

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
 Data File : VY019486.D
 Acq On : 10 Sep 2024 14:37
 Operator : SY/MD
 Sample : P3892-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 11 01:49:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

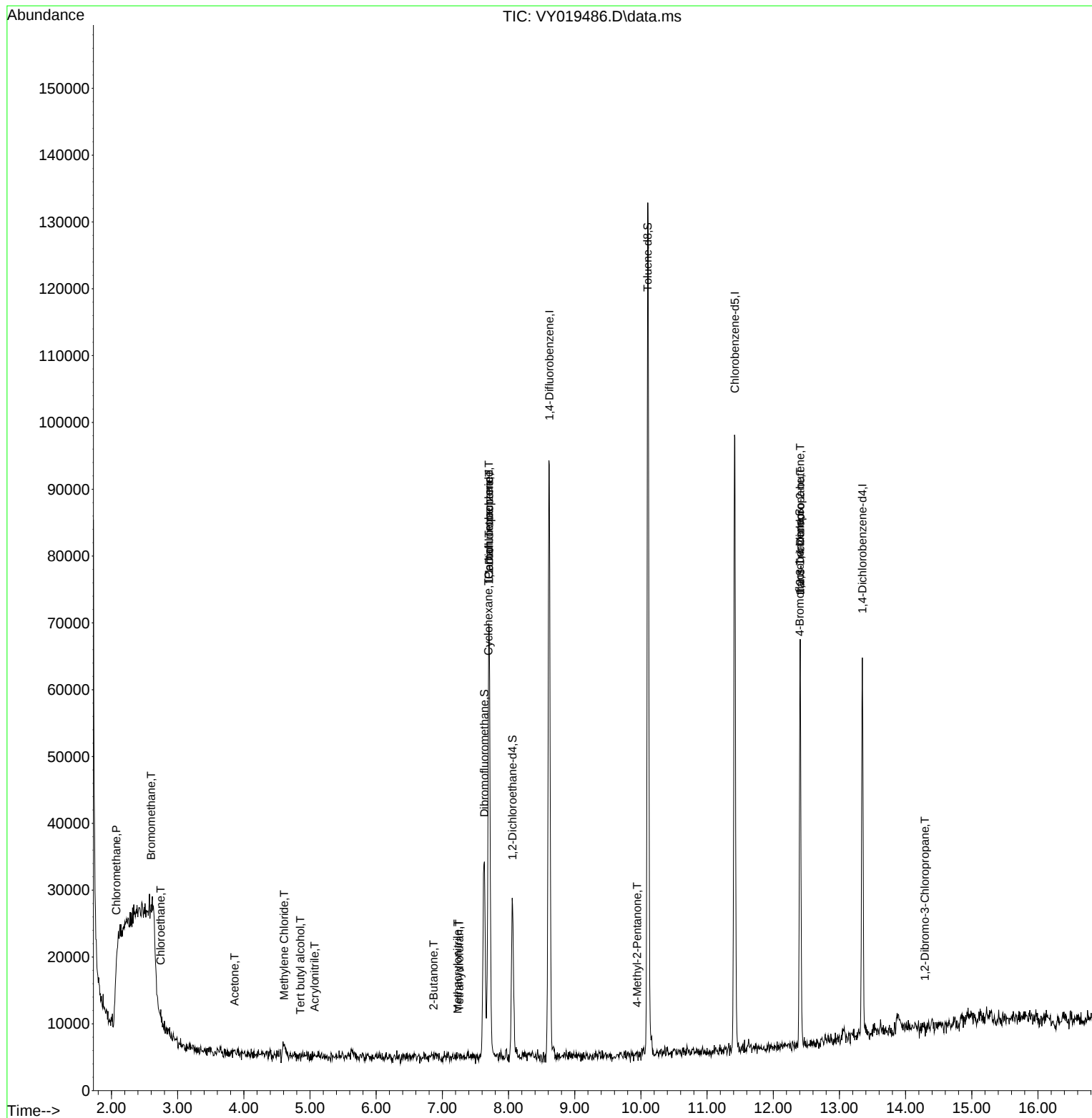
Internal Standards						
1) Pentafluorobenzene	7.701	168	49057	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	77797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	49907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	13136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18227	40.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.240%
35) Dibromofluoromethane	7.634	113	21280	48.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.480%
50) Toluene-d8	10.103	98	82679	50.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.360%
62) 4-Bromofluorobenzene	12.402	95	20434	32.573	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	65.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.855	85	89	Below Cal	#	43
3) Chloromethane	2.074	50	485	1.195	ug/l #	26
5) Bromomethane	2.598	94	624	2.315	ug/l #	6
6) Chloroethane	2.745	64	308	1.074	ug/l #	65
11) Tert butyl alcohol	4.854	59	47	1.281	ug/l #	1
13) Acrolein	3.671	56	216	Below Cal	#	42
15) Acrylonitrile	5.068	53	111	1.048	ug/l #	56
16) Acetone	3.860	43	962	8.889	ug/l #	54
20) Methylene Chloride	4.610	84	1648	3.339	ug/l #	62
25) 2-Butanone	6.866	43	166	1.079	ug/l #	41
29) Tetrahydrofuran	7.256	42	190	2.030	ug/l #	54
31) Cyclohexane	7.695	56	1804	2.219	ug/l #	67
36) 1,1-Dichloropropene	7.707	75	3983	6.636	ug/l #	49
38) Carbon Tetrachloride	7.701	117	5133	7.584	ug/l #	18
41) Methacrylonitrile	7.232	41	244	1.361	ug/l #	1
51) 4-Methyl-2-Pentanone	9.945	43	482	1.483	ug/l #	31
76) 1,2,3-Trichloropropane	12.408	75	10489	85.192	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	10489	163.543	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.291	75	113	4.008	ug/l #	1

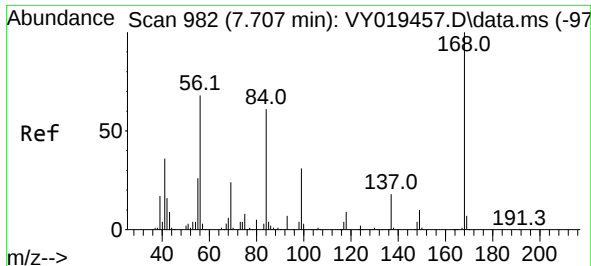
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
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Quant Time: Sep 11 01:49:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

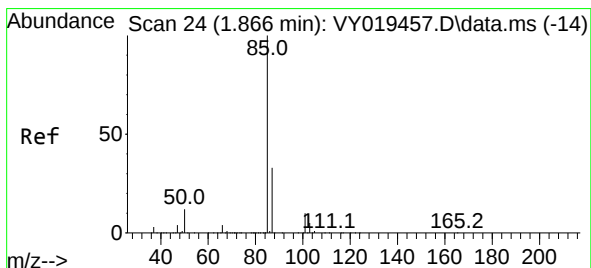
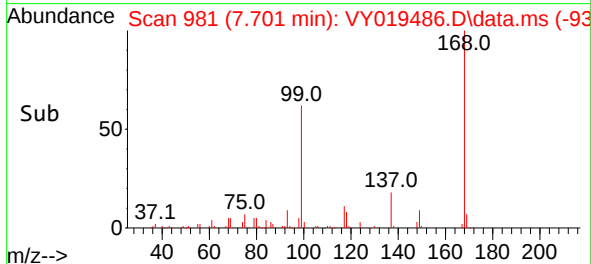
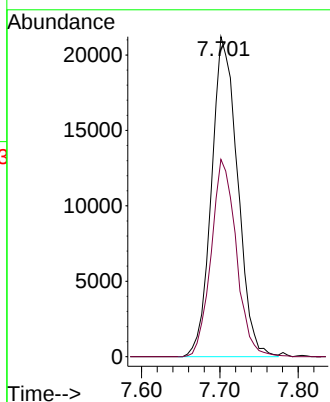
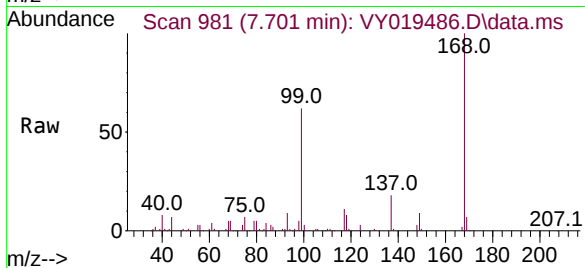




