

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121224\
 Data File : VY020594.D
 Acq On : 12 Dec 2024 12:21
 Operator : SY/MD
 Sample : P5239-03
 Misc : 4.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 13 05:42:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

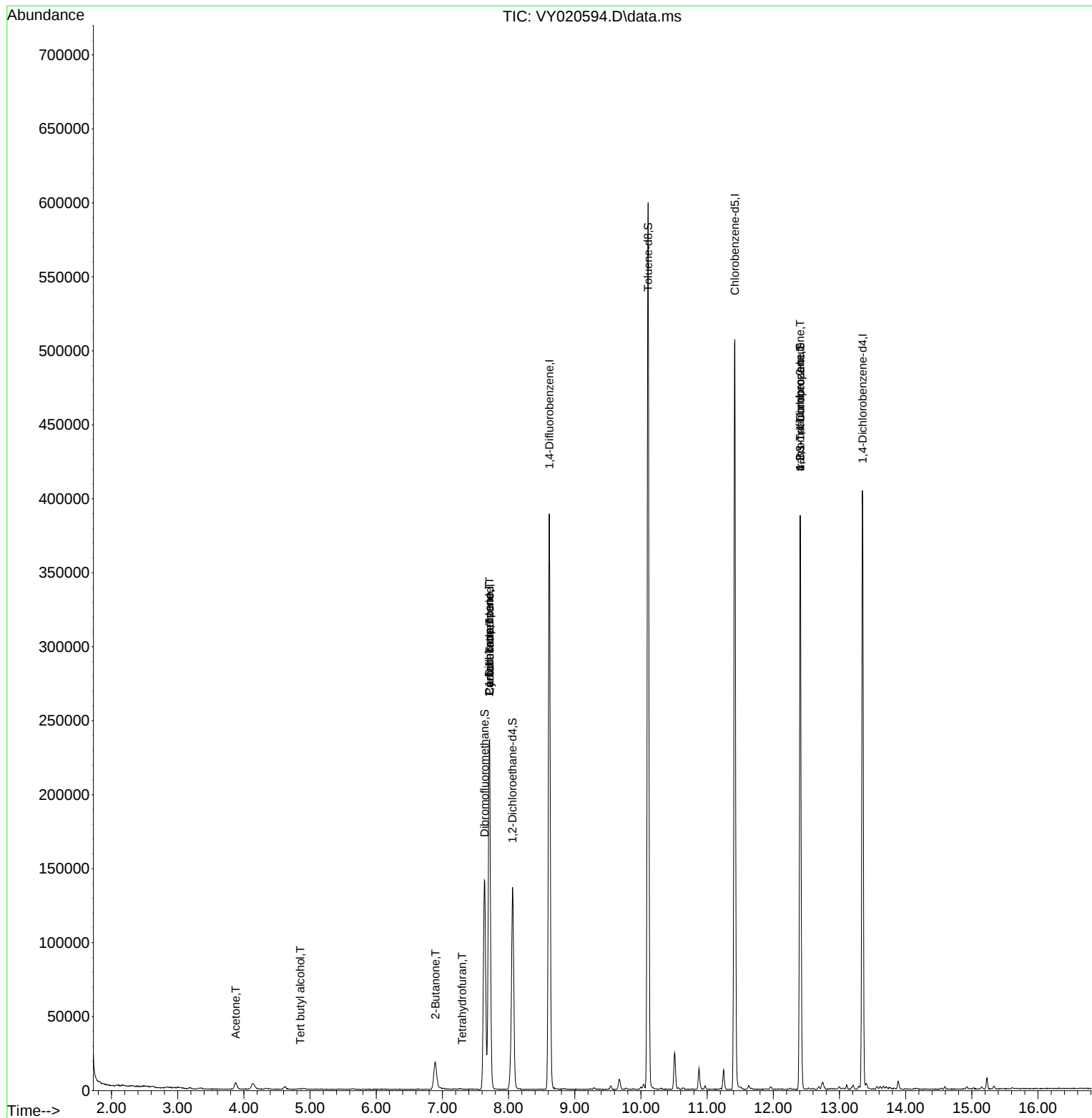
Internal Standards						
1) Pentafluorobenzene	7.713	168	184388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	320365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	268255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	101315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102467	54.642	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.280%			
35) Dibromofluoromethane	7.640	113	101831	50.490	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%			
50) Toluene-d8	10.109	98	390321	50.824	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.407	95	114049	42.461	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 84.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	703	5.779	ug/l #	81
16) Acetone	3.878	43	8268	17.732	ug/l	96
25) 2-Butanone	6.896	43	3229	5.484	ug/l	92
29) Tetrahydrofuran	7.299	42	536	1.596	ug/l #	41
31) Cyclohexane	7.713	56	4014	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	15124	4.441	ug/l #	51
38) Carbon Tetrachloride	7.713	117	19291	4.746	ug/l #	15
76) 1,2,3-Trichloropropane	12.407	75	61971	60.045	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	61971	123.203	ug/l #	9

