

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 :
 DUP05-20250911

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)

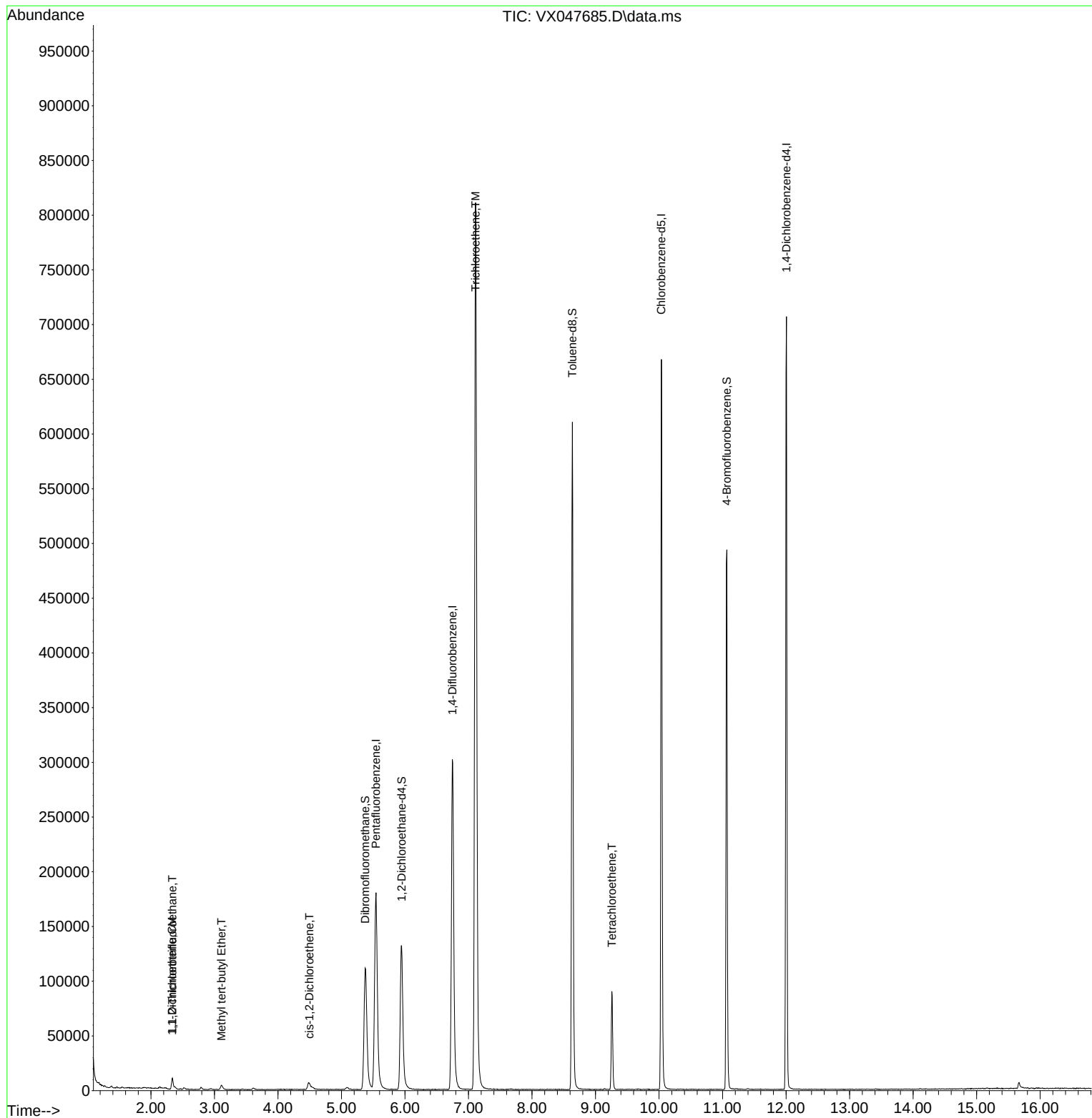
Internal Standards						
1) Pentafluorobenzene	5.544	168	181407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	335366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
19) Methyl tert-butyl Ether	3.111	73	4591	0.584	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	4109	1.446	ug/l	97
44) Trichloroethene	7.110	130	337410	139.813	ug/l	99
64) Tetrachloroethene	9.256	164	17507	8.982	ug/l	96

