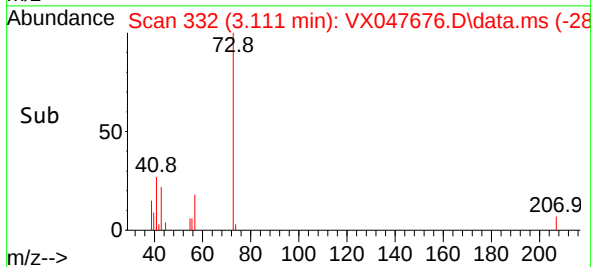
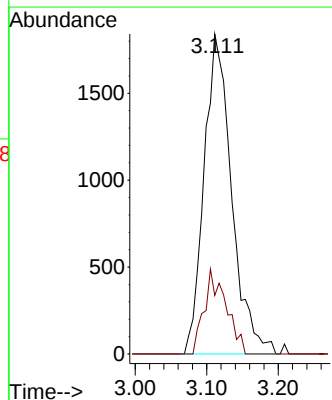
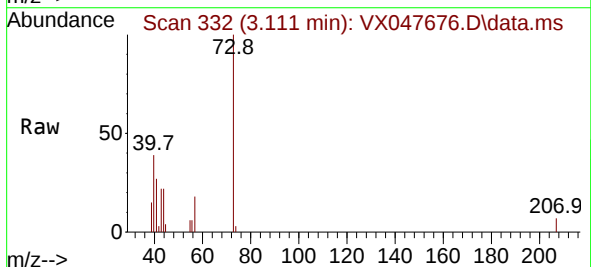
Instrument :
MSVOA_X
ClientSampleId :

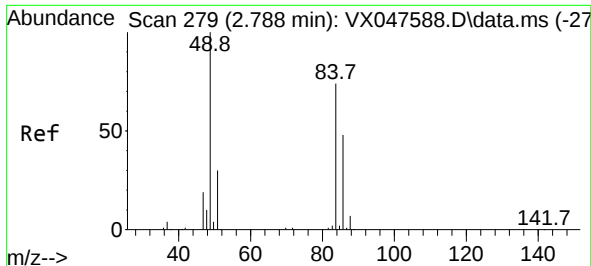
Tgt Ion: 43 Resp: 1971
Ion Ratio Lower Upper
43 100
58 21.4 23.4 35.0#



#19
Methyl tert-butyl Ether
Concen: 0.625 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

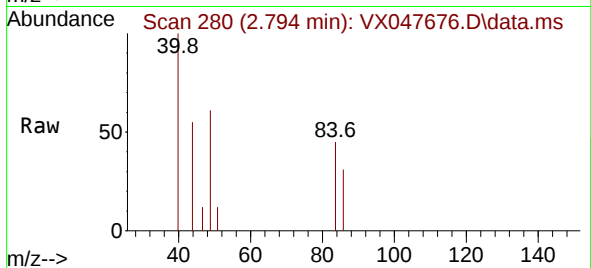
Tgt Ion: 73 Resp: 4927
Ion Ratio Lower Upper
73 100
57 18.3 17.4 26.2



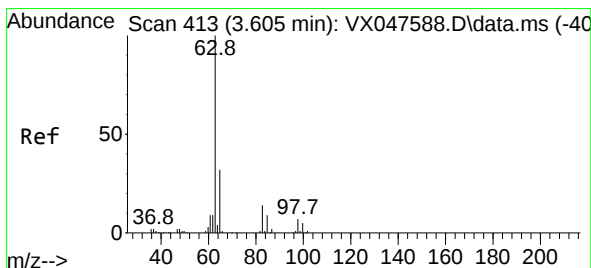
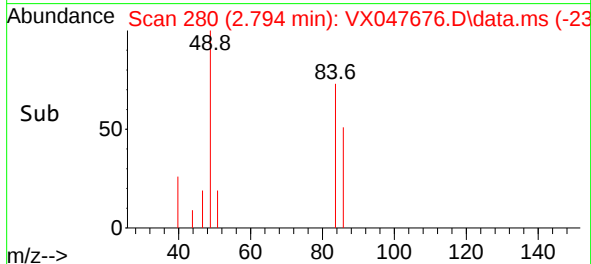
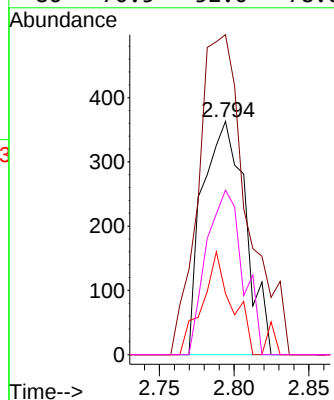


#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :

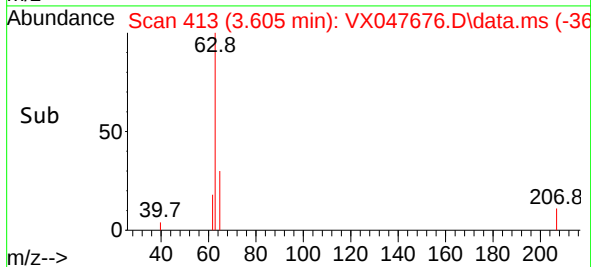
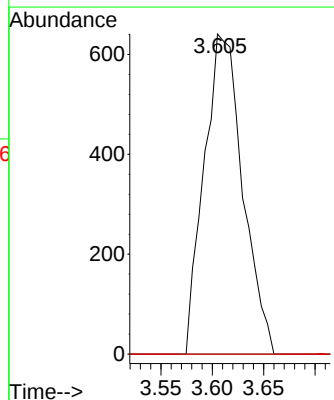
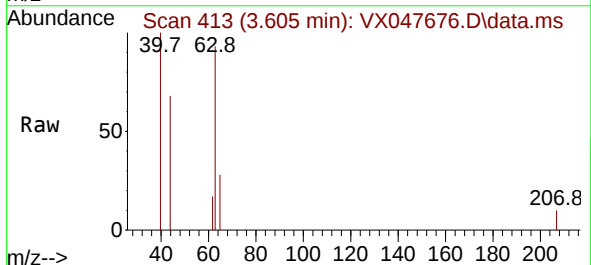