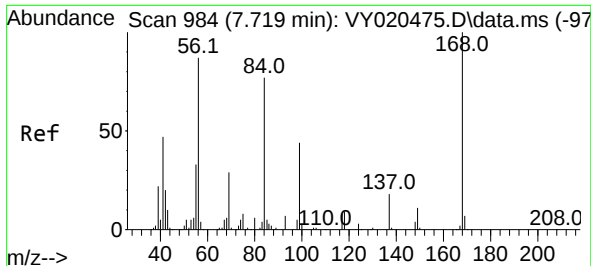
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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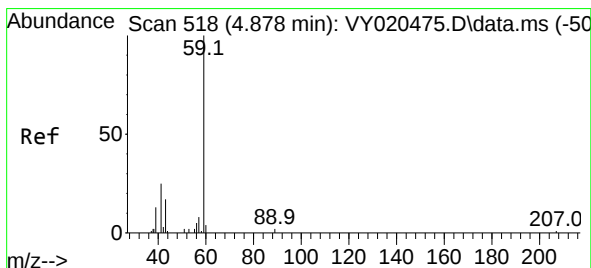
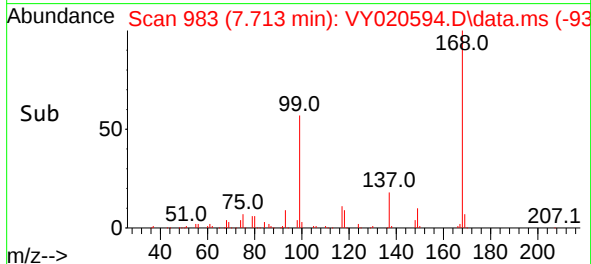
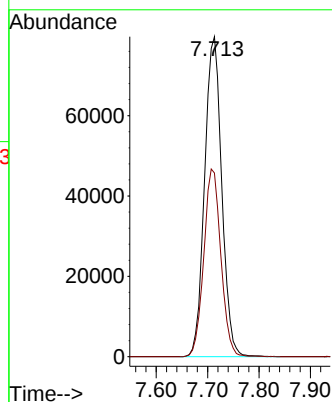
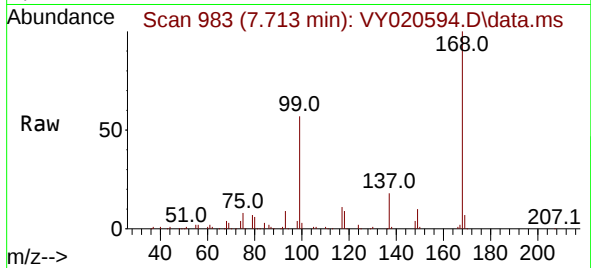




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020594.D
Acq: 12 Dec 2024 12:21

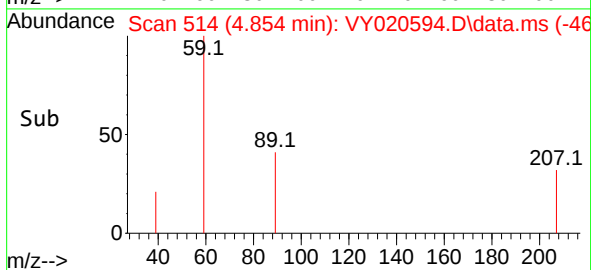
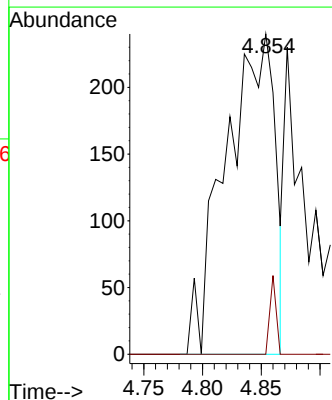
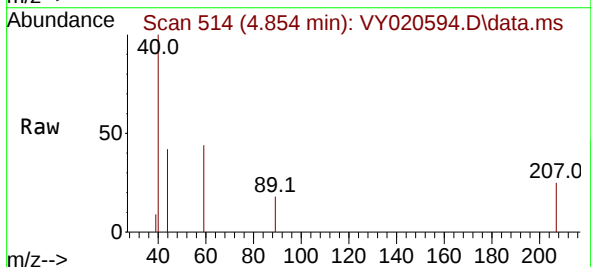
Instrument :
MSVOA_Y
ClientSampleId :

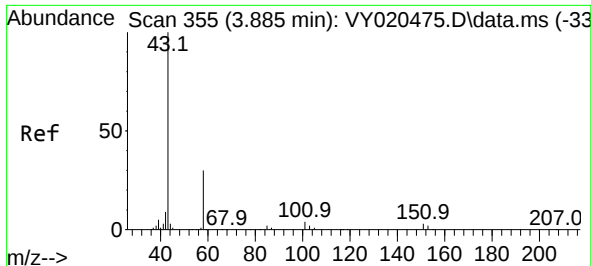
Tgt Ion:168 Resp: 184388
Ion Ratio Lower Upper
168 100
99 57.4 46.6 69.8



#11
Tert butyl alcohol
Concen: 5.779 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.025 min
Lab File: VY020594.D
Acq: 12 Dec 2024 12:21

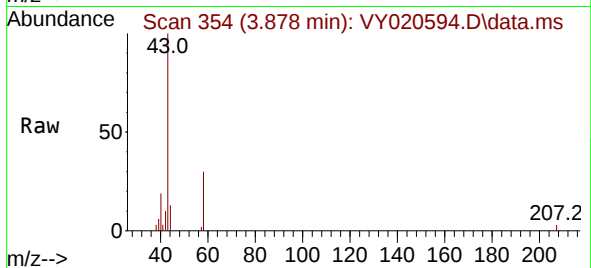
Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 3.1 8.2 12.2#



