

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047648.D
 Acq On : 18 Sep 2025 17:48
 Operator : JC/MD
 Sample : Q3095-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250910

Quant Time: Sep 19 01:34:43 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)

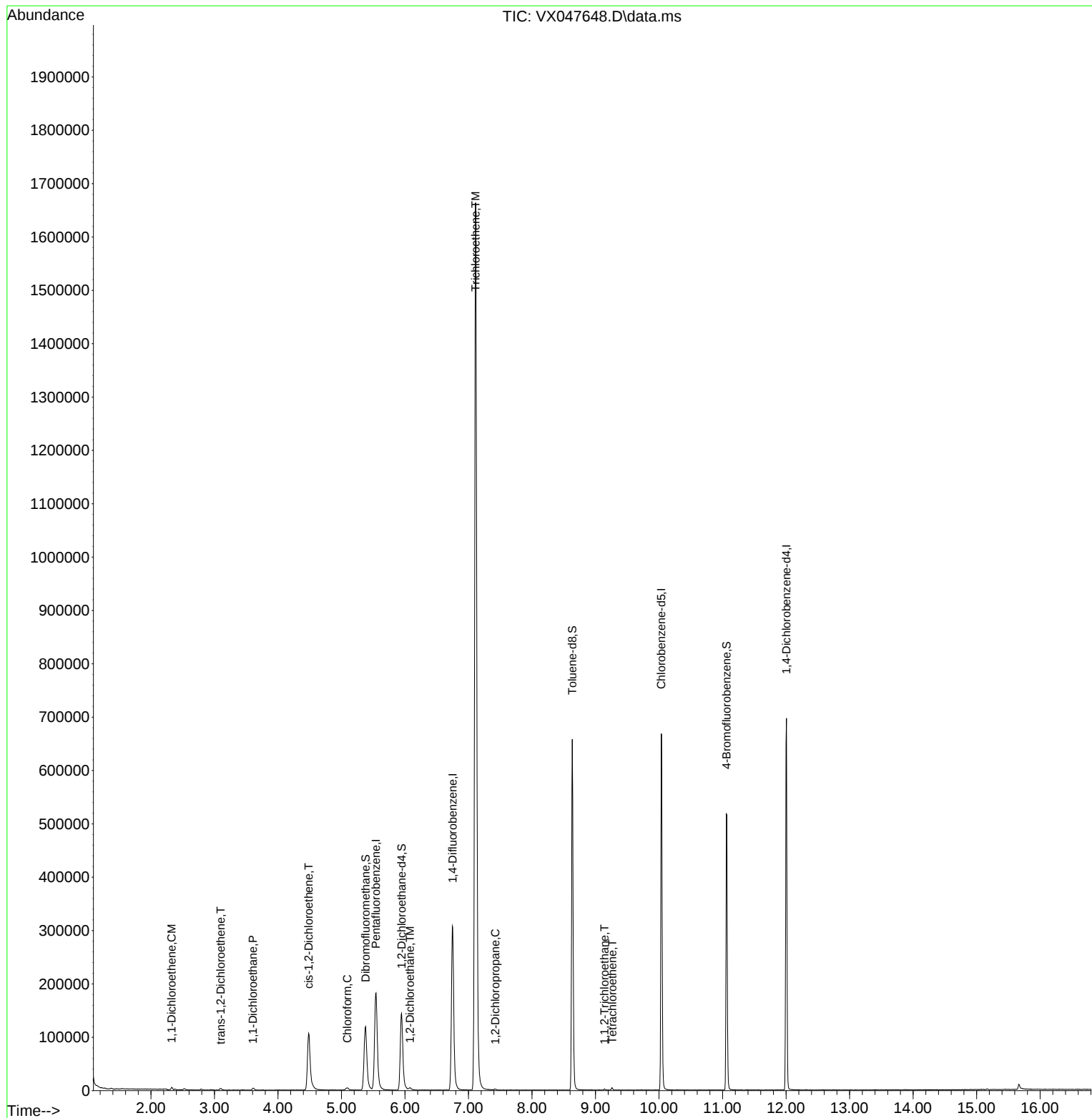
Internal Standards						
1) Pentafluorobenzene	5.544	168	184099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155732	53.144	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.280%	
35) Dibromofluoromethane	5.379	113	115023	51.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.060%	
50) Toluene-d8	8.635	98	397448	50.955	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	11.061	95	152492	51.513	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.020%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.325	96	1695	0.775	ug/l #	90
21) trans-1,2-Dichloroethene	3.099	96	1719	0.730	ug/l #	60
24) 1,1-Dichloroethane	3.605	63	4824	1.038	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	76570	26.550	ug/l	88
30) Chloroform	5.093	83	5704	1.214	ug/l	90
42) 1,2-Dichloroethane	6.080	62	4353	1.144	ug/l	96
44) Trichloroethene	7.111	130	680133	281.195	ug/l	98
45) 1,2-Dichloropropane	7.421	63	777	0.303	ug/l #	83
55) 1,1,2-Trichloroethane	9.141	97	630	0.265	ug/l #	75
64) Tetrachloroethene	9.263	164	761	0.385	ug/l	88

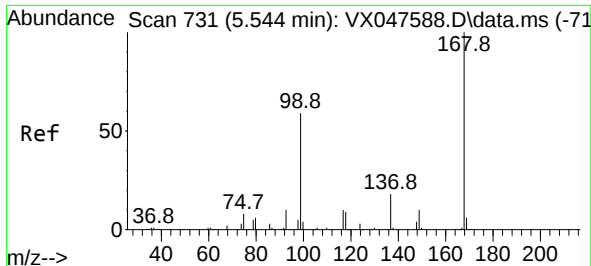
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 01:34:43 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