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

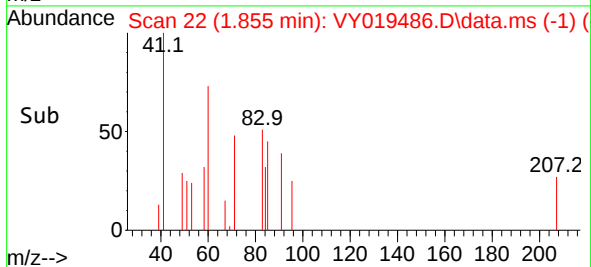
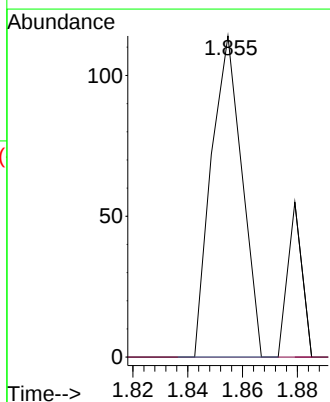
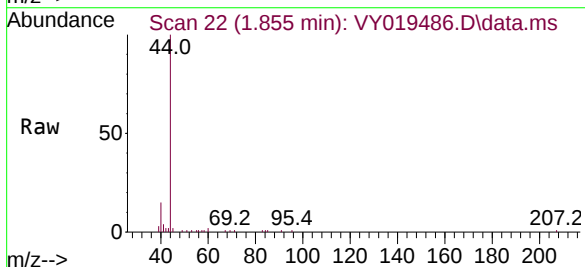
Instrument :
MSVOA_Y
ClientSampleId :

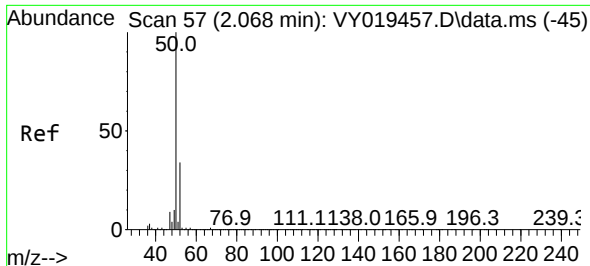
Tgt Ion:168 Resp: 49057
Ion Ratio Lower Upper
168 100
99 61.6 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.855 min Scan# 22
Delta R.T. -0.011 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Tgt Ion: 85 Resp: 89
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

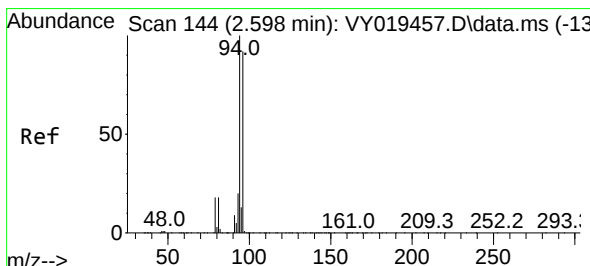
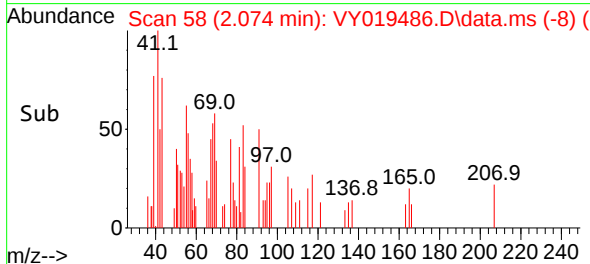
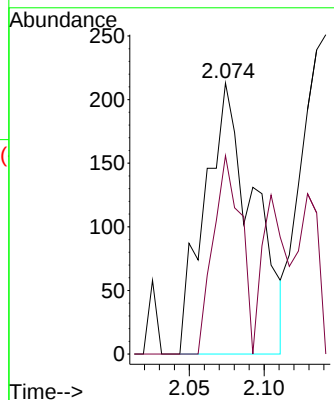
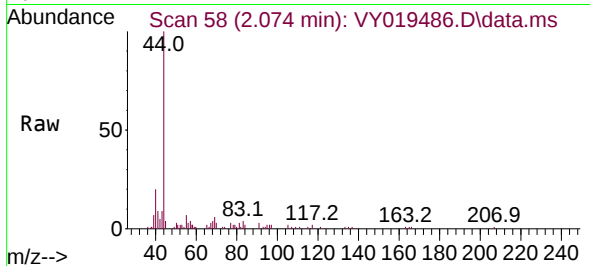




#3
Chloromethane
Concen: 1.195 ug/l
RT: 2.074 min Scan# 57
Delta R.T. 0.006 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

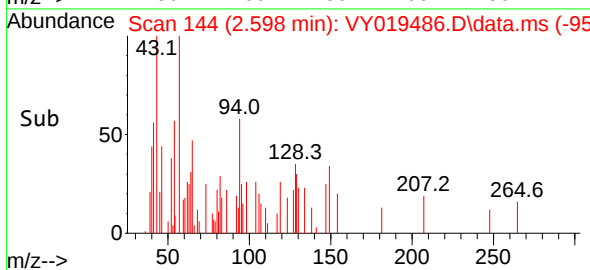
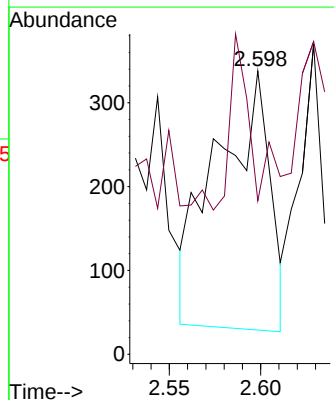
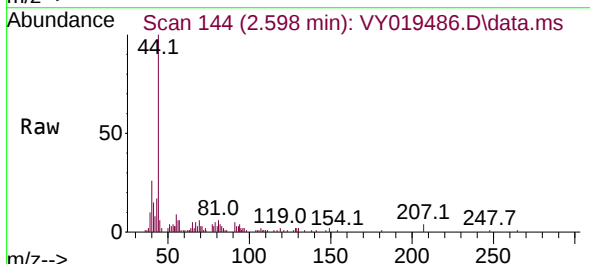
Instrument :
MSVOA_Y
ClientSampleId :

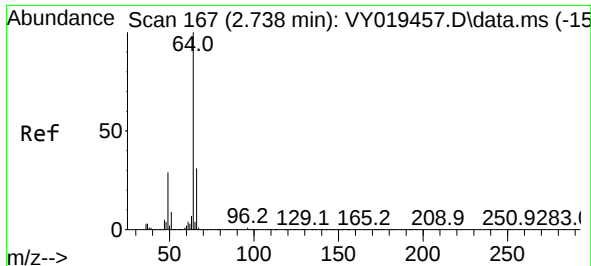
Tgt Ion: 50 Resp: 485
Ion Ratio Lower Upper
50 100
52 73.2 25.6 38.4#



#5
Bromomethane
Concen: 2.315 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 2.6 74.1 111.1#

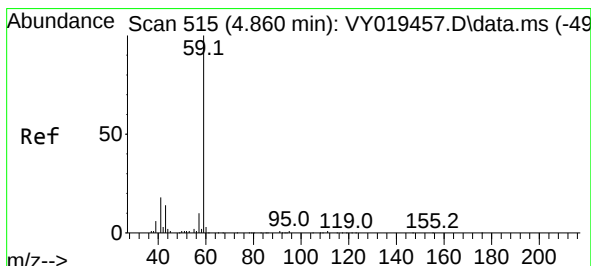
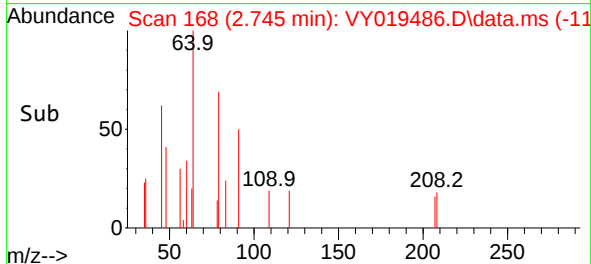
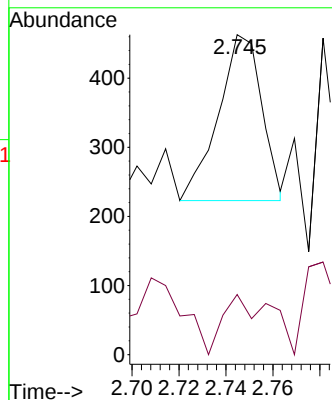
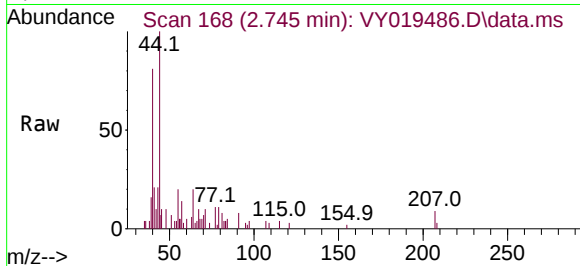




