

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032594.D
 Acq On : 08 Dec 2025 14:27
 Operator : SY/MD
 Sample : Q3795-07
 Misc : 4.02g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-VOC

Quant Time: Dec 09 02:19:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

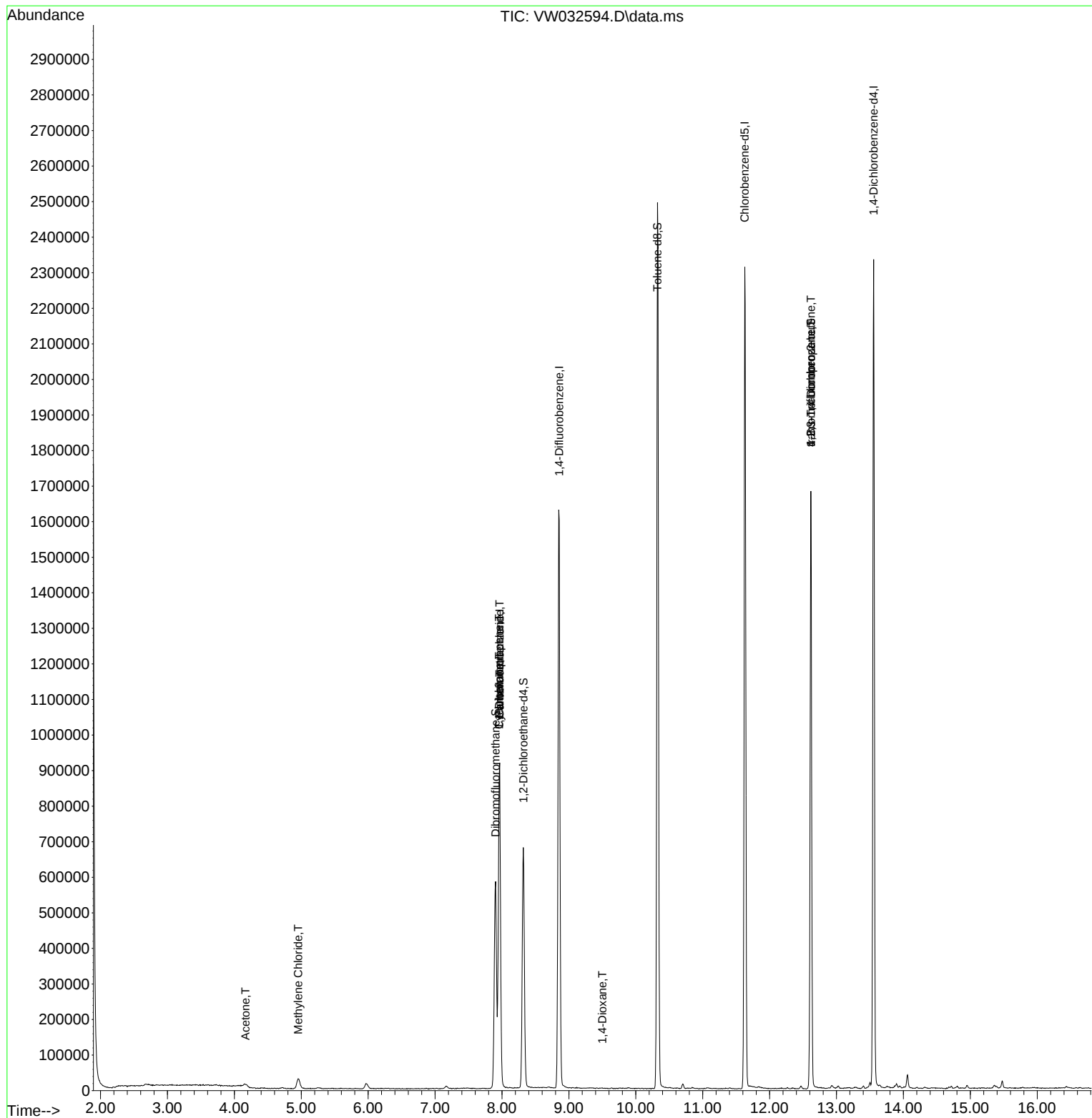
Internal Standards						
1) Pentafluorobenzene	7.965	168	608526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	1343119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	1234381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	588823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	553297	61.097	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 122.200%			
35) Dibromofluoromethane	7.904	113	428328	48.461	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.920%			
50) Toluene-d8	10.325	98	1624603	48.848	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 97.700%			
62) 4-Bromofluorobenzene	12.617	95	578108	47.048	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.100%			
Target Compounds						
16) Acetone	4.167	43	9165	3.239	ug/l	92
20) Methylene Chloride	4.954	84	23998	2.371	ug/l	89
31) Cyclohexane	7.959	56	17553	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	61486	4.561	ug/l #	50
38) Carbon Tetrachloride	7.965	117	72931	5.823	ug/l #	16
49) 1,4-Dioxane	9.502	88	119	1.614	ug/l #	56
76) 1,2,3-Trichloropropane	12.617	75	292175	36.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	292175	86.247	ug/l #	10

