

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023909.D
 Acq On : 09 Dec 2025 15:30
 Operator : SY/MD
 Sample : Q3795-07RE
 Misc : 4.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200059-VOC

Quant Time: Dec 10 02:29:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

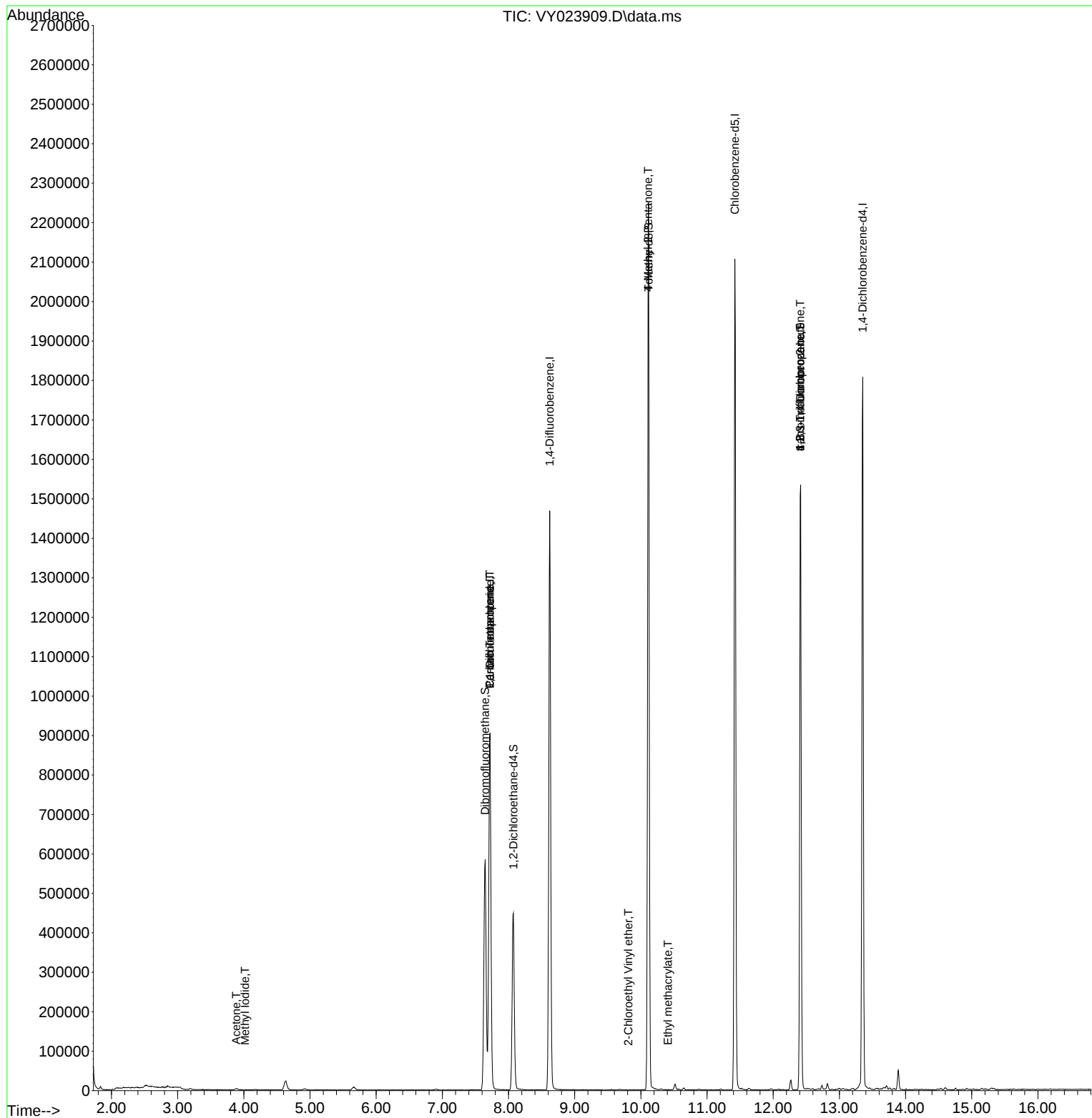
Internal Standards						
1) Pentafluorobenzene	7.719	168	767353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1305014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1158137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	490208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	362462	47.218	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.440%		
35) Dibromofluoromethane	7.646	113	412908	49.332	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.660%		
50) Toluene-d8	10.115	98	1489561	45.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.460%		
62) 4-Bromofluorobenzene	12.408	95	450811	40.580	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.160%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.019	142	647	2.511	ug/l #	66
11) Tert butyl alcohol	4.878	59	29	Below Cal	#	74
16) Acetone	3.885	43	6010	2.613	ug/l	92
36) 1,1-Dichloropropene	7.719	75	49024	3.972	ug/l #	50
38) Carbon Tetrachloride	7.719	117	68638	5.039	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	5637	1.005	ug/l #	1
56) Ethyl methacrylate	10.408	69	23	4.153	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.810	63	34	14.725	ug/l #	47
76) 1,2,3-Trichloropropane	12.408	75	223388	45.967	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	223388	110.094	ug/l #	14