#6
Chloroethane
Concen: 1.074 ug/l
RT: 2.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

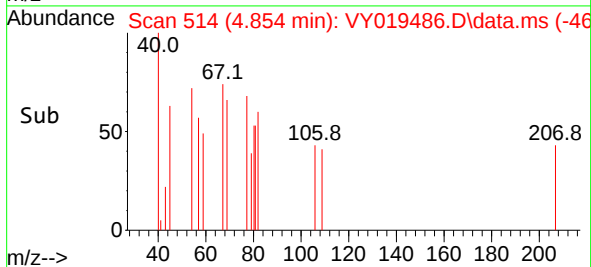
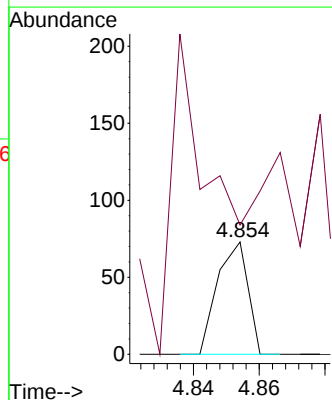
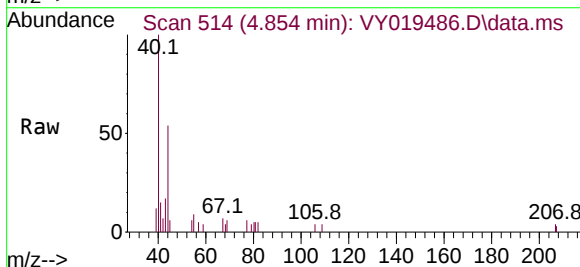
Instrument :
MSVOA_Y
ClientSampleId :

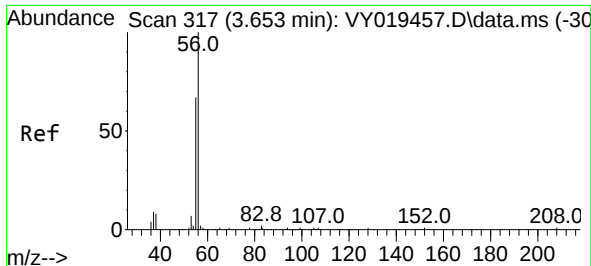
Tgt Ion: 64 Resp: 308
Ion Ratio Lower Upper
64 100
66 12.9 26.1 39.1#



#11
Tert butyl alcohol
Concen: 1.281 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Tgt Ion: 59 Resp: 47
Ion Ratio Lower Upper
59 100
57 448.9 3.0 4.6#

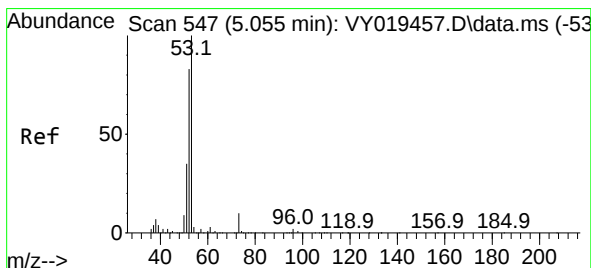
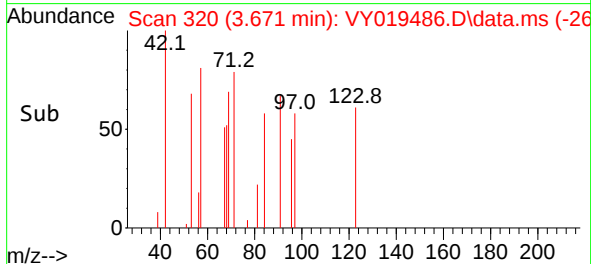
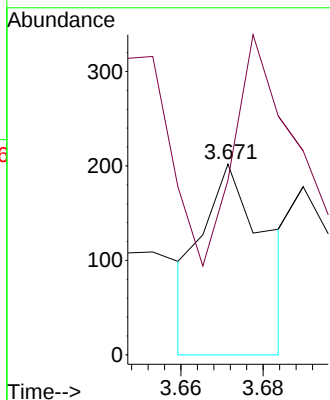
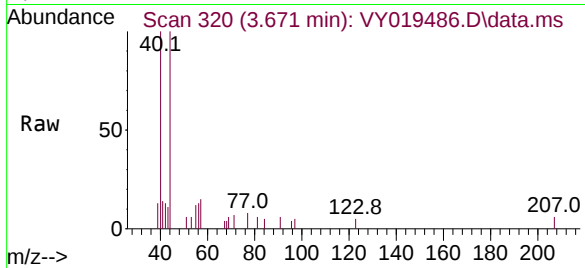




#13
Acrolein
Concen: Below Cal
RT: 3.671 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

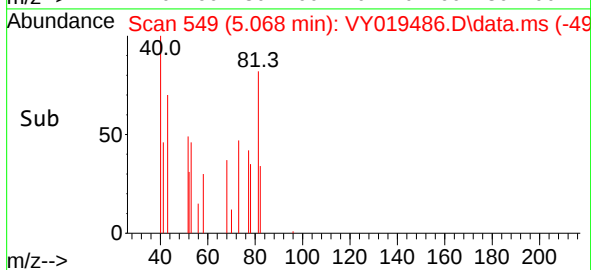
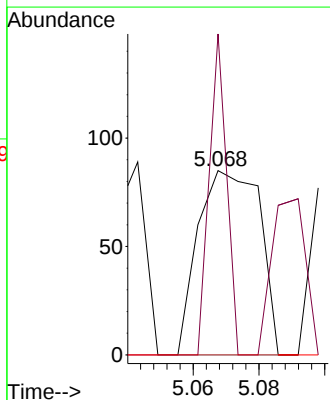
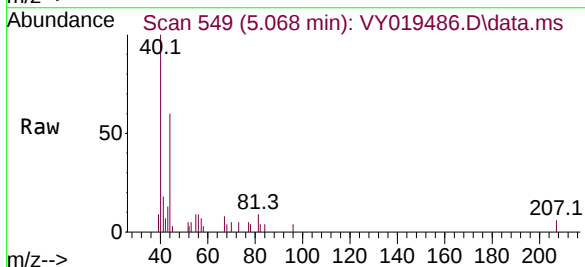
Instrument :
MSVOA_Y
ClientSampleId :

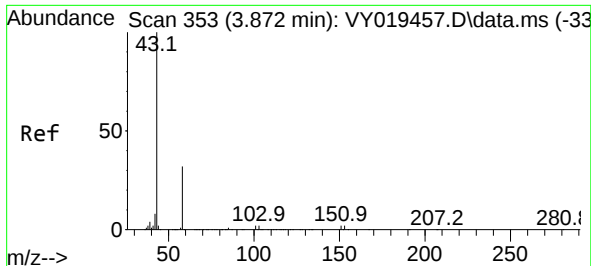
Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 117.1 55.7 83.5#



#15
Acrylonitrile
Concen: 1.048 ug/l
RT: 5.068 min Scan# 549
Delta R.T. 0.013 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Tgt Ion: 53 Resp: 111
Ion Ratio Lower Upper
53 100
52 48.6 64.7 97.1#
51 0.0 28.4 42.6#