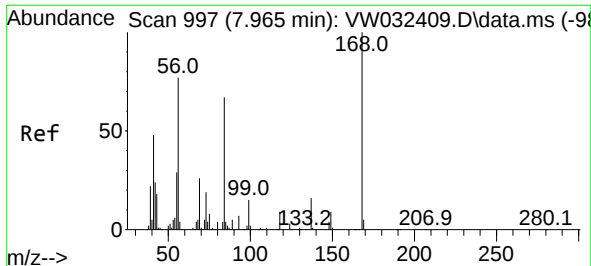
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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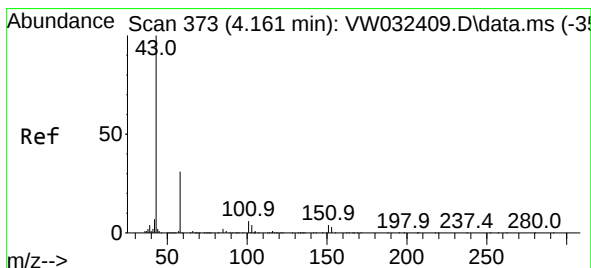
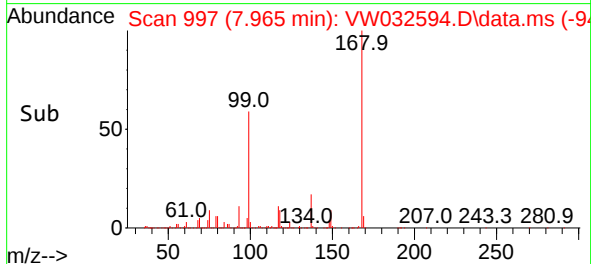
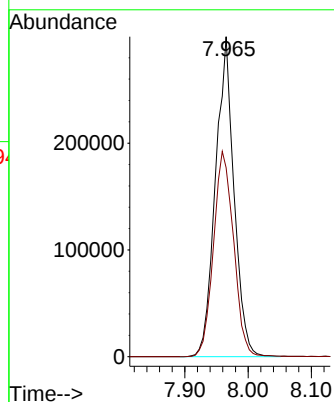
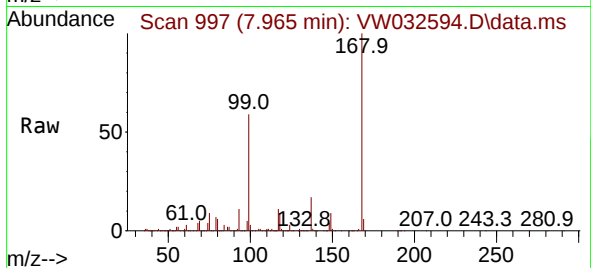




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

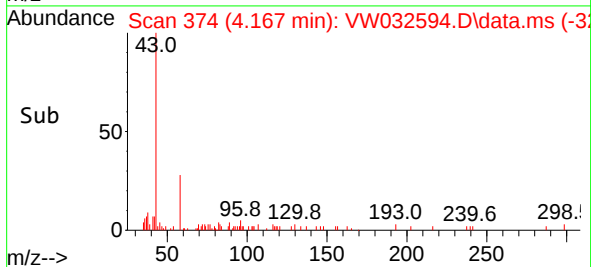
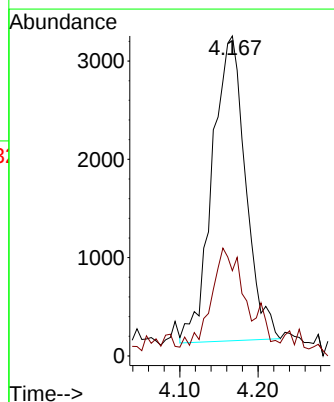
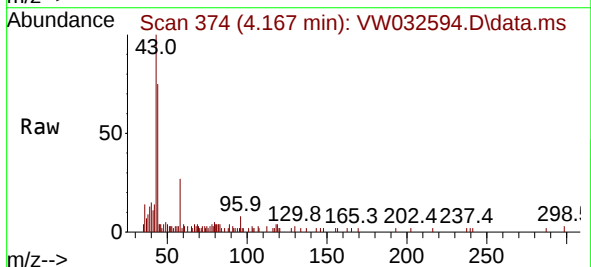
Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-VOC

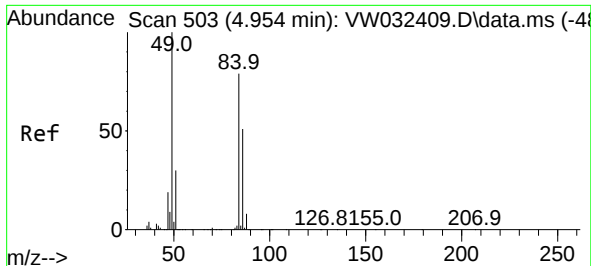
Tgt Ion:168 Resp: 608526
Ion Ratio Lower Upper
168 100
99 59.0 51.8 77.8



