

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009651.D
 Acq On : 22 Jul 2022 11:33
 Operator : KP/MD
 Sample : N3773-10
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-1(5-5.5)

Quant Time: Jul 23 00:52:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	172153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	260482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	231500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	103070	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81527	50.073	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.140%
35) Dibromofluoromethane	7.710	113	80249	48.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.800%
50) Toluene-d8	10.173	98	301190	47.743	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	95.480%
62) 4-Bromofluorobenzene	12.483	95	87177	42.647	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	85.300%

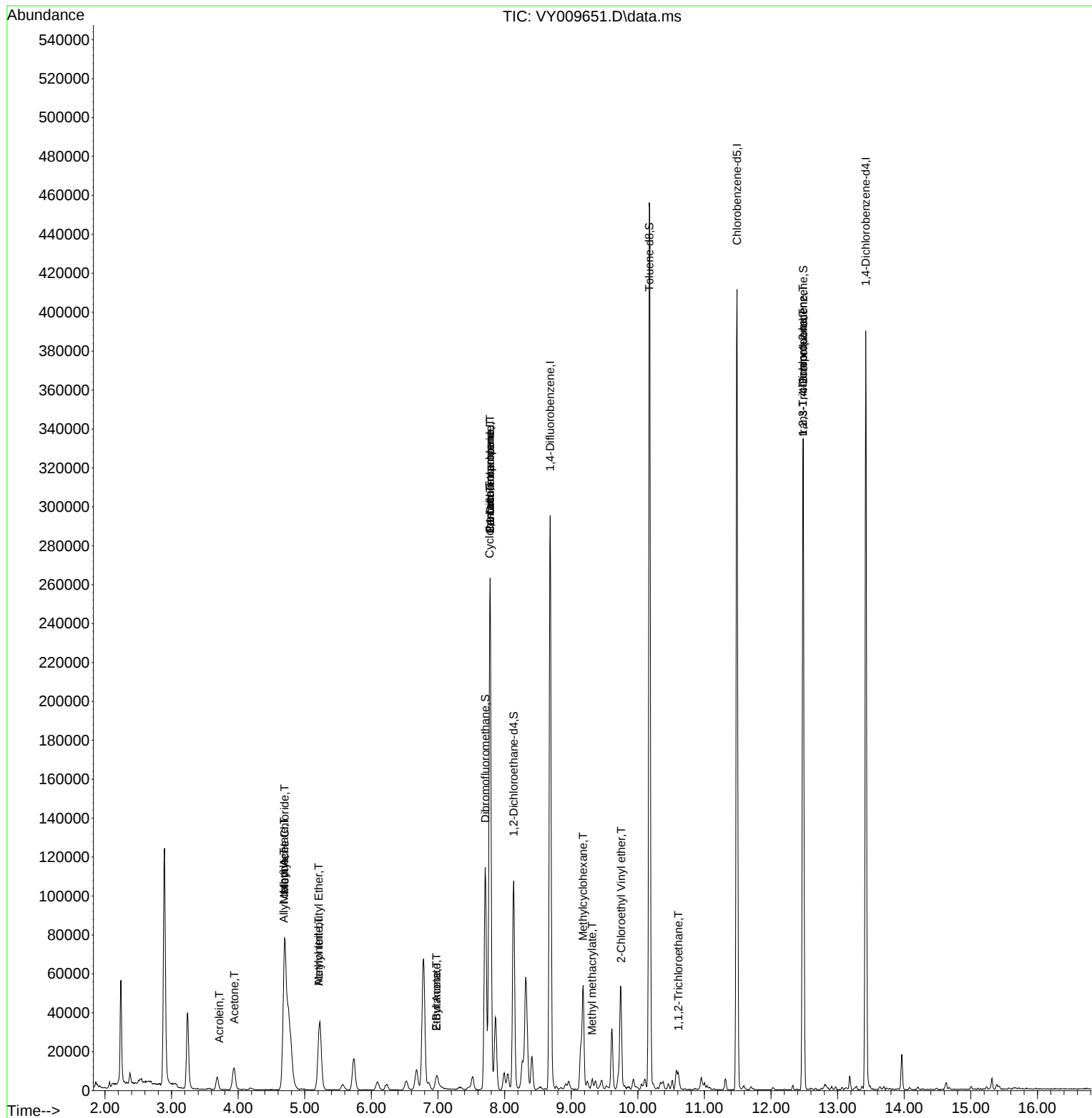
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	1247	Below Cal	#	77
13) Acrolein	3.716	56	306	2.629	ug/l #	14
14) Allyl chloride	4.686	41	15574	6.359	ug/l #	53
15) Acrylonitrile	5.210	53	875	1.952	ug/l #	21
16) Acetone	3.942	43	16197	39.325	ug/l	93
18) Methyl Acetate	4.692	43	28060	24.270	ug/l #	56
19) Methyl tert-butyl Ether	5.210	73	10648	2.552	ug/l #	1
20) Methylene Chloride	4.698	84	42684	13.444	ug/l #	81
25) 2-Butanone	6.978	43	6716	11.179	ug/l #	91
31) Cyclohexane	7.777	56	32389	11.282	ug/l #	83
36) 1,1-Dichloropropene	7.783	75	11520	4.751	ug/l #	57
37) Ethyl Acetate	6.978	43	6716	4.976	ug/l #	75
38) Carbon Tetrachloride	7.783	117	15381	6.059	ug/l #	16
39) Methylcyclohexane	9.179	83	22036	7.370	ug/l	89
48) Methyl methacrylate	9.313	41	1326	1.214	ug/l #	50
55) 1,1,2-Trichloroethane	10.612	97	2056	1.444	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.752	63	71	28.344	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	44776	45.603	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44776	89.920	ug/l #	7