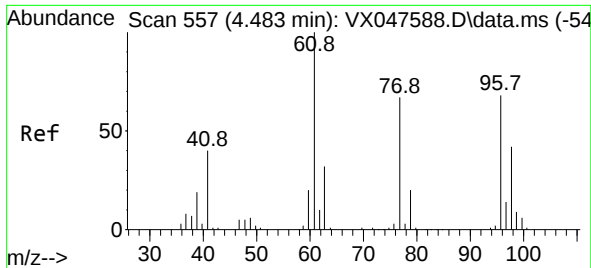
Tgt Ion: 84 Resp: 724
Ion Ratio Lower Upper
84 100
49 115.7 108.6 162.8
51 26.2 32.6 48.8#
86 70.5 52.0 78.0



#24
1,1-Dichloroethane
Concen: 0.364 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Tgt Ion: 63 Resp: 1672
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#

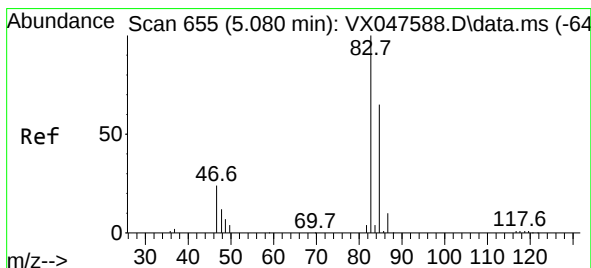
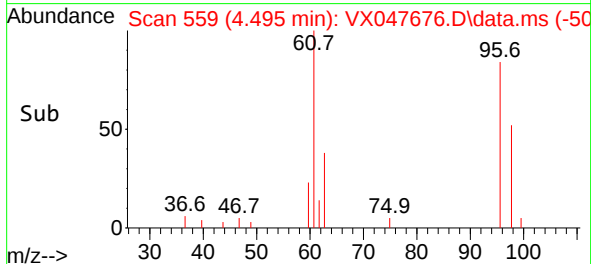
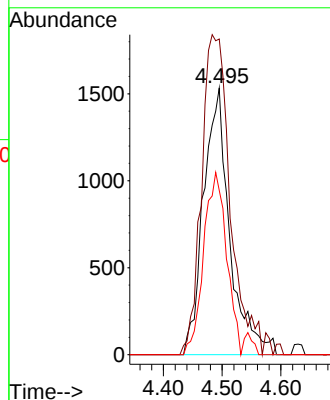
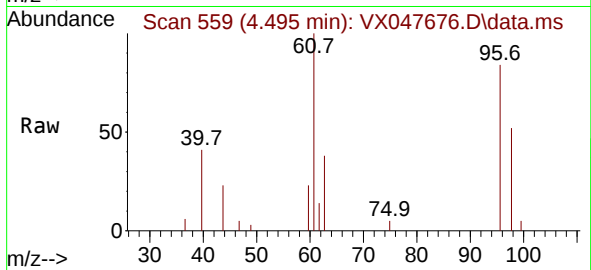




#27
 cis-1,2-Dichloroethene
 Concen: 1.676 ug/l
 RT: 4.495 min Scan# 557
 Delta R.T. 0.012 min
 Lab File: VX047676.D
 Acq: 19 Sep 2025 15:15

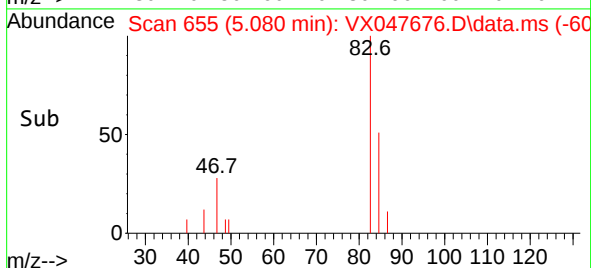
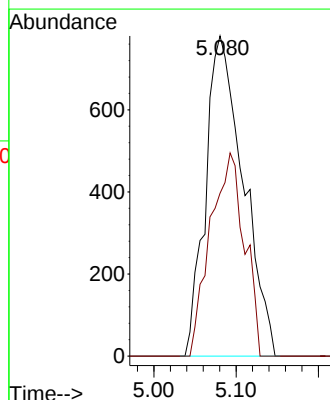
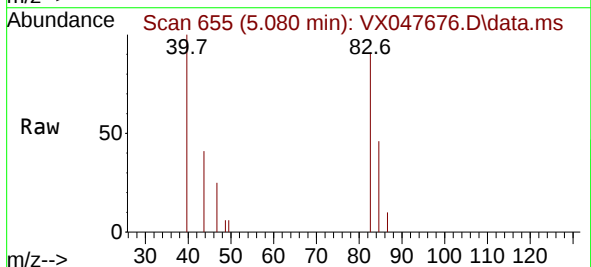
Instrument :
 MSVOA_X
 ClientSampleId :

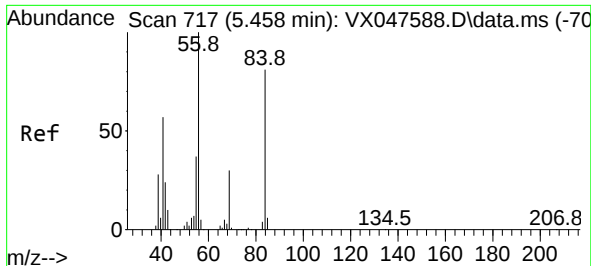
Tgt Ion: 96 Resp: 4771
 Ion Ratio Lower Upper
 96 100
 61 130.2 0.0 303.2
 98 59.6 0.0 127.8