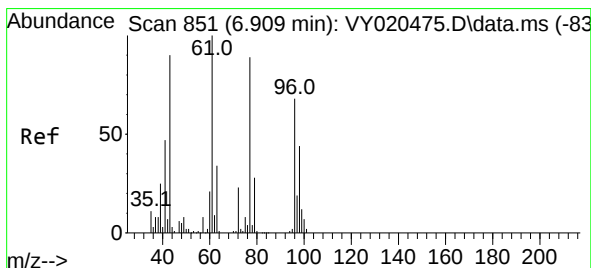
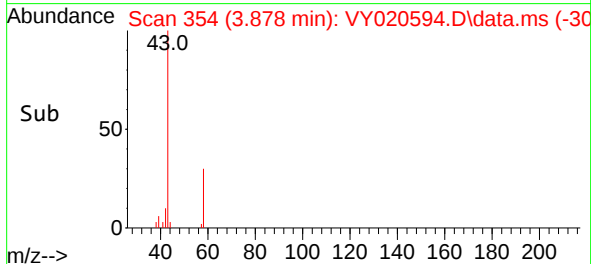
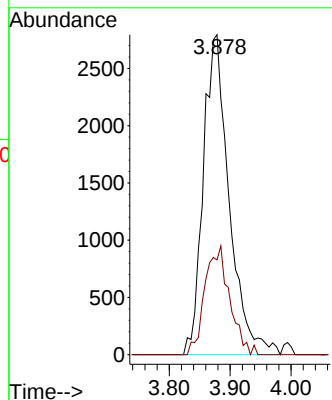


#16
Acetone
Concen: 17.732 ug/l
RT: 3.878 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY020594.D
Acq: 12 Dec 2024 12:21

Instrument :
MSVOA_Y
ClientSampleId :

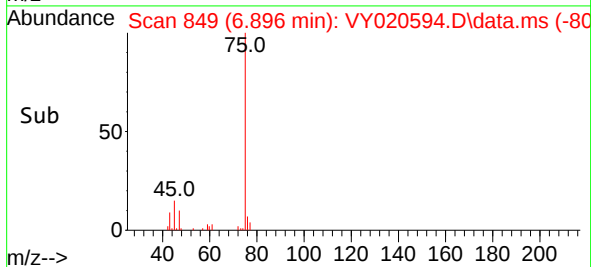
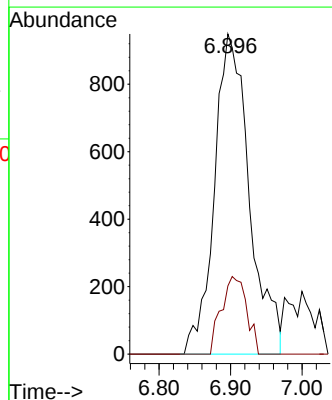
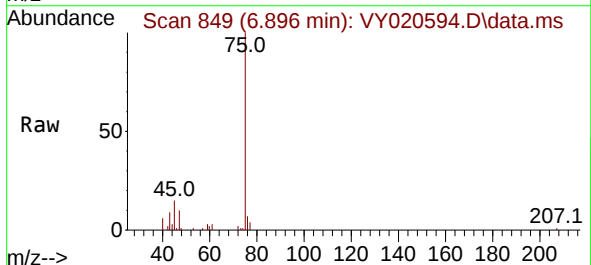


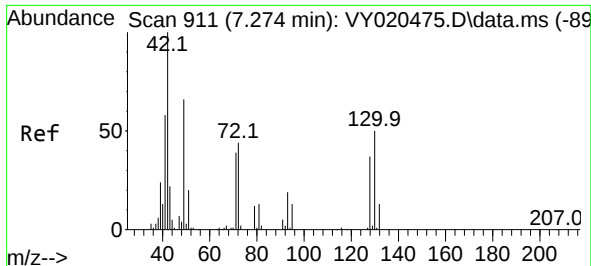
Tgt Ion: 43 Resp: 8268
Ion Ratio Lower Upper
43 100
58 29.6 25.7 38.5



#25
2-Butanone
Concen: 5.484 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY020594.D
Acq: 12 Dec 2024 12:21