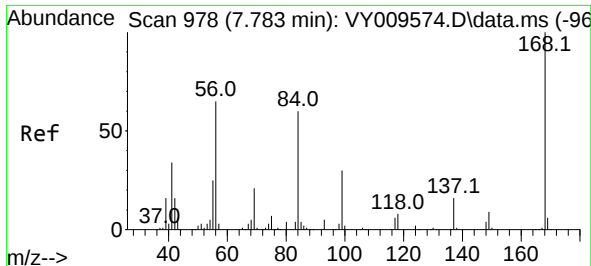
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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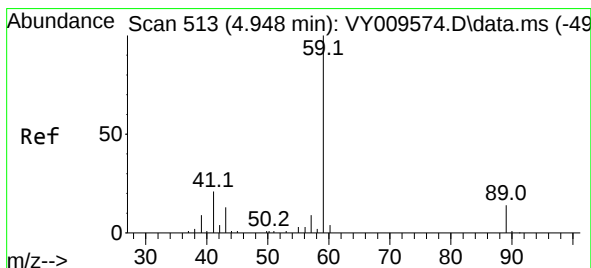
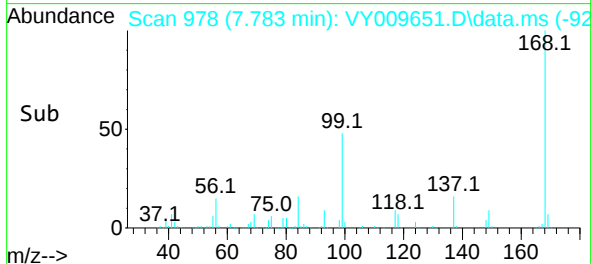
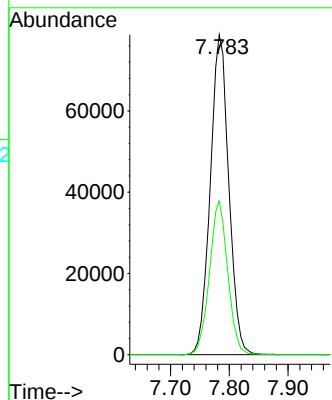
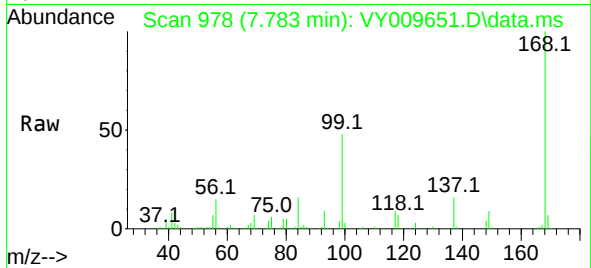




