

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047685.D
 Acq On : 19 Sep 2025 18:22
 Operator : JC/MD
 Sample : Q3097-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

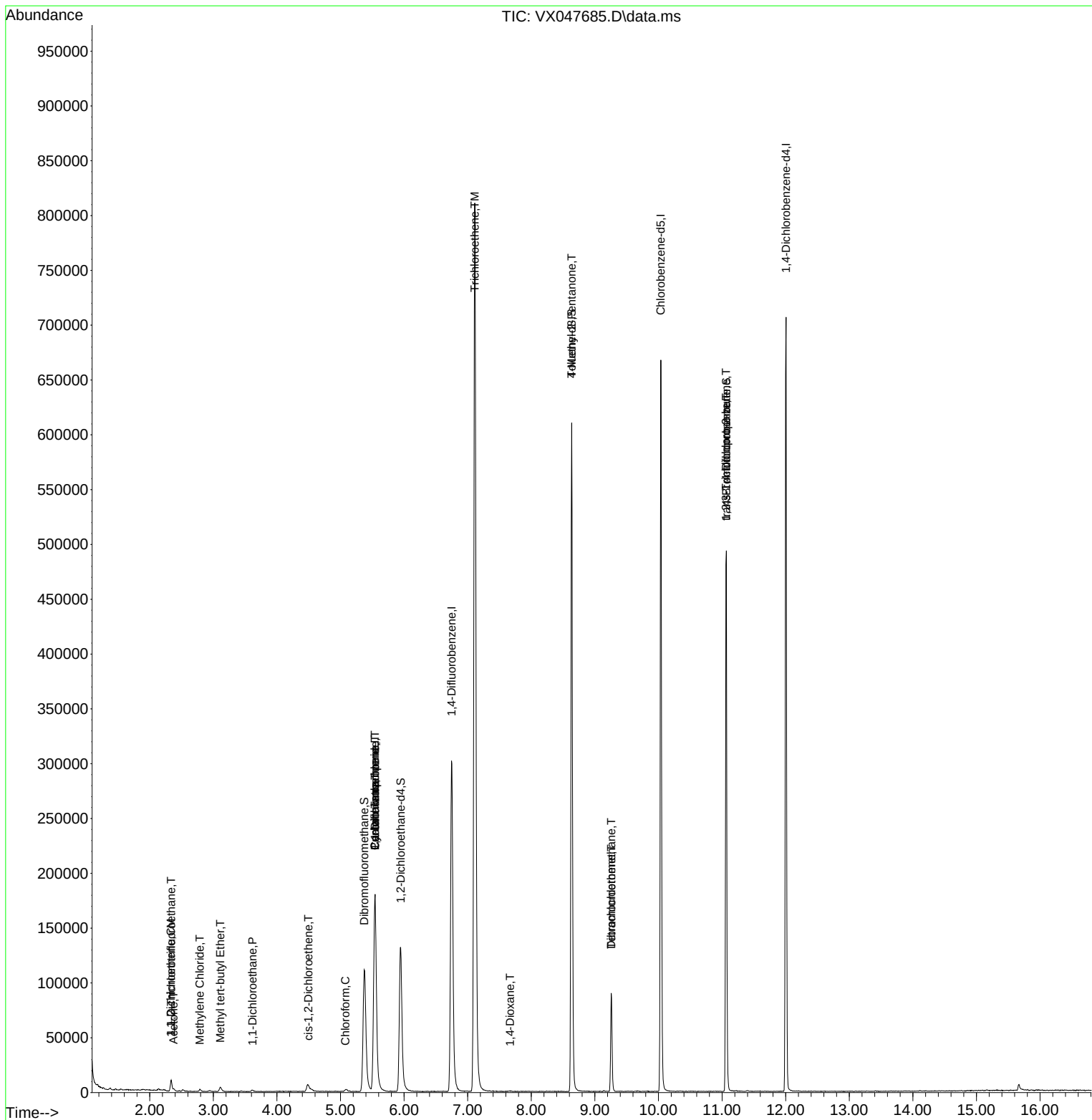
Instrument :
 MSVOA_X
 ClientSampleId :

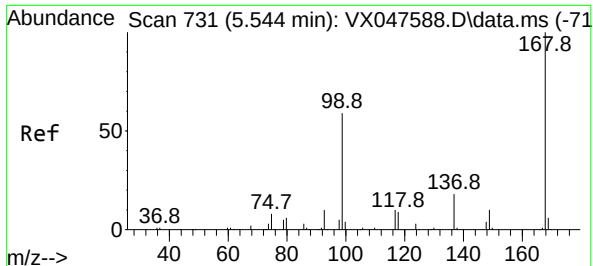
Quant Time: Sep 20 00:37:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	181407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	335366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	144009	49.873	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.740%
35) Dibromofluoromethane	5.373	113	110247	49.017	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.040%
50) Toluene-d8	8.634	98	372718	47.892	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.780%
62) 4-Bromofluorobenzene	11.067	95	144318	48.862	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.720%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	3451	1.645	ug/l	92
12) 1,1-Dichloroethene	2.331	96	1183	0.549	ug/l	94
16) Acetone	2.373	43	1630	1.298	ug/l	89
19) Methyl tert-butyl Ether	3.111	73	4591	0.584	ug/l	95
20) Methylene Chloride	2.788	84	861	0.324	ug/l #	88
24) 1,1-Dichloroethane	3.617	63	1794	0.392	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	4109	1.446	ug/l	97
30) Chloroform	5.074	83	1237	0.267	ug/l	96
31) Cyclohexane	5.544	56	4068	1.066	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	15198	4.624	ug/l #	51
38) Carbon Tetrachloride	5.544	117	19220	5.382	ug/l #	17
44) Trichloroethene	7.110	130	337410	139.813	ug/l	99
49) 1,4-Dioxane	7.665	88	436	15.007	ug/l #	45
51) 4-Methyl-2-Pentanone	8.634	43	1788	0.559	ug/l #	1
60) Dibromochloromethane	9.256	129	17509	6.408	ug/l #	11
64) Tetrachloroethene	9.256	164	17507	8.982	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	74014	24.922	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	74014	63.555	ug/l #	8

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

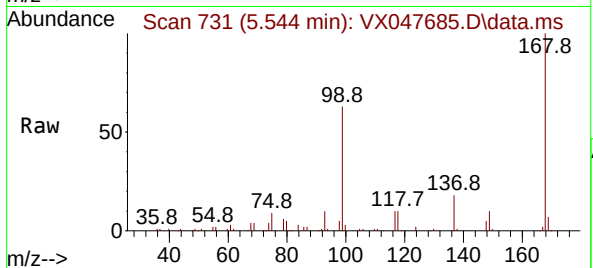
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



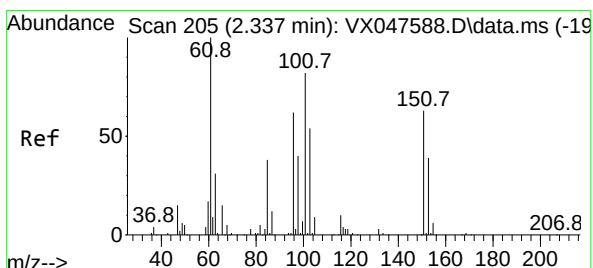
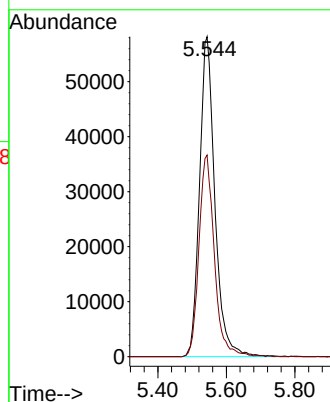
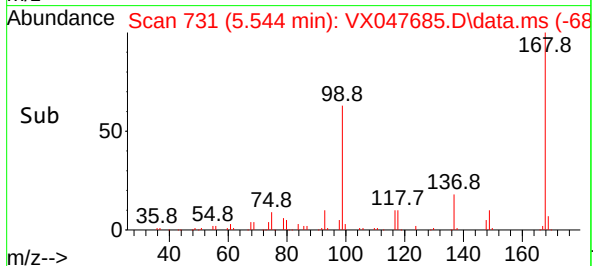


