

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021993.D
 Acq On : 24 Apr 2025 11:25
 Operator : SY/MD
 Sample : Q1867-01
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200059

Quant Time: Apr 25 01:23:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

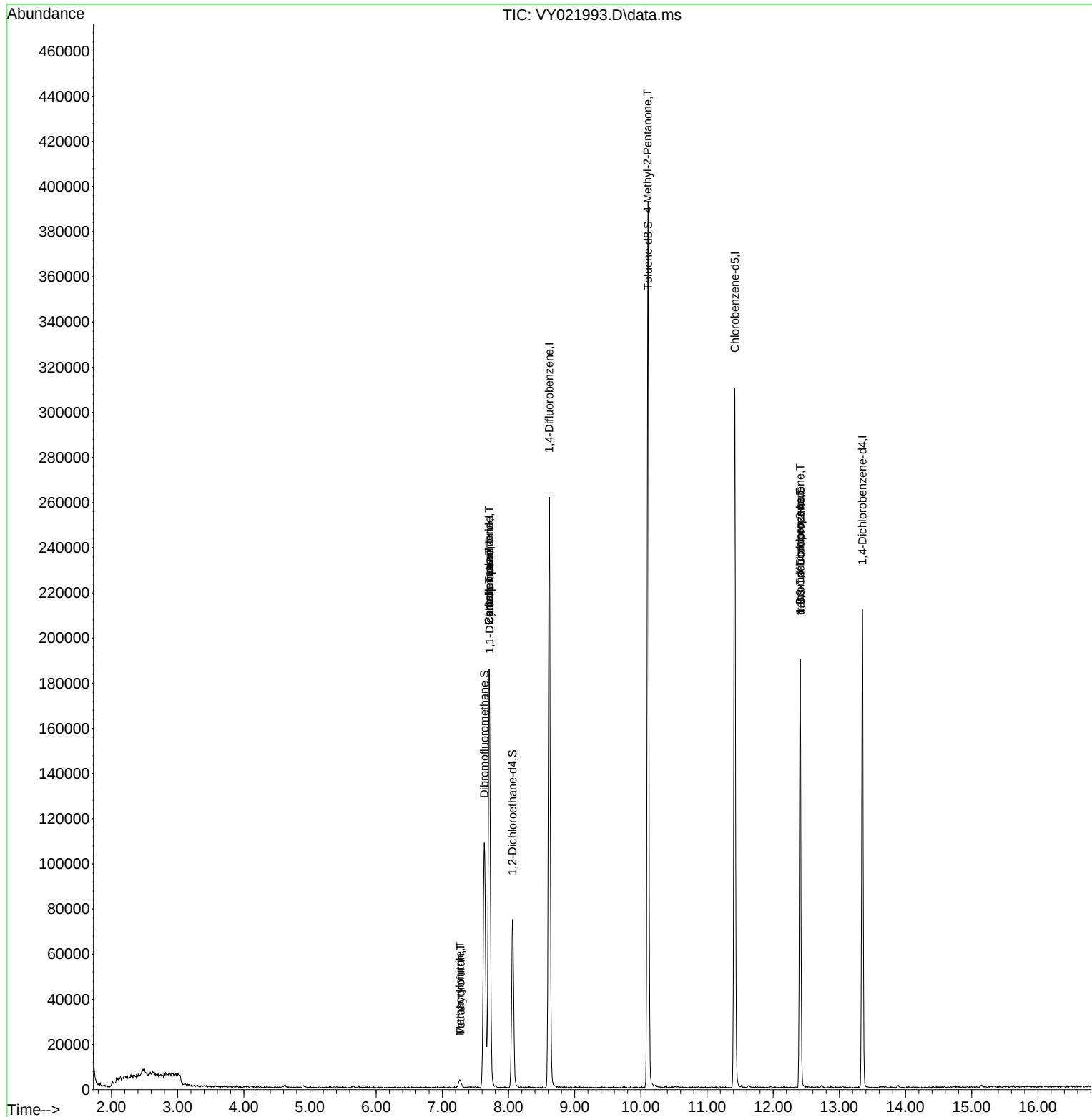
Internal Standards						
1) Pentafluorobenzene	7.707	168	144228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	226759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	179288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	55304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	58176	43.669	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.340%
35) Dibromofluoromethane	7.634	113	81101	54.136	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.280%
50) Toluene-d8	10.109	98	268735	47.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.408	95	57345	30.161	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.320%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	326	Below Cal	#	41
29) Tetrahydrofuran	7.274	42	2486	12.605	ug/l	96
31) Cyclohexane	7.707	56	2914	1.323	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	10475	5.205	ug/l #	49
38) Carbon Tetrachloride	7.707	117	14404	5.990	ug/l #	17
41) Methacrylonitrile	7.262	41	1792	4.536	ug/l #	34
51) 4-Methyl-2-Pentanone	10.103	43	935	1.285	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	28920	61.051	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	28920	147.019	ug/l #	16