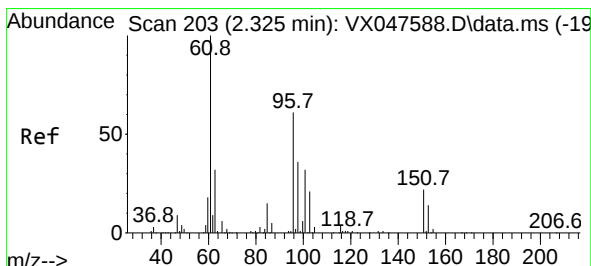
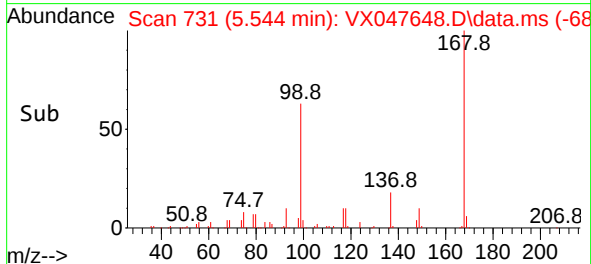
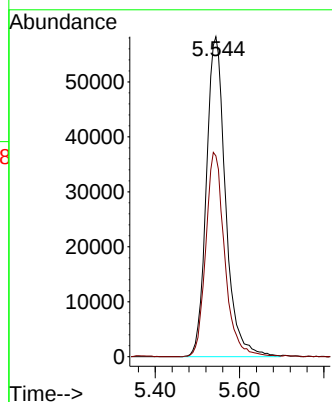
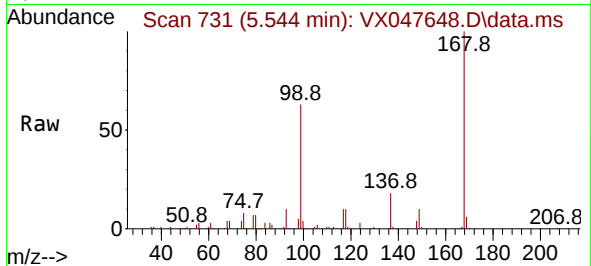




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

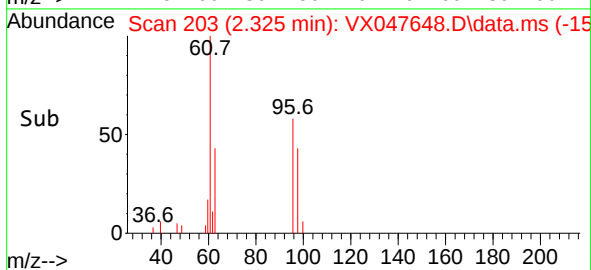
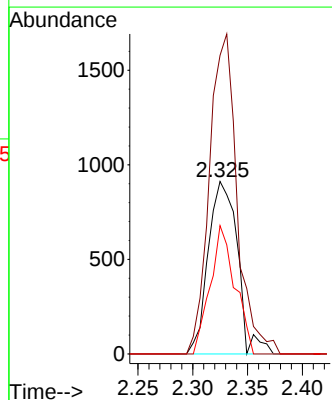
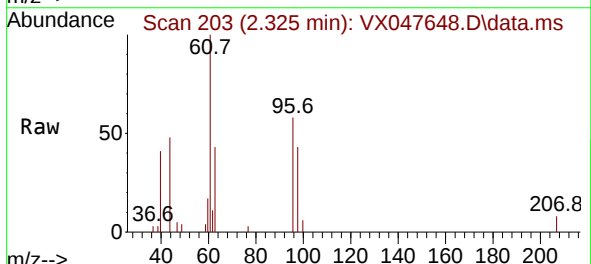
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

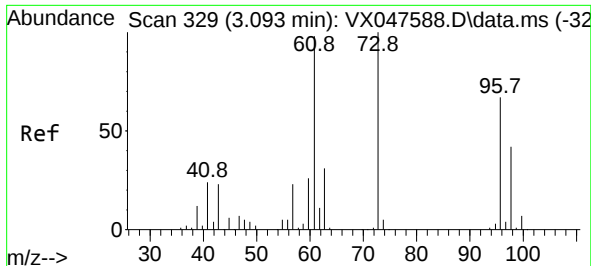
Tgt Ion:168 Resp: 184099
Ion Ratio Lower Upper
168 100
99 62.8 48.8 73.2



#12
1,1-Dichloroethene
Concen: 0.775 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

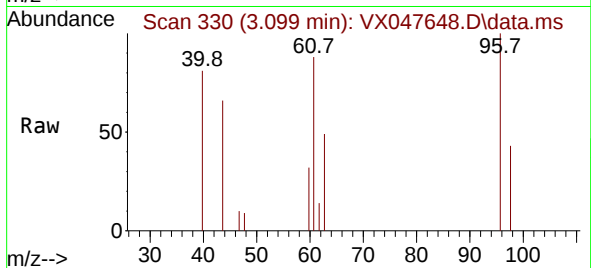
Tgt Ion: 96 Resp: 1695
Ion Ratio Lower Upper
96 100
61 173.1 131.0 196.6
98 74.3 47.7 71.5#