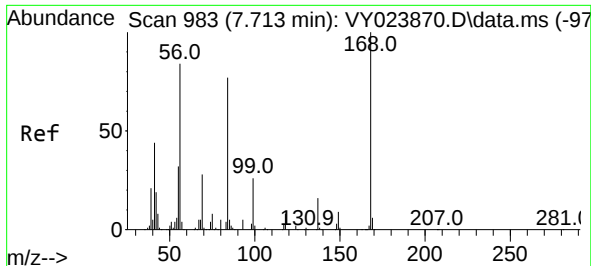
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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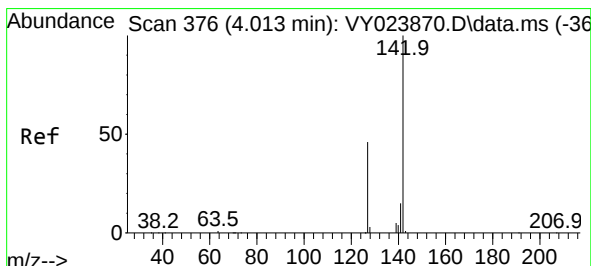
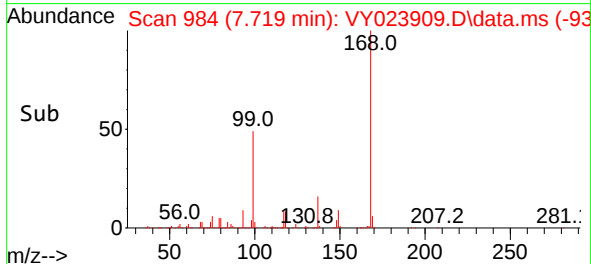
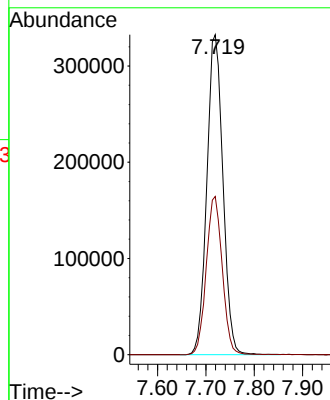
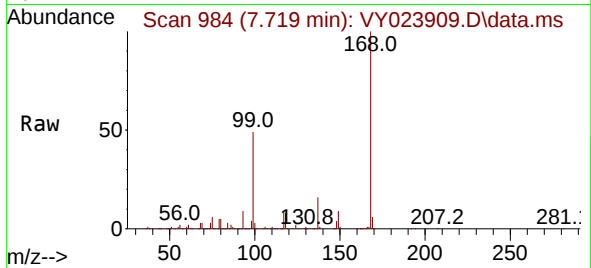




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

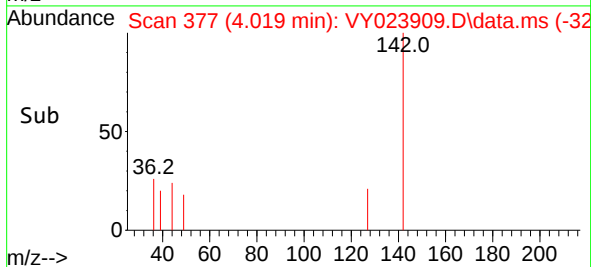
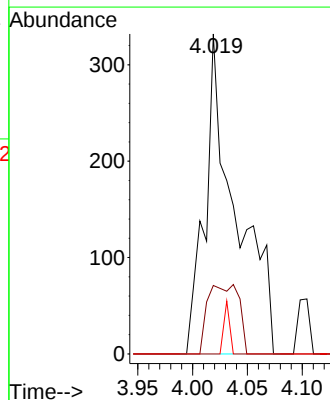
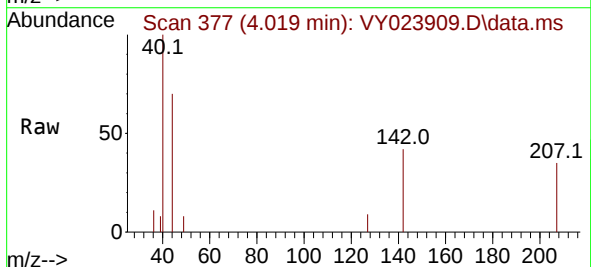
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059-VOC

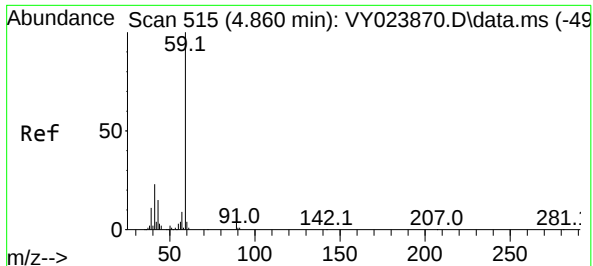
Tgt Ion:168 Resp: 767353
Ion Ratio Lower Upper
168 100
99 49.5 42.5 63.7



#10
Methyl Iodide
Concen: 2.511 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion:142 Resp: 647
Ion Ratio Lower Upper
142 100
127 21.9 36.1 54.1#
141 3.1 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.878 min Scan# 515

Delta R.T. 0.018 min

Lab File: VY023909.D

Acq: 09 Dec 2025 15:30

Instrument :

MSVOA_Y

ClientSampleId :