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :

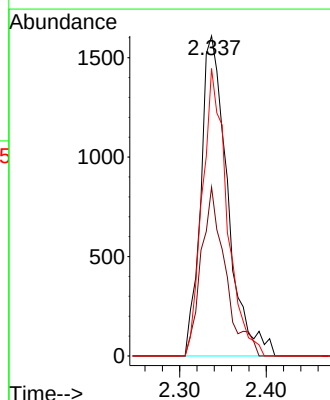
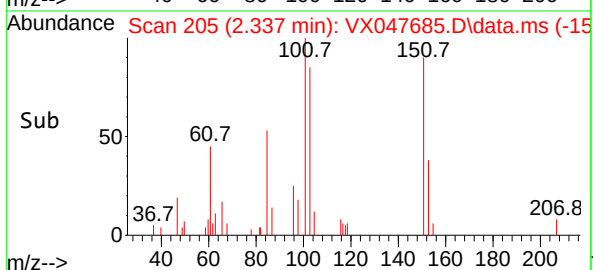
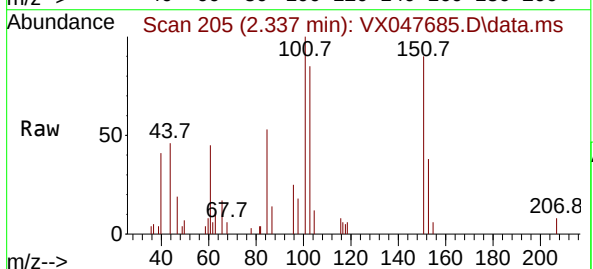


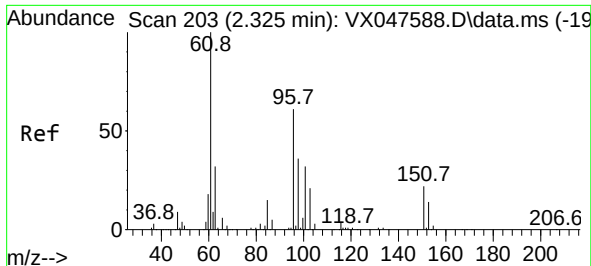
Tgt Ion:168 Resp: 181407
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.645 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

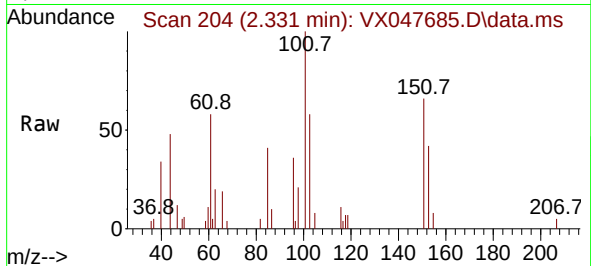
Tgt Ion:101 Resp: 3451
Ion Ratio Lower Upper
101 100
85 47.7 35.5 53.3
151 82.8 59.4 89.0



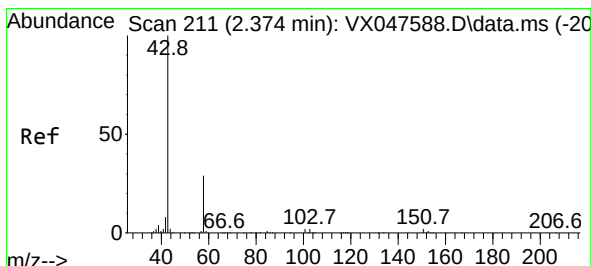
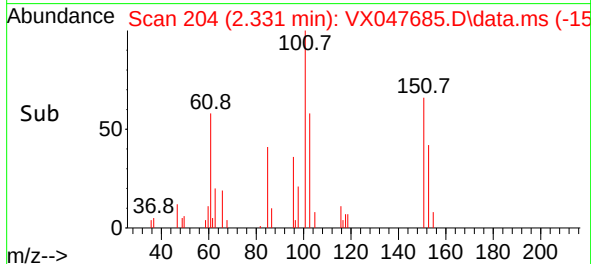
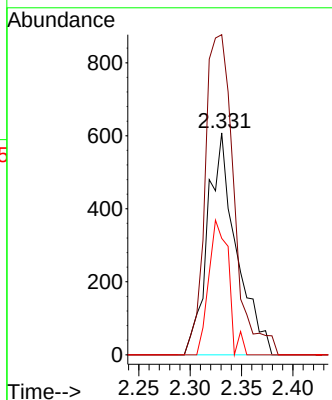


#12
1,1-Dichloroethene
Concen: 0.549 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :

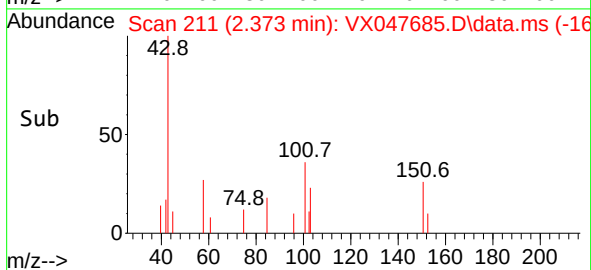
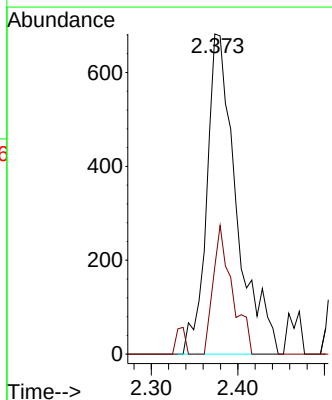
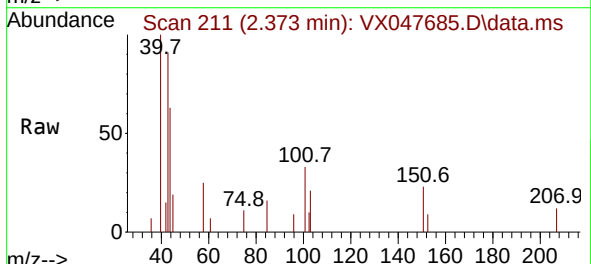


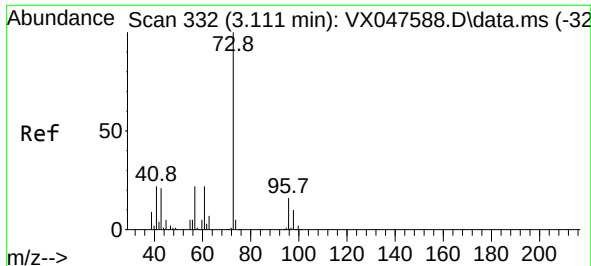
Tgt Ion: 96 Resp: 1183
Ion Ratio Lower Upper
96 100
61 157.6 131.0 196.6
98 52.5 47.7 71.5



#16
Acetone
Concen: 1.298 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
58 35.0 23.4 35.0