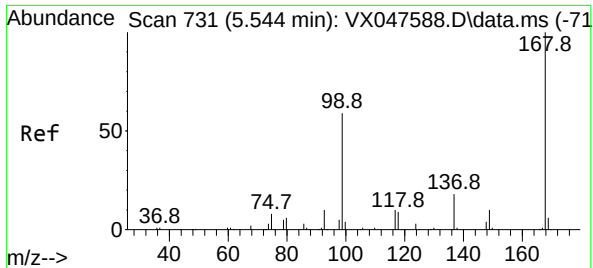
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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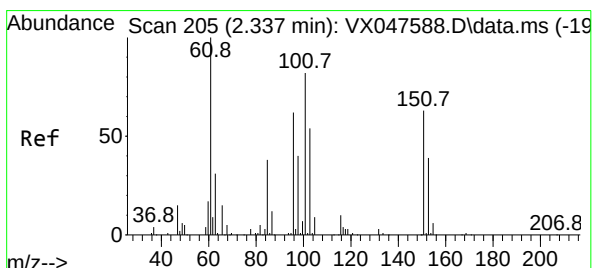
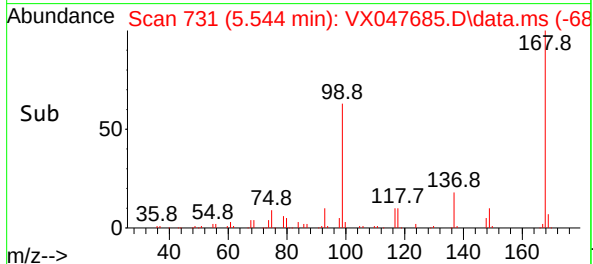
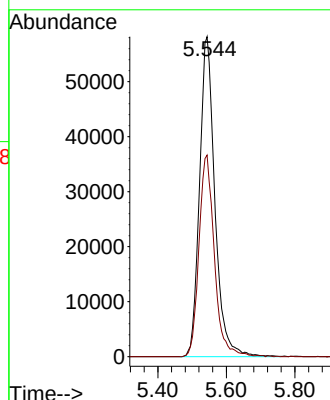
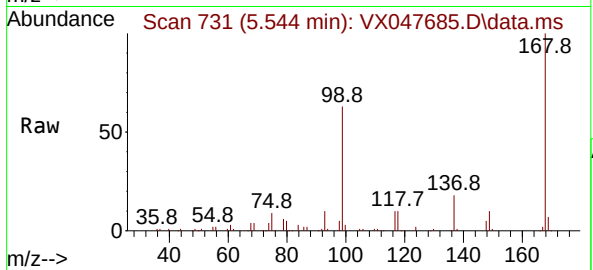




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

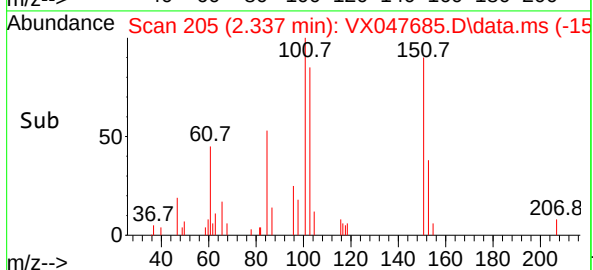
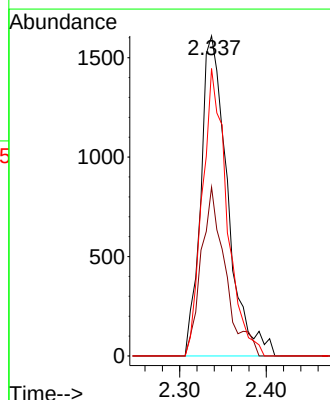
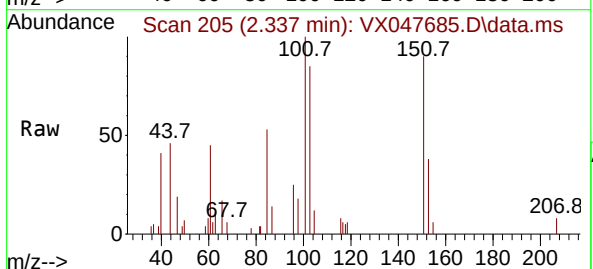
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250911