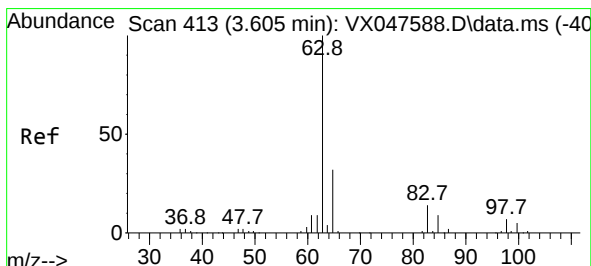
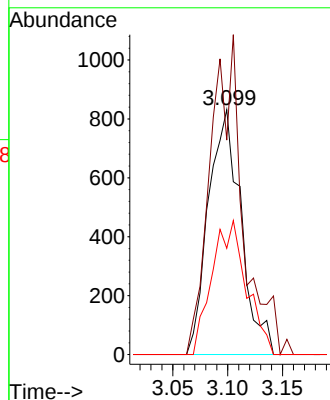
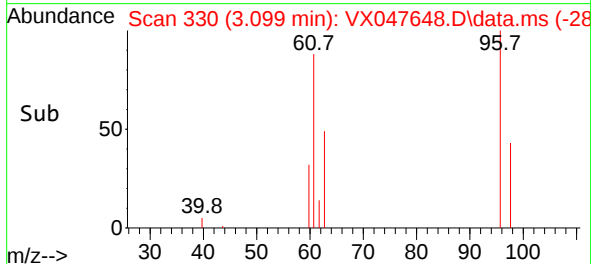


#21
trans-1,2-Dichloroethene
Concen: 0.730 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

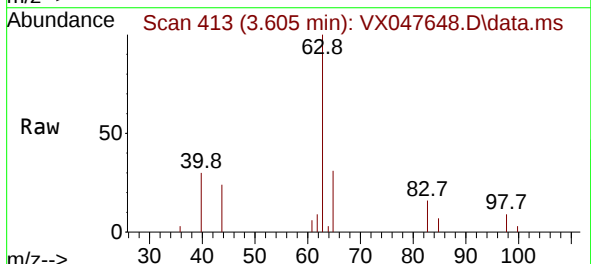
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910



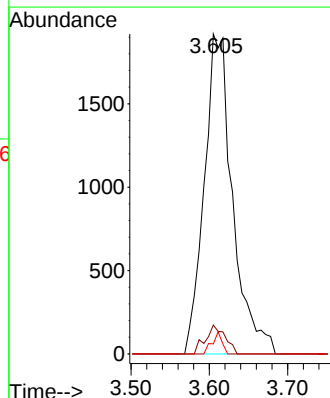
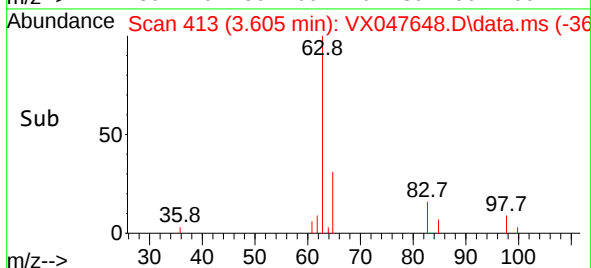
Tgt Ion: 96 Resp: 1719
Ion Ratio Lower Upper
96 100
61 87.6 116.2 174.2#
98 43.4 49.3 73.9#

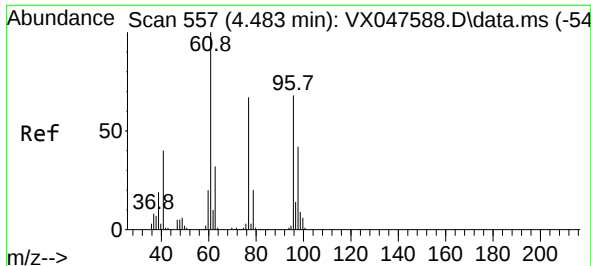


#24
1,1-Dichloroethane
Concen: 1.038 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48



Tgt Ion: 63 Resp: 4824
Ion Ratio Lower Upper
63 100
98 9.0 3.8 11.2
100 3.1 2.3 6.9

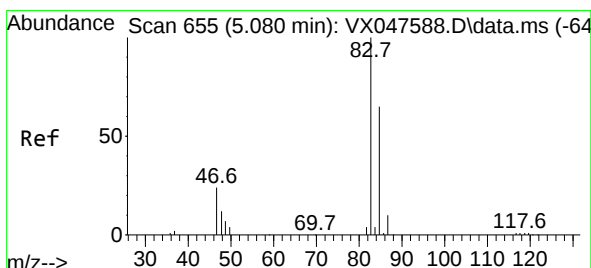
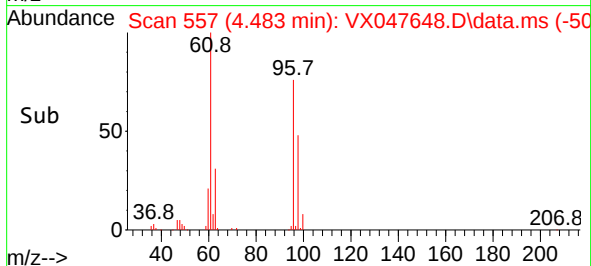
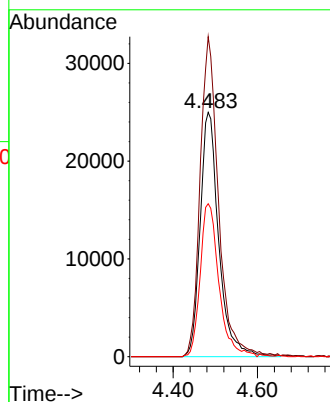
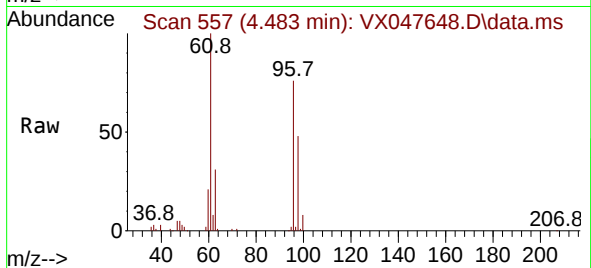