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

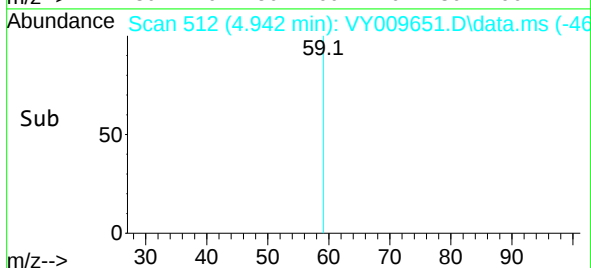
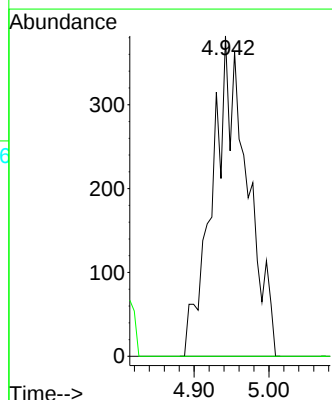
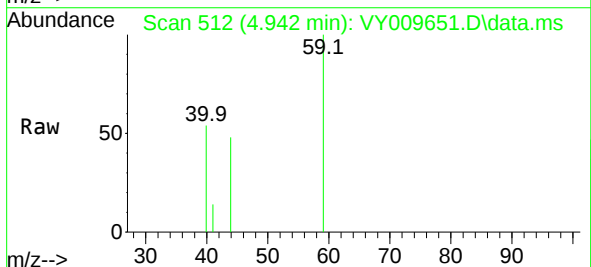
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(5-5.5)

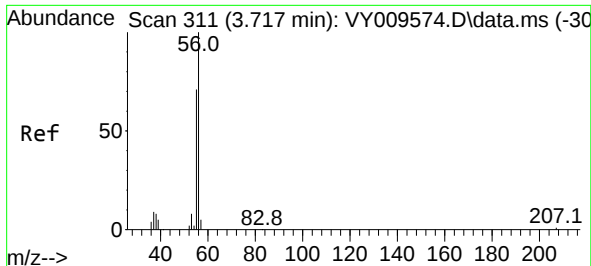
Tgt Ion:168 Resp: 172153
Ion Ratio Lower Upper
168 100
99 48.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

Tgt Ion: 59 Resp: 1247
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#13

Acrolein

Concen: 2.629 ug/l

RT: 3.716 min Scan# 311

Delta R.T. -0.000 min

Lab File: VY009651.D

Acq: 22 Jul 2022 11:33

Instrument :

MSVOA_Y

ClientSampleId :

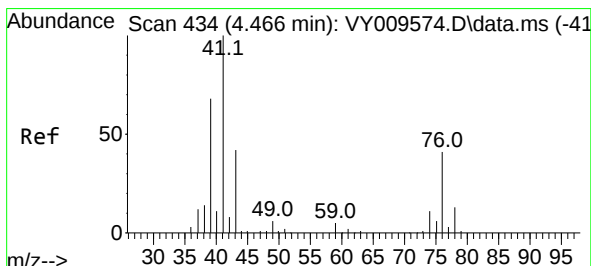
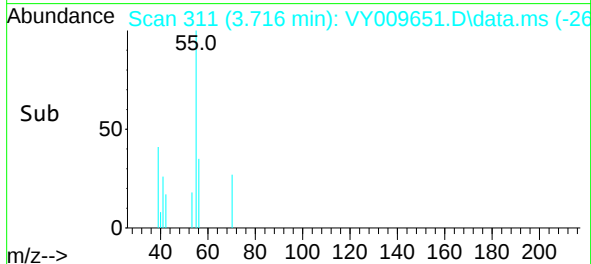
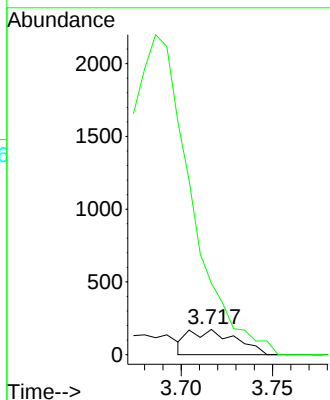
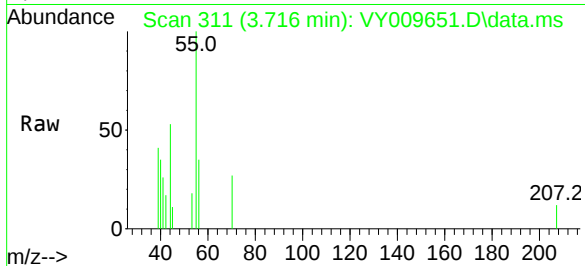
DL-1(5-5.5)