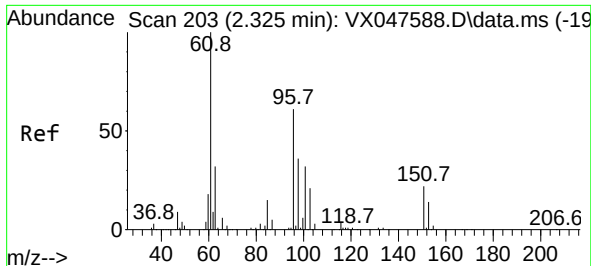
Tgt Ion:168 Resp: 181407
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#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

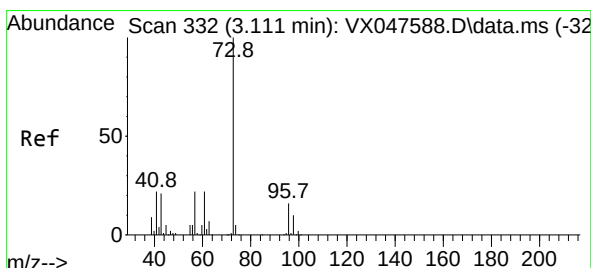
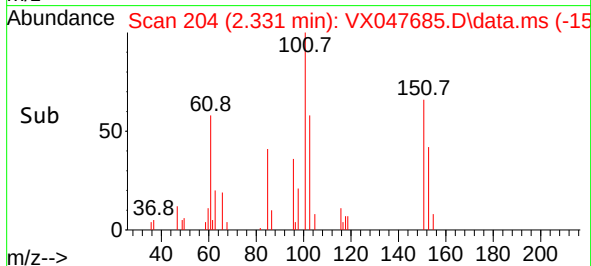
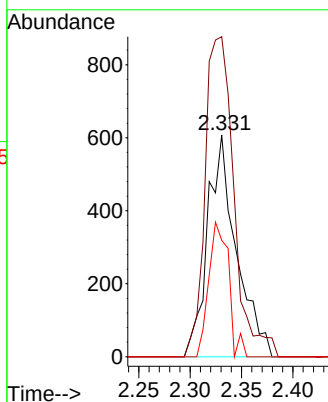
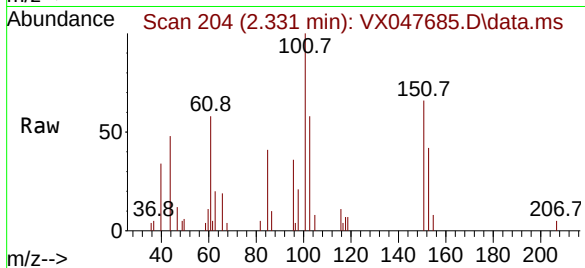




#12
1,1-Dichloroethene
Concen: 0.549 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

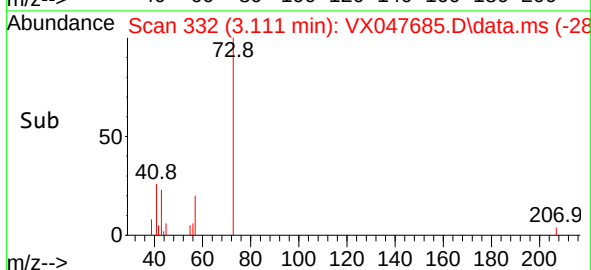
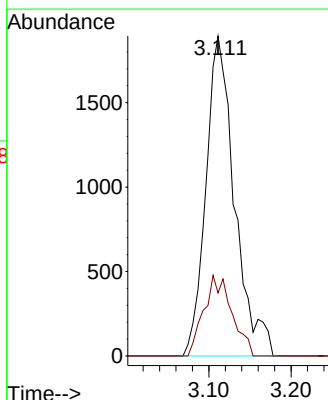
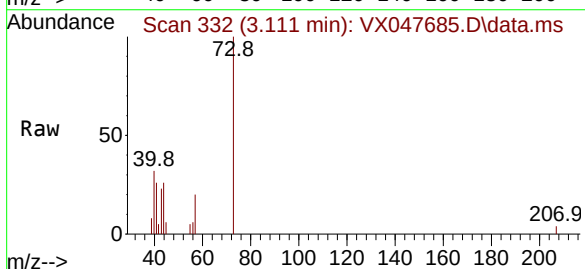
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250911