#27
 cis-1,2-Dichloroethene
 Concen: 26.550 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX047648.D
 Acq: 18 Sep 2025 17:48

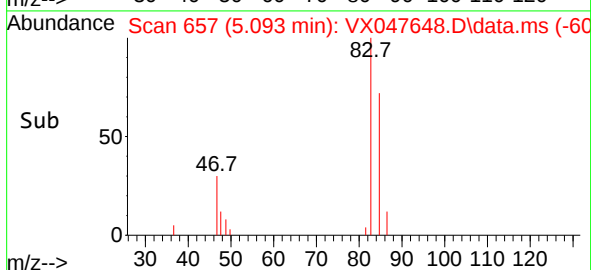
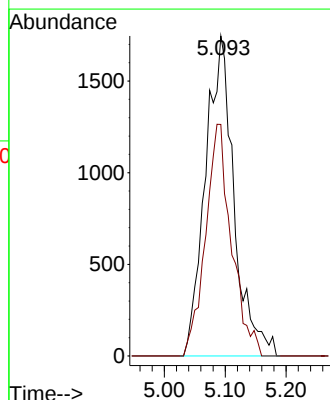
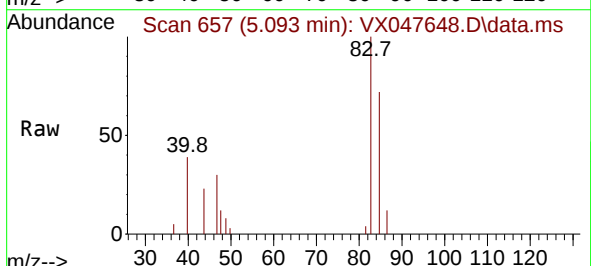
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250910

Tgt Ion: 96 Resp: 76570
 Ion Ratio Lower Upper
 96 100
 61 130.3 0.0 303.2
 98 63.1 0.0 127.8



#30
 Chloroform
 Concen: 1.214 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. 0.012 min
 Lab File: VX047648.D
 Acq: 18 Sep 2025 17:48

Tgt Ion: 83 Resp: 5704
 Ion Ratio Lower Upper
 83 100
 85 72.3 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 53.144 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047648.D

Acq: 18 Sep 2025 17:48

Instrument :

MSVOA_X

ClientSampleId :

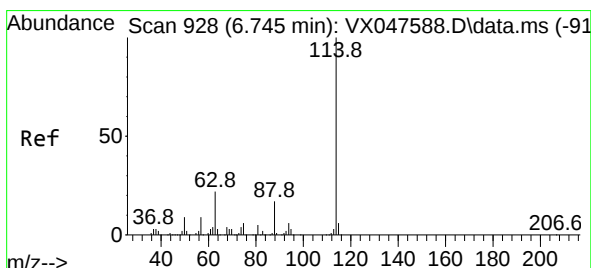
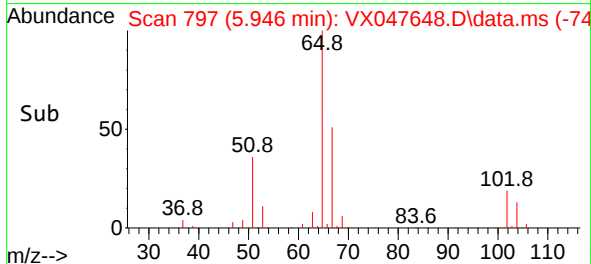
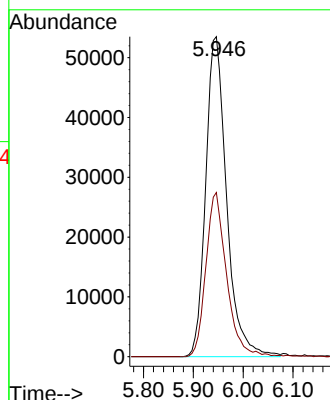
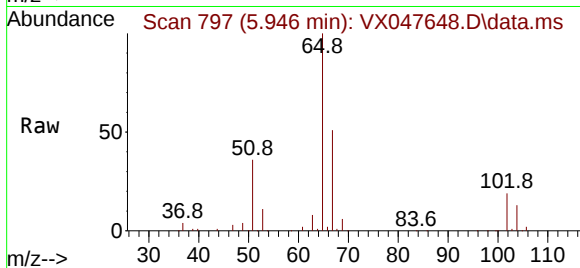
RE104D2-20250910