#30
 Chloroform
 Concen: 0.535 ug/l
 RT: 5.080 min Scan# 655
 Delta R.T. -0.000 min
 Lab File: VX047676.D
 Acq: 19 Sep 2025 15:15

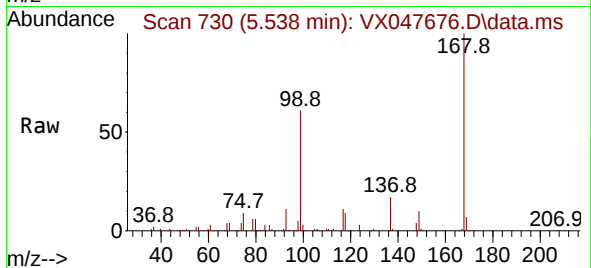
Tgt Ion: 83 Resp: 2482
 Ion Ratio Lower Upper
 83 100
 85 50.9 51.8 77.6#



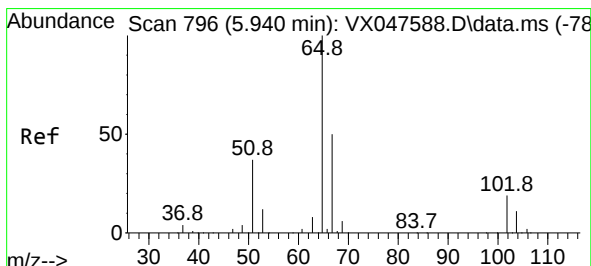
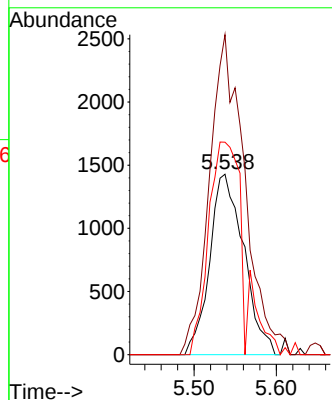
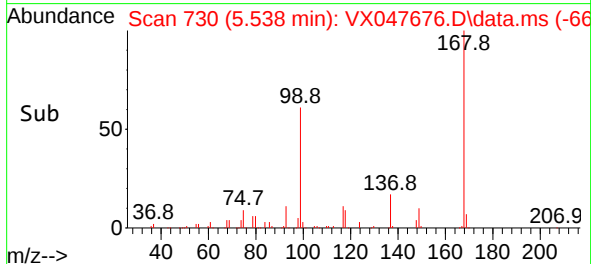


#31
Cyclohexane
Concen: 1.077 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :

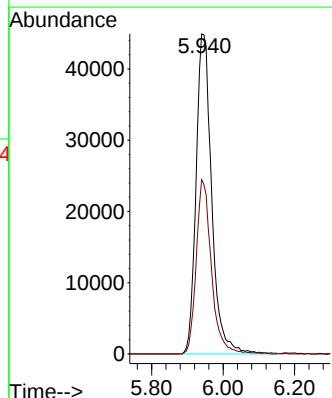
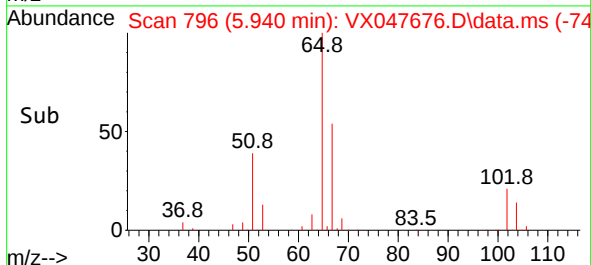
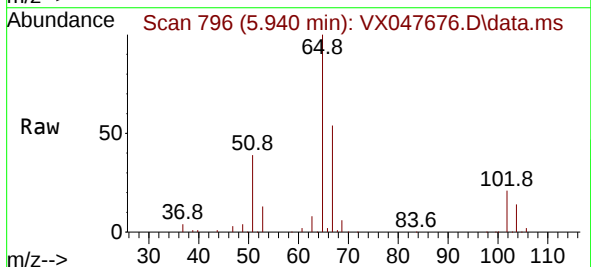


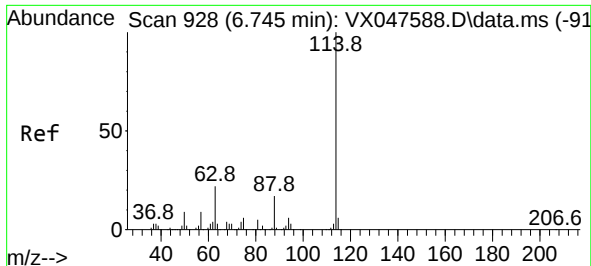
Tgt Ion: 56 Resp: 4116
Ion Ratio Lower Upper
56 100
69 177.3 23.8 35.8#
84 117.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 47.150 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

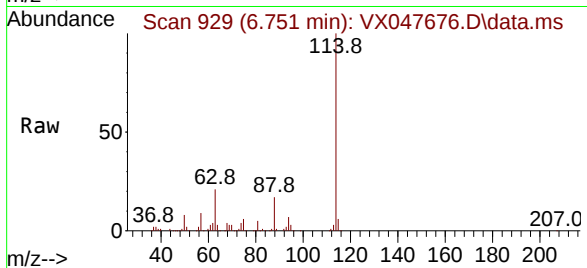
Tgt Ion: 65 Resp: 136352
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0