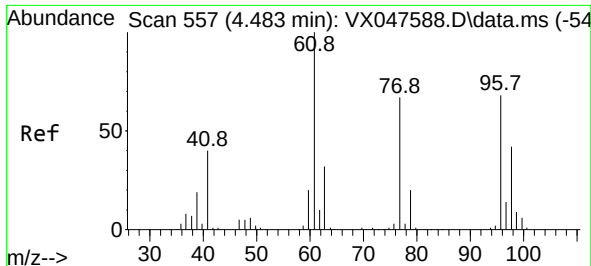
Tgt Ion: 96 Resp: 1183
Ion Ratio Lower Upper
96 100
61 157.6 131.0 196.6
98 52.5 47.7 71.5



#19
Methyl tert-butyl Ether
Concen: 0.584 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

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

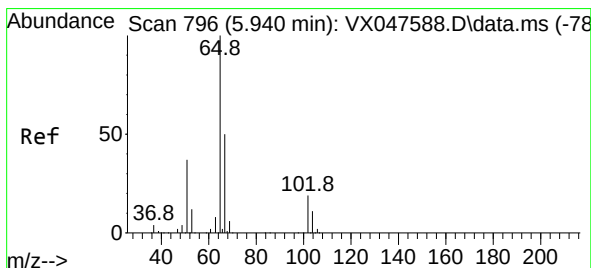
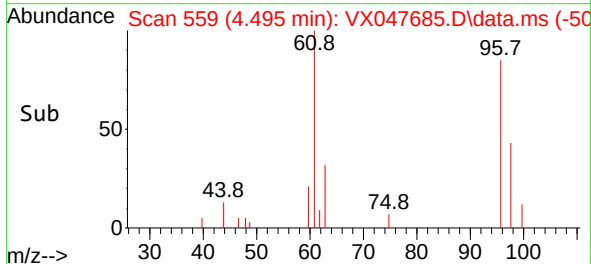
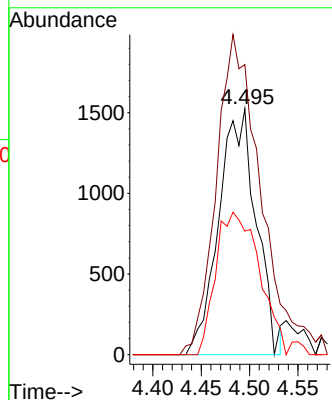
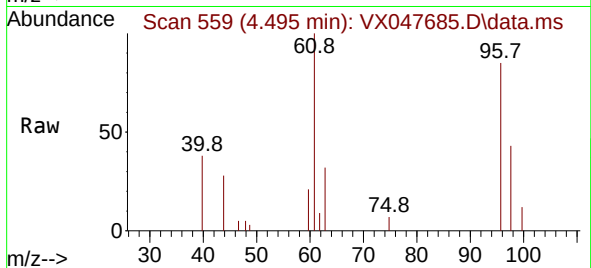




#27
 cis-1,2-Dichloroethene
 Concen: 1.446 ug/l
 RT: 4.495 min Scan# 511
 Delta R.T. 0.012 min
 Lab File: VX047685.D
 Acq: 19 Sep 2025 18:22

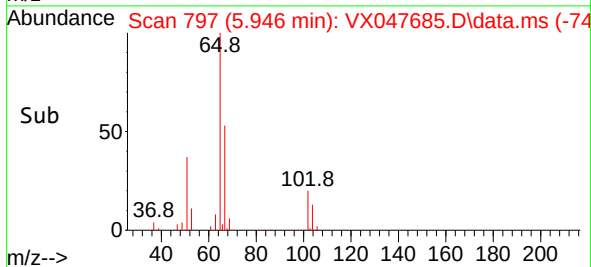
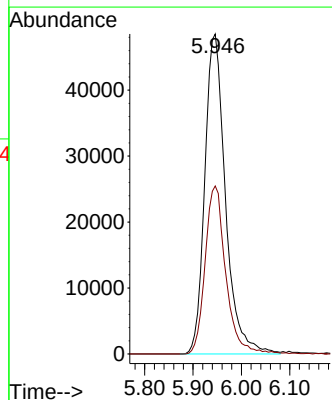
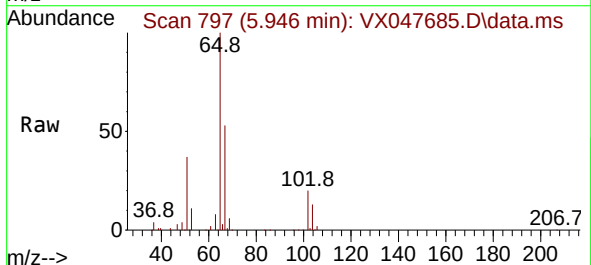
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20250911