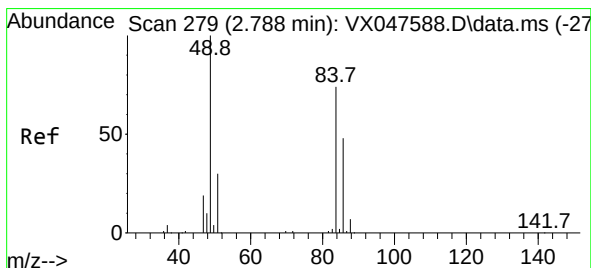
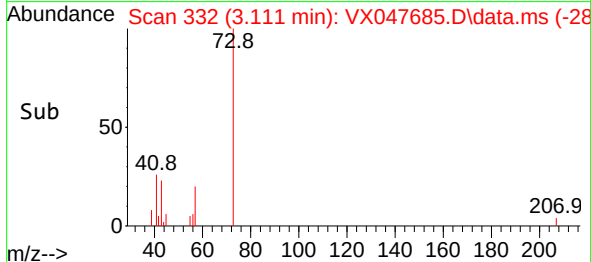
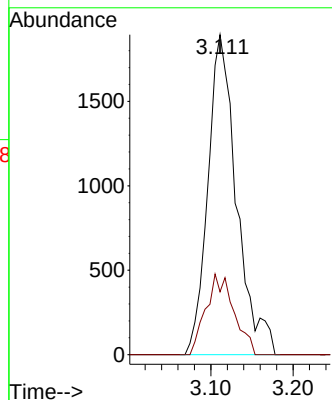
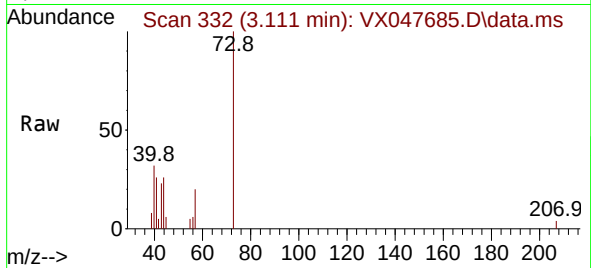




#19
Methyl tert-butyl Ether
Concen: 0.584 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

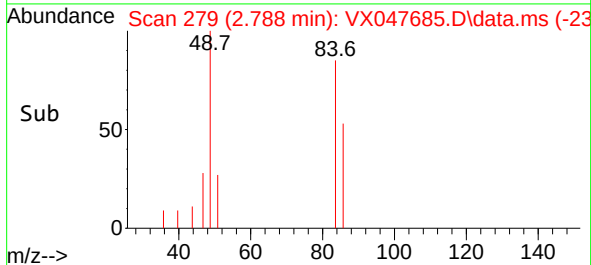
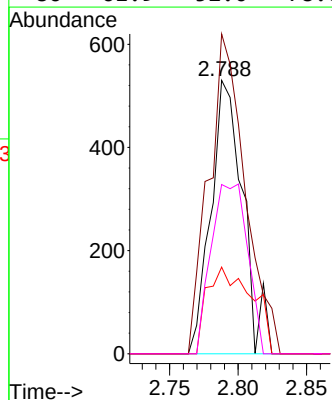
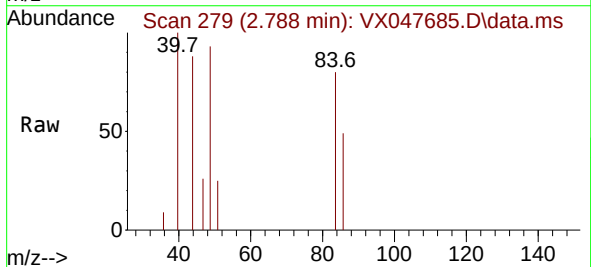
Instrument :
MSVOA_X
ClientSampleId :

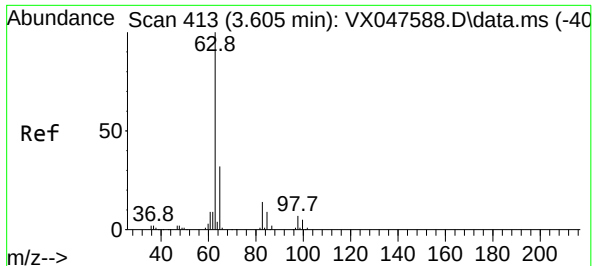
Tgt Ion: 73 Resp: 4591
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.2



#20
Methylene Chloride
Concen: 0.324 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

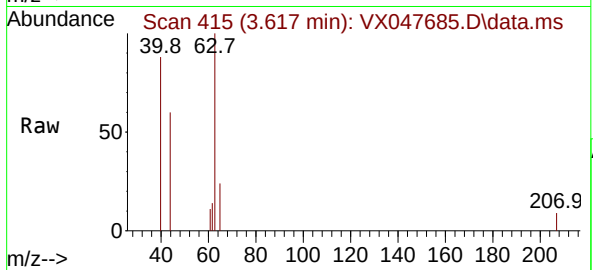
Tgt Ion: 84 Resp: 861
Ion Ratio Lower Upper
84 100
49 117.0 108.6 162.8
51 31.7 32.6 48.8#
86 61.9 52.0 78.0



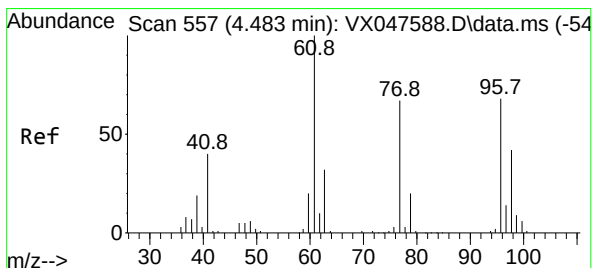
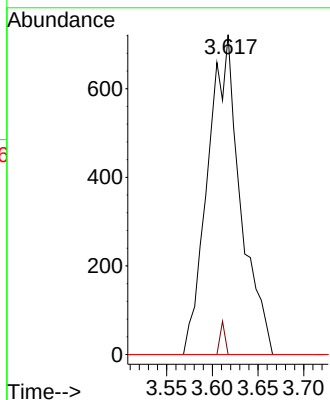
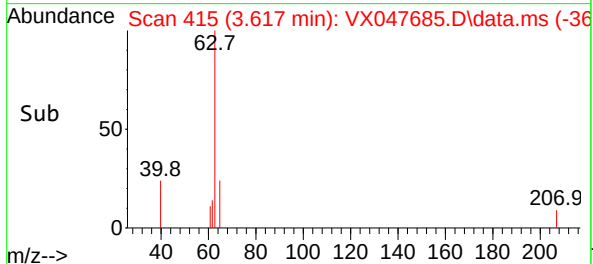


#24
1,1-Dichloroethane
Concen: 0.392 ug/l
RT: 3.617 min Scan# 413
Delta R.T. 0.012 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :

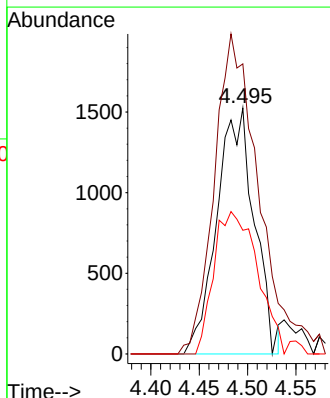
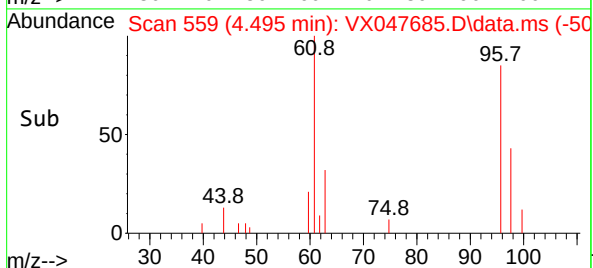
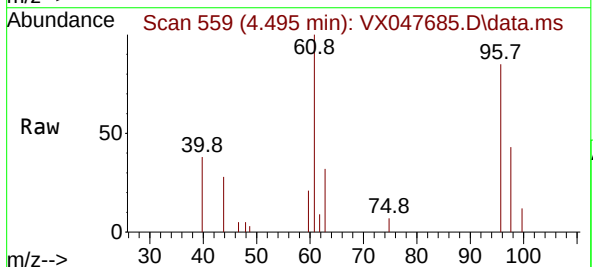