Tgt Ion: 43 Resp: 3229
Ion Ratio Lower Upper
43 100
72 21.3 20.4 30.6





#29

Tetrahydrofuran

Concen: 1.596 ug/l

RT: 7.299 min Scan# 911

Delta R.T. 0.024 min

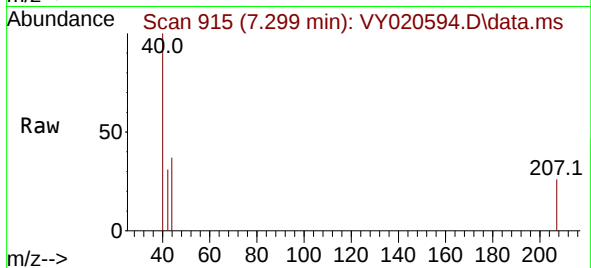
Lab File: VY020594.D

Acq: 12 Dec 2024 12:21

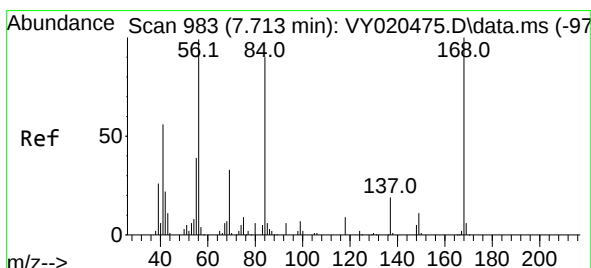
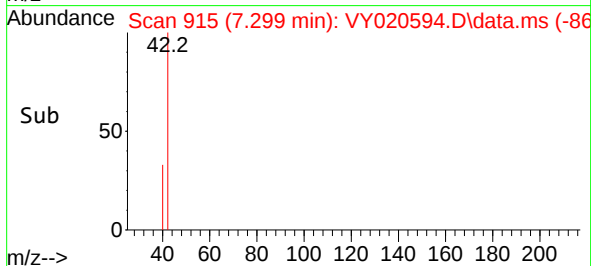
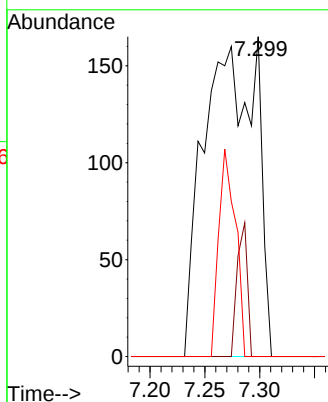
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	536
Ion	Ratio	Lower	Upper
42	100		
72	8.2	33.4	50.0#
71	0.0	31.9	47.9#



#31

Cyclohexane

Concen: 1.086 ug/l

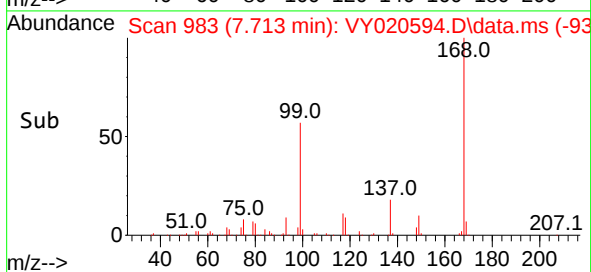
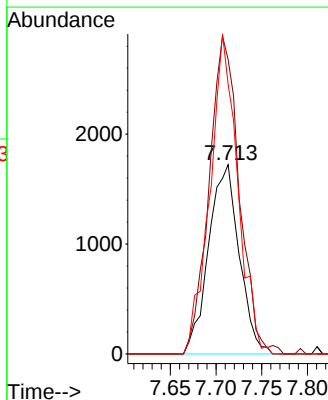
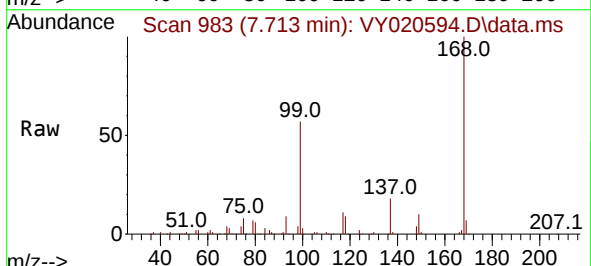
RT: 7.713 min Scan# 983

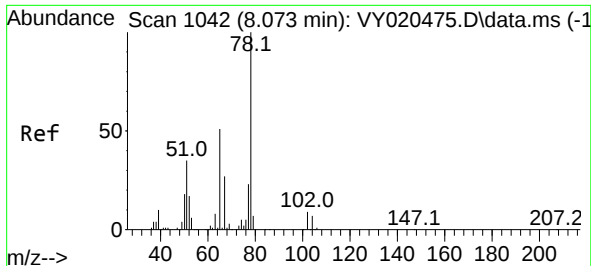
Delta R.T. -0.000 min

Lab File: VY020594.D

Acq: 12 Dec 2024 12:21

Tgt Ion:	56	Resp:	4014
Ion	Ratio	Lower	Upper
56	100		
69	155.5	25.3	37.9#
84	142.6	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 54.642 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY020594.D

Acq: 12 Dec 2024 12:21

Instrument :

MSVOA_Y

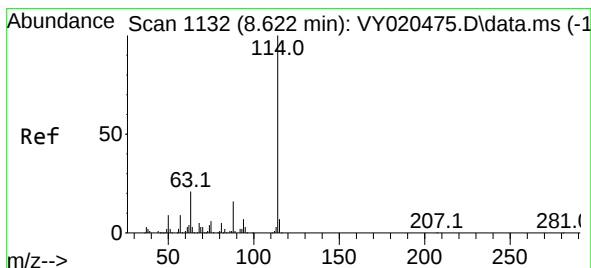
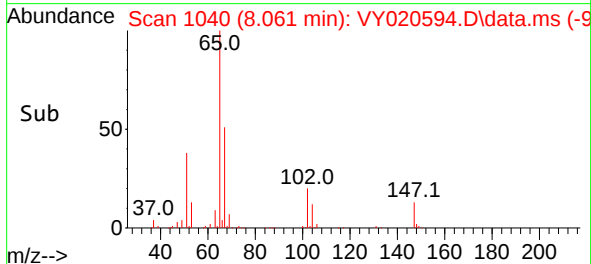
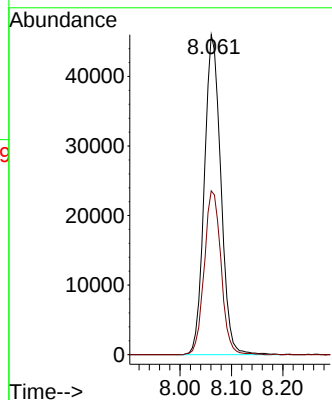
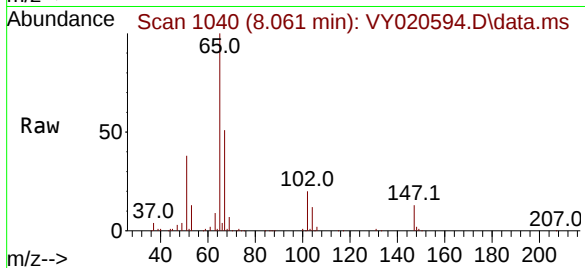
ClientSampleId :