Tgt Ion: 65 Resp: 155732

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047648.D

Acq: 18 Sep 2025 17:48

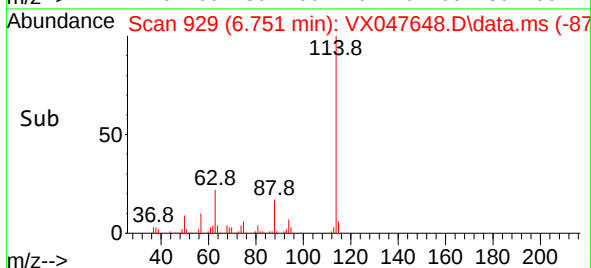
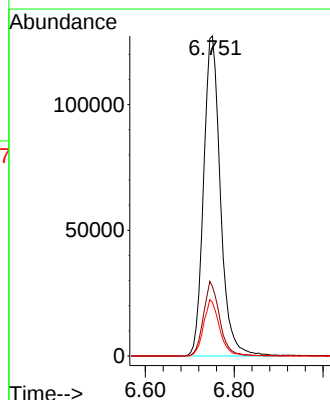
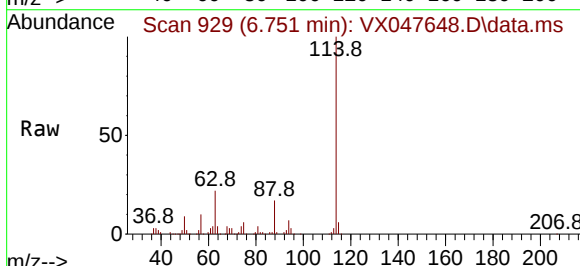
Tgt Ion: 114 Resp: 336121

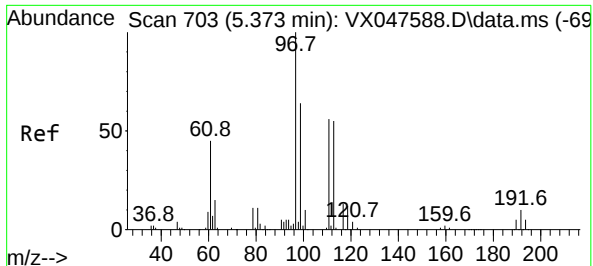
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

88 16.7 0.0 34.2

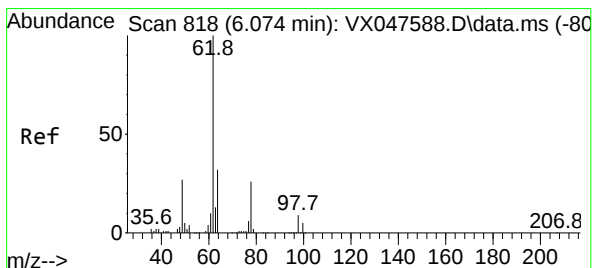
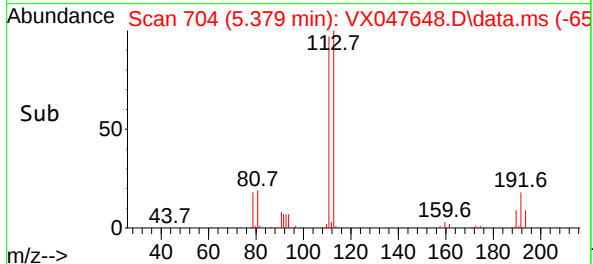
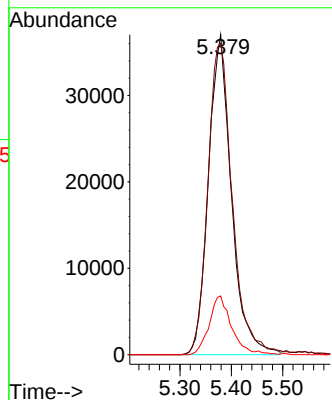
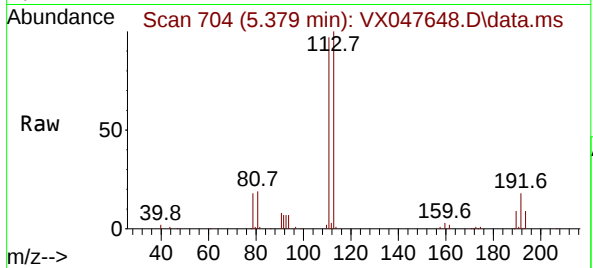




#35
Dibromofluoromethane
Concen: 51.026 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

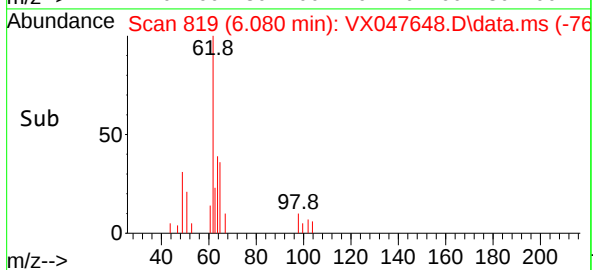
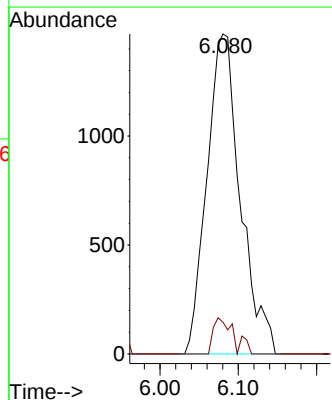
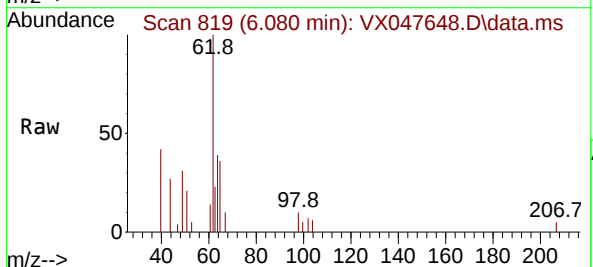
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