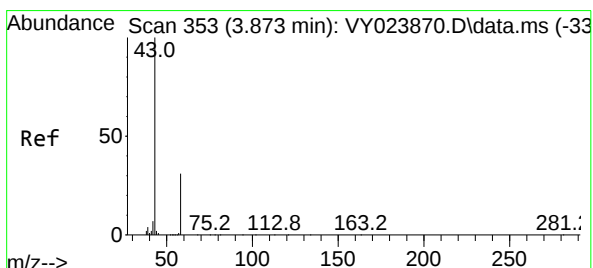
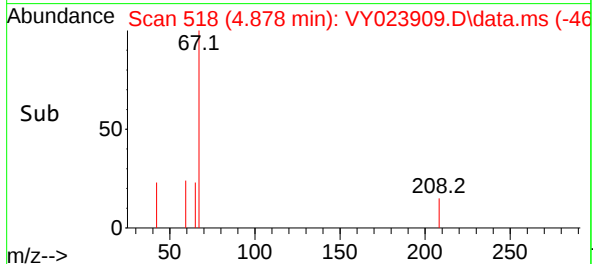
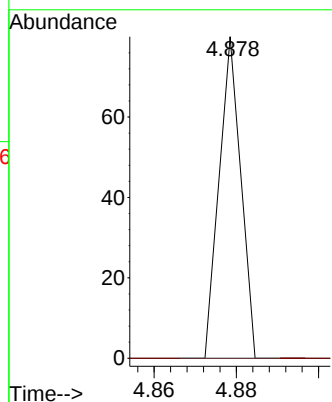
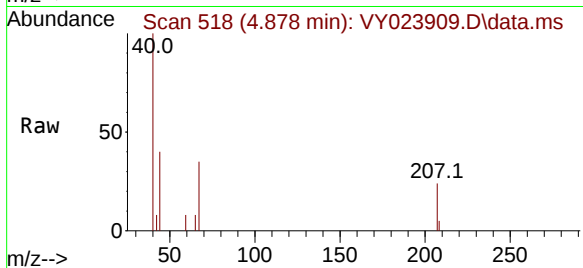
RBR-200059-VOC

Tgt Ion: 59 Resp: 29

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 2.613 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.012 min

Lab File: VY023909.D

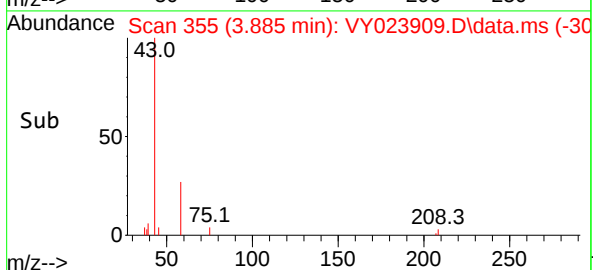
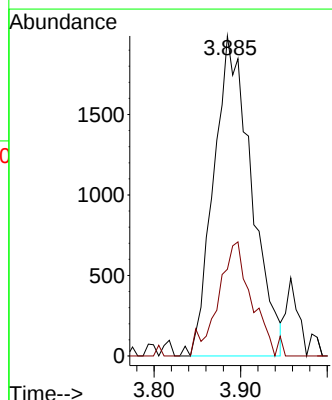
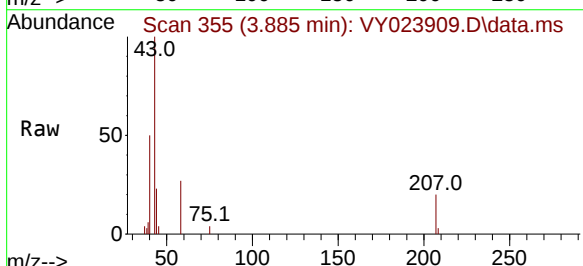
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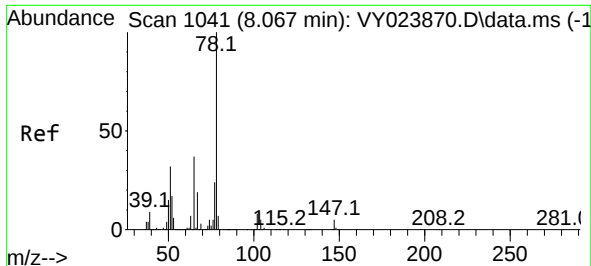
Tgt Ion: 43 Resp: 6010

Ion Ratio Lower Upper

43 100

58 27.1 25.1 37.7





#33

1,2-Dichloroethane-d4

Concen: 47.218 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023909.D

Acq: 09 Dec 2025 15:30

Instrument :

MSVOA_Y

ClientSampleId :

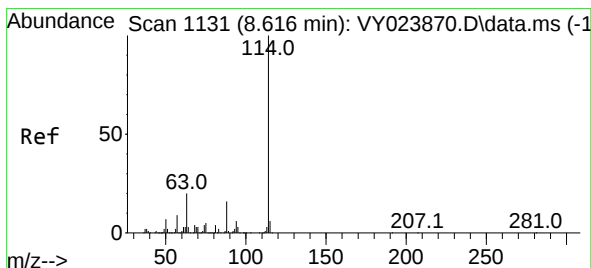
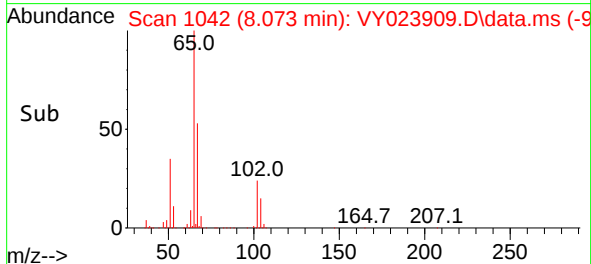
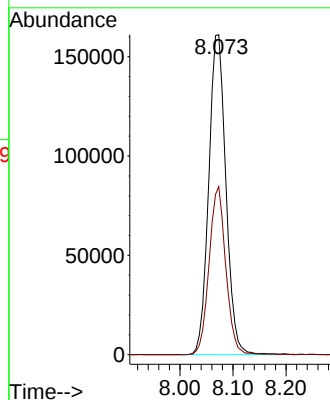
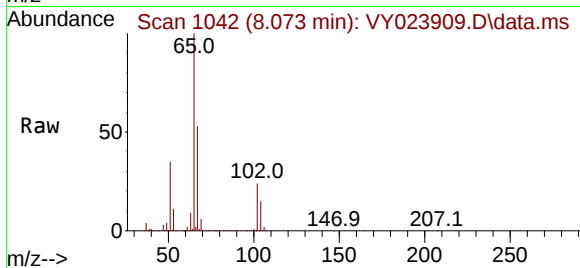
RBR-200059-VOC