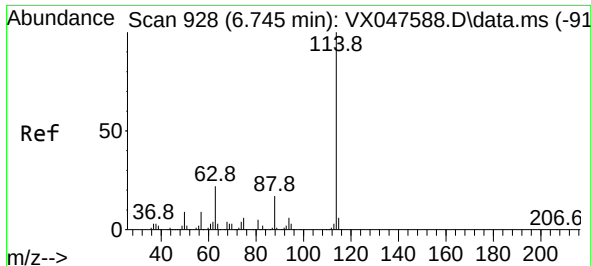
Tgt Ion: 96 Resp: 4109
 Ion Ratio Lower Upper
 96 100
 61 155.0 0.0 303.2
 98 67.4 0.0 127.8



#33
 1,2-Dichloroethane-d4
 Concen: 49.873 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX047685.D
 Acq: 19 Sep 2025 18:22

Tgt Ion: 65 Resp: 144009
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.0

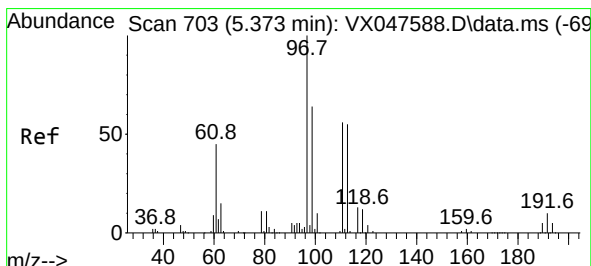
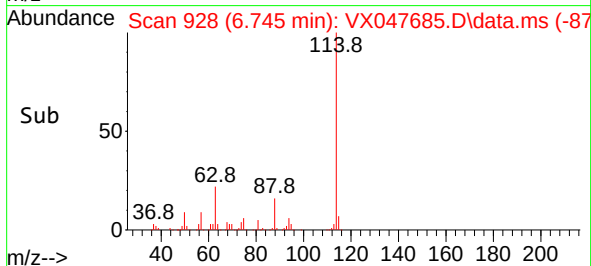
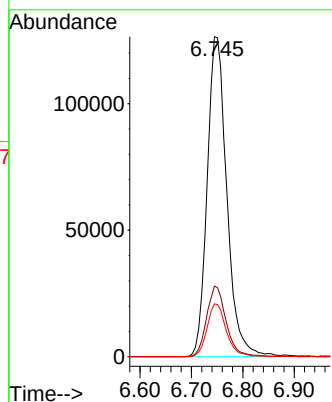
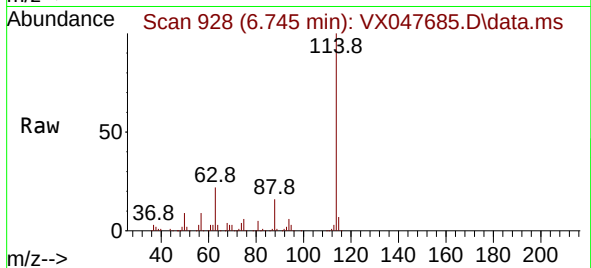