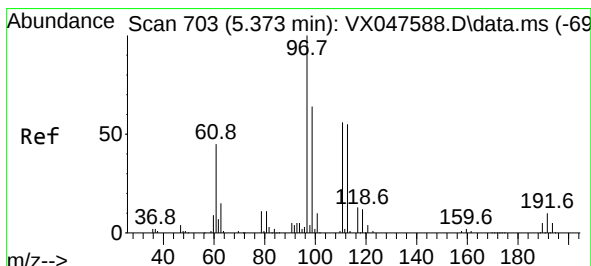
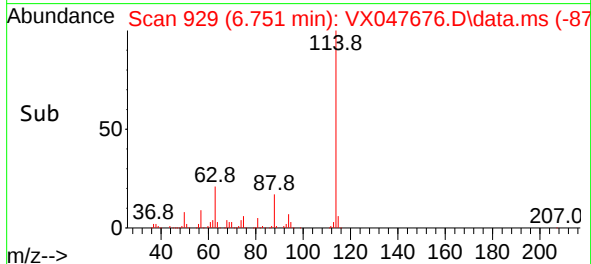
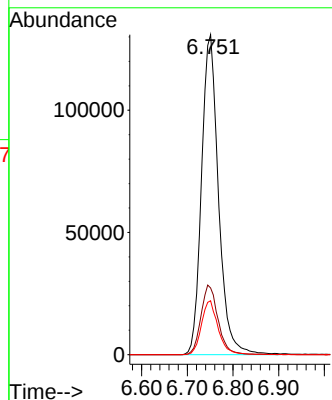


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :

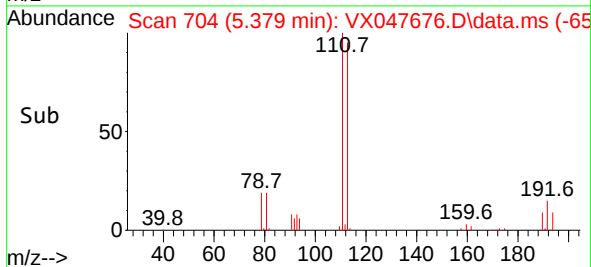
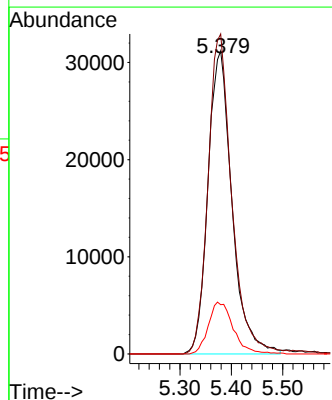
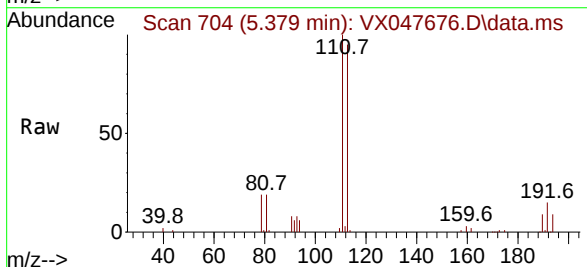


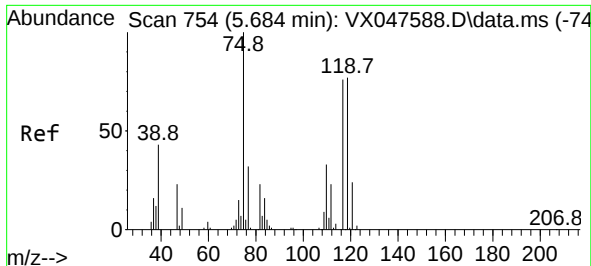
Tgt Ion:114 Resp: 337276
Ion Ratio Lower Upper
114 100
63 20.8 0.0 44.0
88 16.8 0.0 34.2



#35
Dibromofluoromethane
Concen: 44.803 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Tgt Ion:113 Resp: 101342
Ion Ratio Lower Upper
113 100
111 104.1 80.9 121.3
192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

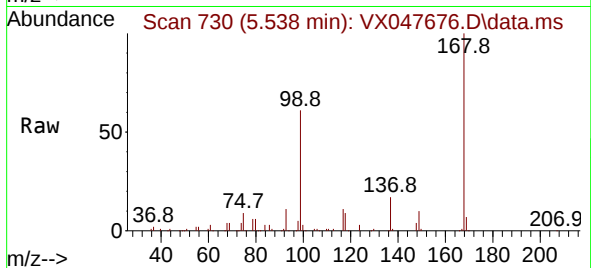
Lab File: VX047676.D

Acq: 19 Sep 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :



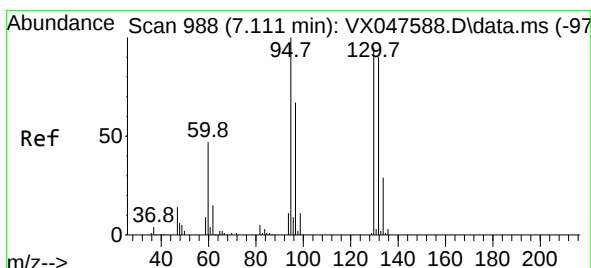
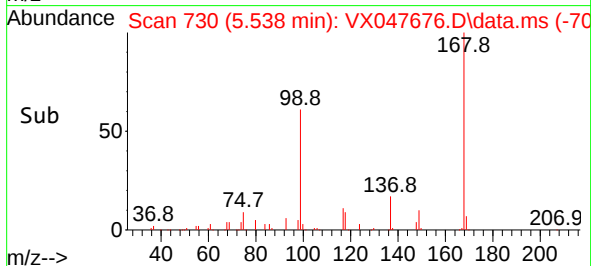
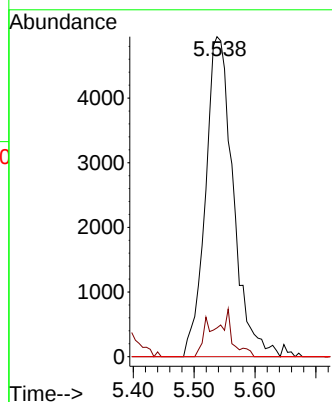
Tgt Ion: 75 Resp: 15610