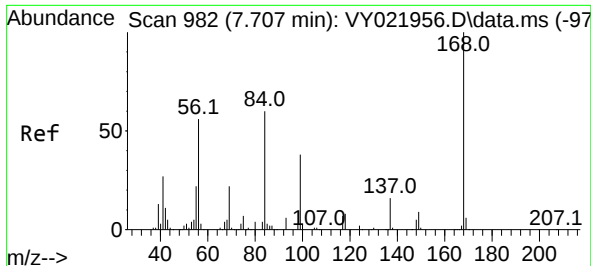
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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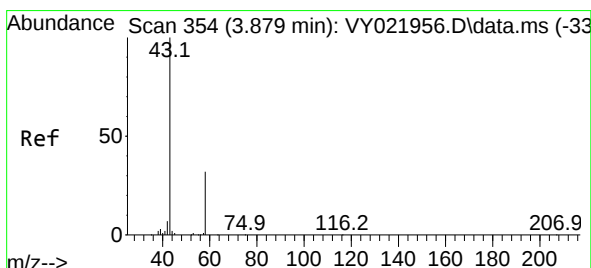
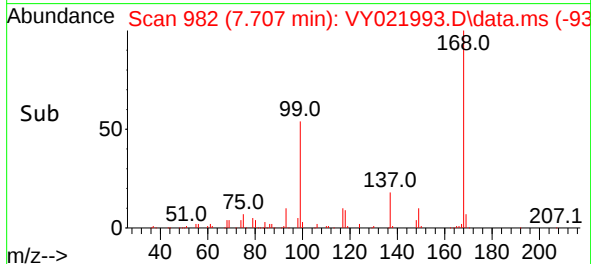
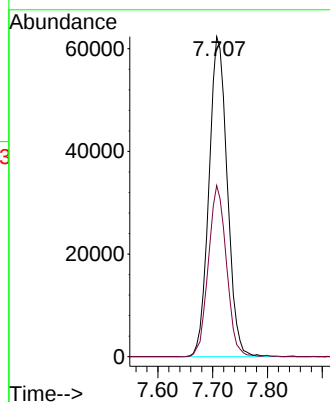
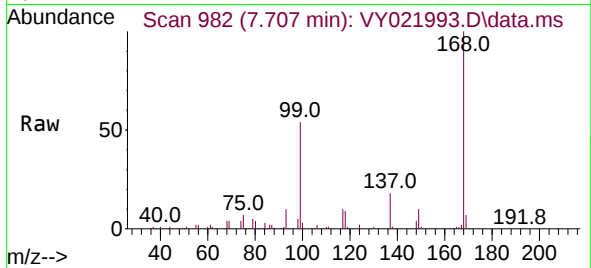




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

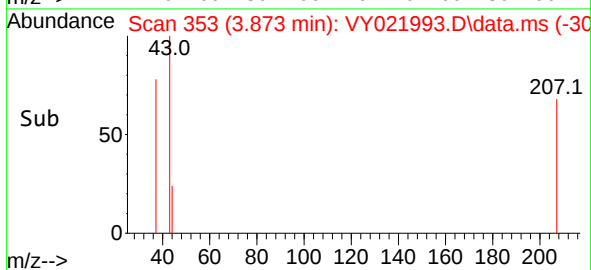
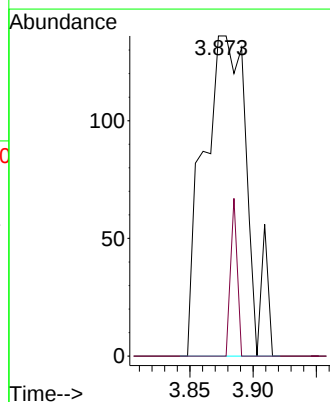
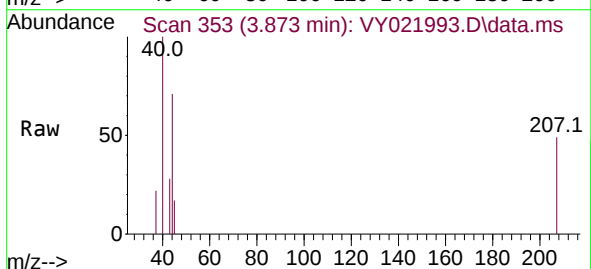
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

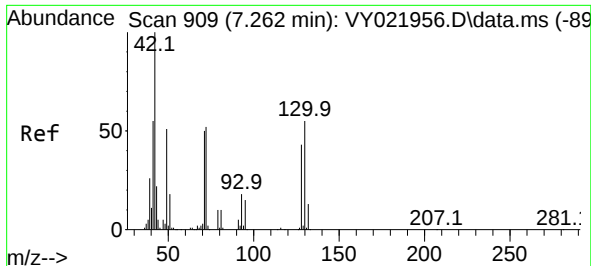
Tgt Ion:168 Resp: 144228
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