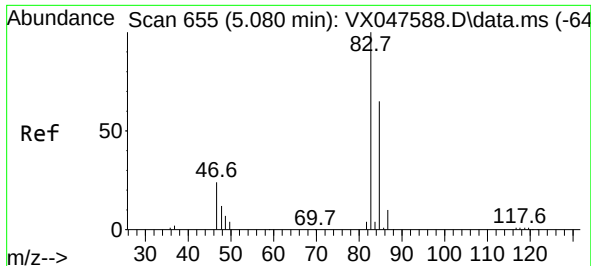
Tgt Ion: 63 Resp: 1794
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 1.446 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Tgt Ion: 96 Resp: 4109
Ion Ratio Lower Upper
96 100
61 155.0 0.0 303.2
98 67.4 0.0 127.8





#30

Chloroform

Concen: 0.267 ug/l

RT: 5.074 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX047685.D

Acq: 19 Sep 2025 18:22

Instrument :

MSVOA_X

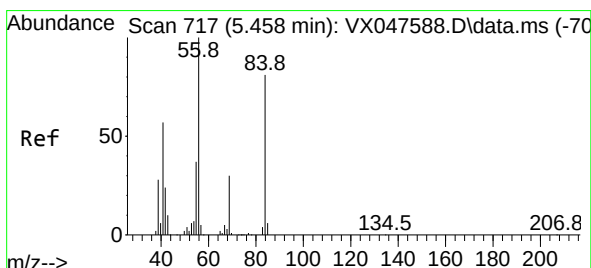
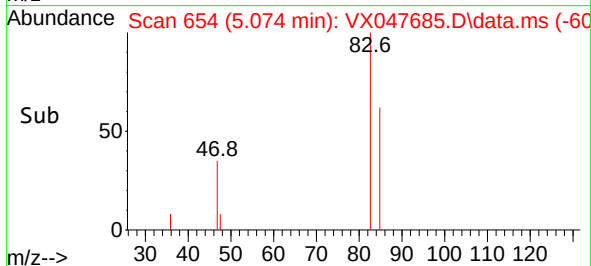
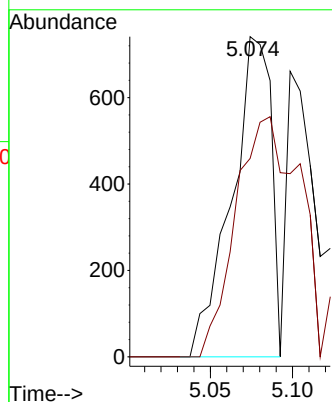
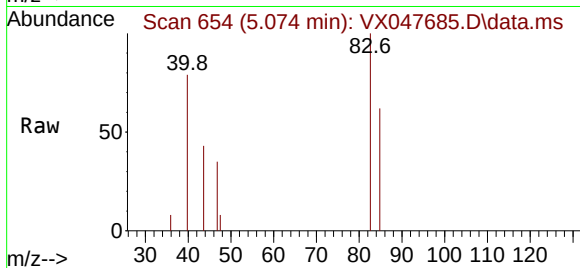
ClientSampleId :

Tgt Ion: 83 Resp: 1237

Ion Ratio Lower Upper

83 100

85 61.9 51.8 77.6



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX047685.D

Acq: 19 Sep 2025 18:22

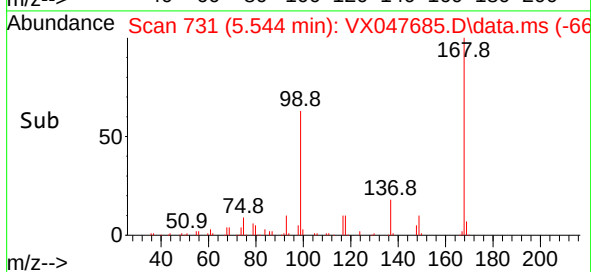
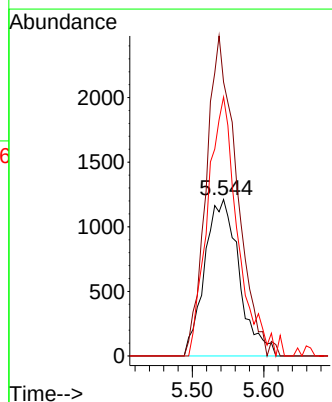
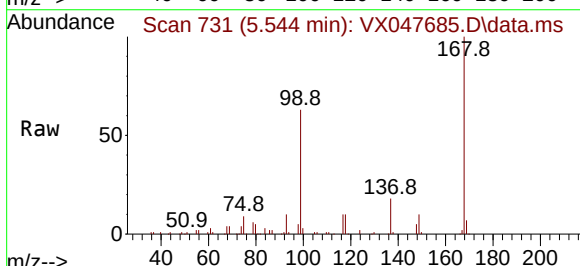
Tgt Ion: 56 Resp: 4068

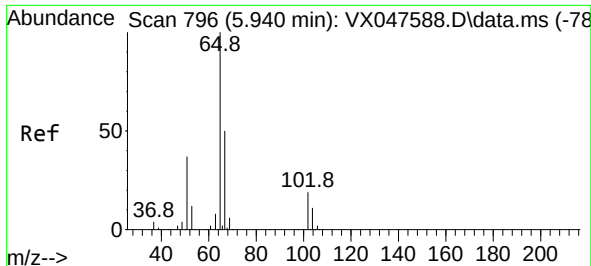
Ion Ratio Lower Upper

56 100

69 175.0 23.8 35.8#

84 165.3 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 49.873 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047685.D

Acq: 19 Sep 2025 18:22

Instrument :

MSVOA_X

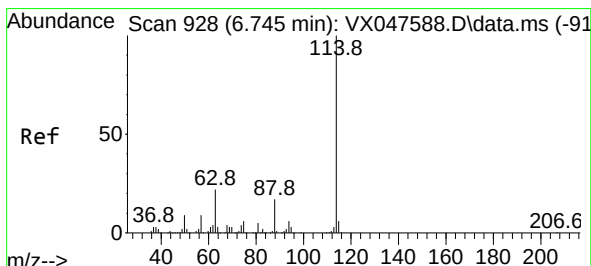
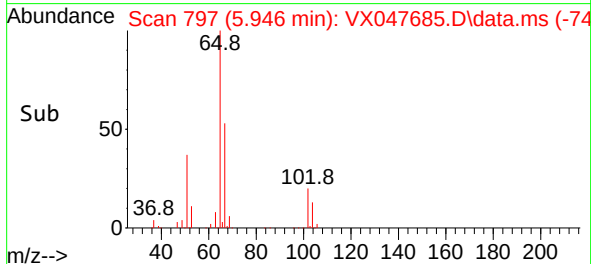
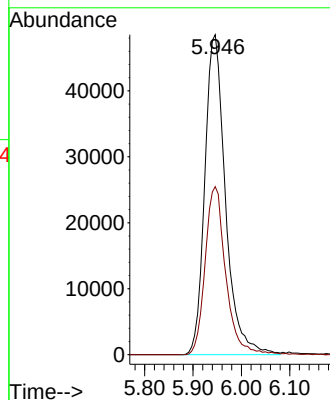
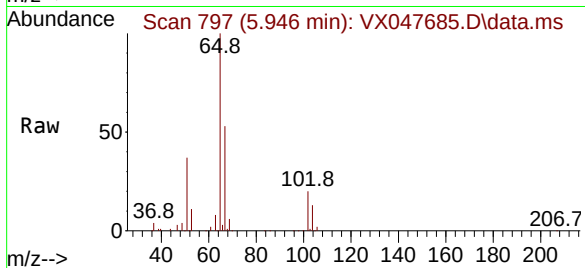
ClientSampleId :