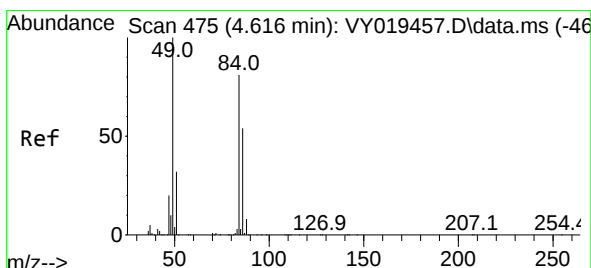
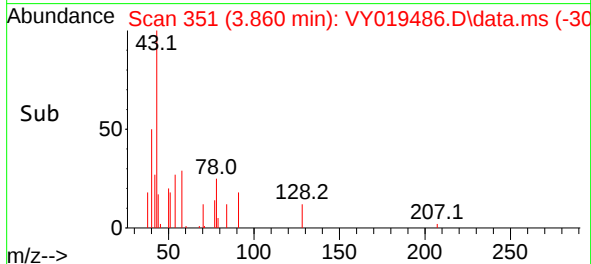
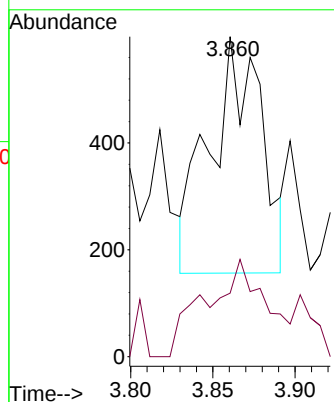
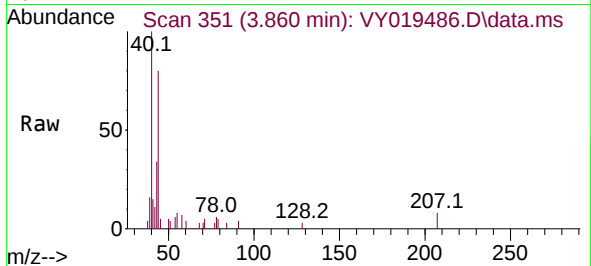




#16
Acetone
Concen: 8.889 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

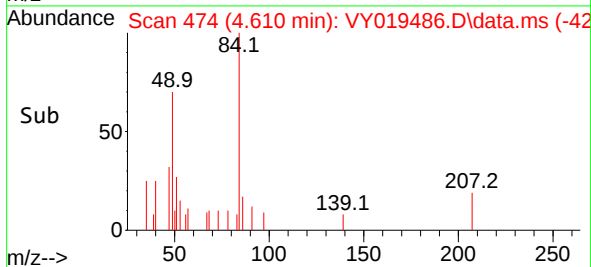
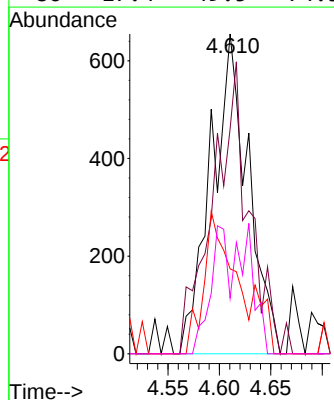
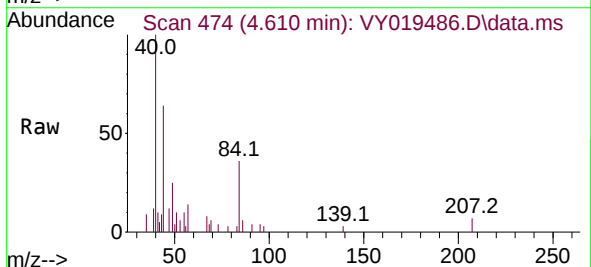
Instrument :
MSVOA_Y
ClientSampleId :

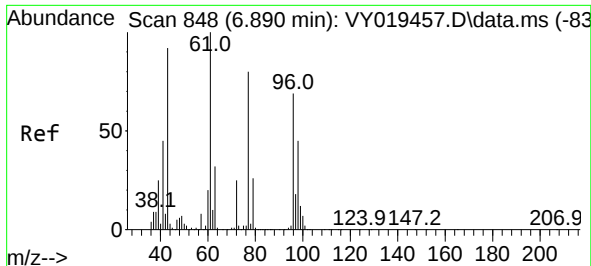
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 11.6 31.7 47.5#



#20
Methylene Chloride
Concen: 3.339 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Tgt Ion: 84 Resp: 1648
Ion Ratio Lower Upper
84 100
49 70.4 84.4 126.6#
51 26.6 26.0 39.0
86 17.4 49.5 74.3#





#25

2-Butanone

Concen: 1.079 ug/l

RT: 6.866 min Scan# 84

Delta R.T. -0.024 min

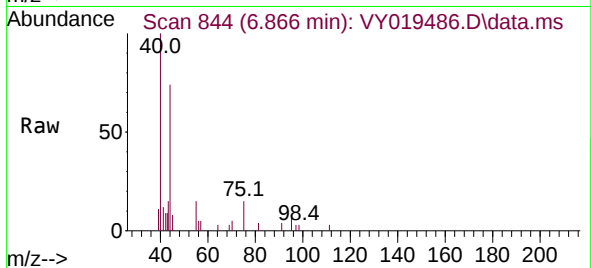
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Acq: 10 Sep 2024 14:37

Instrument :

MSVOA_Y

ClientSampleId :

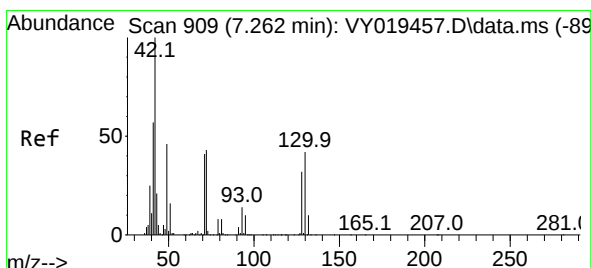
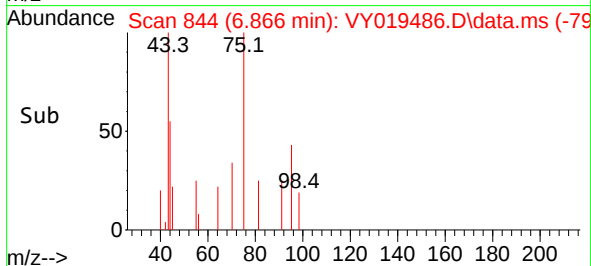
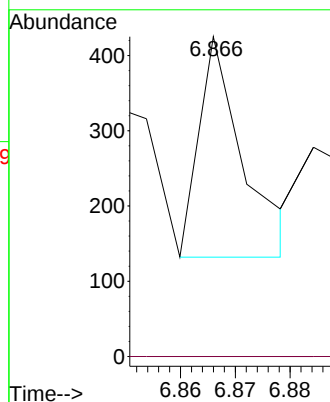


Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 2.030 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

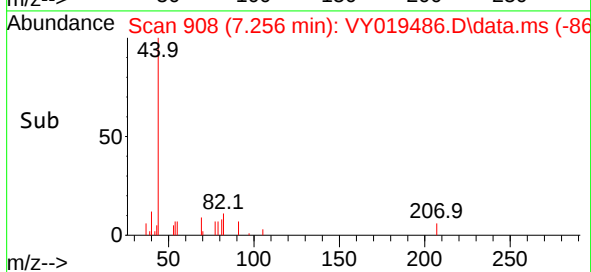
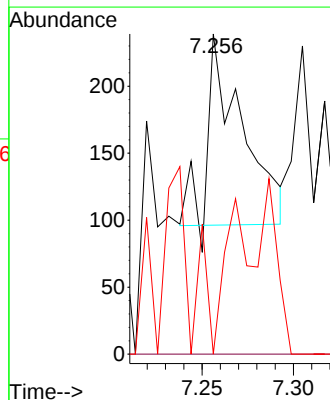
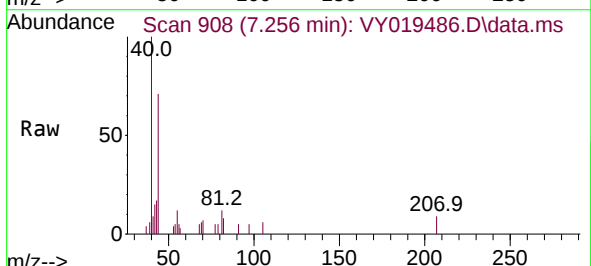
Tgt Ion: 42 Resp: 190