Tgt Ion: 56 Resp: 306

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#14

Allyl chloride

Concen: 6.359 ug/l

RT: 4.686 min Scan# 470

Delta R.T. 0.219 min

Lab File: VY009651.D

Acq: 22 Jul 2022 11:33

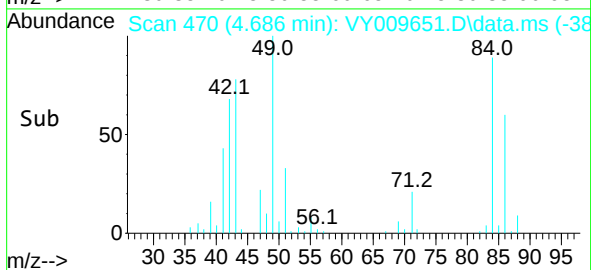
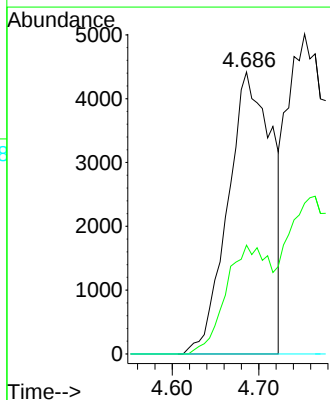
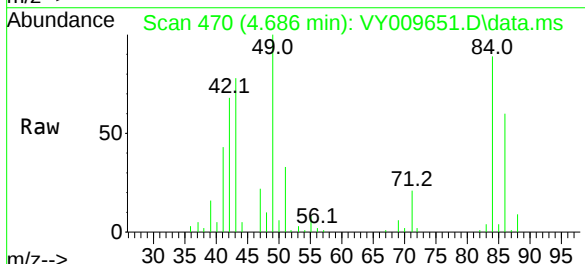
Tgt Ion: 41 Resp: 15574

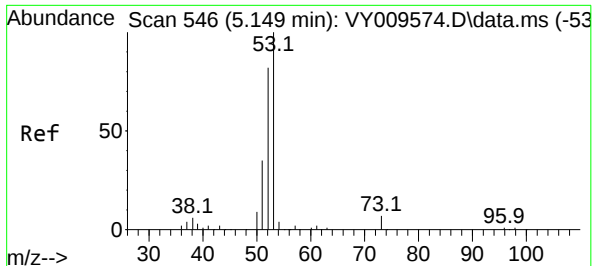
Ion Ratio Lower Upper

41 100

39 37.9 58.8 88.2#

76 0.0 25.1 37.7#





#15

Acrylonitrile

Concen: 1.952 ug/l

RT: 5.210 min Scan# 51

Delta R.T. 0.061 min

Lab File: VY009651.D

Acq: 22 Jul 2022 11:33

Instrument :

MSVOA_Y

ClientSampleId :

DL-1(5-5.5)