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

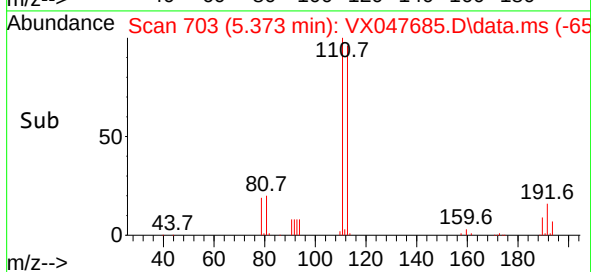
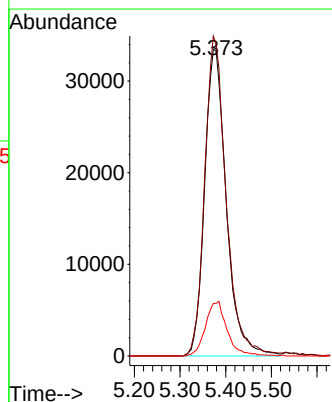
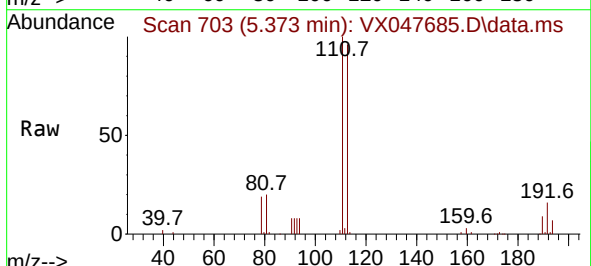
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250911

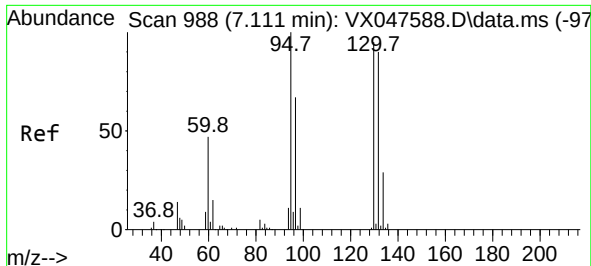
Tgt Ion:114 Resp: 335366
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.0
88 16.5 0.0 34.2



#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

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

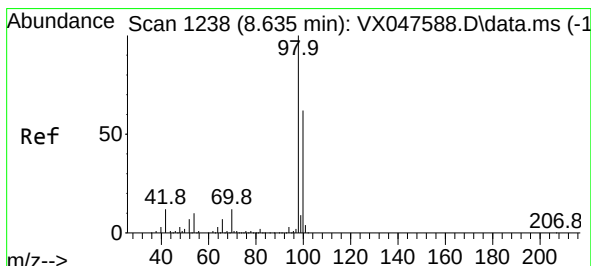
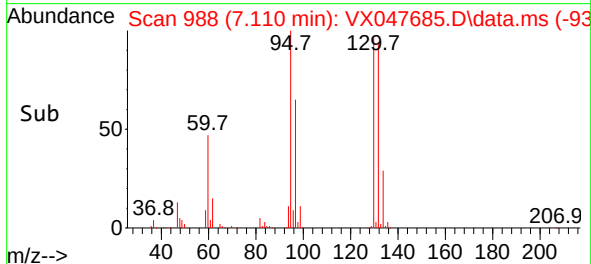
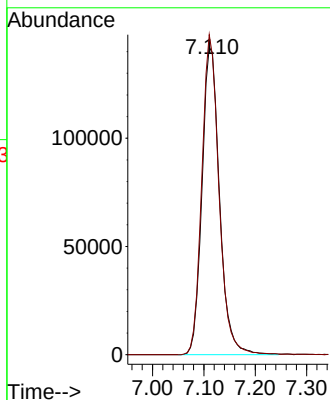
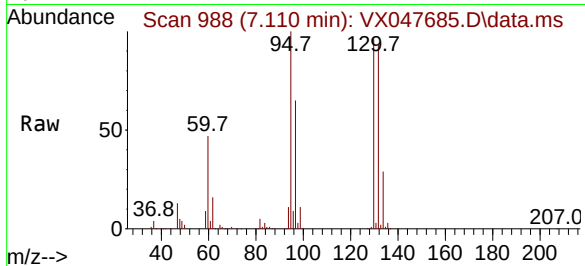




#44
Trichloroethene
Concen: 139.813 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