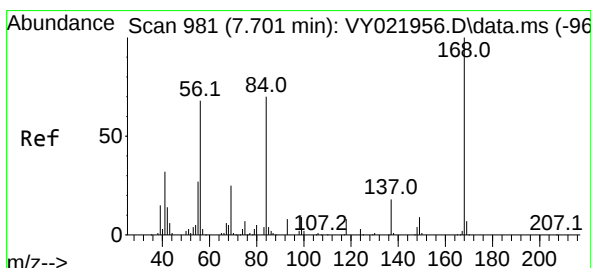
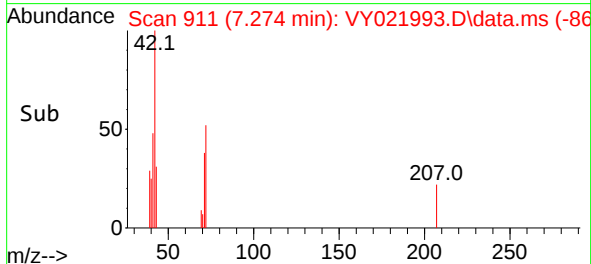
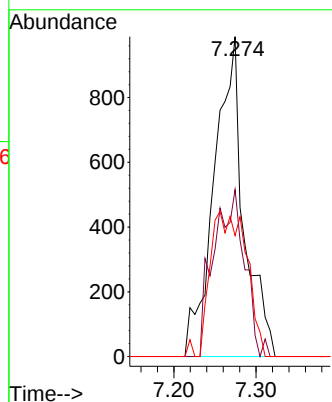
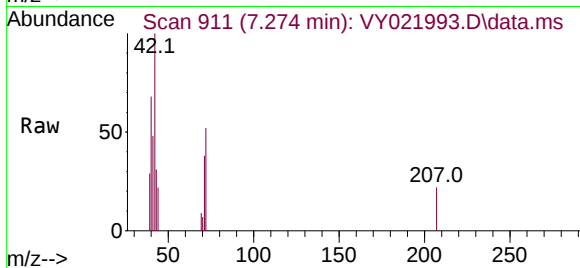




#29
Tetrahydrofuran
Concen: 12.605 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

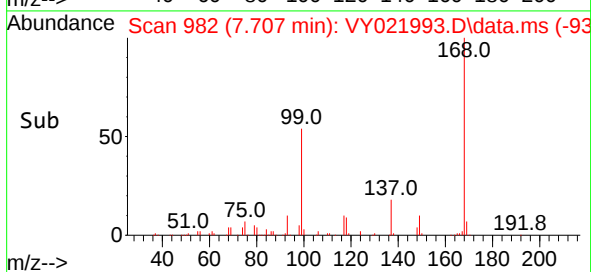
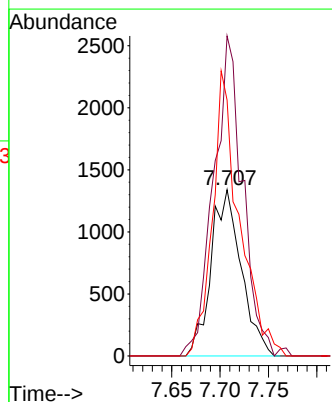
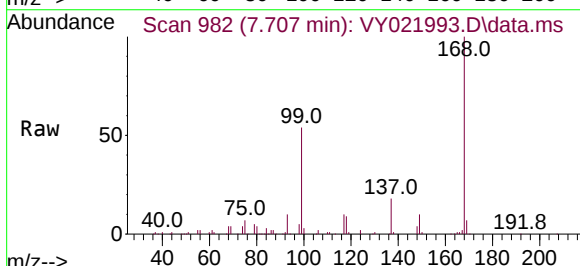
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

Tgt Ion:	42	Resp:	2486
Ion	Ratio	Lower	Upper
42	100		
72	54.3	42.6	63.8
71	55.7	40.6	61.0



#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion:	56	Resp:	2914
Ion	Ratio	Lower	Upper
56	100		
69	192.5	29.4	44.2#
84	153.9	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 43.669 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021993.D

Acq: 24 Apr 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

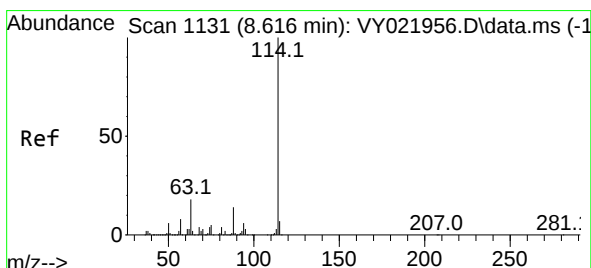
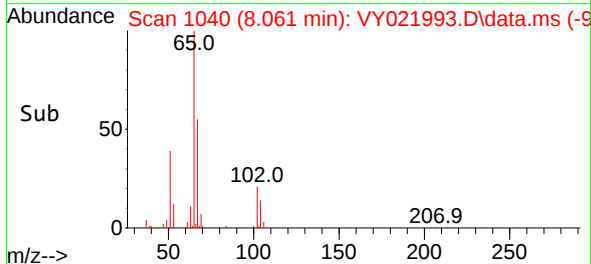
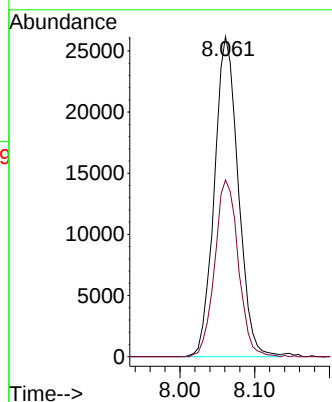
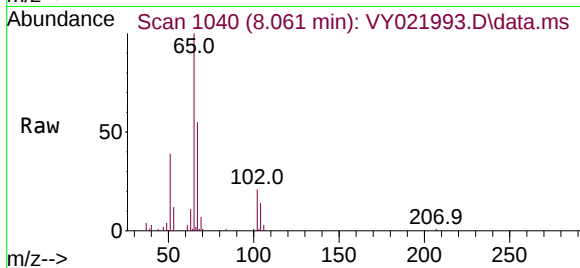
RBR200059