Tgt Ion: 65 Resp: 144009

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047685.D

Acq: 19 Sep 2025 18:22

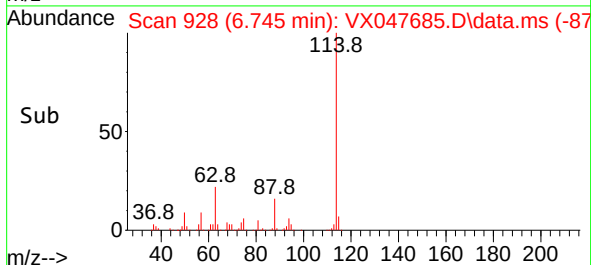
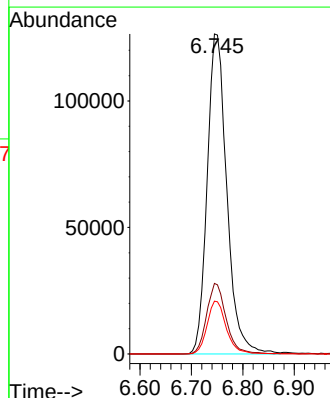
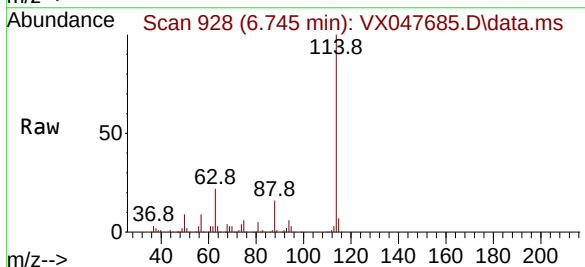
Tgt Ion: 114 Resp: 335366

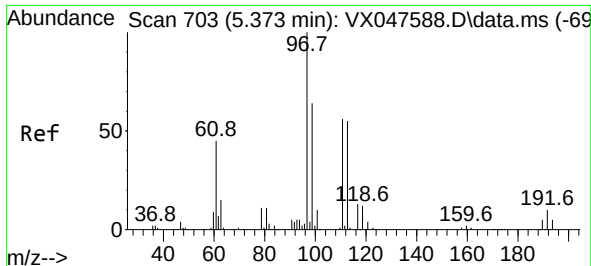
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

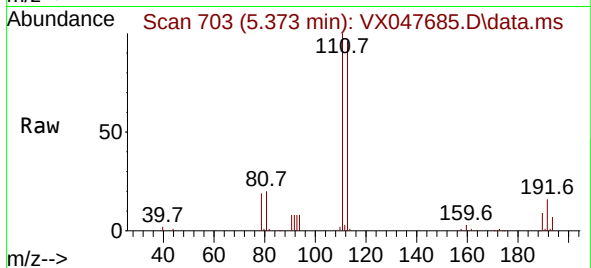
88 16.5 0.0 34.2



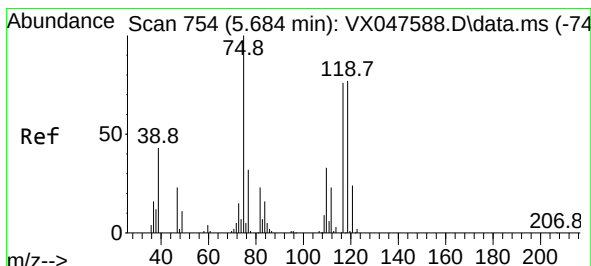
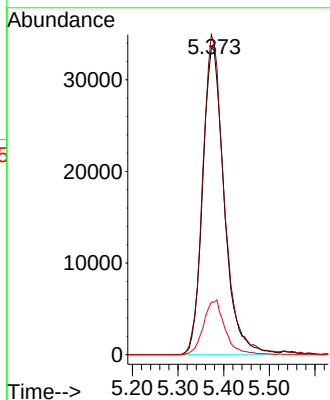
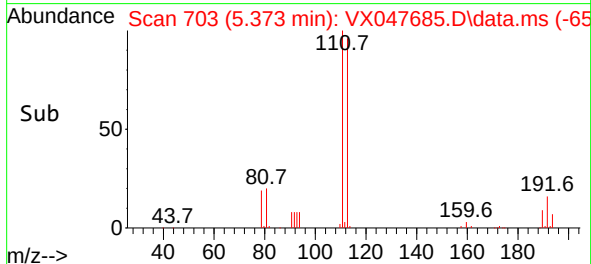


#35
Dibromofluoromethane
Concen: 49.017 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

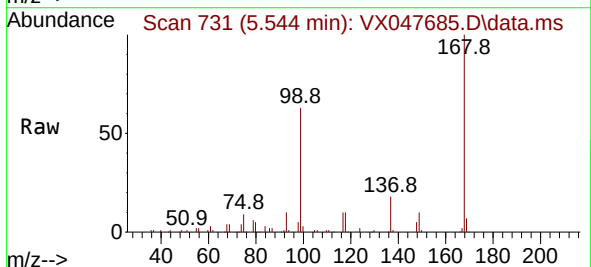
Instrument :
MSVOA_X
ClientSampleId :



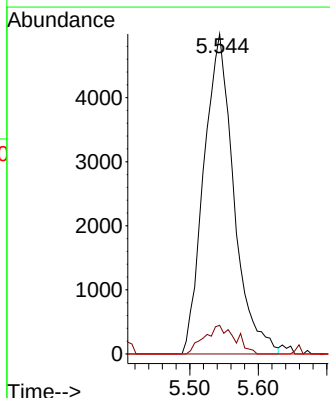
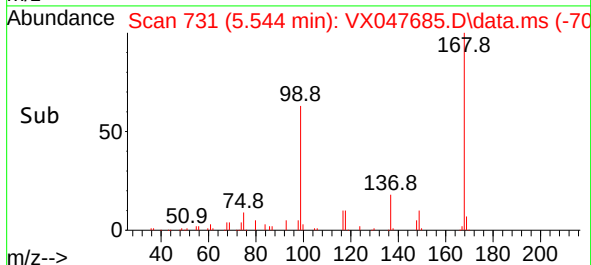
Tgt Ion:113 Resp: 110247
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 17.7 14.2 21.4

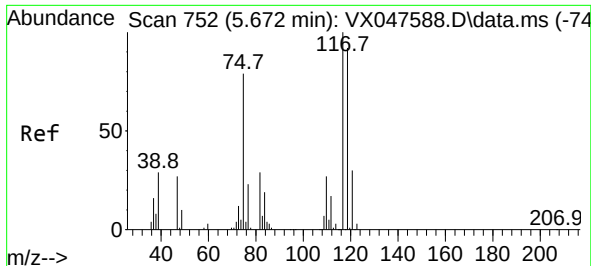


#36
1,1-Dichloropropene
Concen: 4.624 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22



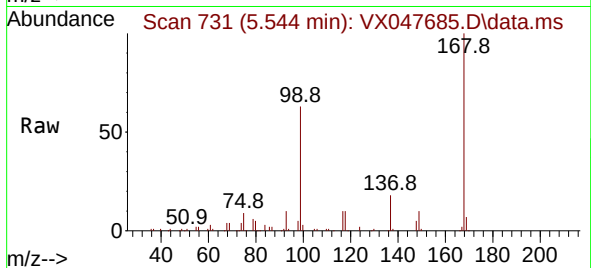
Tgt Ion: 75 Resp: 15198
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 24.3 36.5#



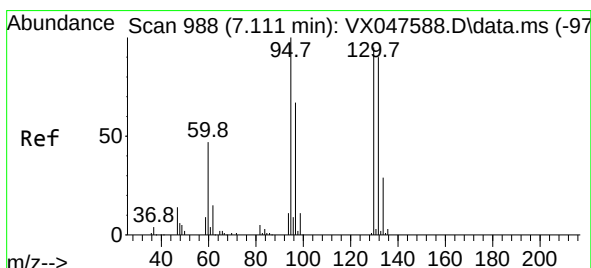
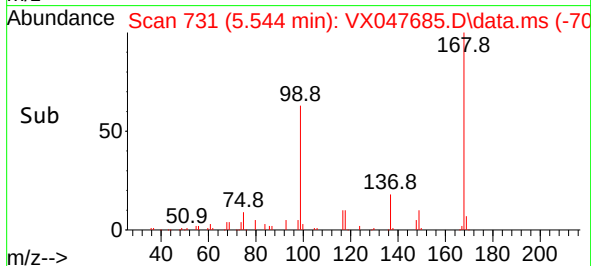
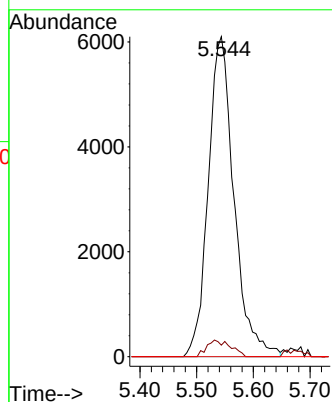