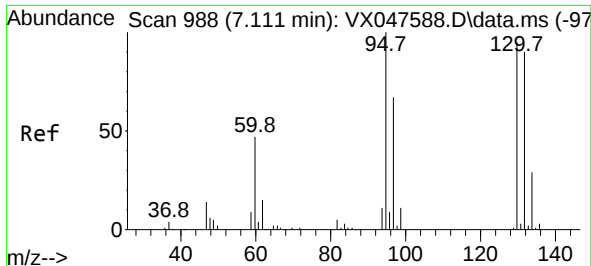
Tgt Ion:113 Resp: 115023
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 17.9 14.2 21.4



#42
1,2-Dichloroethane
Concen: 1.144 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 62 Resp: 4353
Ion Ratio Lower Upper
62 100
98 7.0 0.0 17.0

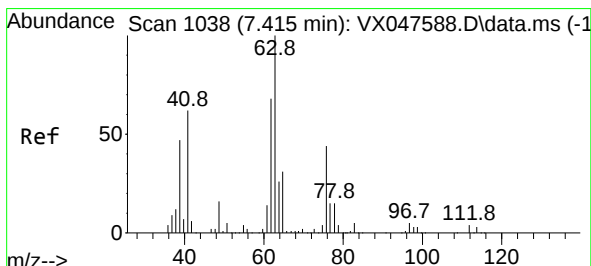
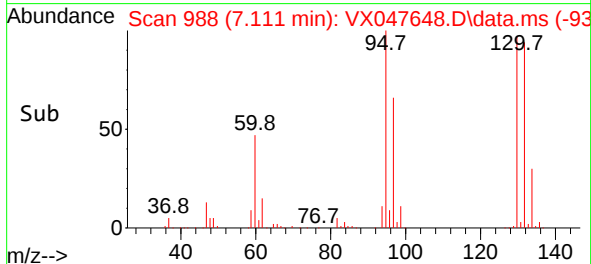
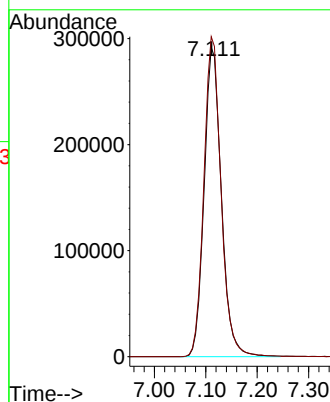
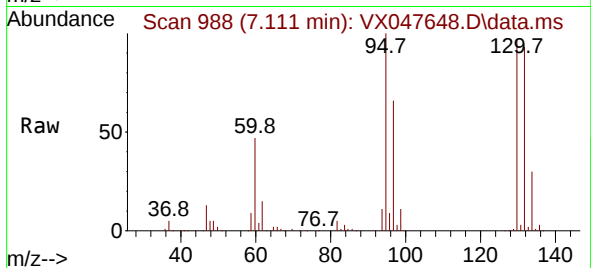




#44
Trichloroethene
Concen: 281.195 ug/l
RT: 7.111 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

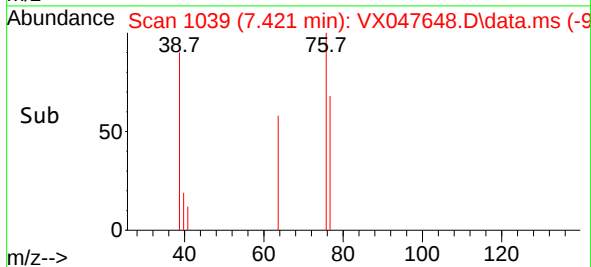
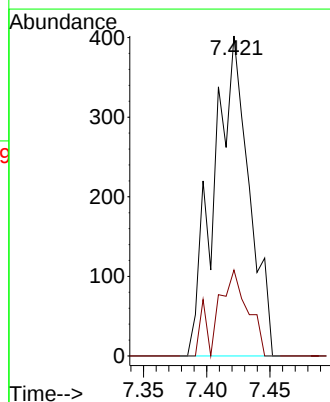
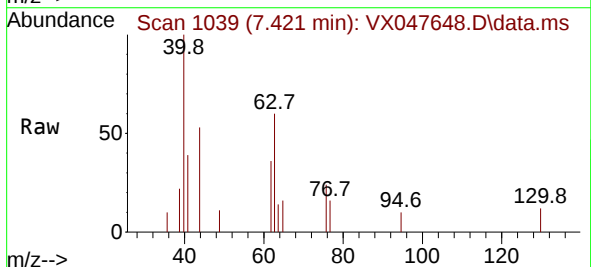
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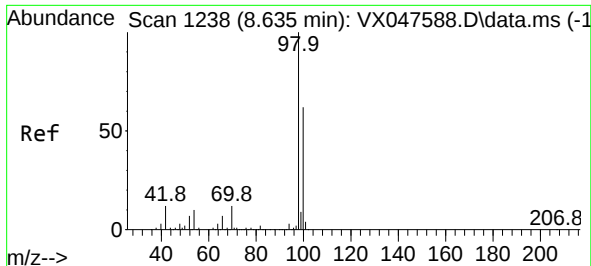
Tgt Ion:130 Resp: 680133
Ion Ratio Lower Upper
130 100
95 103.4 0.0 210.8



#45
1,2-Dichloropropane
Concen: 0.303 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 63 Resp: 777
Ion Ratio Lower Upper
63 100
65 21.8 24.7 37.1#