Tgt Ion: 65 Resp: 58176

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021993.D

Acq: 24 Apr 2025 11:25

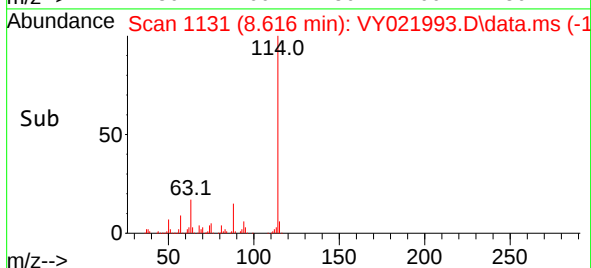
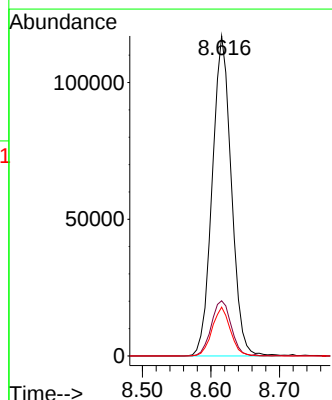
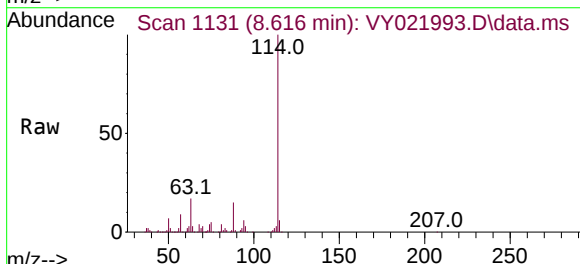
Tgt Ion: 114 Resp: 226759

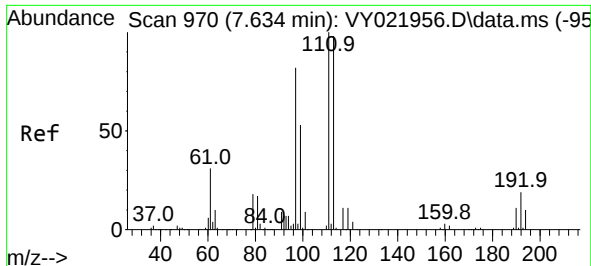
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

88 15.2 0.0 28.2

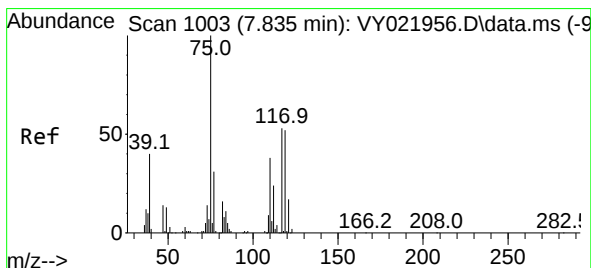
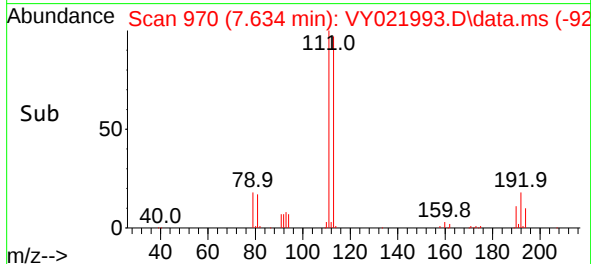
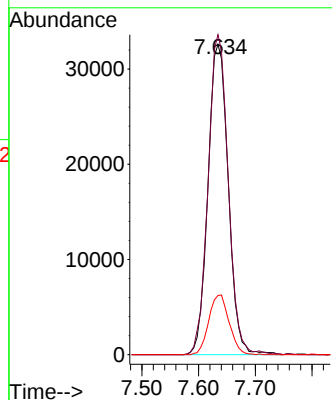
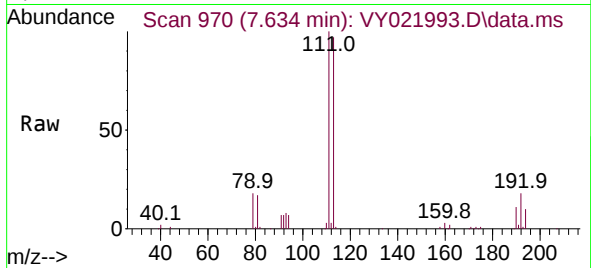




#35
Dibromofluoromethane
Concen: 54.136 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