#16
Acetone
Concen: 3.239 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

Tgt Ion: 43 Resp: 9165
Ion Ratio Lower Upper
43 100
58 25.3 23.5 35.3

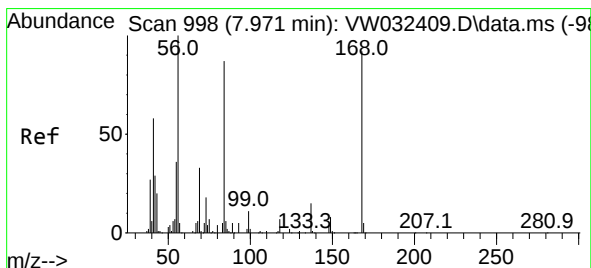
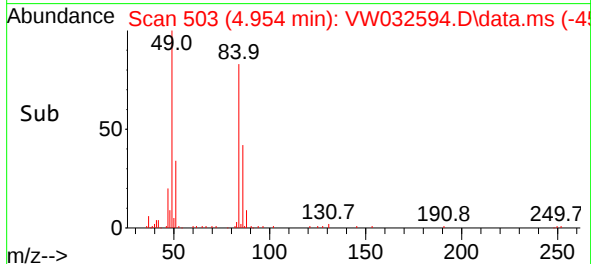
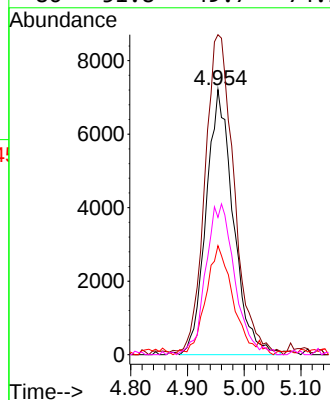
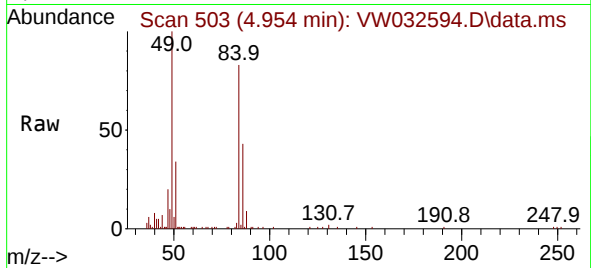




#20
Methylene Chloride
Concen: 2.371 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

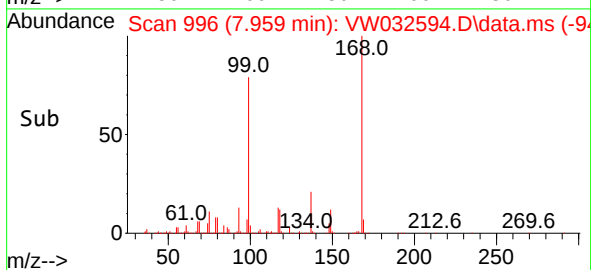
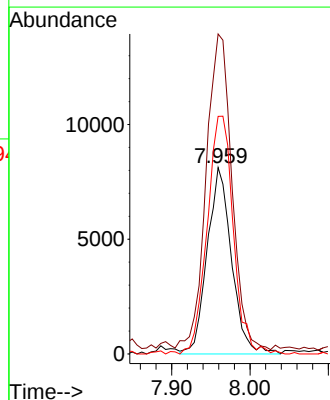
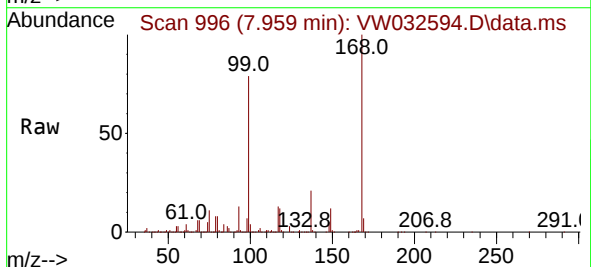
Instrument :
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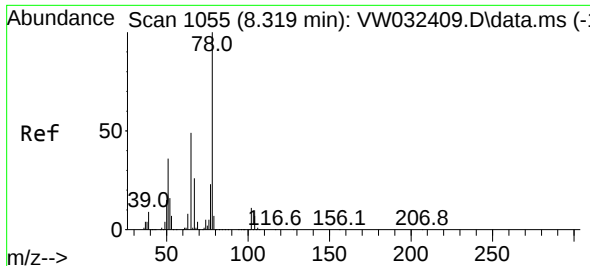
Tgt Ion:	84	Resp:	23998
Ion	Ratio	Lower	Upper
84	100		
49	119.4	107.6	161.4
51	39.7	33.9	50.9
86	51.8	49.7	74.5



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

Tgt Ion:	56	Resp:	17553
Ion	Ratio	Lower	Upper
56	100		
69	168.6	27.3	40.9#
84	127.5	67.5	101.3#