#38
Carbon Tetrachloride
Concen: 5.382 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :

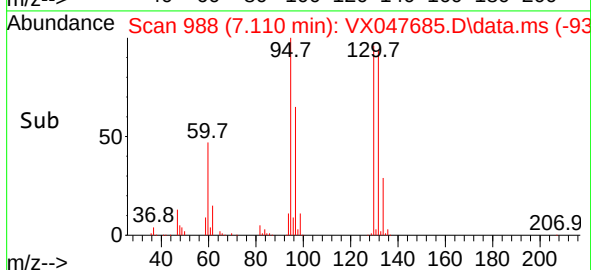
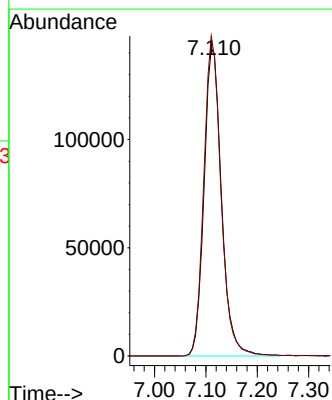
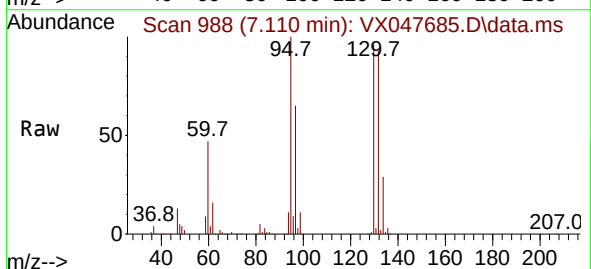


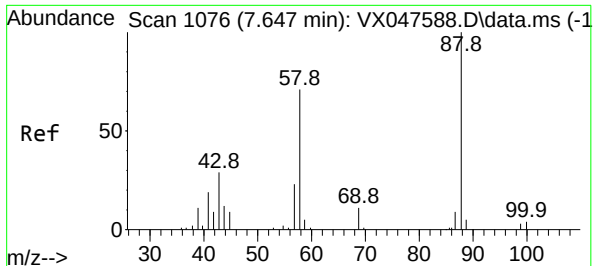
Tgt Ion:117 Resp: 19220
Ion Ratio Lower Upper
117 100
119 3.6 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 139.813 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Tgt Ion:130 Resp: 337410
Ion Ratio Lower Upper
130 100
95 104.1 0.0 210.8





#49

1,4-Dioxane

Concen: 15.007 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VX047685.D

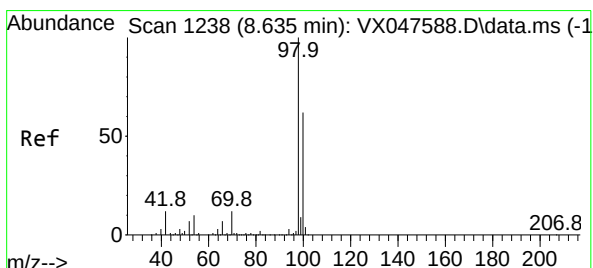
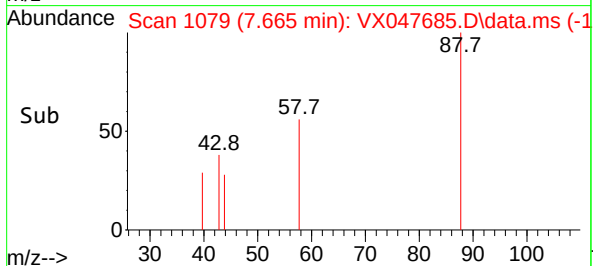
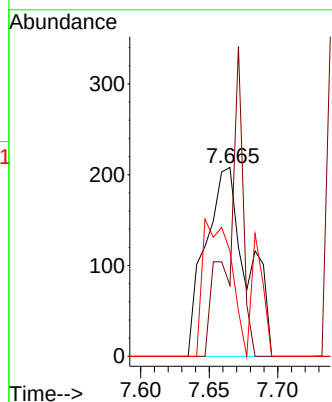
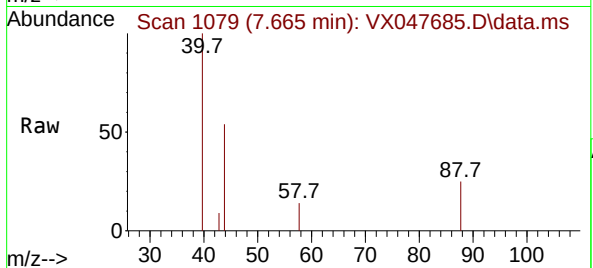
Acq: 19 Sep 2025 18:22

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	436
Ion	Ratio	Lower	Upper
88	100		
43	57.3	30.2	45.2#
58	17.9	59.5	89.3#



#50

Toluene-d8

Concen: 47.892 ug/l

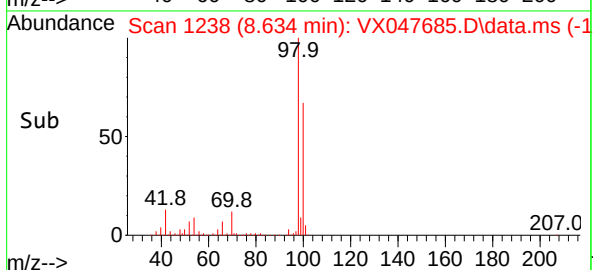
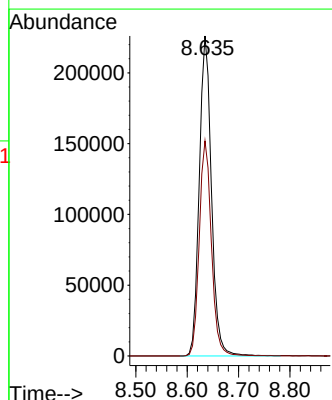
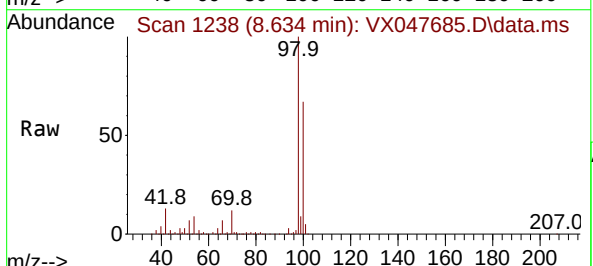
RT: 8.634 min Scan# 1238