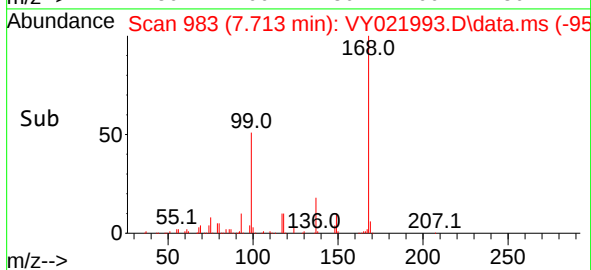
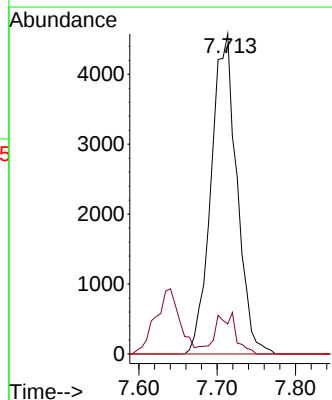
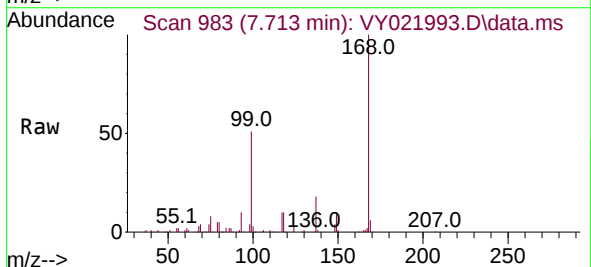
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

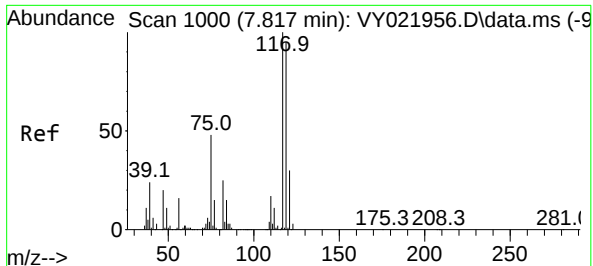
Tgt Ion:113 Resp: 81101
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 75 Resp: 10475
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.5 38.3#

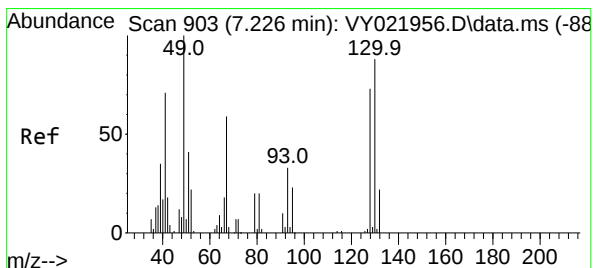
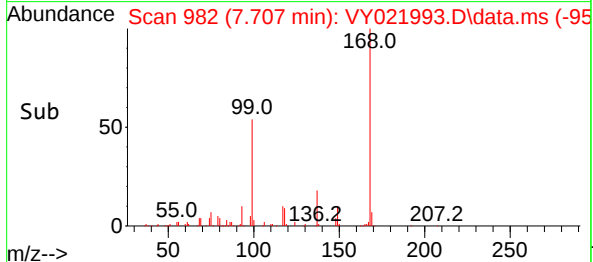
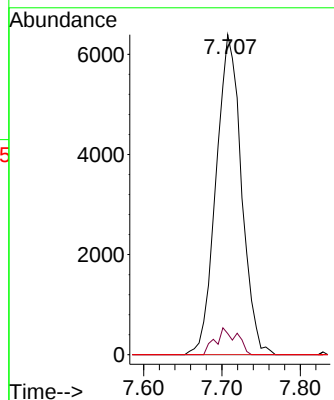
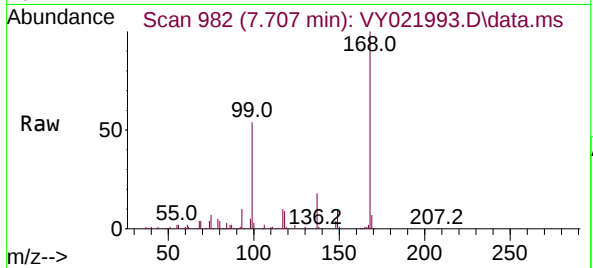




#38
Carbon Tetrachloride
Concen: 5.990 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