Tgt Ion: 65 Resp: 102467

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020594.D

Acq: 12 Dec 2024 12:21

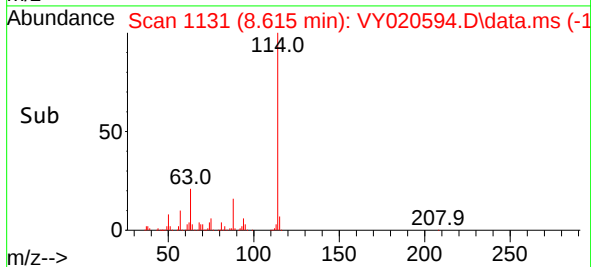
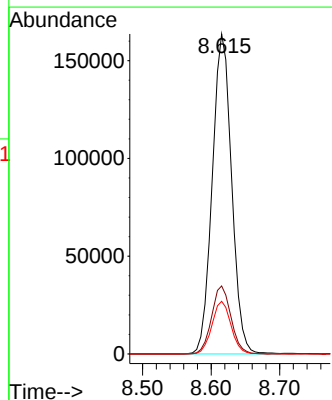
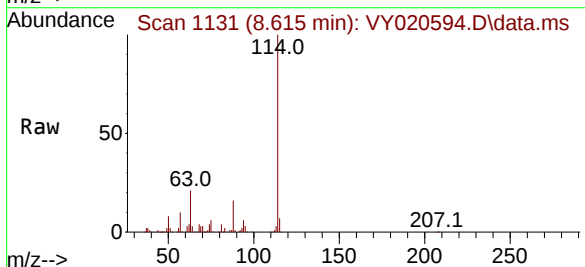
Tgt Ion: 114 Resp: 320365

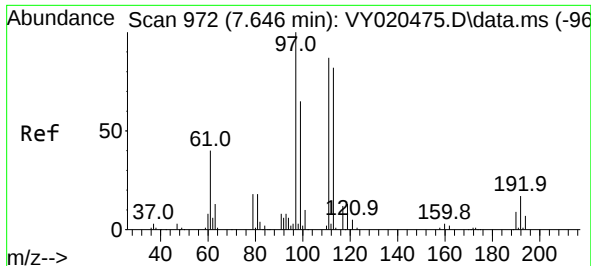
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.8

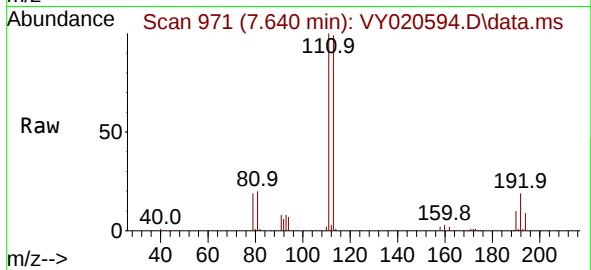
88 16.4 0.0 32.0



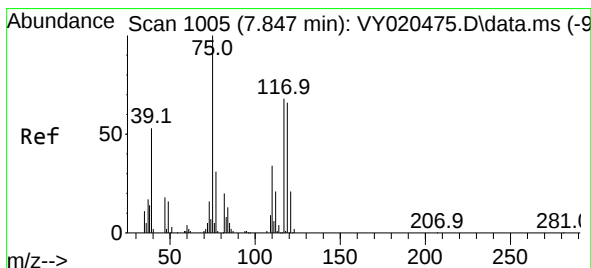
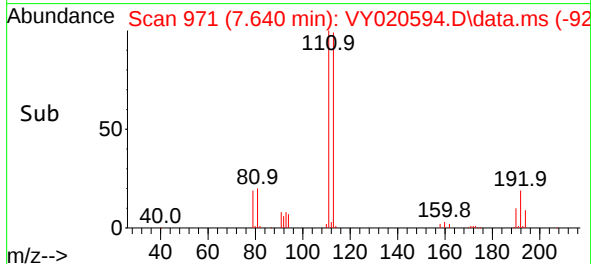
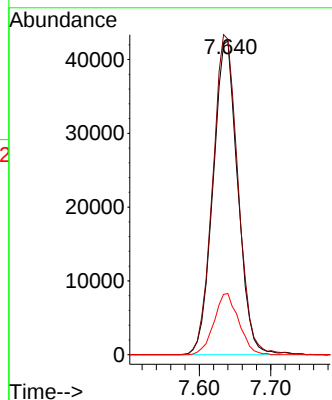


#35
Dibromofluoromethane
Concen: 50.490 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020594.D
Acq: 12 Dec 2024 12:21

Instrument :
MSVOA_Y
ClientSampleId :