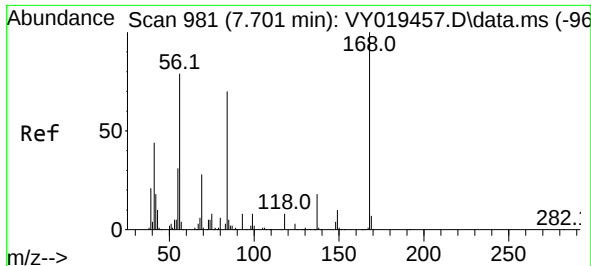
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

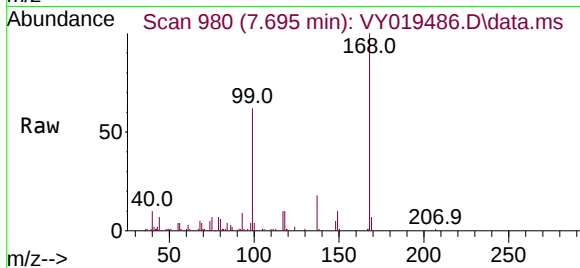
71 62.1 40.8 61.2#



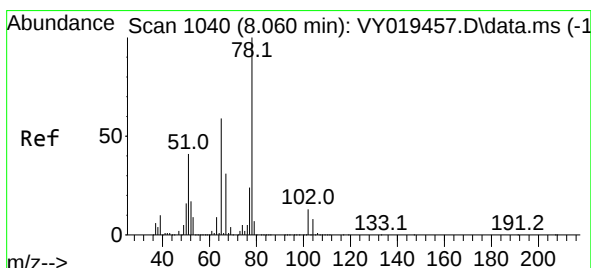
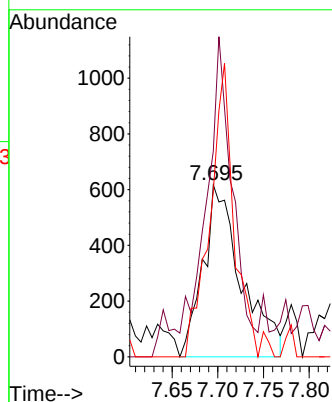
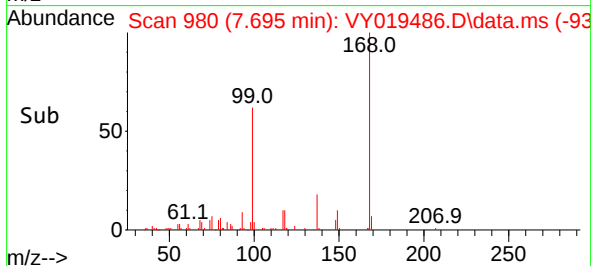


#31
Cyclohexane
Concen: 2.219 ug/l
RT: 7.695 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Instrument :
MSVOA_Y
ClientSampleId :

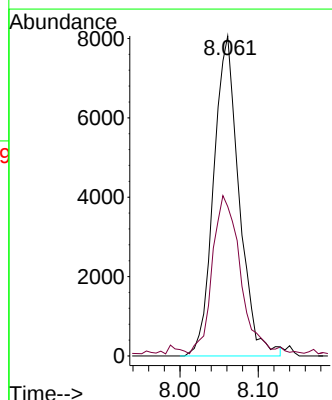
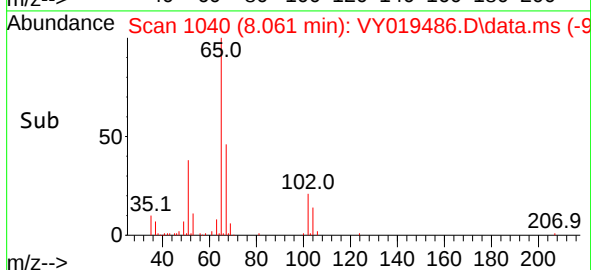
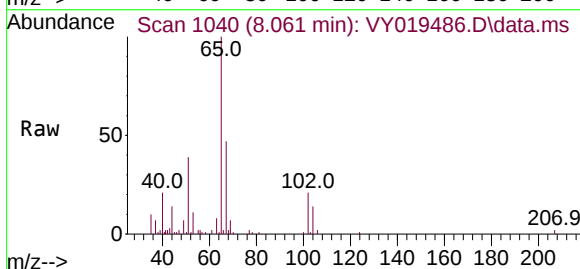


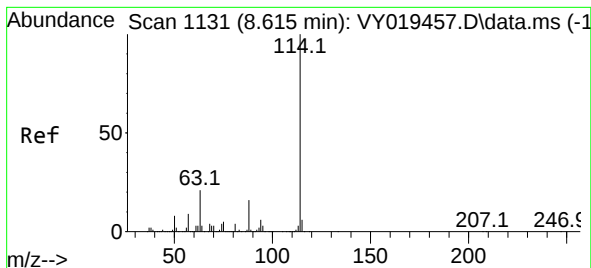
Tgt Ion: 56 Resp: 1804
Ion Ratio Lower Upper
56 100
69 106.0 28.7 43.1#
84 96.3 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 40.125 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Tgt Ion: 65 Resp: 18227
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

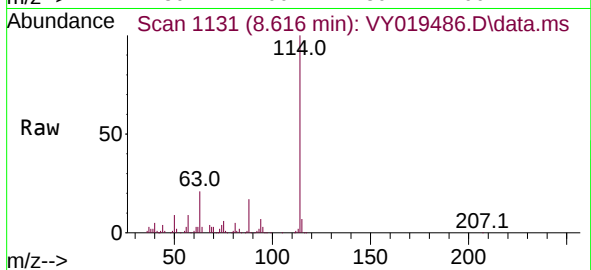
Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

Instrument :

MSVOA_Y

ClientSampleId :



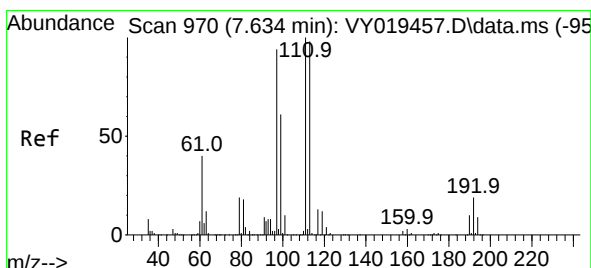
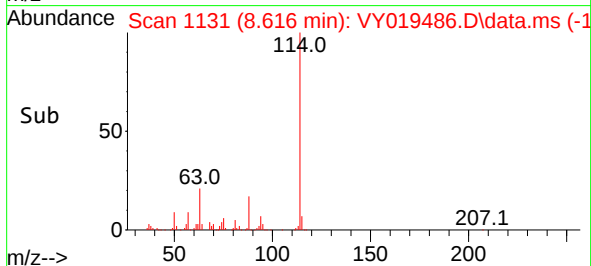
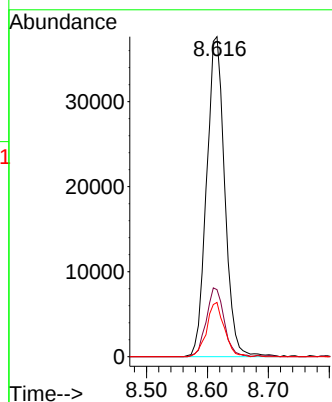
Tgt Ion:114 Resp: 77797

Ion Ratio Lower Upper

114 100

63 20.9 0.0 35.0

88 17.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.244 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

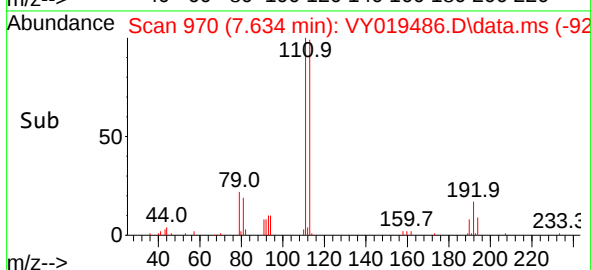
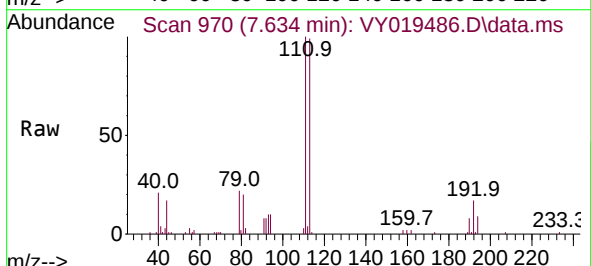
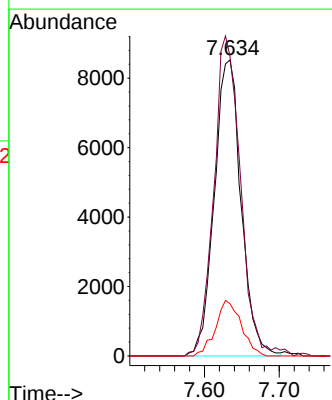
Tgt Ion:113 Resp: 21280