Ion Ratio Lower Upper

75 100

110 5.7 16.7 50.1#

77 0.0 24.3 36.5#



#44

Trichloroethene

Concen: 138.401 ug/l

RT: 7.111 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX047676.D

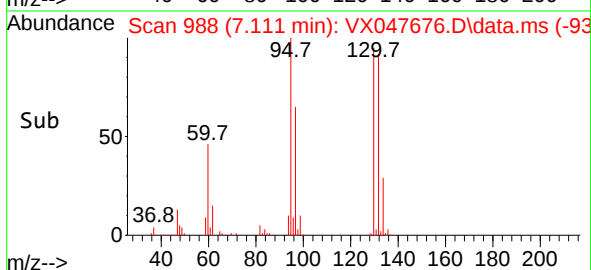
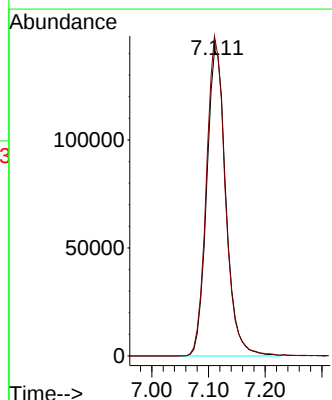
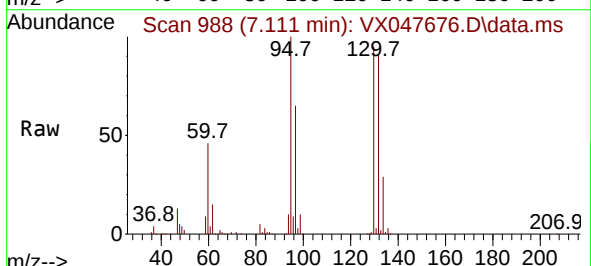
Acq: 19 Sep 2025 15:15

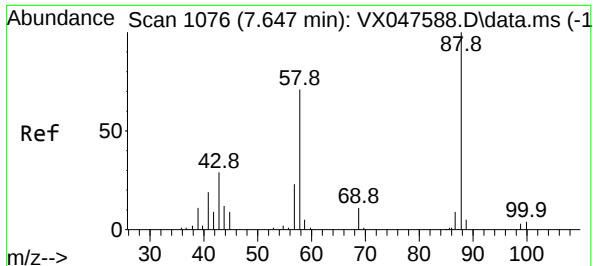
Tgt Ion:130 Resp: 335905

Ion Ratio Lower Upper

130 100

95 104.9 0.0 210.8





#49

1,4-Dioxane

Concen: 18.756 ug/l

RT: 7.659 min Scan# 1076

Delta R.T. 0.012 min

Lab File: VX047676.D

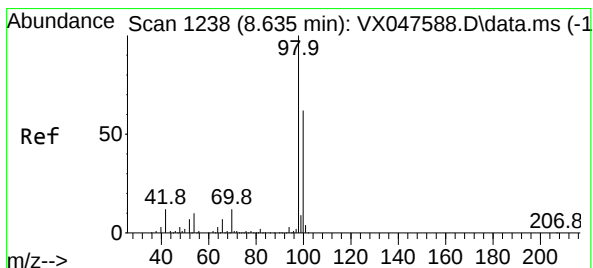
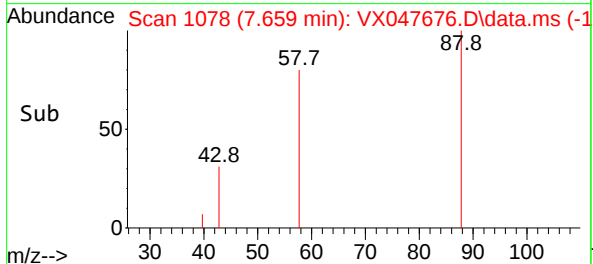
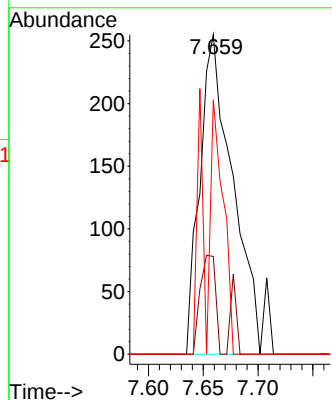
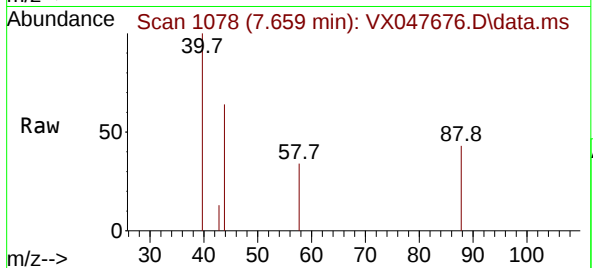
Acq: 19 Sep 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	548
Ion	Ratio	Lower	Upper
88	100		
43	13.9	30.2	45.2#
58	29.9	59.5	89.3#



#50

Toluene-d8

Concen: 44.504 ug/l

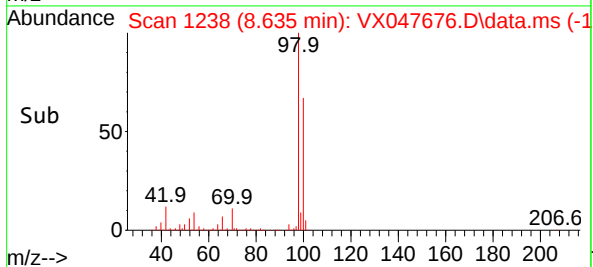
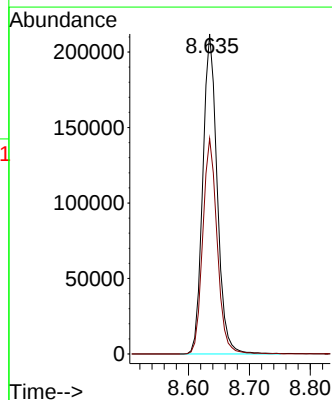
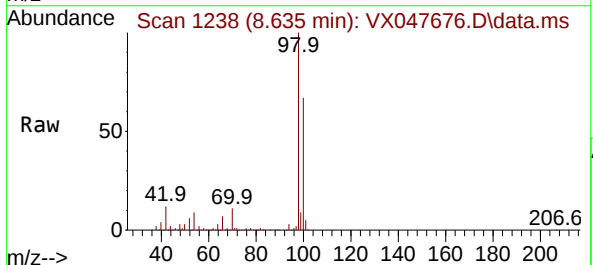
RT: 8.635 min Scan# 1238