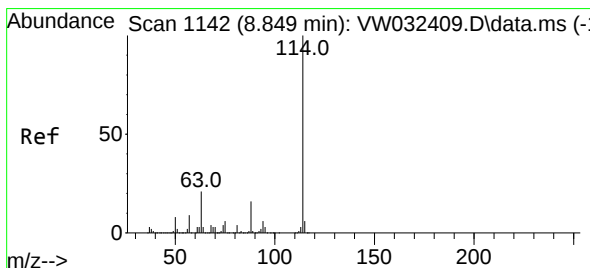
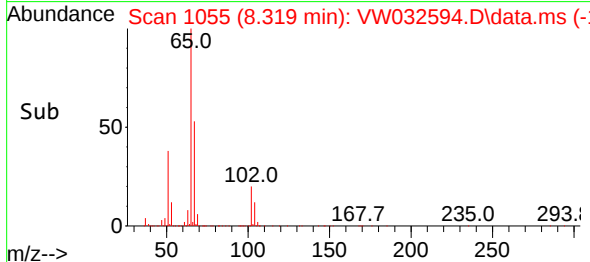
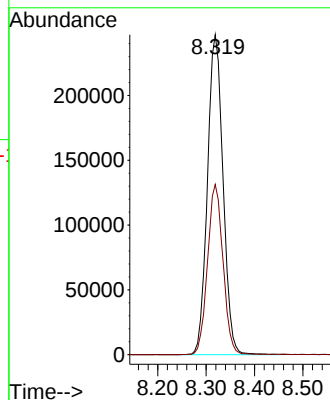
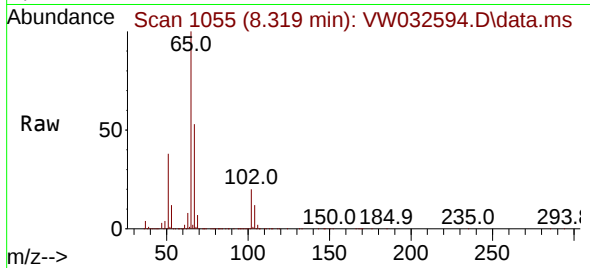




#33
 1,2-Dichloroethane-d4
 Concen: 61.097 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032594.D
 Acq: 08 Dec 2025 14:27

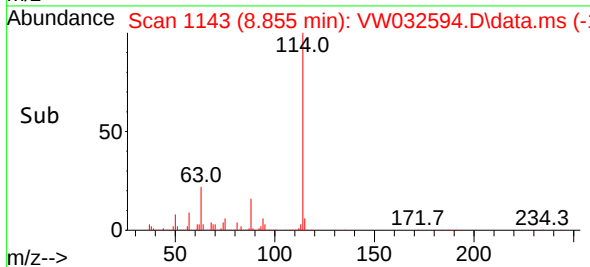
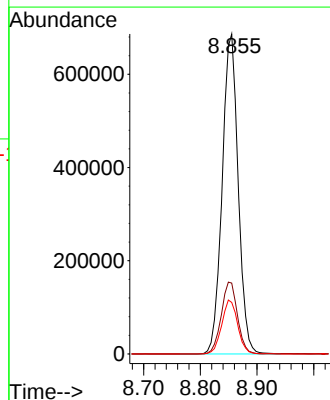
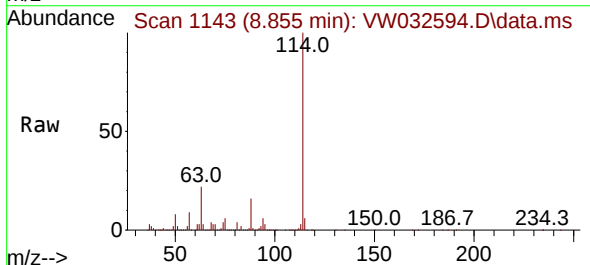
Instrument :
 MSVOA_W
 ClientSampleId :
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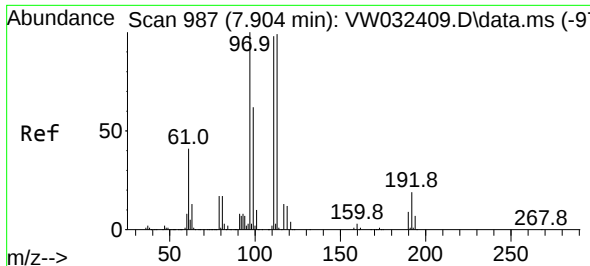
Tgt Ion: 65 Resp: 553297
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032594.D
 Acq: 08 Dec 2025 14:27

Tgt Ion: 114 Resp: 1343119
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 40.6
 88 16.1 0.0 31.2