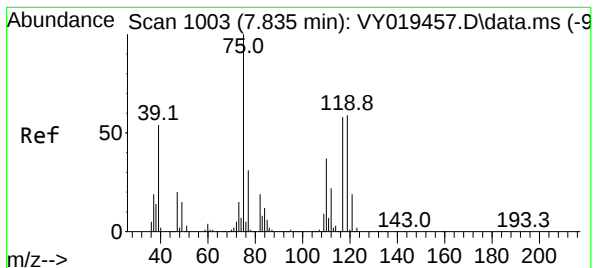
Ion Ratio Lower Upper

113 100

111 107.4 82.2 123.4

192 18.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.636 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

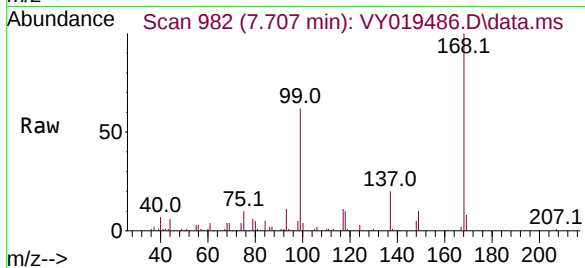
Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

Instrument :

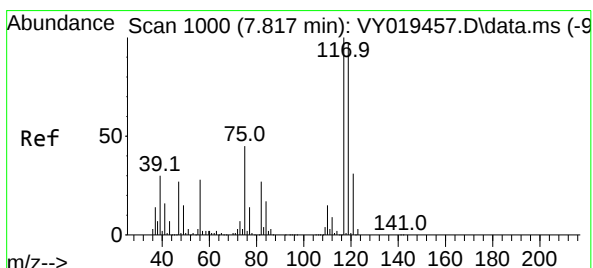
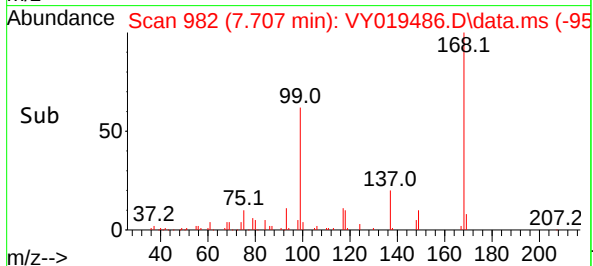
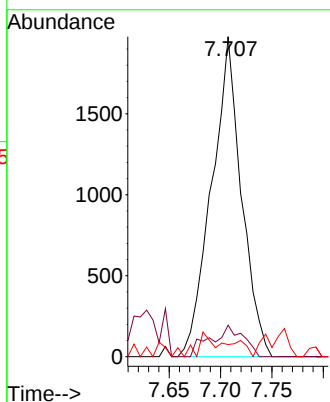
MSVOA_Y

ClientSampleId :



Tgt Ion: 75 Resp: 3983

Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.0	57.0#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 7.584 ug/l

RT: 7.701 min Scan# 981

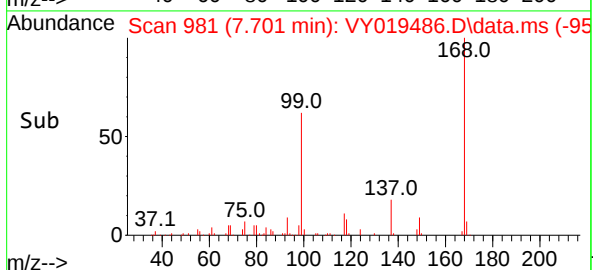
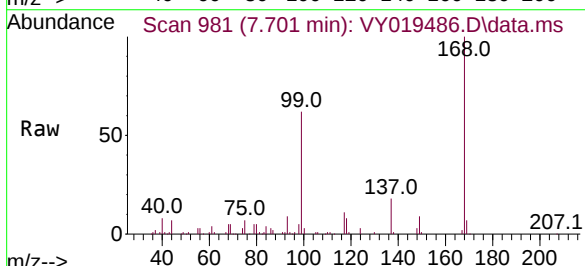
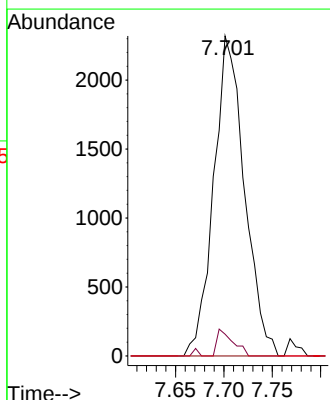
Delta R.T. -0.115 min

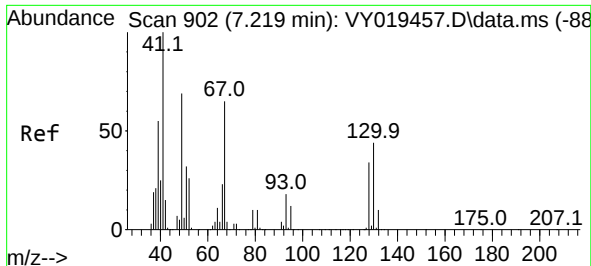
Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

Tgt Ion: 117 Resp: 5133

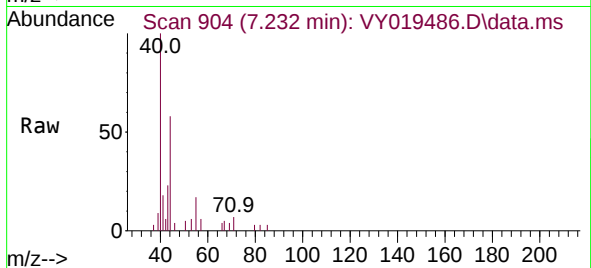
Ion	Ratio	Lower	Upper
117	100		
119	6.8	75.8	113.6#
121	0.0	24.0	36.0#



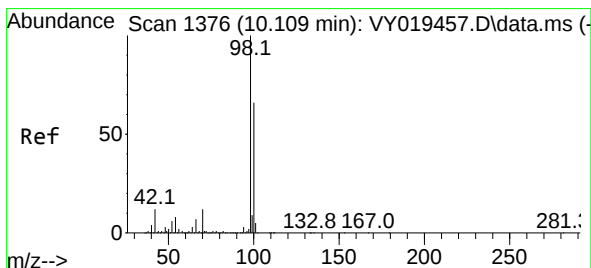
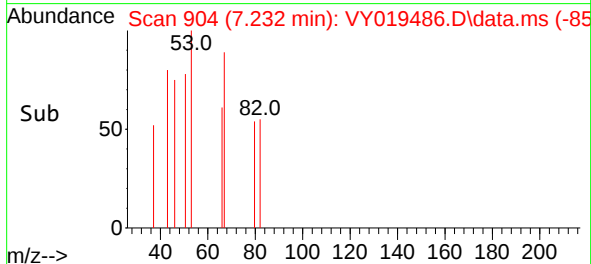
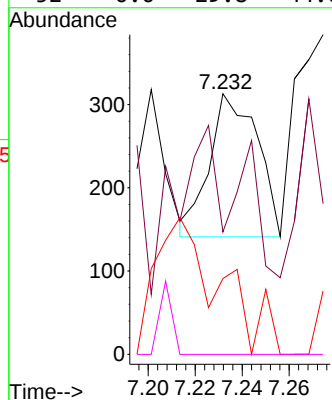


#41
Methacrylonitrile
Concen: 1.361 ug/l
RT: 7.232 min Scan# 90
Delta R.T. 0.013 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Instrument :
MSVOA_Y
ClientSampleId :