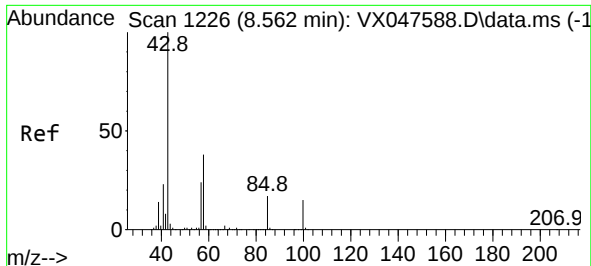
Delta R.T. -0.000 min

Lab File: VX047676.D

Acq: 19 Sep 2025 15:15

Tgt Ion:	98	Resp:	348327
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

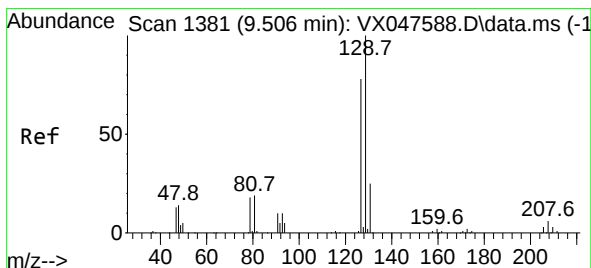
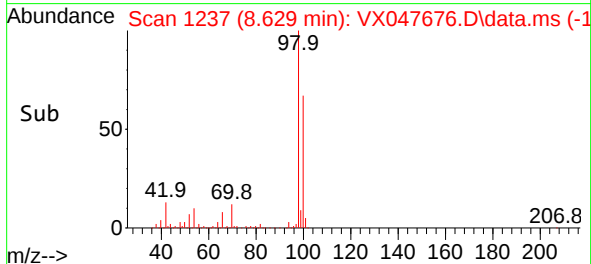
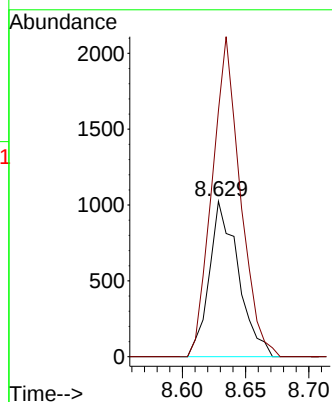
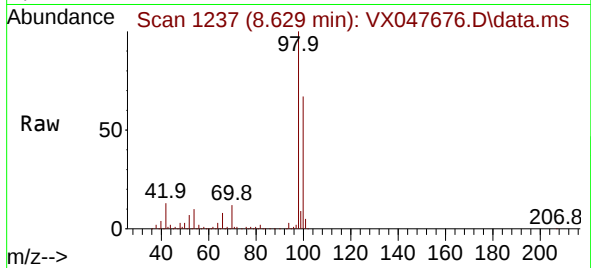




#51
4-Methyl-2-Pentanone
Concen: 0.509 ug/l
RT: 8.629 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

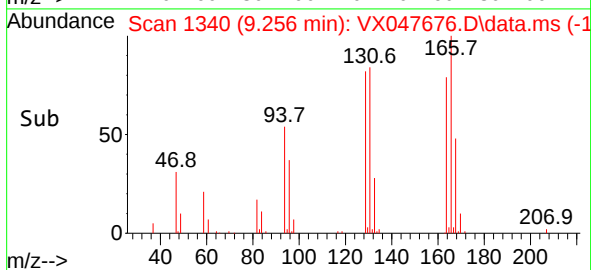
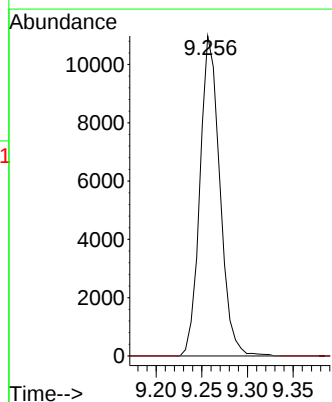
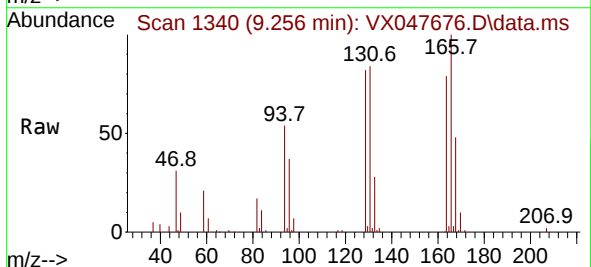
Instrument :
MSVOA_X
ClientSampleId :

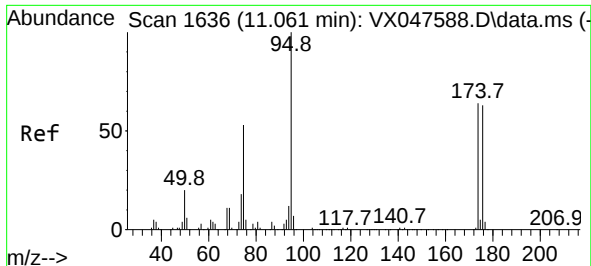
Tgt Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
58 199.5 30.3 45.5#