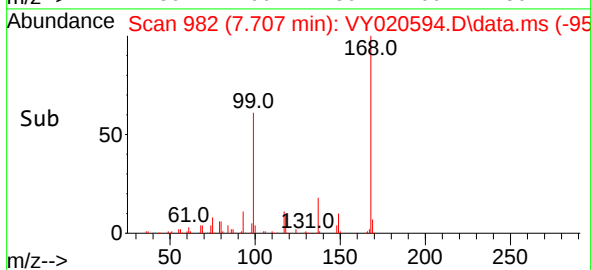
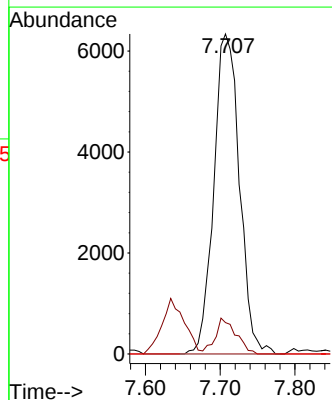
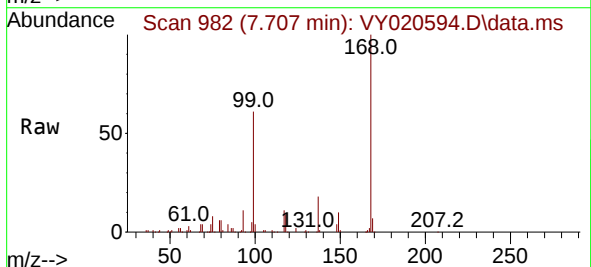


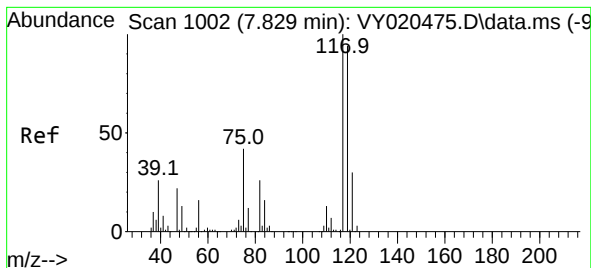
Tgt Ion:113 Resp: 101831
Ion Ratio Lower Upper
113 100
111 104.6 81.4 122.0
192 19.5 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.441 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.140 min
Lab File: VY020594.D
Acq: 12 Dec 2024 12:21

Tgt Ion: 75 Resp: 15124
Ion Ratio Lower Upper
75 100
110 9.0 16.7 50.0#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.746 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.116 min

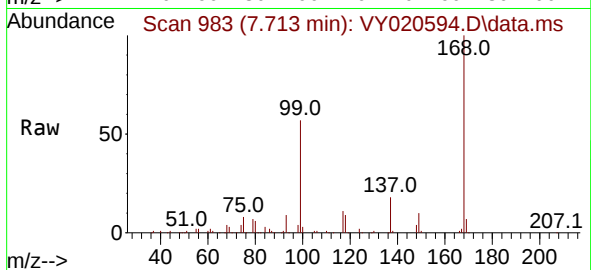
Lab File: VY020594.D

Acq: 12 Dec 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :



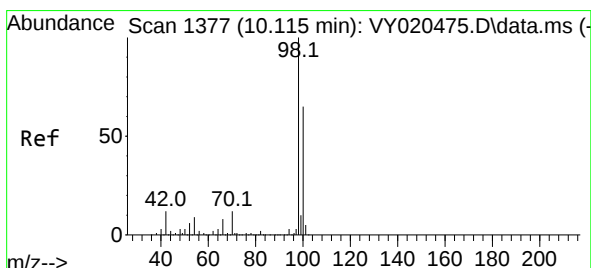
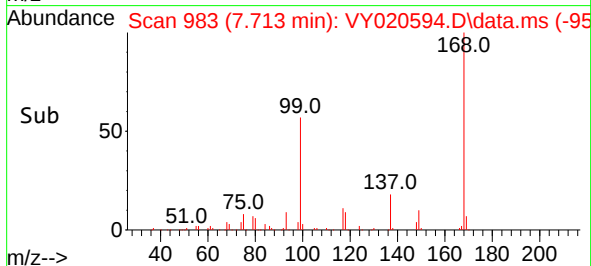
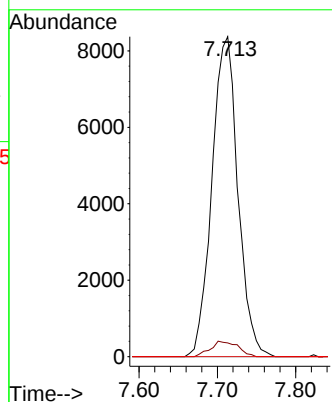
Tgt Ion:117 Resp: 19291

Ion Ratio Lower Upper

117 100

119 4.3 77.8 116.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 50.824 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020594.D

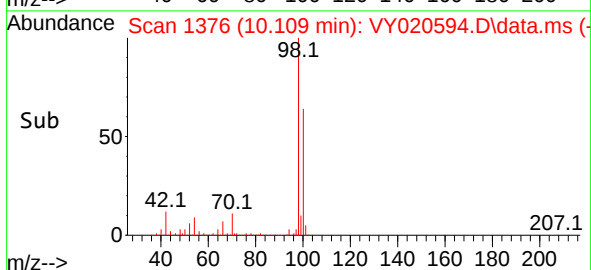
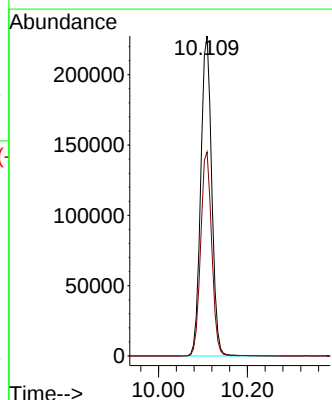
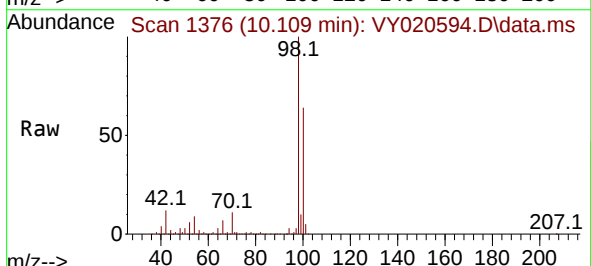
Acq: 12 Dec 2024 12:21