Tgt Ion: 65 Resp: 362462

Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023909.D

Acq: 09 Dec 2025 15:30

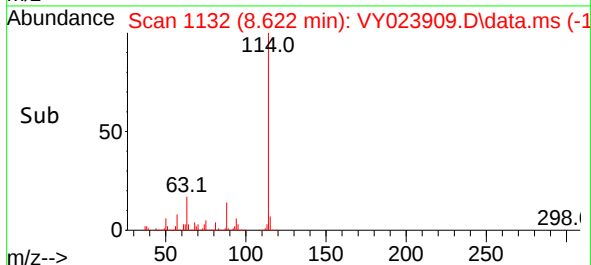
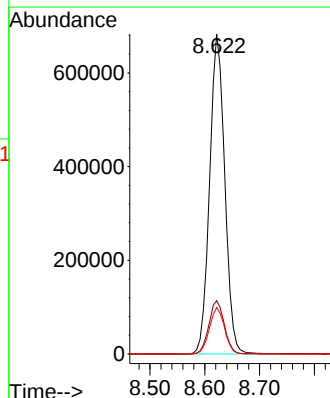
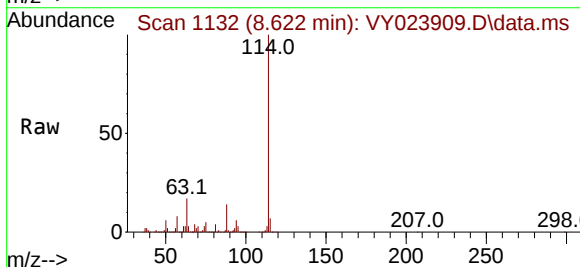
Tgt Ion: 114 Resp: 1305014

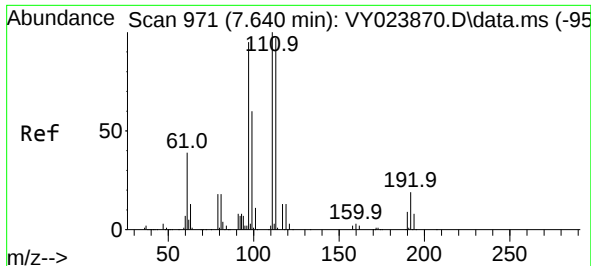
Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.2

88 14.5 0.0 31.4

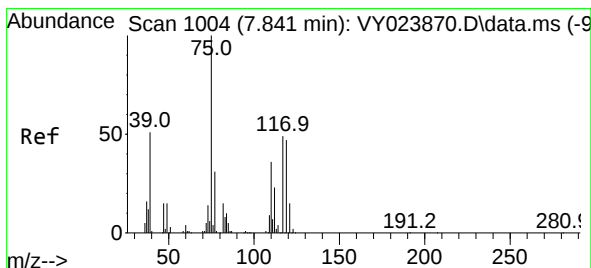
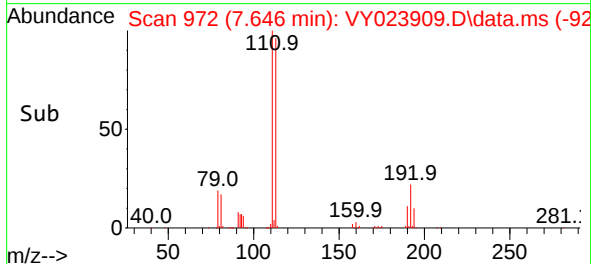
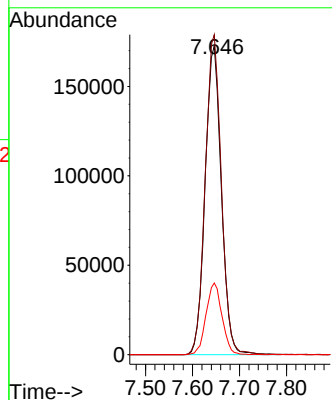
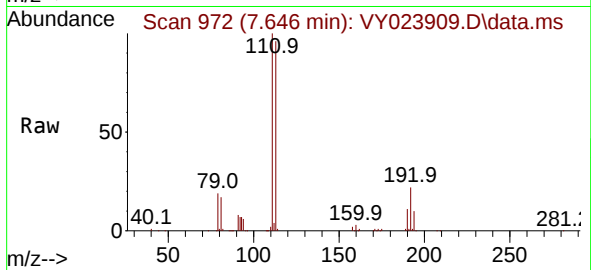




#35
Dibromofluoromethane
Concen: 49.332 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