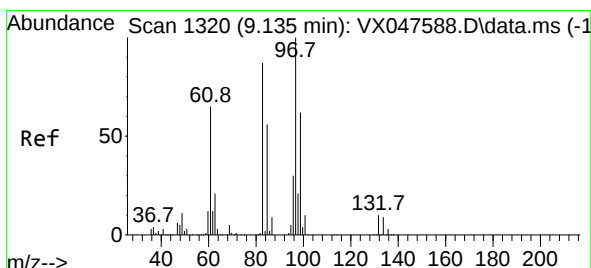
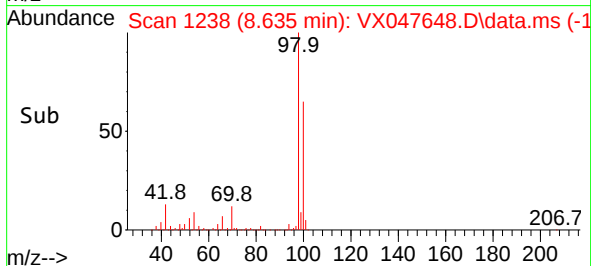
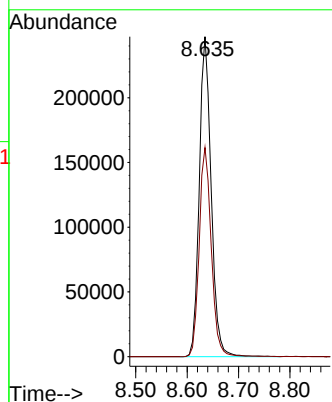
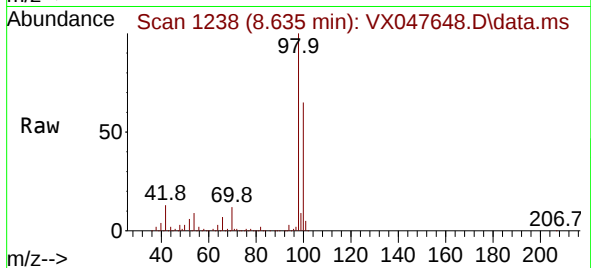




#50
Toluene-d8
Concen: 50.955 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

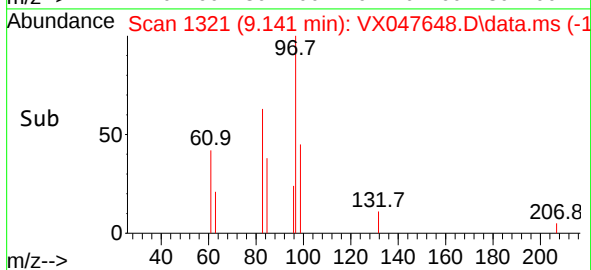
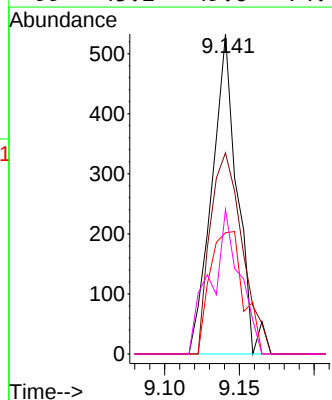
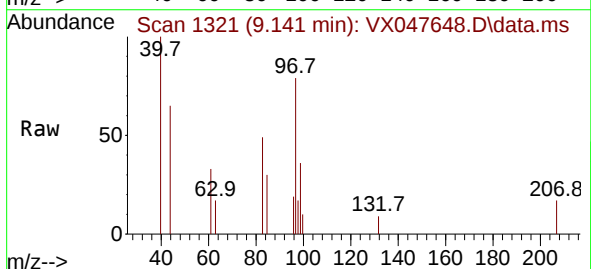
Instrument :
MSVOA_X
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RE104D2-20250910

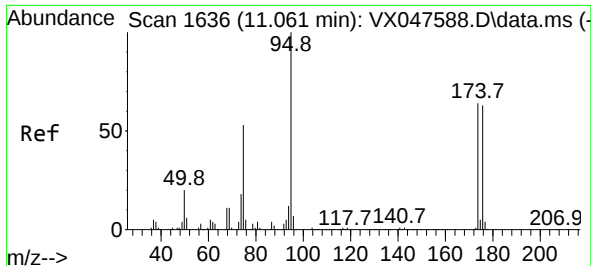
Tgt Ion: 98 Resp: 397448
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 0.265 ug/l
RT: 9.141 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 97 Resp: 630
Ion Ratio Lower Upper
97 100
83 62.9 69.6 104.4#
85 37.9 45.0 67.6#
99 45.2 49.6 74.4#

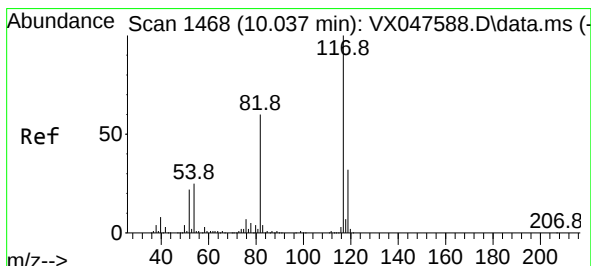
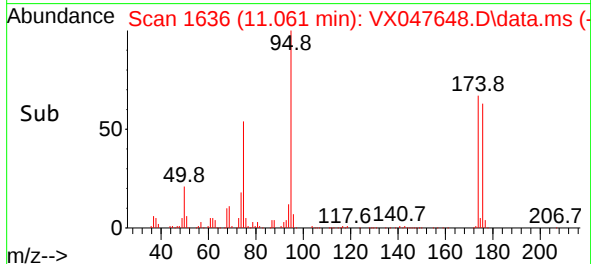
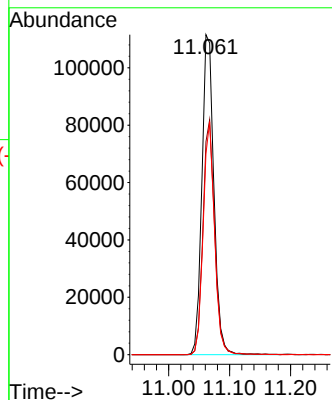
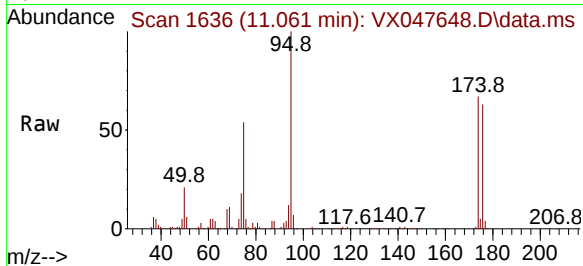