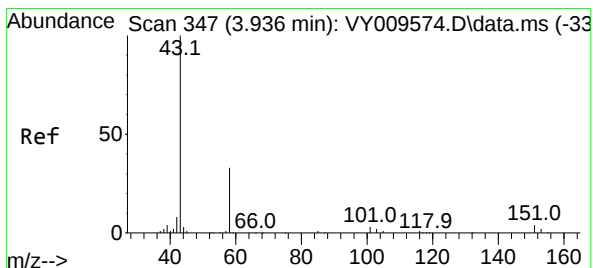
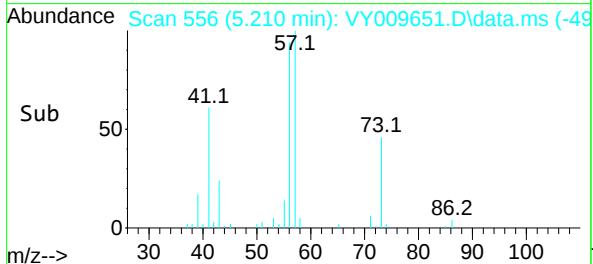
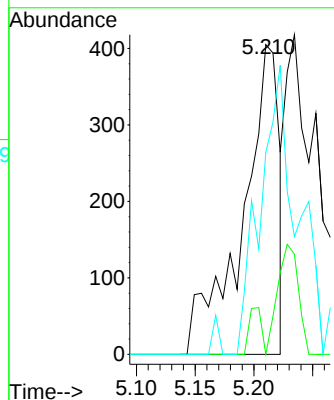
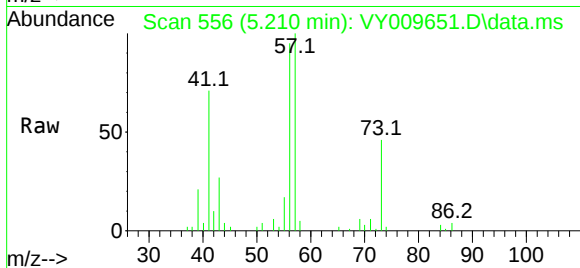
Tgt Ion: 53 Resp: 875

Ion Ratio Lower Upper

53 100

52 5.0 67.0 100.4#

51 0.0 29.8 44.6#



#16

Acetone

Concen: 39.325 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009651.D

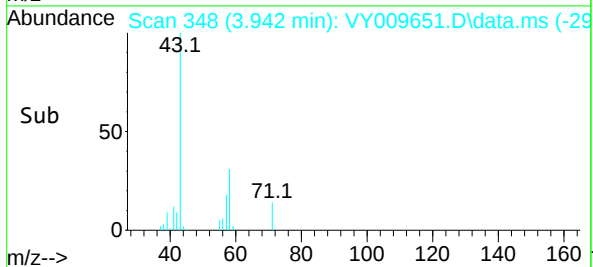
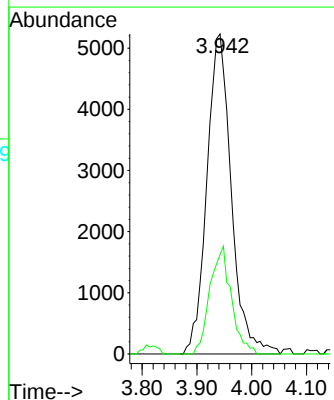
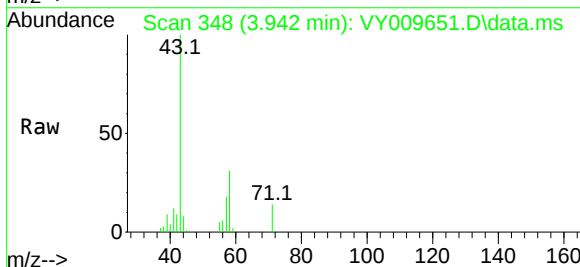
Acq: 22 Jul 2022 11:33