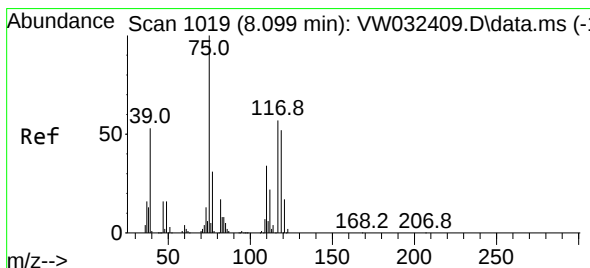
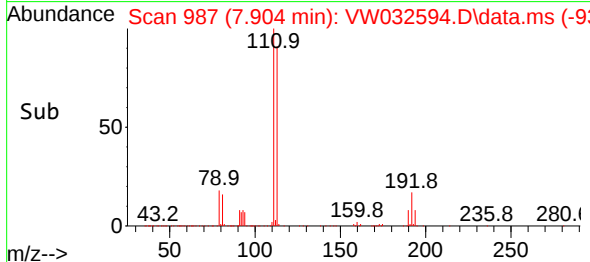
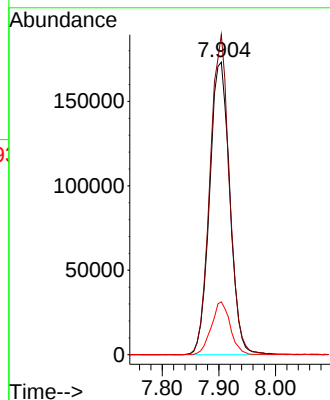
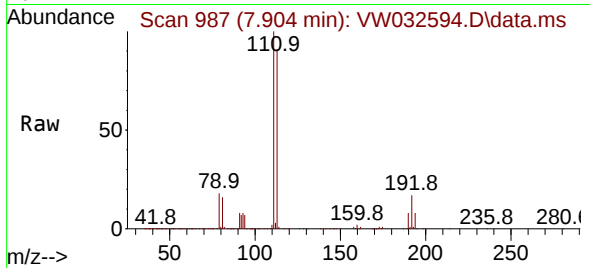




#35
Dibromofluoromethane
Concen: 48.461 ug/l
RT: 7.904 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

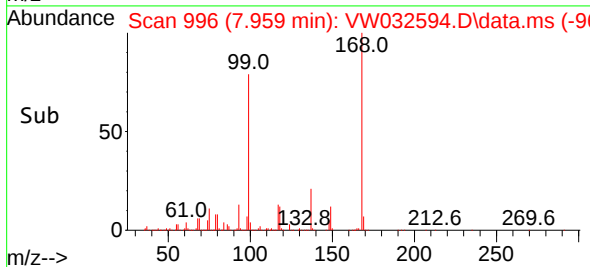
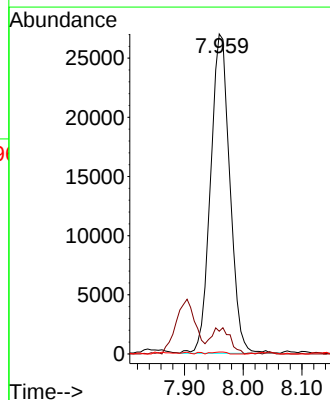
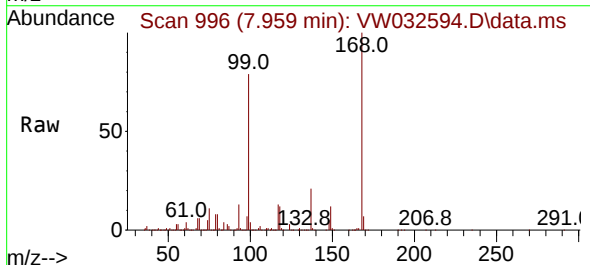
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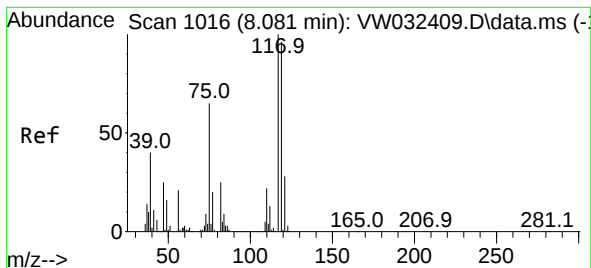
Tgt Ion:113 Resp: 428328
Ion Ratio Lower Upper
113 100
111 105.1 83.4 125.0
192 17.0 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.561 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

Tgt Ion: 75 Resp: 61486
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.5 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.823 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032594.D

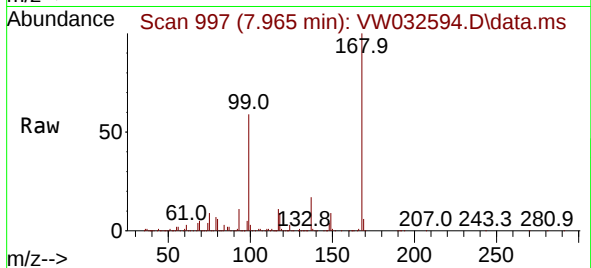
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Instrument :

MSVOA_W

ClientSampleId :