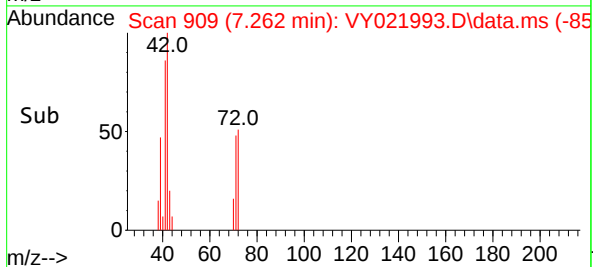
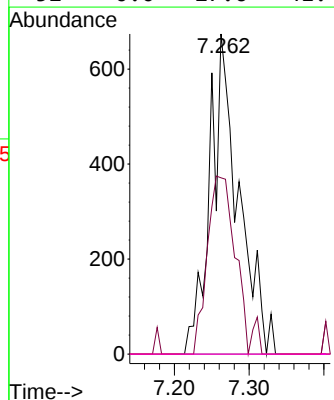
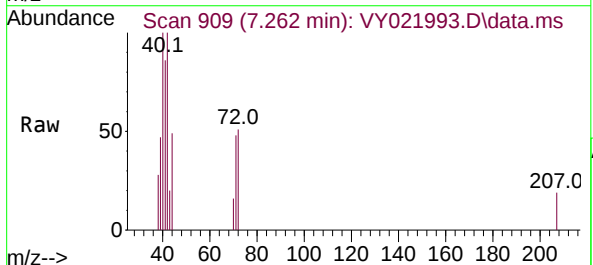
Instrument :
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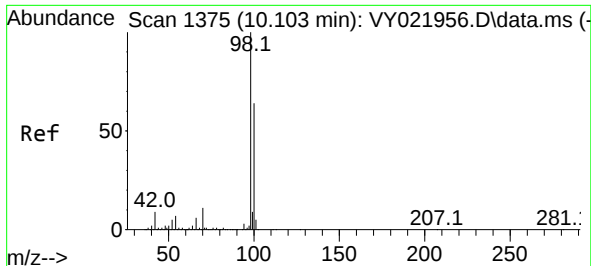
Tgt Ion: 117 Resp: 14404
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.4#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 4.536 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.037 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 41 Resp: 1792
Ion Ratio Lower Upper
41 100
39 53.6 36.6 55.0
67 0.0 72.2 108.4#
52 0.0 27.6 41.4#

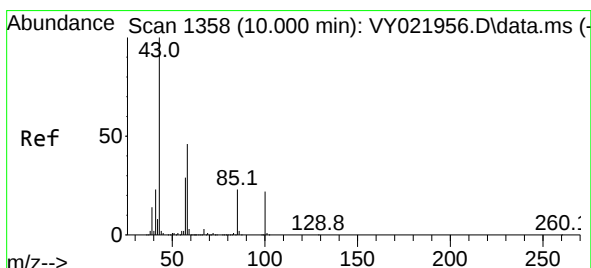
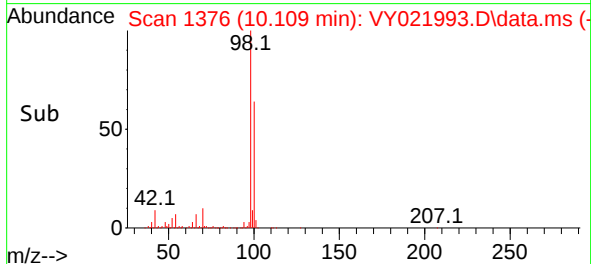
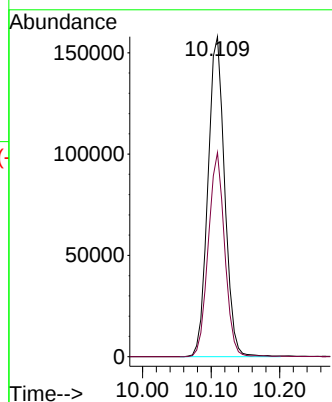
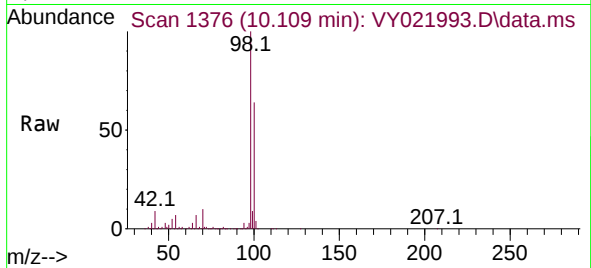




#50
Toluene-d8
Concen: 47.582 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

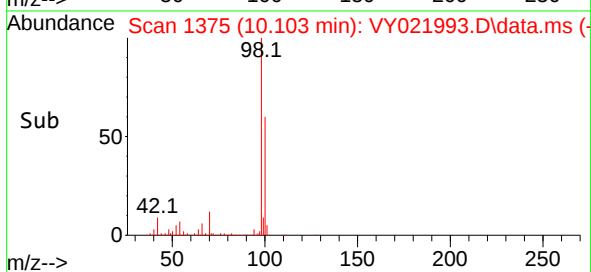
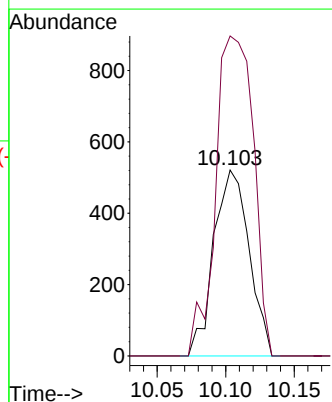
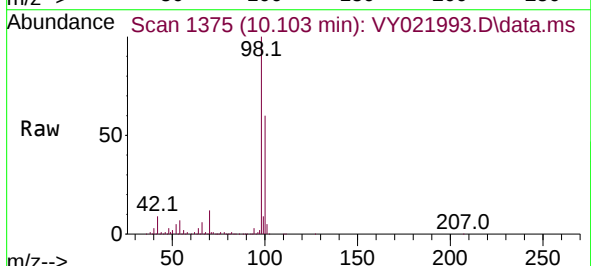
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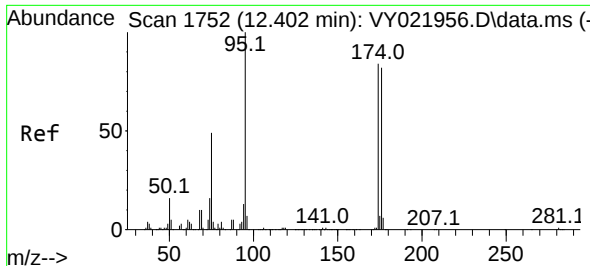
Tgt Ion: 98 Resp: 268735
Ion Ratio Lower Upper
98 100
100 62.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.285 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
58 184.6 36.6 55.0#