#62
4-Bromofluorobenzene
Concen: 51.513 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

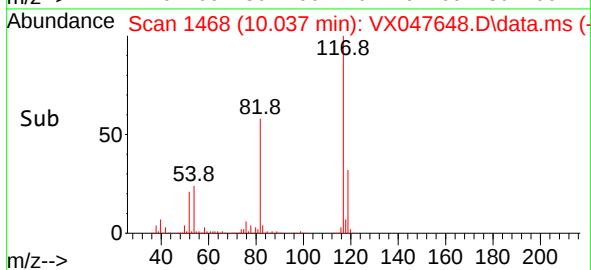
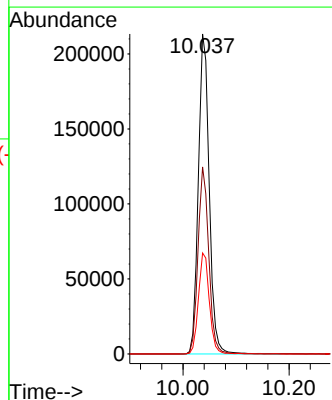
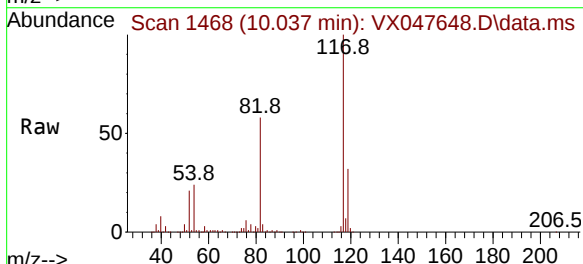
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

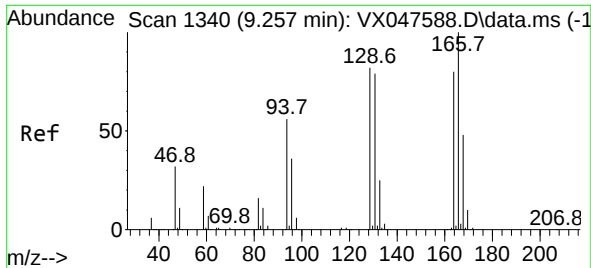
Tgt Ion: 95 Resp: 152492
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 69.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 117 Resp: 303444
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.6
119 31.5 25.2 37.8

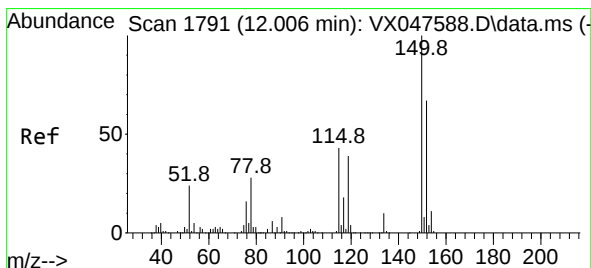
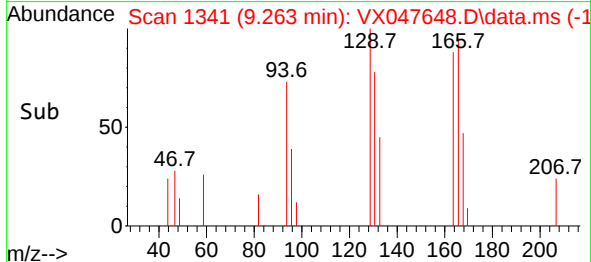
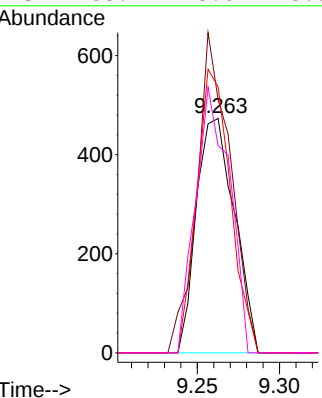
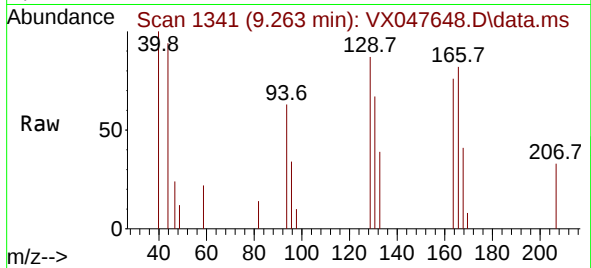




#64
Tetrachloroethene
Concen: 0.385 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt	Ion:164	Resp:	761
Ion	Ratio	Lower	Upper
164	100		
166	108.0	100.2	150.2
129	113.5	81.8	122.6
131	88.4	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: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion:152	Resp:	145628	
Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	157.6	0.0	352.0