RBR-200059-VOC



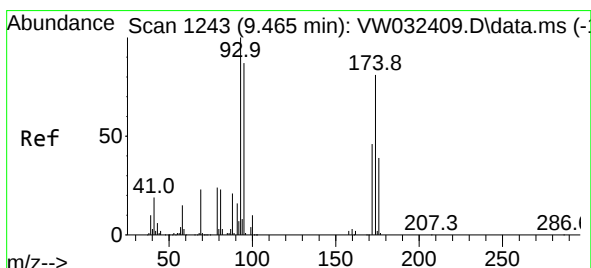
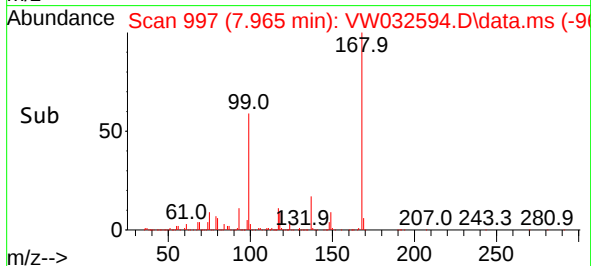
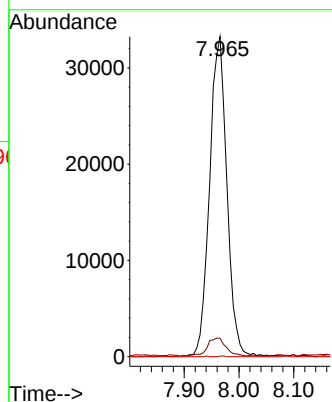
Tgt Ion:117 Resp: 72931

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

121 0.2 25.4 38.2#



#49

1,4-Dioxane

Concen: 1.614 ug/l

RT: 9.502 min Scan# 1249

Delta R.T. 0.043 min

Lab File: VW032594.D

Acq: 08 Dec 2025 14:27

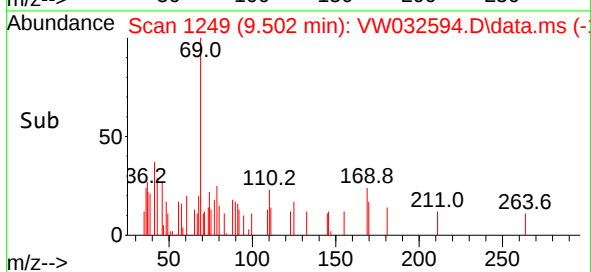
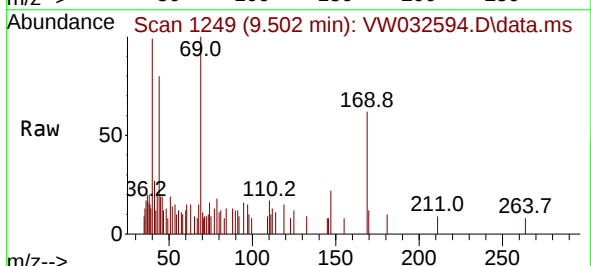
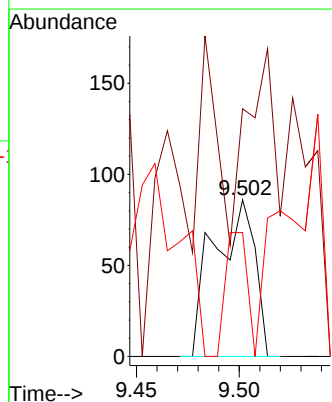
Tgt Ion: 88 Resp: 119

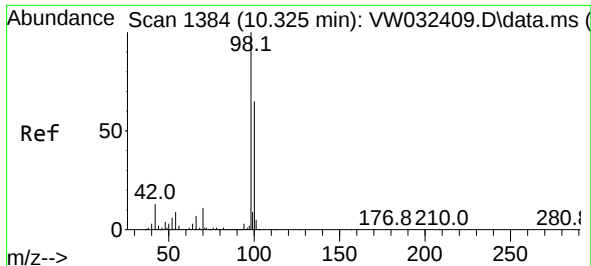
Ion Ratio Lower Upper

88 100

43 82.4 0.0 0.0#

58 42.0 65.2 97.8#

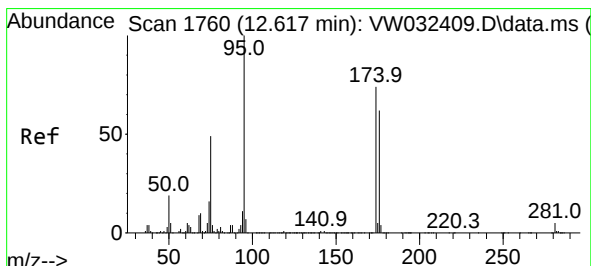
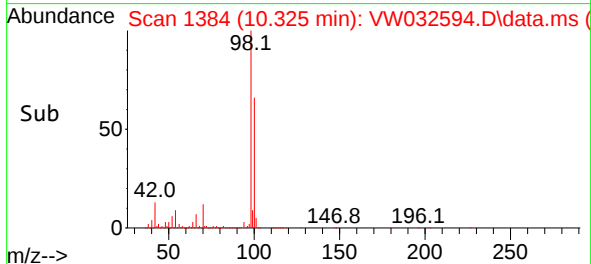
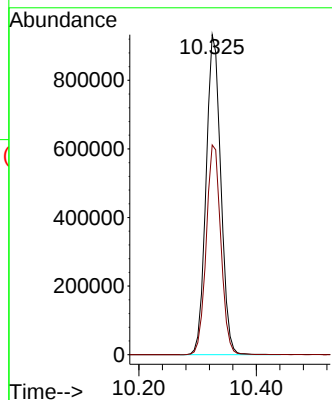
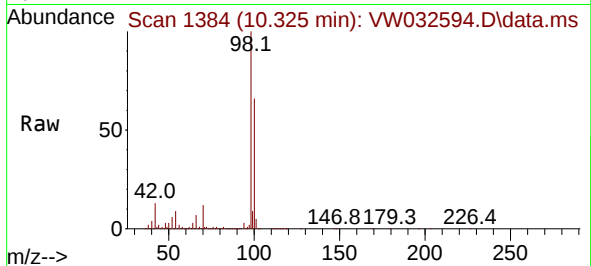