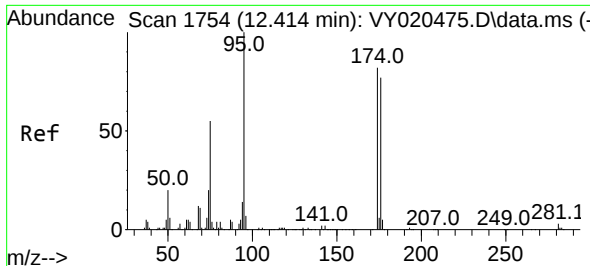
Tgt Ion: 98 Resp: 390321

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9





#62

4-Bromofluorobenzene

Concen: 42.461 ug/l

RT: 12.407 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020594.D

Acq: 12 Dec 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

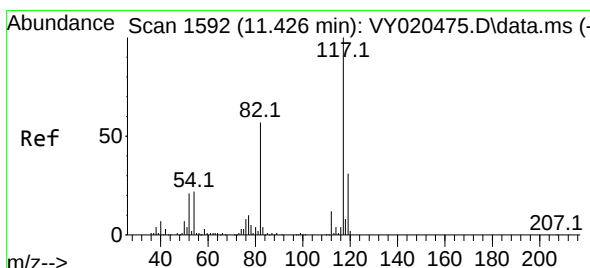
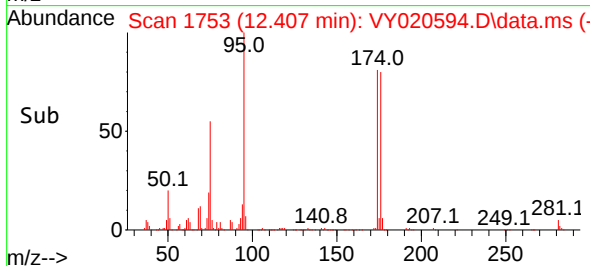
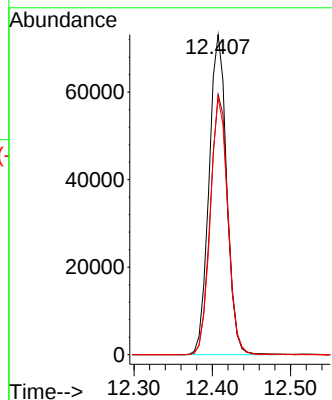
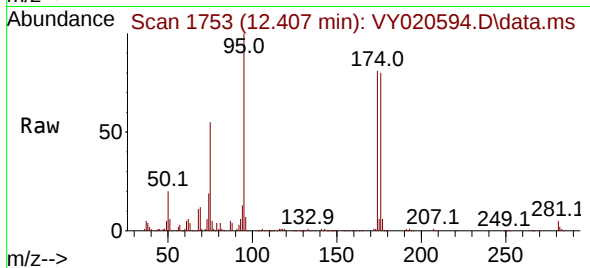
Tgt Ion: 95 Resp: 114049

Ion Ratio Lower Upper

95 100

174 82.0 0.0 156.8

176 79.4 0.0 152.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.006 min

Lab File: VY020594.D

Acq: 12 Dec 2024 12:21

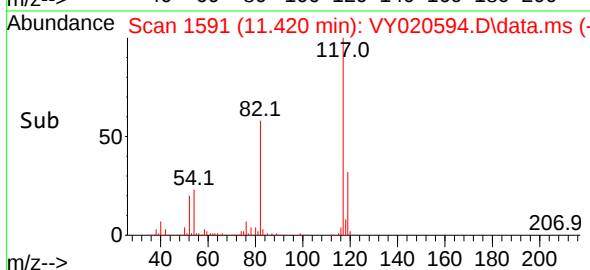
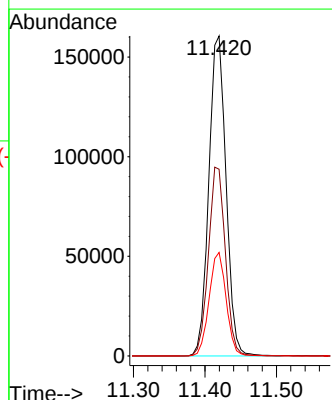
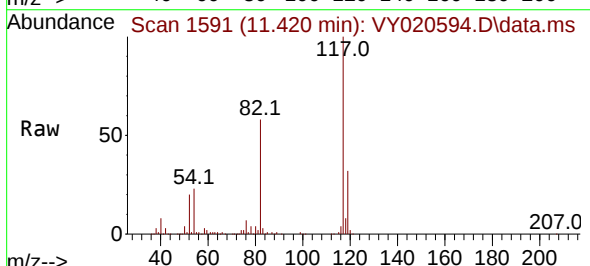
Tgt Ion: 117 Resp: 268255