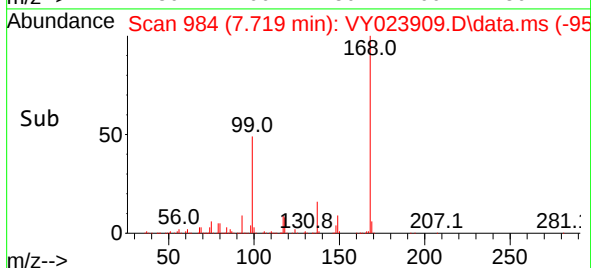
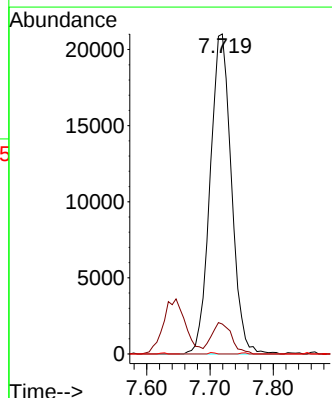
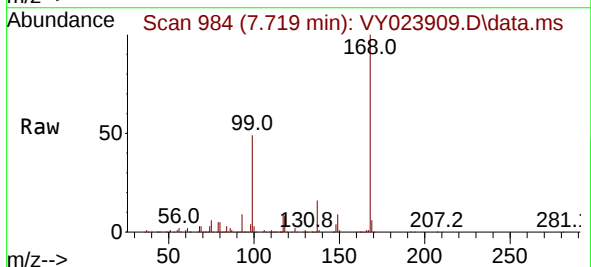
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059-VOC

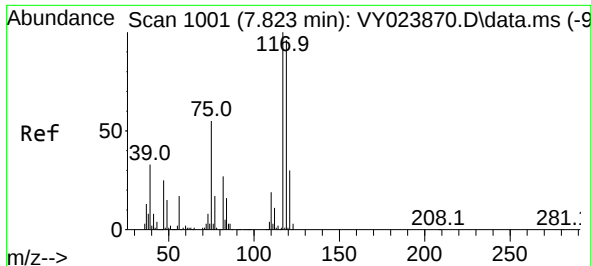
Tgt Ion:113 Resp: 412908
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 22.8 15.8 23.8



#36
1,1-Dichloropropene
Concen: 3.972 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion: 75 Resp: 49024
Ion Ratio Lower Upper
75 100
110 9.2 17.6 52.9#
77 0.1 24.6 37.0#

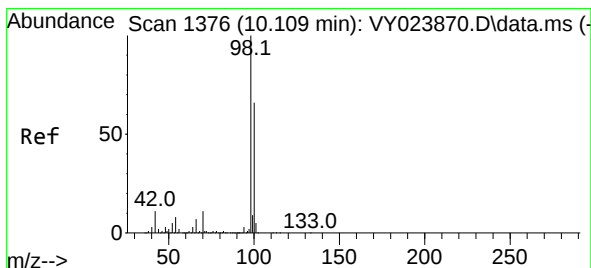
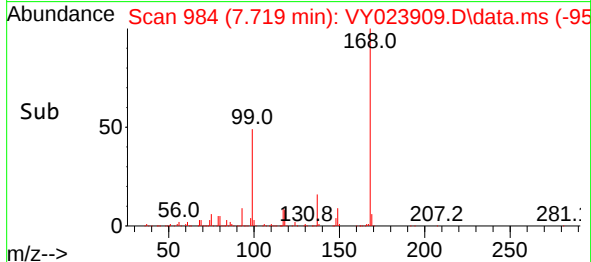
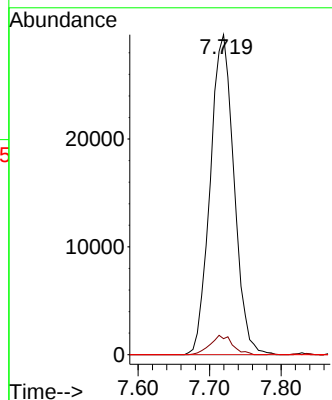
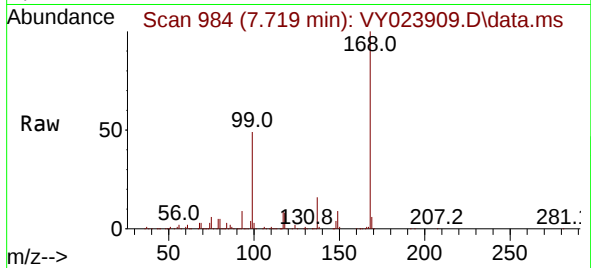




#38
Carbon Tetrachloride
Concen: 5.039 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

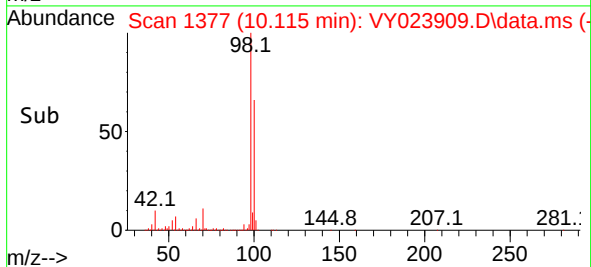
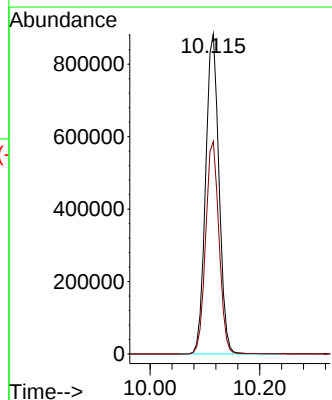
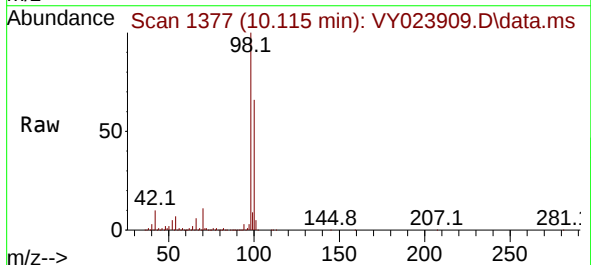
Instrument :
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ClientSampleId :
RBR-200059-VOC