#50
Toluene-d8
Concen: 48.848 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

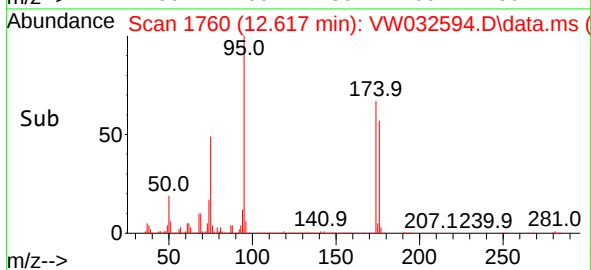
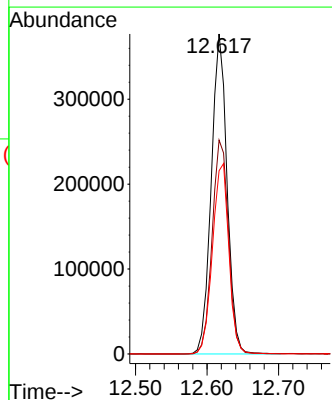
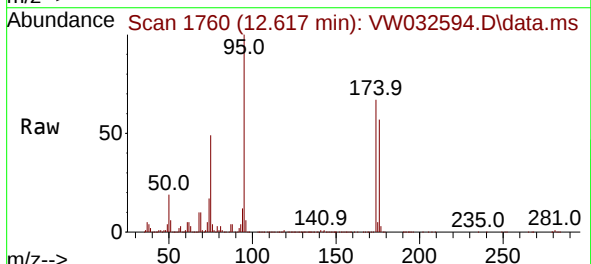
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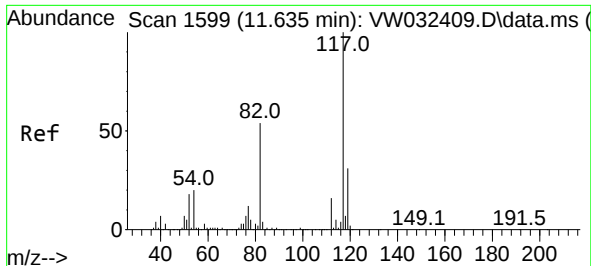
Tgt Ion: 98 Resp: 1624603
Ion Ratio Lower Upper
98 100
100 65.2 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 47.048 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

Tgt Ion: 95 Resp: 578108
Ion Ratio Lower Upper
95 100
174 69.5 0.0 141.2
176 62.1 0.0 130.8

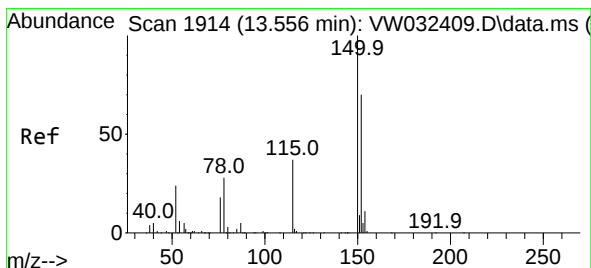
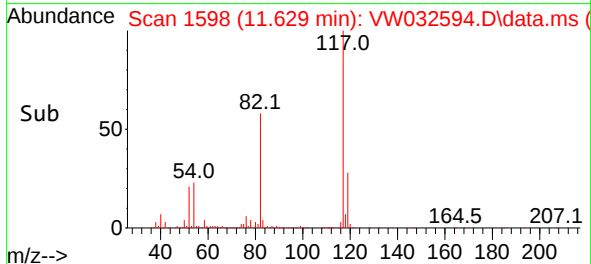
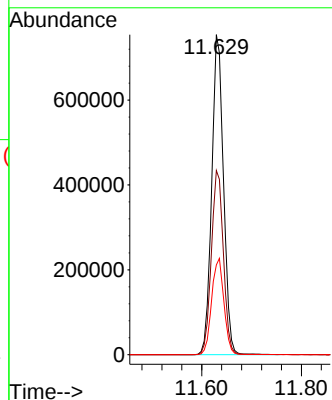
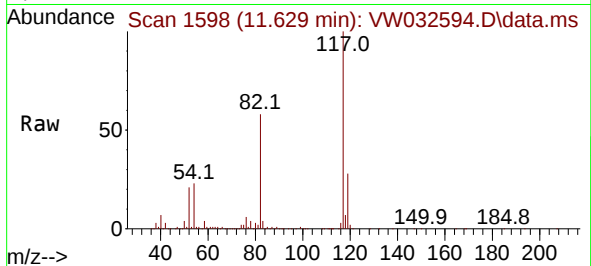