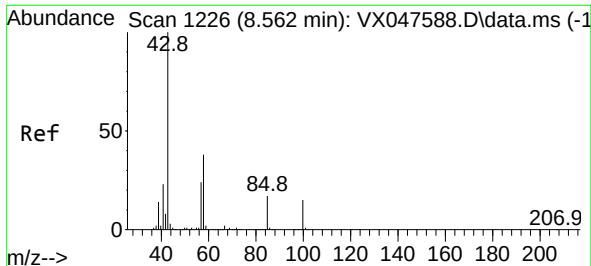
Delta R.T. -0.000 min

Lab File: VX047685.D

Acq: 19 Sep 2025 18:22

Tgt Ion:	98	Resp:	372718
Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

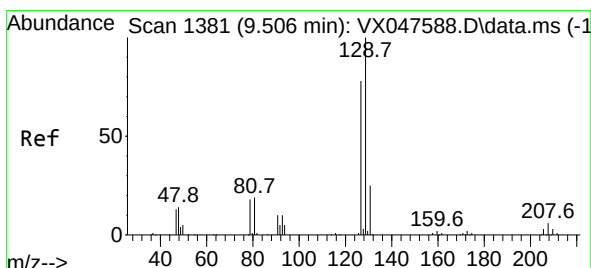
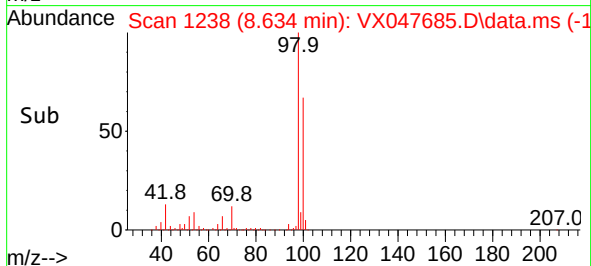
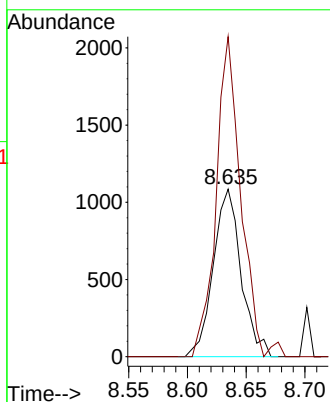
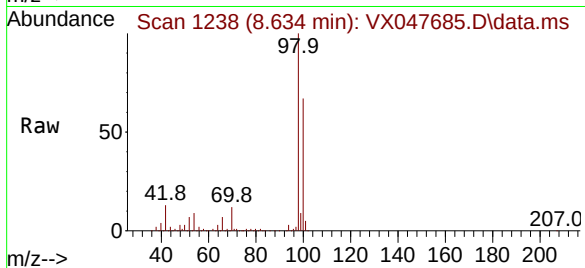




#51
4-Methyl-2-Pentanone
Concen: 0.559 ug/l
RT: 8.634 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

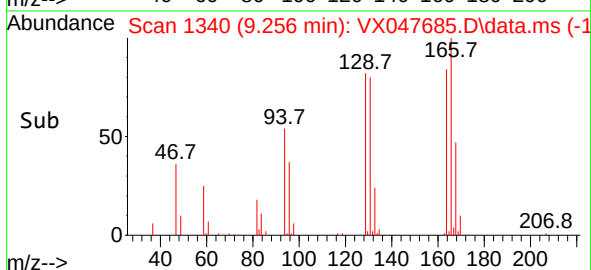
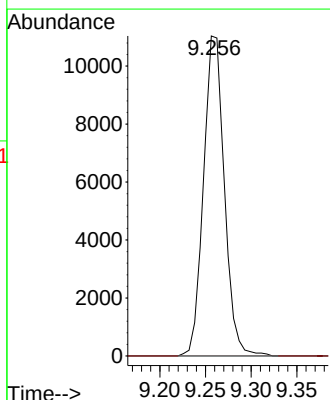
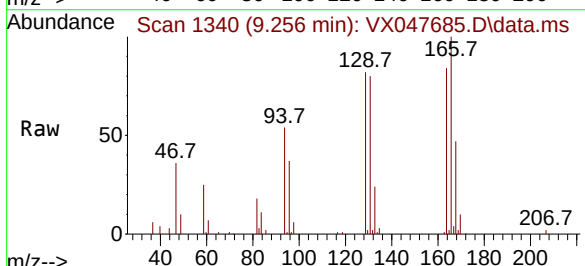
Instrument :
MSVOA_X
ClientSampleId :

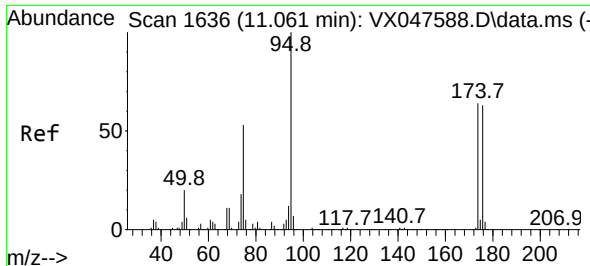
Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
58 168.2 30.3 45.5#



#60
Dibromochloromethane
Concen: 6.408 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Tgt Ion: 129 Resp: 17509
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

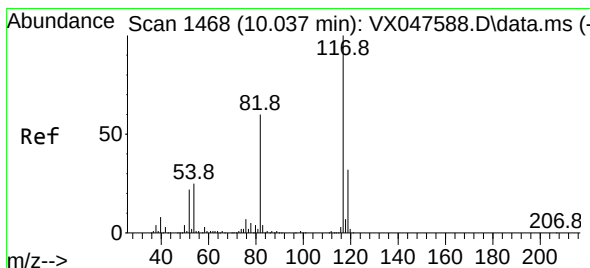
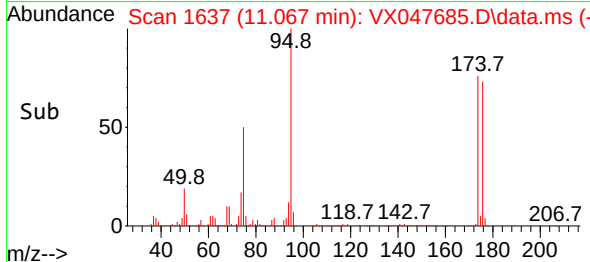
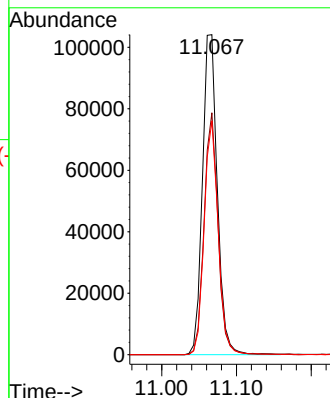
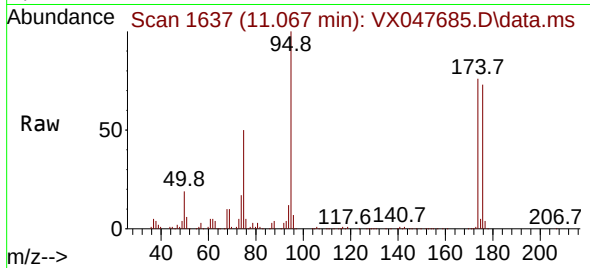




#62
4-Bromofluorobenzene
Concen: 48.862 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

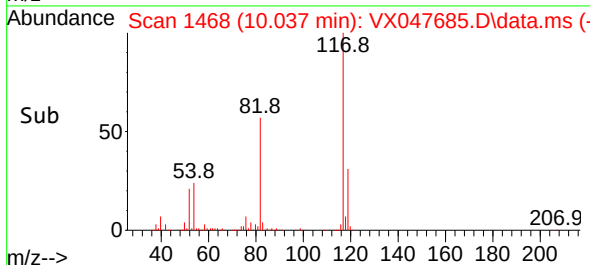
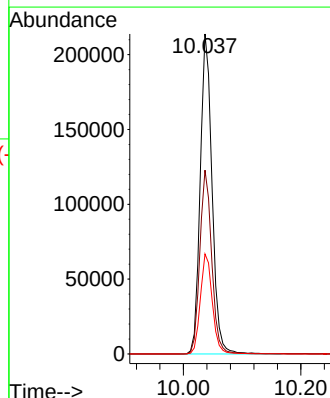
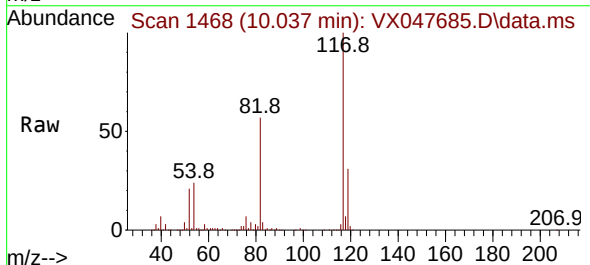
Instrument :
MSVOA_X
ClientSampleId :