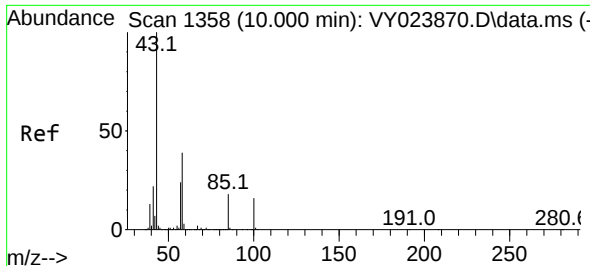
Tgt Ion:117 Resp: 68638
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.6#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 45.733 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion: 98 Resp: 1489561
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7

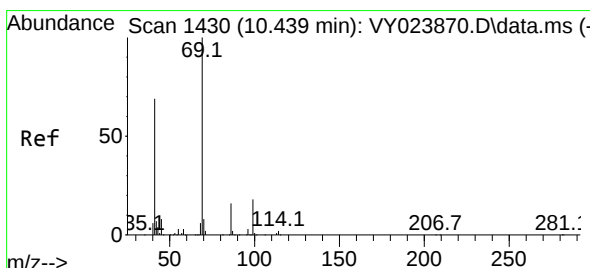
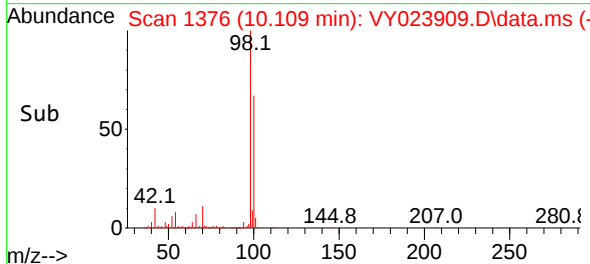
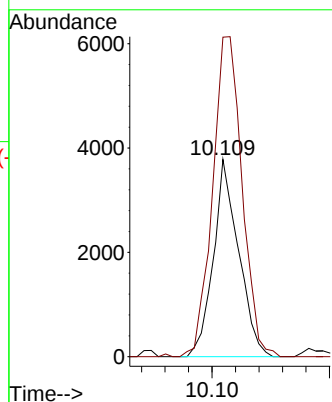
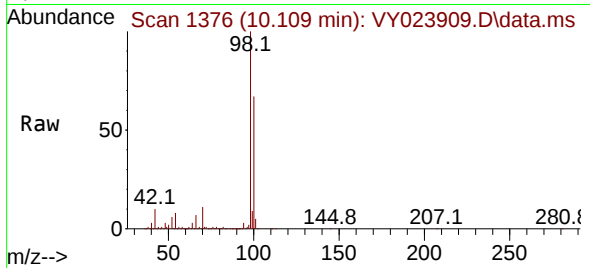




#51
4-Methyl-2-Pentanone
Concen: 1.005 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

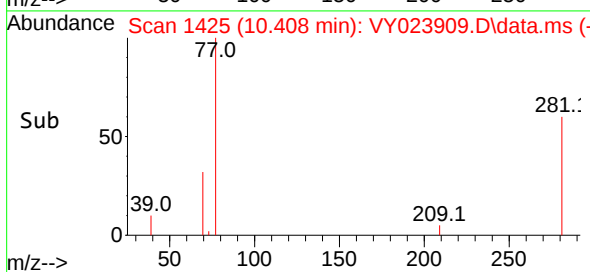
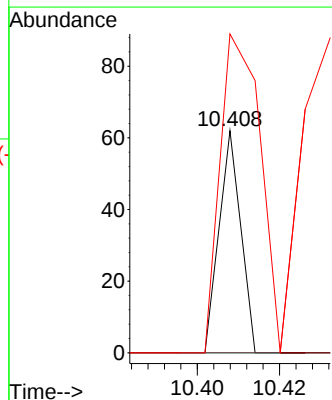
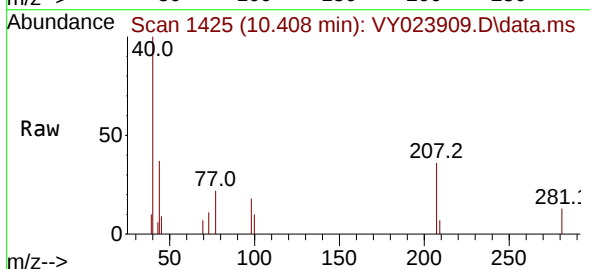
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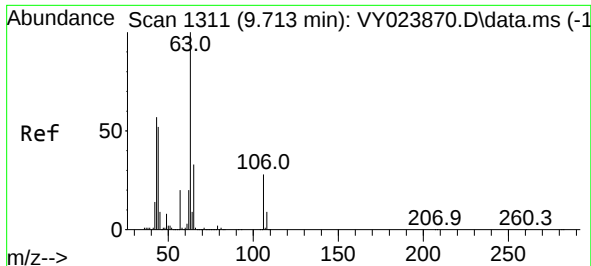
Tgt Ion: 43 Resp: 5637
Ion Ratio Lower Upper
43 100
58 189.4 31.8 47.8#



#56
Ethyl methacrylate
Concen: 4.153 ug/l
RT: 10.408 min Scan# 1425
Delta R.T. -0.031 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion: 69 Resp: 23
Ion Ratio Lower Upper
69 100
41 0.0 52.5 78.7#
39 260.9 27.1 40.7#