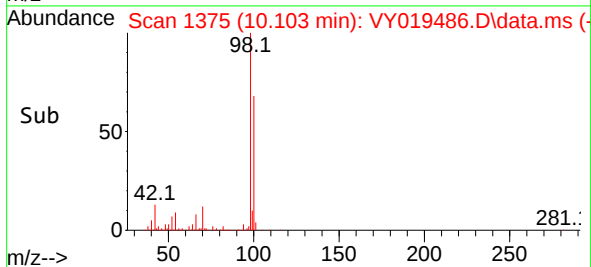
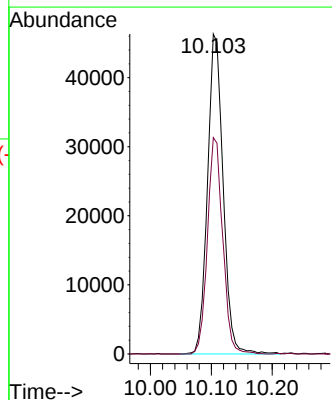
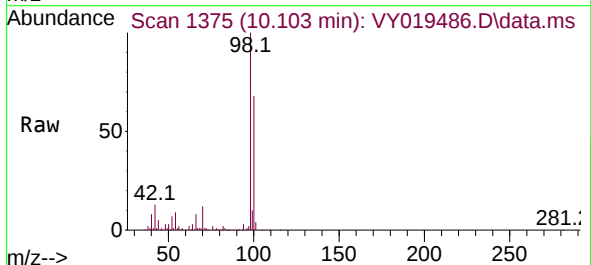


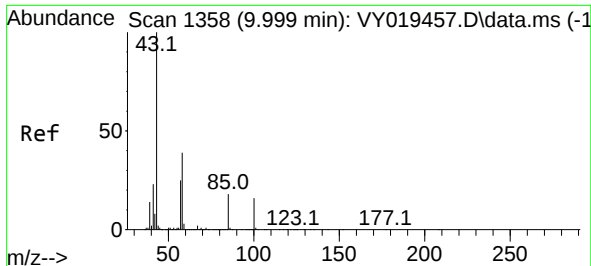
Tgt Ion: 41 Resp: 244
Ion Ratio Lower Upper
41 100
39 157.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#



#50
Toluene-d8
Concen: 50.676 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

Tgt Ion: 98 Resp: 82679
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.483 ug/l

RT: 9.945 min Scan# 1349

Delta R.T. -0.054 min

Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

Instrument :

MSVOA_Y

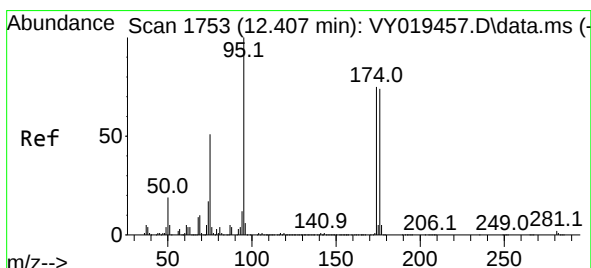
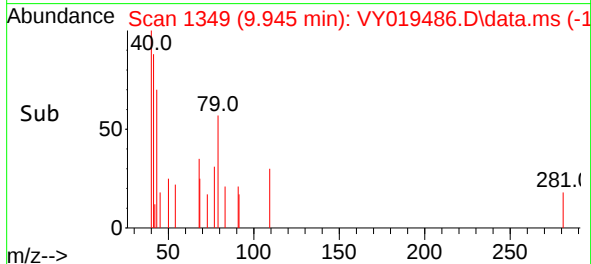
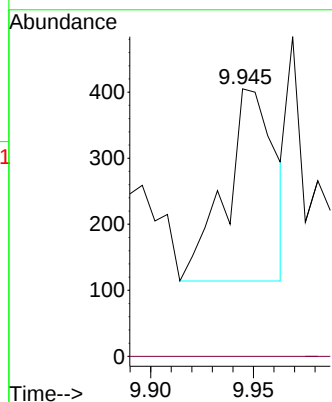
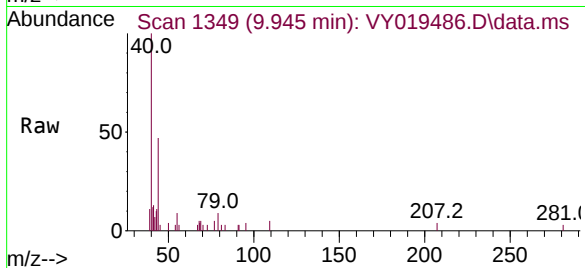
ClientSampleId :

Tgt Ion: 43 Resp: 482

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 32.573 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

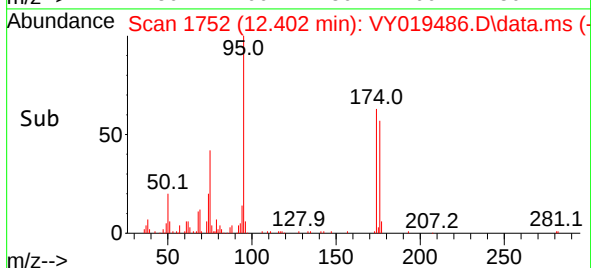
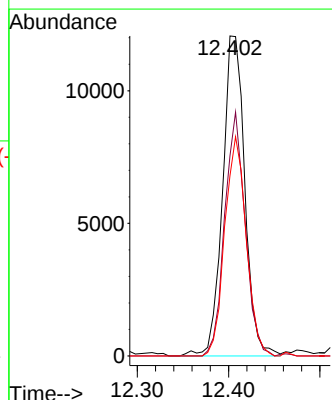
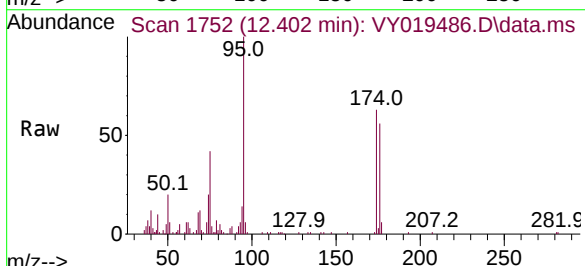
Tgt Ion: 95 Resp: 20434

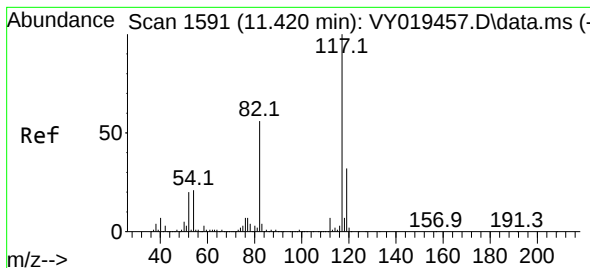
Ion Ratio Lower Upper

95 100

174 70.0 0.0 175.6

176 66.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019486.D

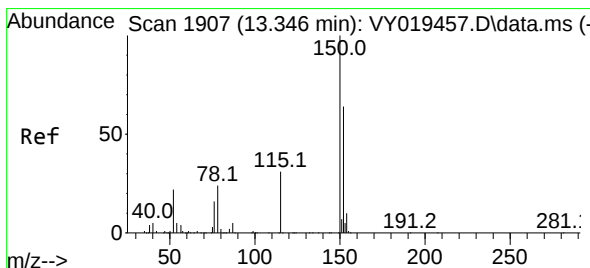
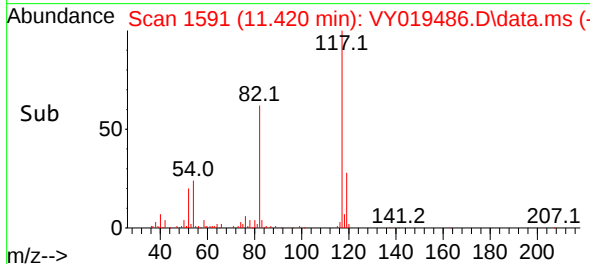
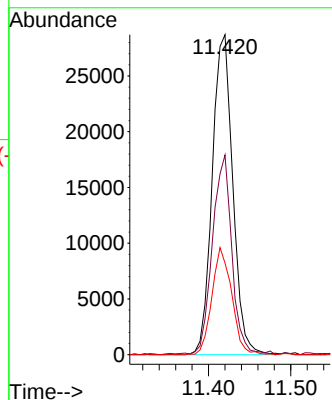
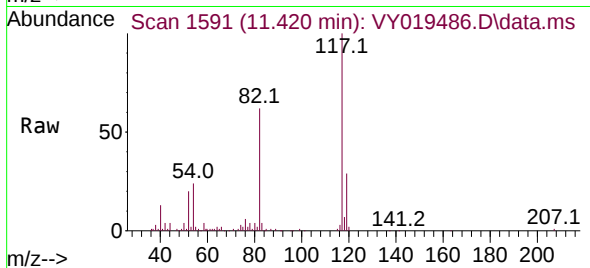
Acq: 10 Sep 2024 14:37