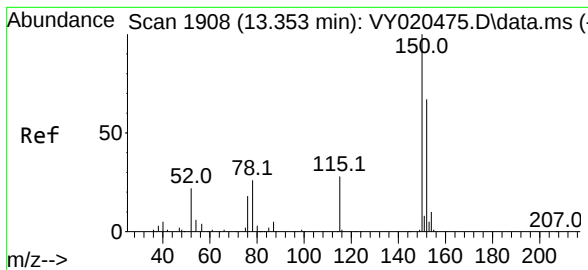
Ion Ratio Lower Upper

117 100

82 58.4 48.2 72.4

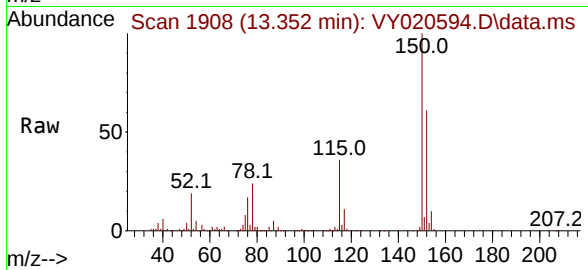
119 32.3 25.8 38.8



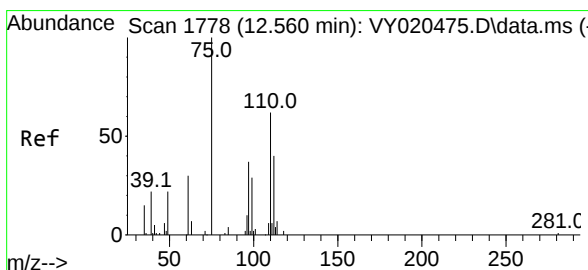
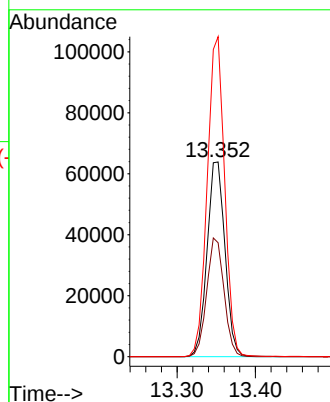
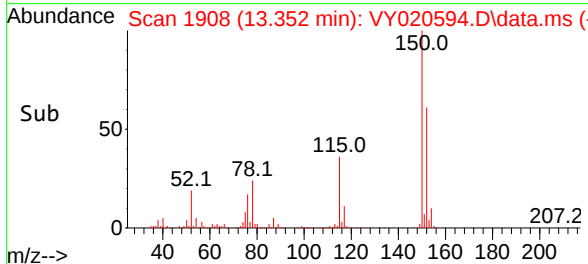


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY020594.D
 Acq: 12 Dec 2024 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :

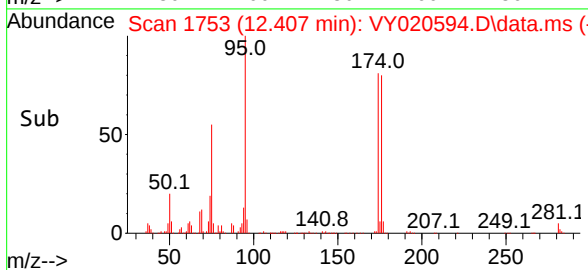
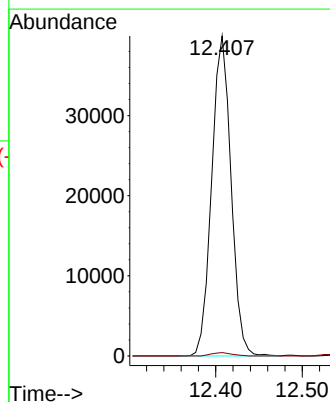
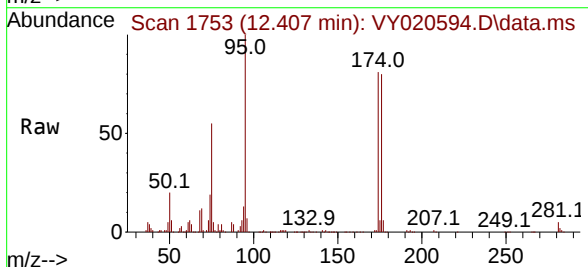


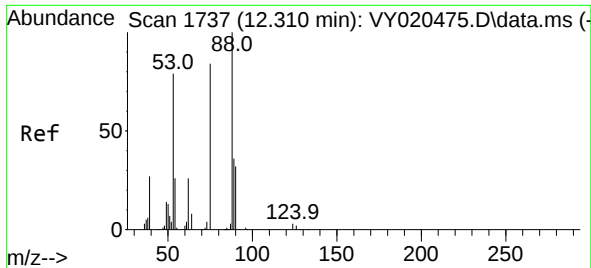
Tgt Ion:152 Resp: 101315
 Ion Ratio Lower Upper
 152 100
 115 58.9 30.0 90.0
 150 159.4 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 60.045 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY020594.D
 Acq: 12 Dec 2024 12:21

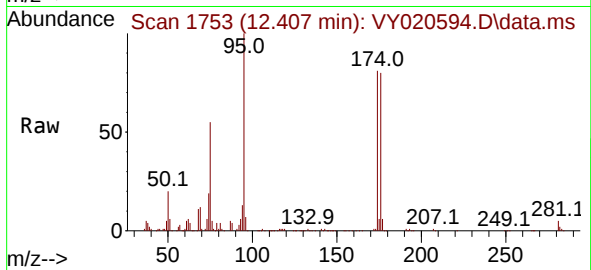
Tgt Ion: 75 Resp: 61971
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.203 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY020594.D
 Acq: 12 Dec 2024 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	61971
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.1	121.7#
89	0.1	35.1	52.7#