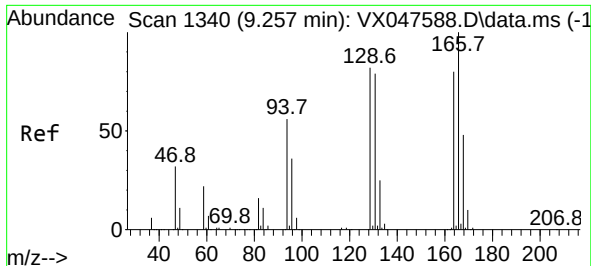
Tgt Ion: 95 Resp: 144318
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.6
176 68.9 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

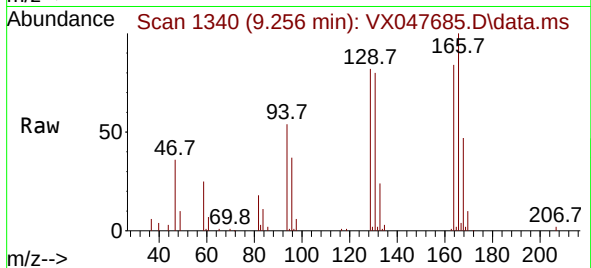
Tgt Ion: 117 Resp: 298999
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.6
119 31.3 25.2 37.8



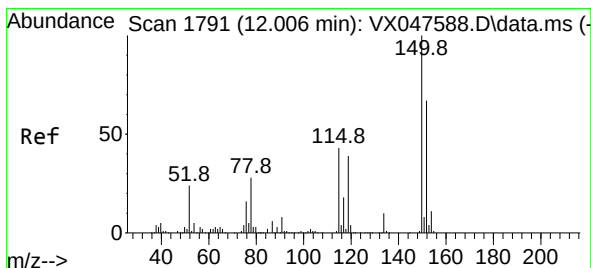
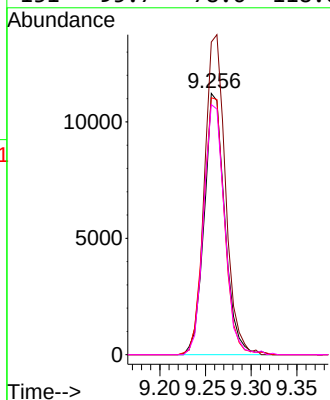
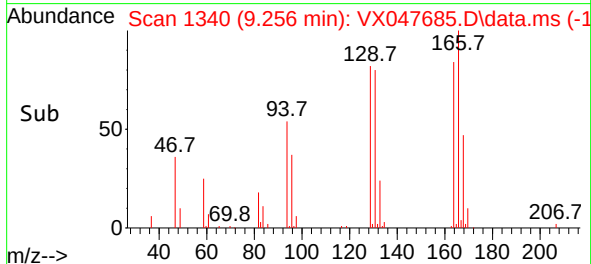


#64
Tetrachloroethene
Concen: 8.982 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

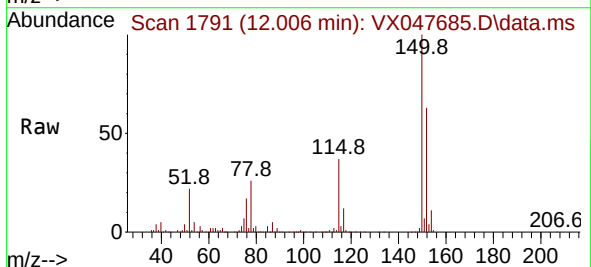
Instrument :
MSVOA_X
ClientSampleId :



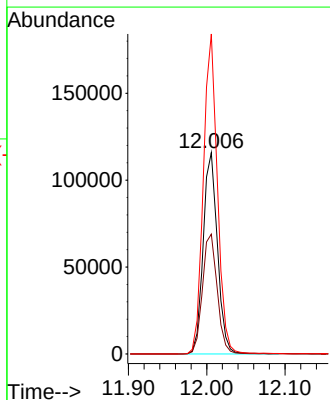
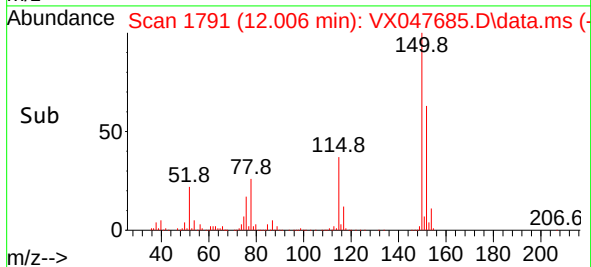
Tgt Ion:164 Resp: 17507
Ion Ratio Lower Upper
164 100
166 119.7 100.2 150.2
129 98.3 81.8 122.6
131 95.7 78.6 118.0

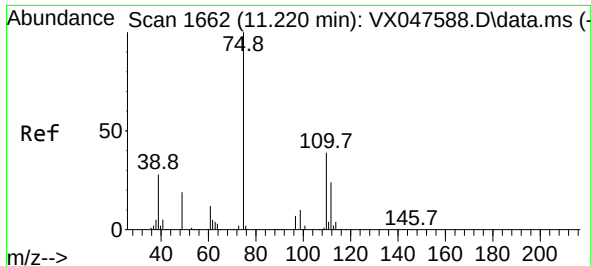


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22



Tgt Ion:152 Resp: 146680
Ion Ratio Lower Upper
152 100
115 61.5 44.9 134.5
150 156.2 0.0 352.0

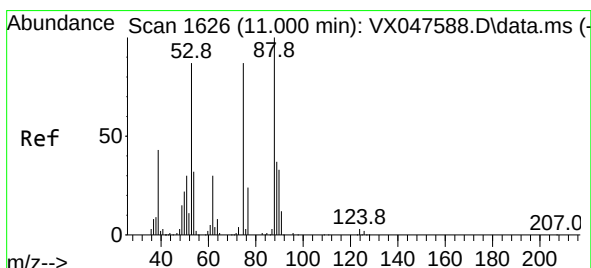
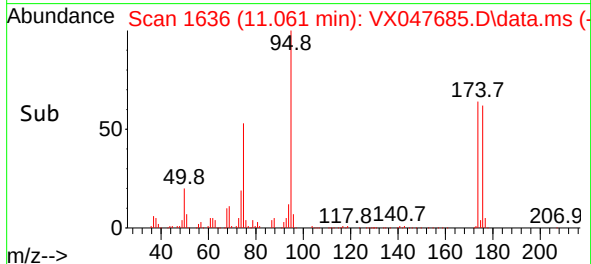
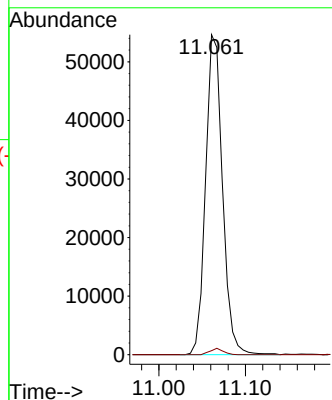
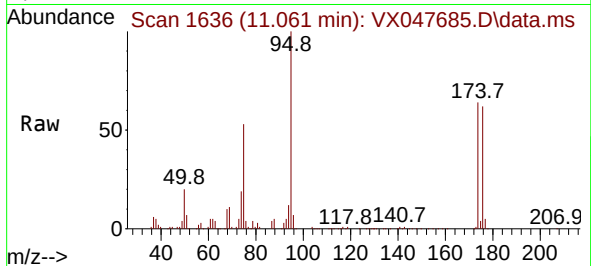




#76
1,2,3-Trichloropropane
Concen: 24.922 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 74014
Ion Ratio Lower Upper
75 100
77 1.5 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.555 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Tgt Ion: 75 Resp: 74014
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