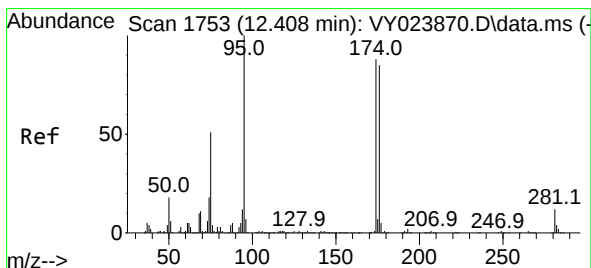
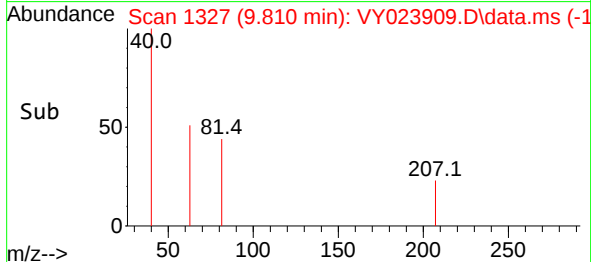
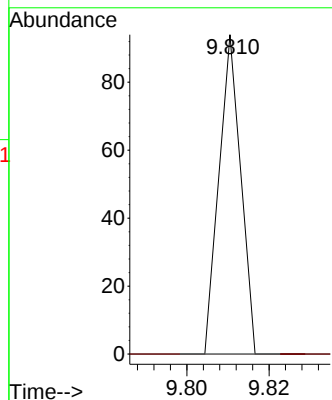
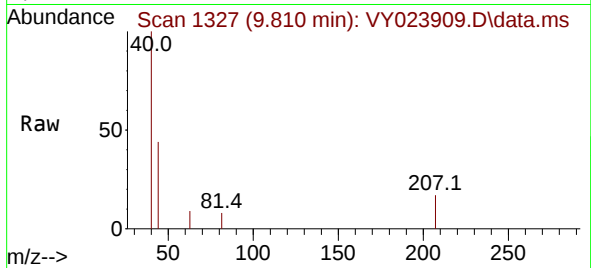




#58
2-Chloroethyl Vinyl ether
Concen: 14.725 ug/l
RT: 9.810 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

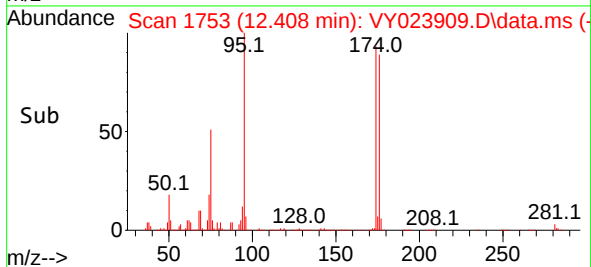
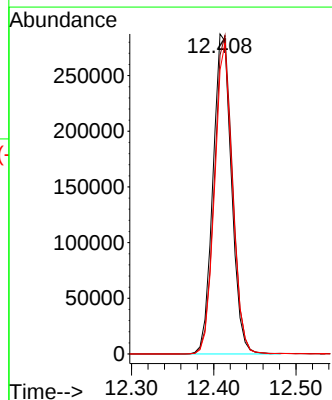
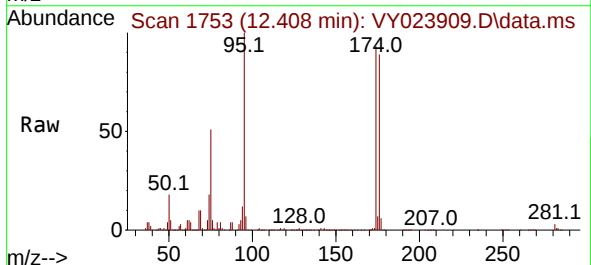
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059-VOC

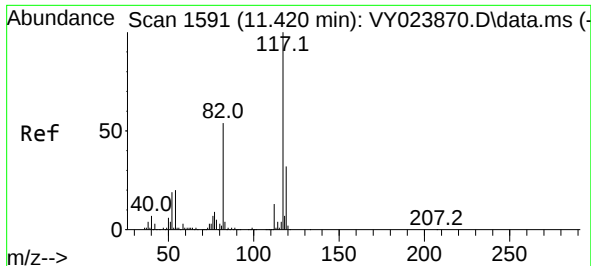
Tgt Ion: 63 Resp: 34
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 40.580 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion: 95 Resp: 450811
Ion Ratio Lower Upper
95 100
174 98.2 0.0 169.6
176 93.7 0.0 164.4

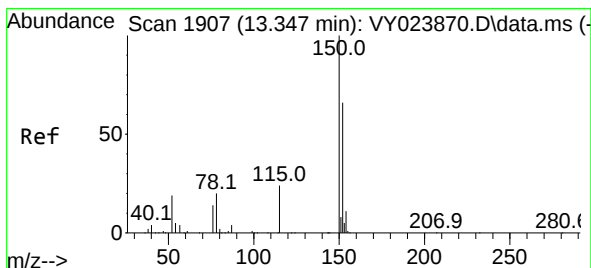
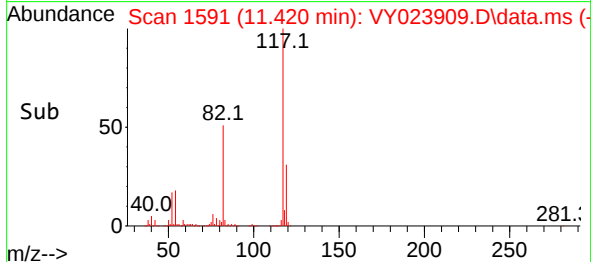
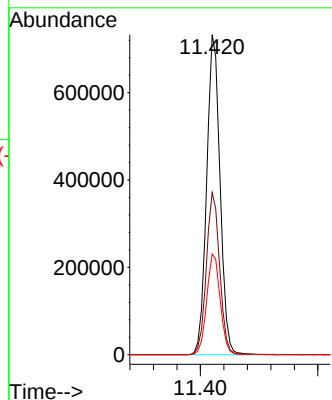
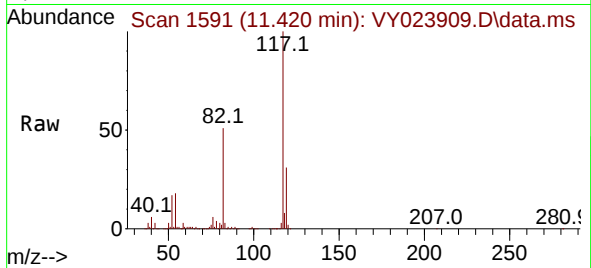