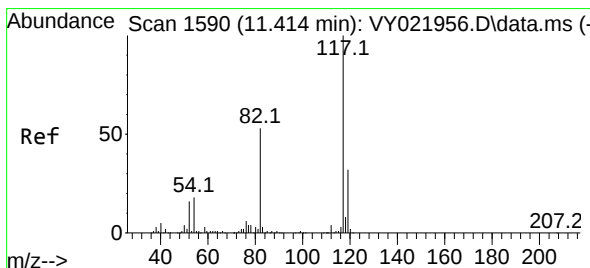
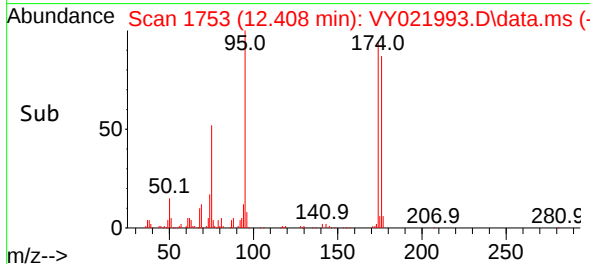
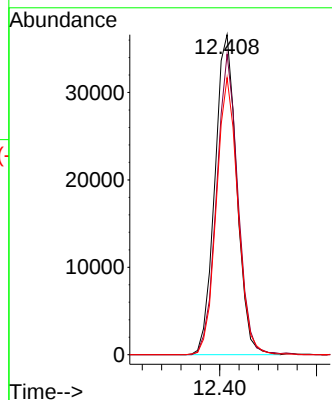
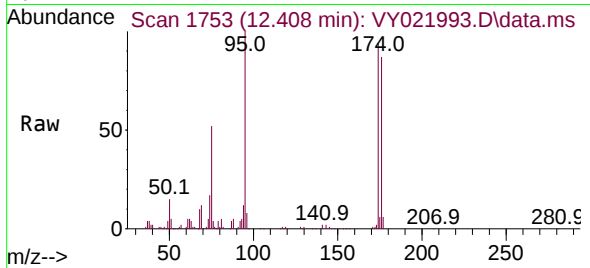




#62
4-Bromofluorobenzene
Concen: 30.161 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

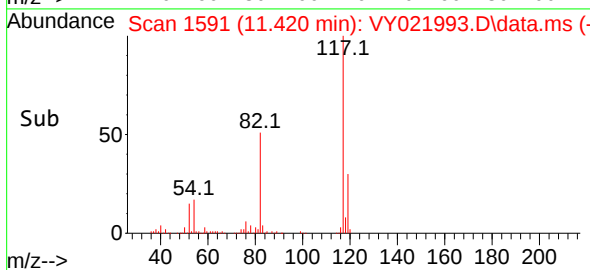
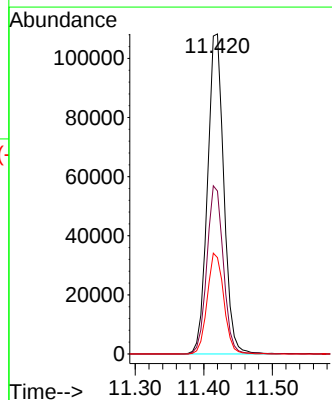
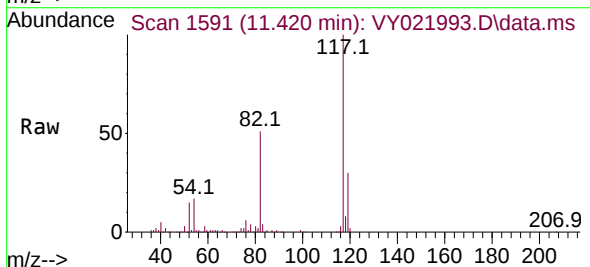
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

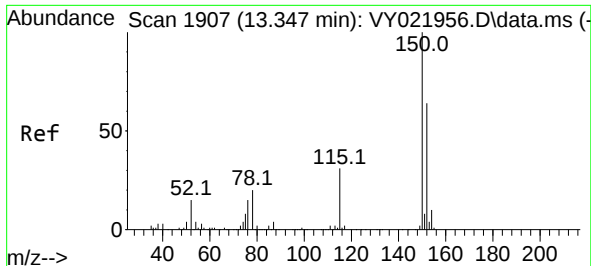
Tgt Ion: 95 Resp: 57345
Ion Ratio Lower Upper
95 100
174 91.6 0.0 179.0
176 85.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 117 Resp: 179288
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 30.1 25.7 38.5