#60
Dibromochloromethane
Concen: 6.069 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Tgt Ion: 129 Resp: 16678
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

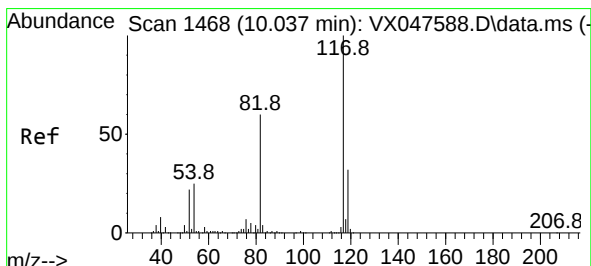
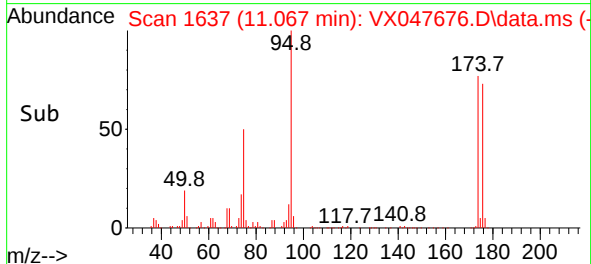
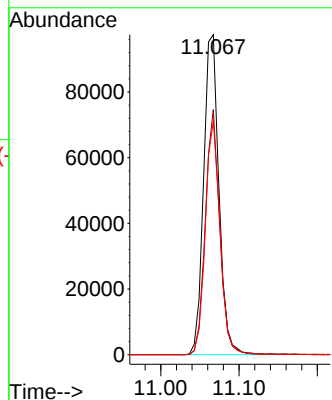
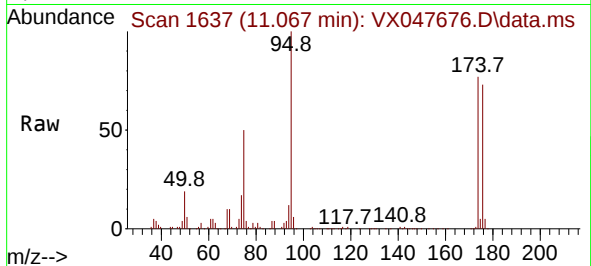




#62
4-Bromofluorobenzene
Concen: 44.627 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

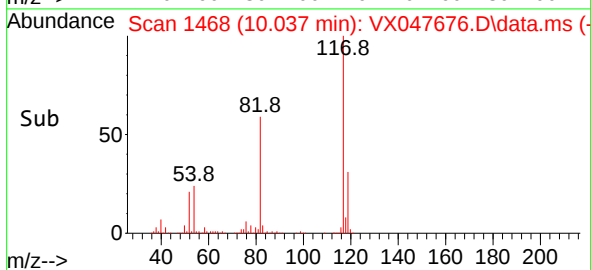
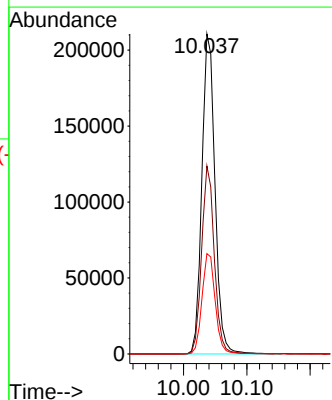
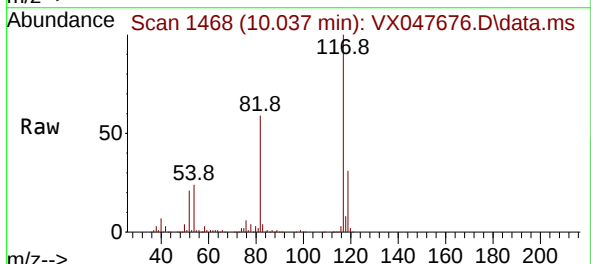
Instrument :
MSVOA_X
ClientSampleId :

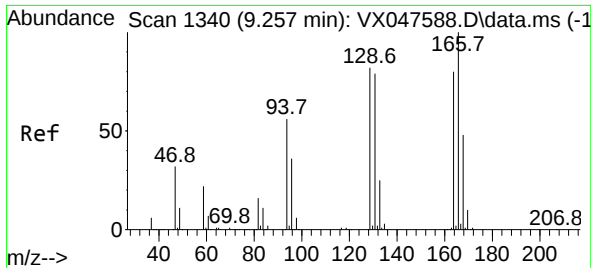
Tgt Ion: 95 Resp: 132562
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 70.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

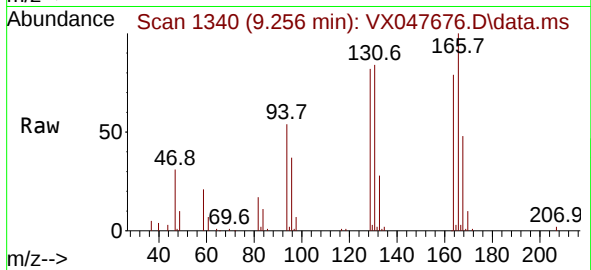
Tgt Ion: 117 Resp: 303934
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.6
119 31.4 25.2 37.8