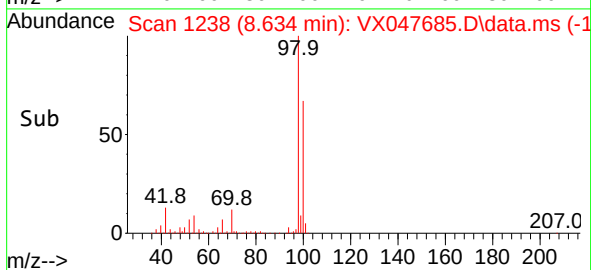
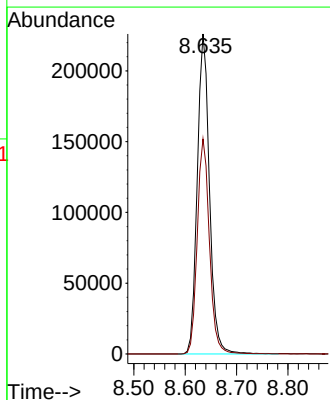
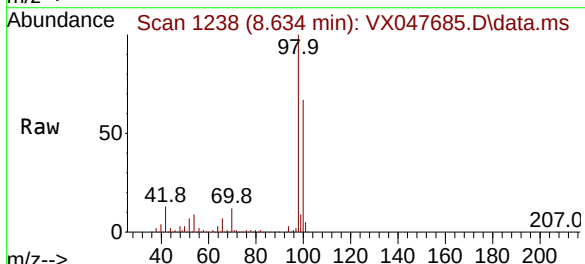
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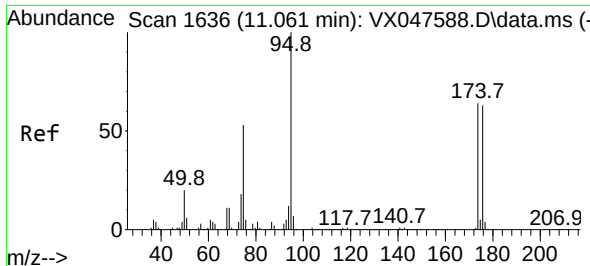
Tgt Ion:130 Resp: 337410
Ion Ratio Lower Upper
130 100
95 104.1 0.0 210.8



#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

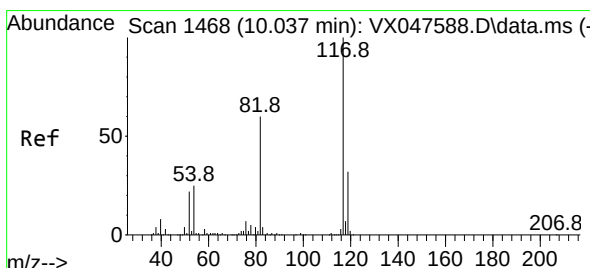
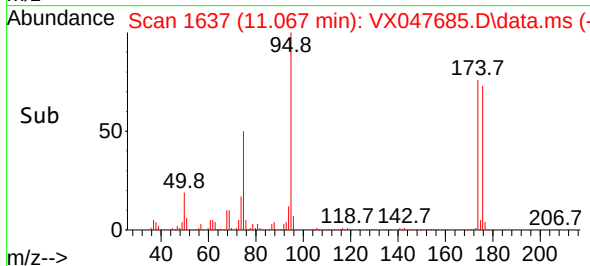
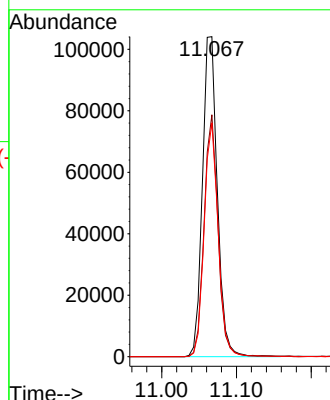
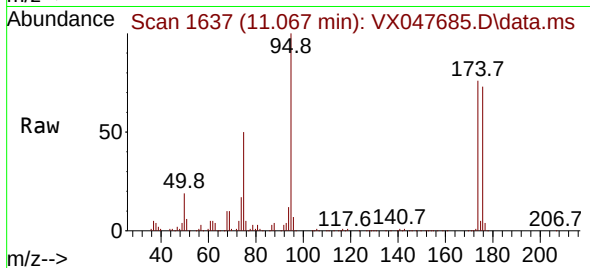




#62
4-Bromofluorobenzene
Concen: 48.862 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