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

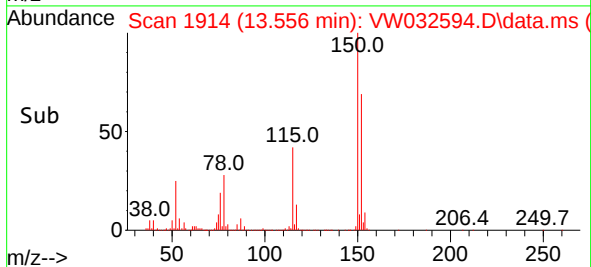
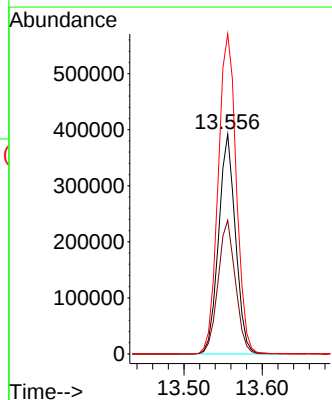
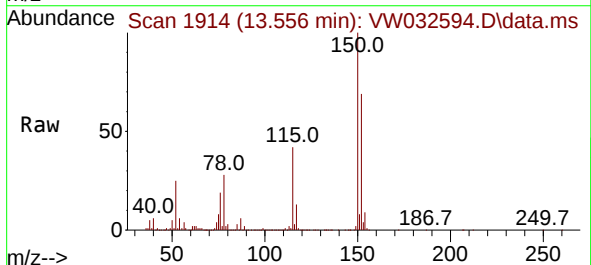
Instrument :
MSVOA_W
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RBR-200059-VOC

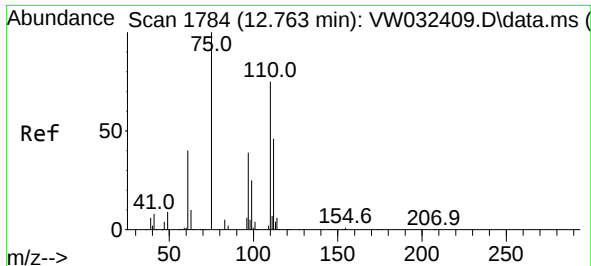
Tgt Ion:117 Resp: 1234381
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 28.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

Tgt Ion:152 Resp: 588823
Ion Ratio Lower Upper
152 100
115 62.6 31.1 93.3
150 156.3 0.0 351.2

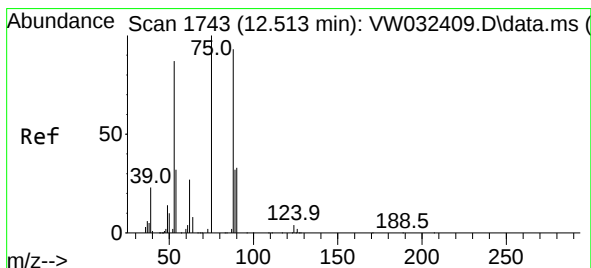
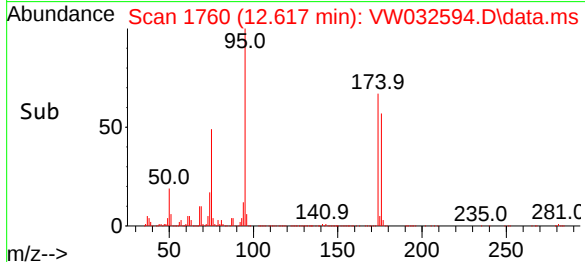
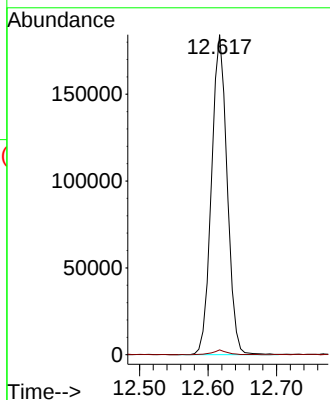
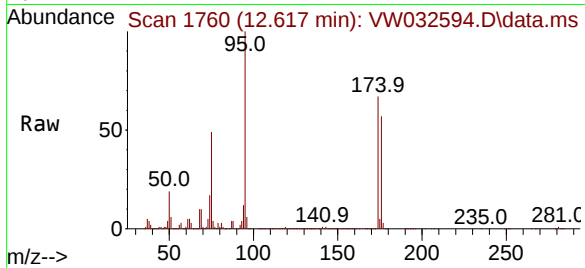




#76
1,2,3-Trichloropropane
Concen: 36.670 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-VOC

Tgt Ion: 75 Resp: 292175
Ion Ratio Lower Upper
75 100
77 1.4 148.2 444.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.247 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032594.D
Acq: 08 Dec 2025 14:27

Tgt Ion: 75 Resp: 292175
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.0 31.4 47.2#