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

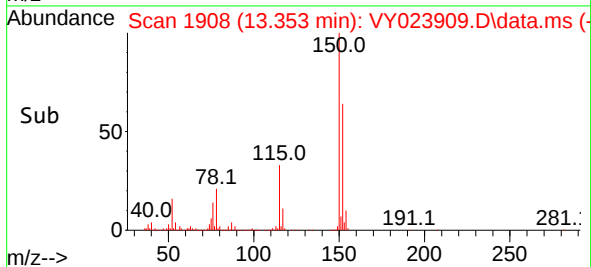
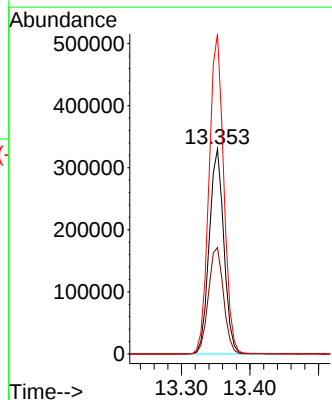
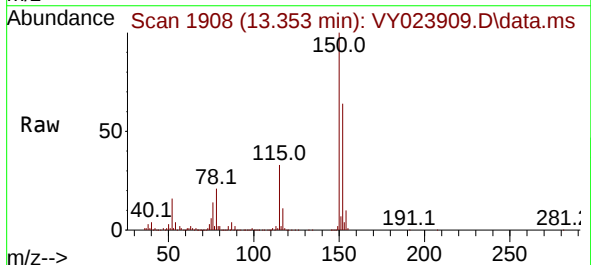
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059-VOC

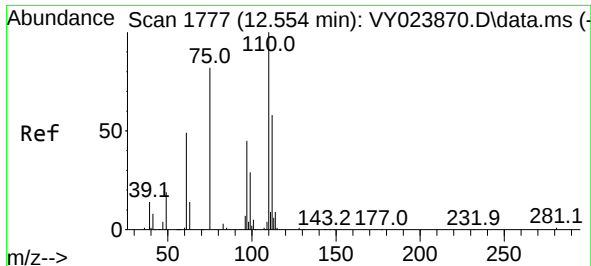
Tgt Ion:117 Resp: 1158137
Ion Ratio Lower Upper
117 100
82 50.7 43.1 64.7
119 31.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion:152 Resp: 490208
Ion Ratio Lower Upper
152 100
115 53.8 28.8 86.4
150 157.5 0.0 352.2

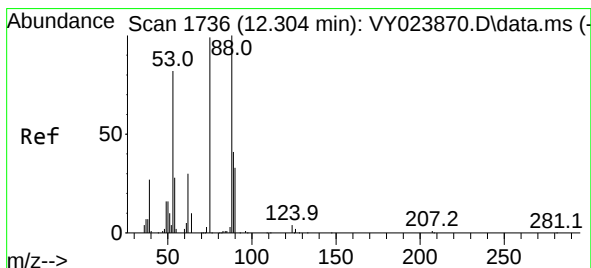
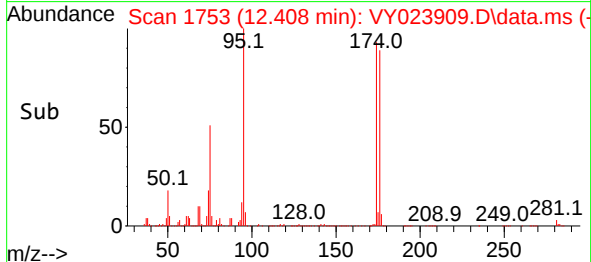
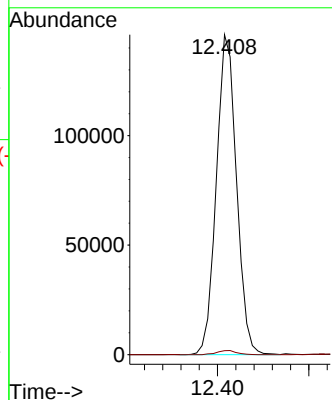
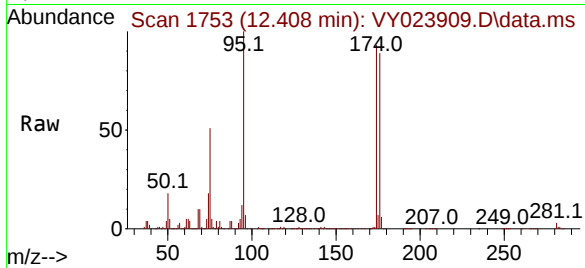




#76
1,2,3-Trichloropropane
Concen: 45.967 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059-VOC

Tgt Ion: 75 Resp: 223388
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.094 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion: 75 Resp: 223388
Ion Ratio Lower Upper
75 100
53 0.2 71.1 106.7#
89 0.1 36.3 54.5#