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	49907
Ion Ratio	Lower	Upper
117	100	
82	62.1	42.4 63.6
119	28.6	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

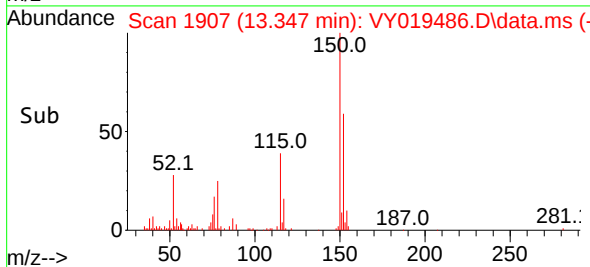
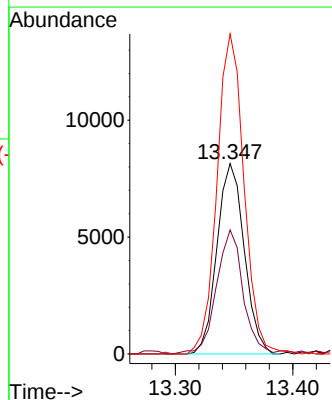
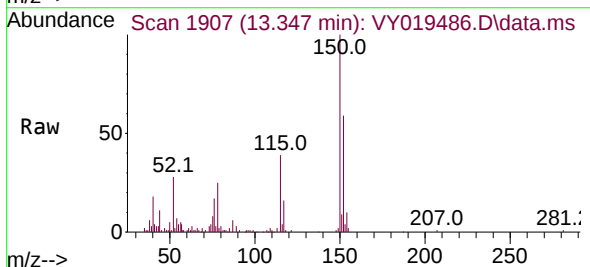
RT: 13.347 min Scan# 1907

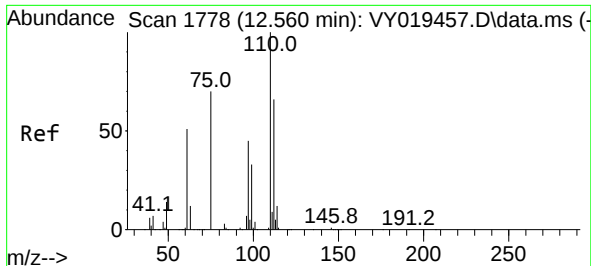
Delta R.T. 0.000 min

Lab File: VY019486.D

Acq: 10 Sep 2024 14:37

Tgt Ion:152	Resp:	13136
Ion Ratio	Lower	Upper
152	100	
115	63.6	28.2 84.7
150	166.6	0.0 345.6

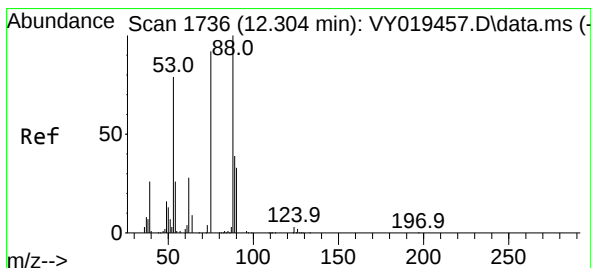
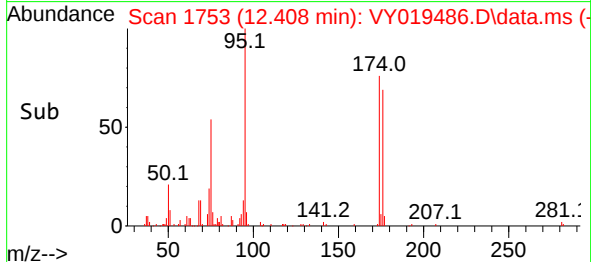
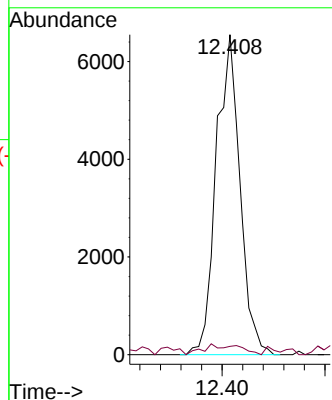
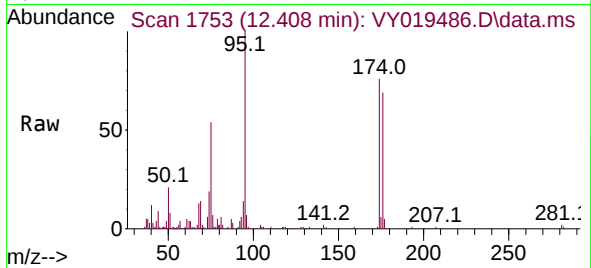




#76
1,2,3-Trichloropropane
Concen: 85.192 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

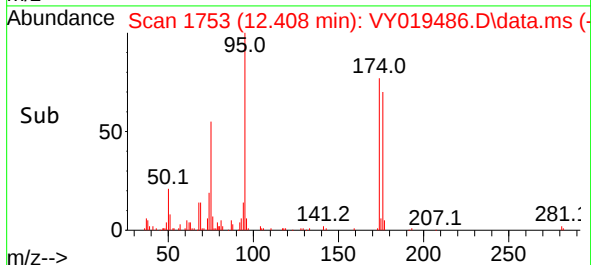
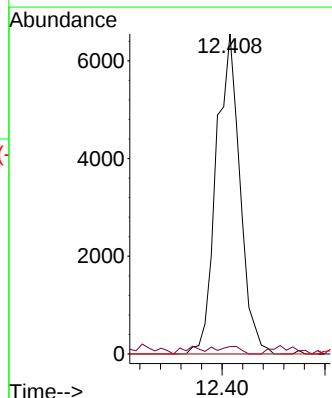
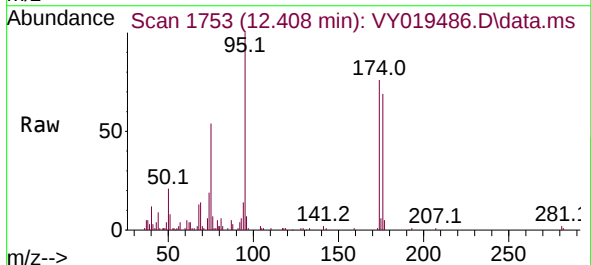
Instrument :
MSVOA_Y
ClientSampleId :

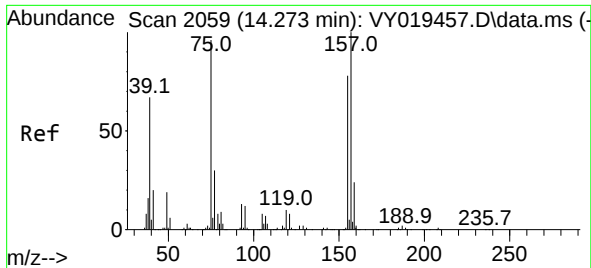
Tgt Ion: 75 Resp: 10489
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.543 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019486.D
Acq: 10 Sep 2024 14:37

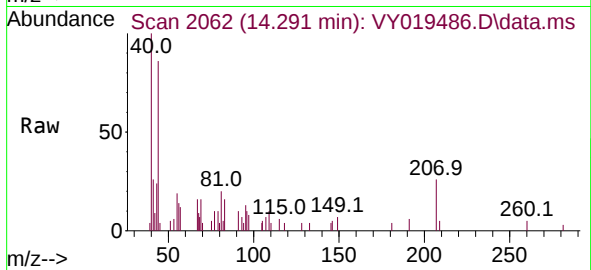
Tgt Ion: 75 Resp: 10489
Ion Ratio Lower Upper
75 100
53 2.5 66.8 100.2#
89 0.0 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.008 ug/l
 RT: 14.291 min Scan# 20
 Delta R.T. 0.019 min
 Lab File: VY019486.D
 Acq: 10 Sep 2024 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	0.0	62.7	188.2#