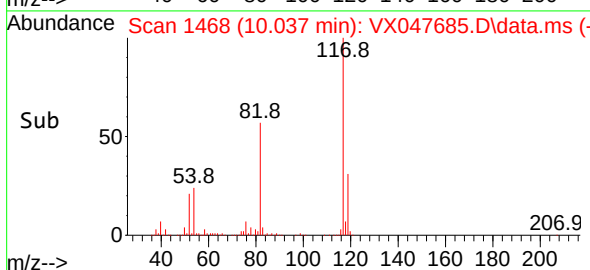
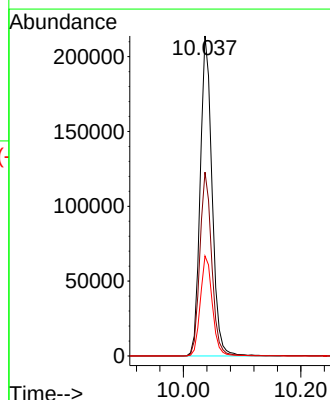
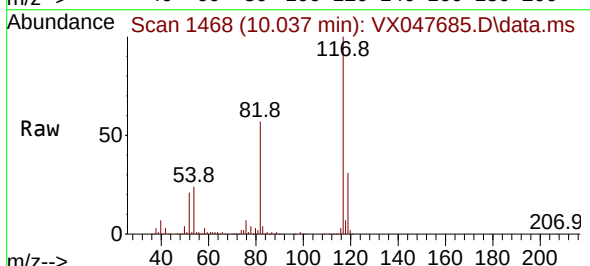
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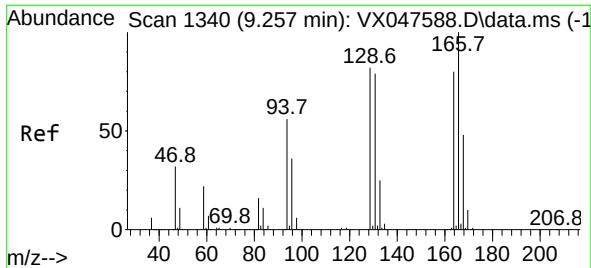
Tgt Ion: 95 Resp: 144318
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.6
176 68.9 0.0 138.4



#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



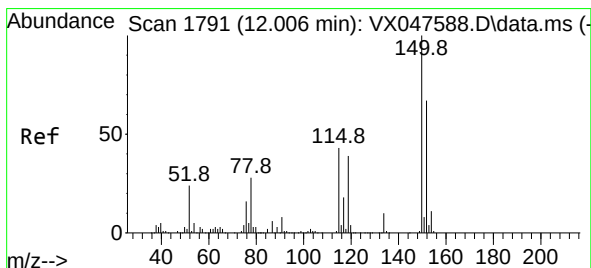
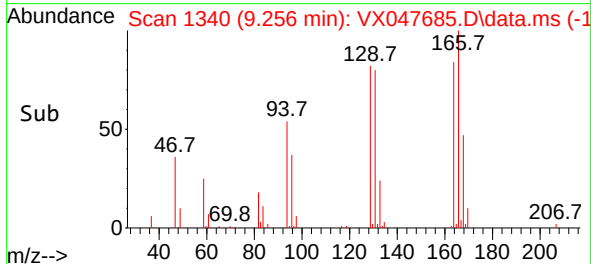
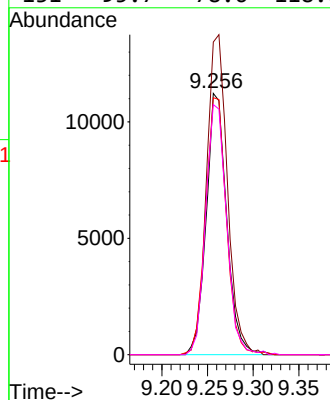
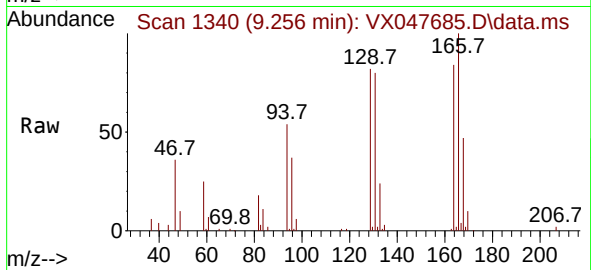


#64
Tetrachloroethene
Concen: 8.982 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047685.D
Acq: 19 Sep 2025 18:22

Instrument :
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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