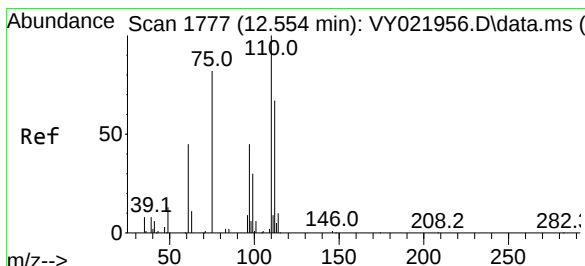
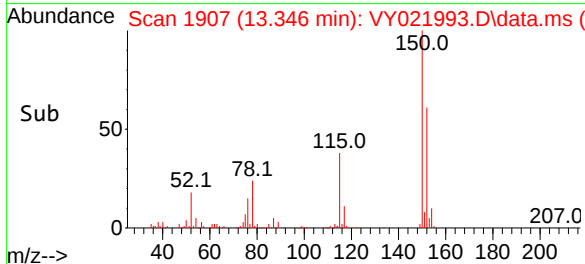
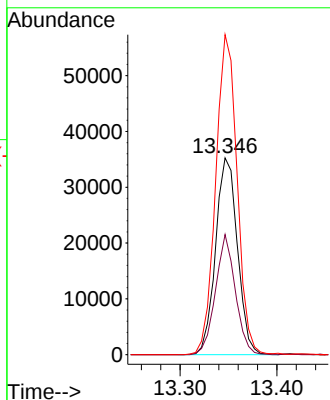
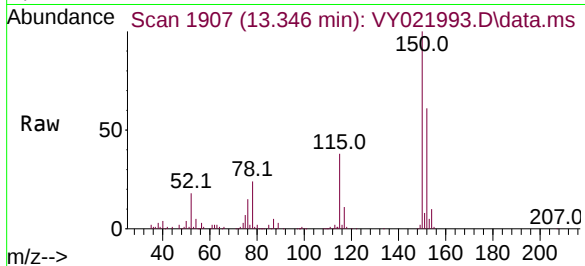




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021993.D
 Acq: 24 Apr 2025 11:25

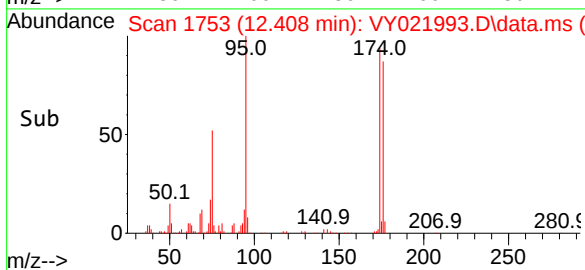
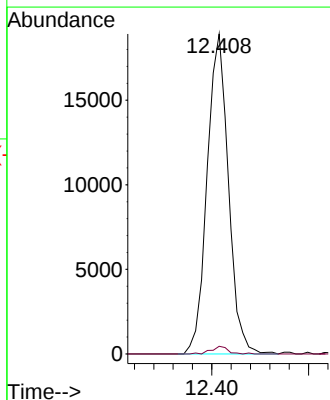
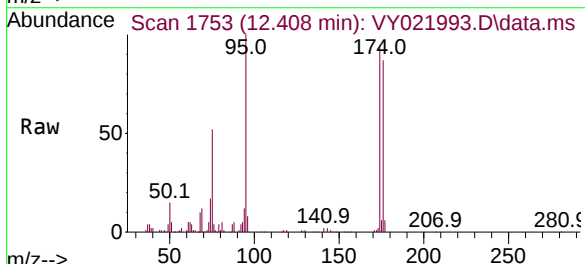
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200059

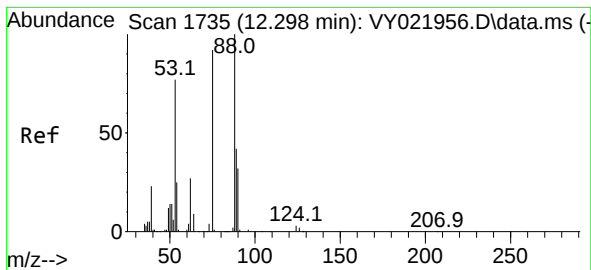
Tgt Ion:152 Resp: 55304
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.0 84.0
 150 159.4 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 61.051 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021993.D
 Acq: 24 Apr 2025 11:25

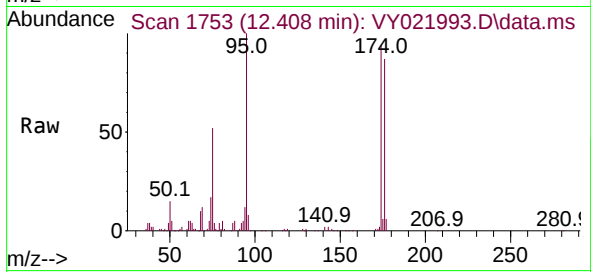
Tgt Ion: 75 Resp: 28920
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.019 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY021993.D
 Acq: 24 Apr 2025 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200059



Tgt Ion:	75	Resp:	28920
Ion	Ratio	Lower	Upper
75	100		
53	0.3	66.0	99.0#
89	0.0	37.2	55.8#