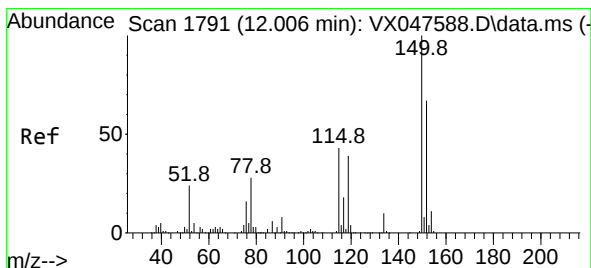
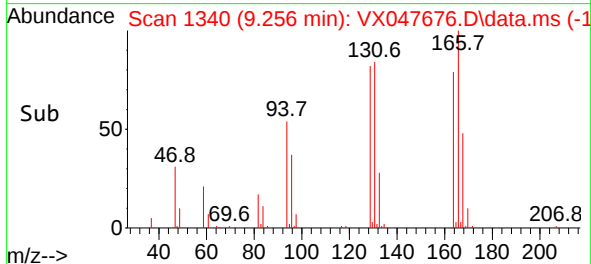
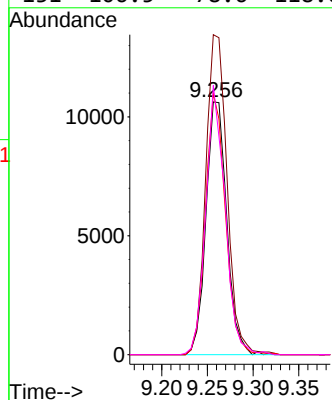


#64
Tetrachloroethene
Concen: 8.457 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :

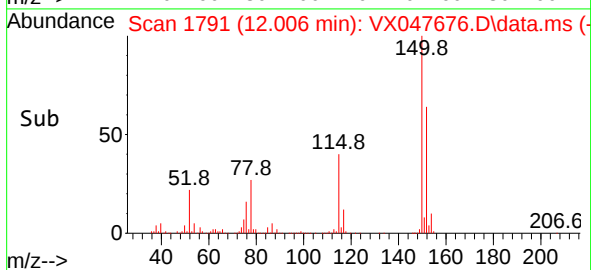
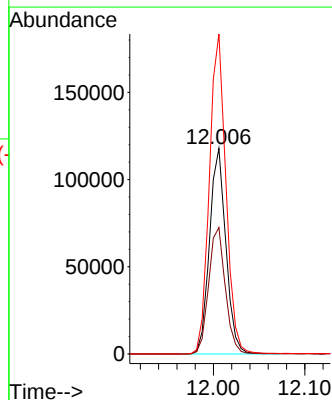
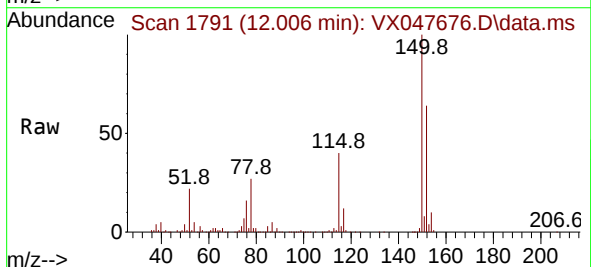


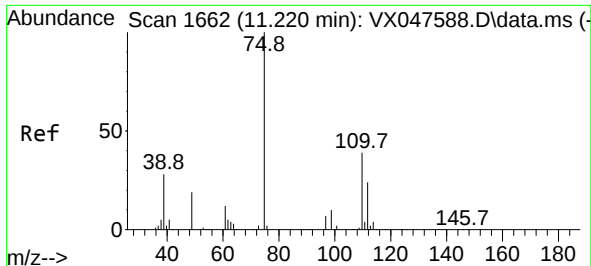
Tgt Ion:164 Resp: 16757
Ion Ratio Lower Upper
164 100
166 126.6 100.2 150.2
129 103.3 81.8 122.6
131 106.5 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Tgt Ion:152 Resp: 146768
Ion Ratio Lower Upper
152 100
115 62.6 44.9 134.5
150 157.0 0.0 352.0

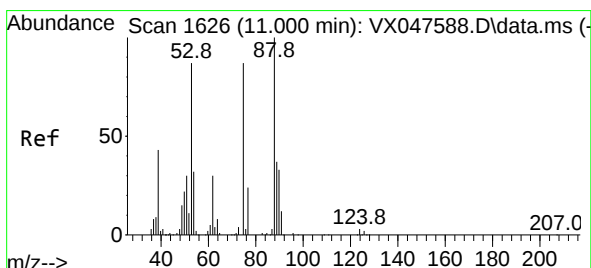
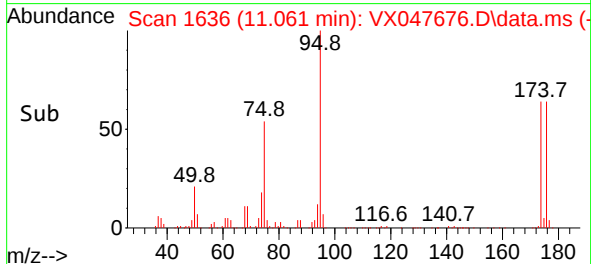
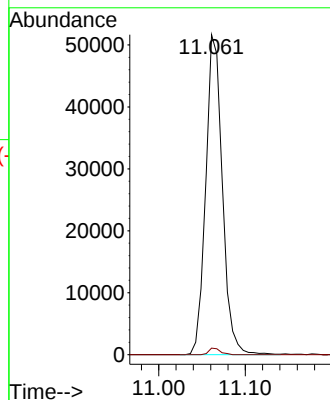
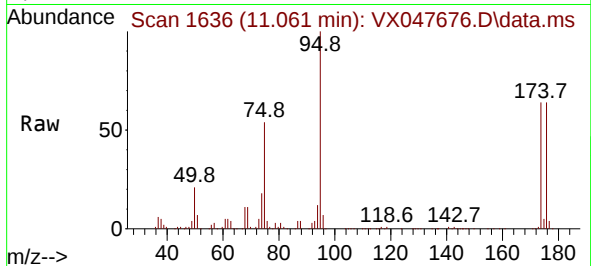




#76
1,2,3-Trichloropropane
Concen: 23.200 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 68940
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.162 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047676.D
Acq: 19 Sep 2025 15:15

Tgt Ion: 75 Resp: 68940
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