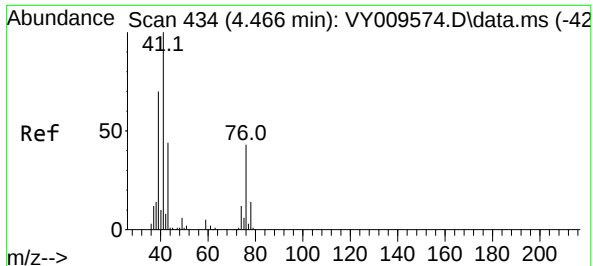
Tgt Ion: 43 Resp: 16197

Ion Ratio Lower Upper

43 100

58 31.0 22.0 33.0

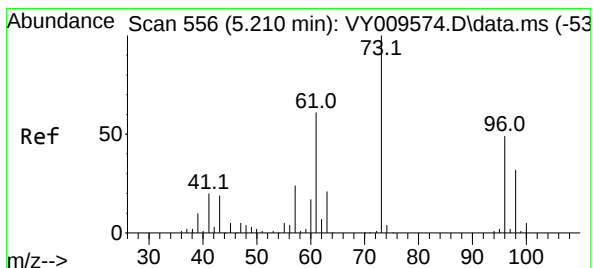
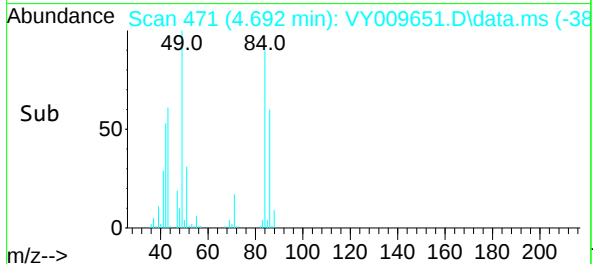
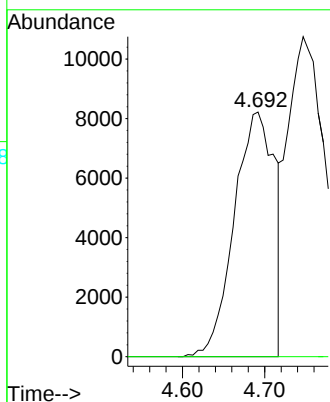
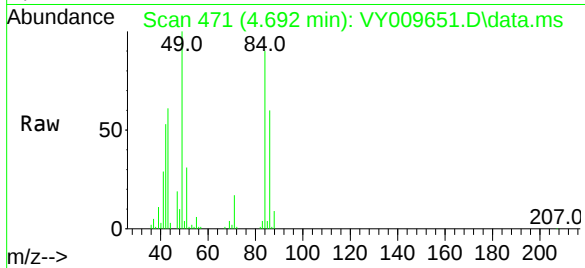




#18
Methyl Acetate
Concen: 24.270 ug/l
RT: 4.692 min Scan# 41
Delta R.T. 0.226 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

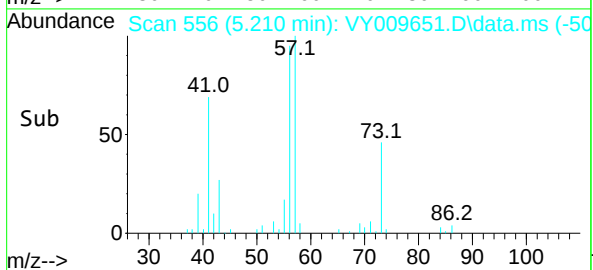
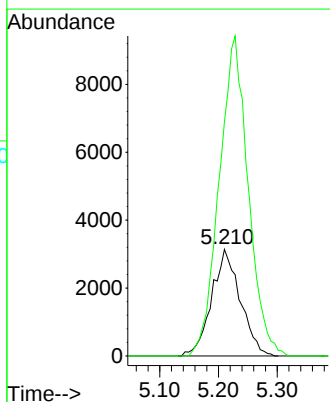
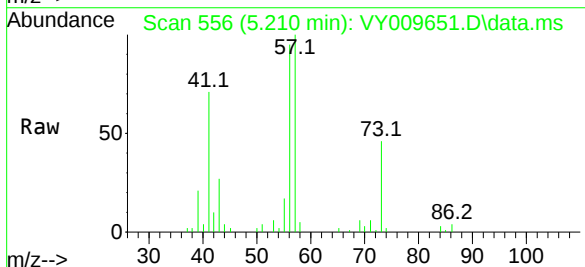
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(5-5.5)

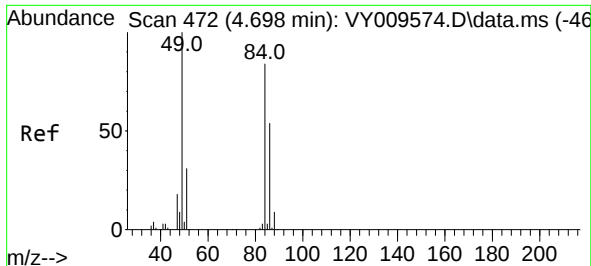
Tgt Ion: 43 Resp: 28060
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#19
Methyl tert-butyl Ether
Concen: 2.552 ug/l
RT: 5.210 min Scan# 556
Delta R.T. -0.000 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

Tgt Ion: 73 Resp: 10648
Ion Ratio Lower Upper
73 100
57 219.8 18.6 27.8#

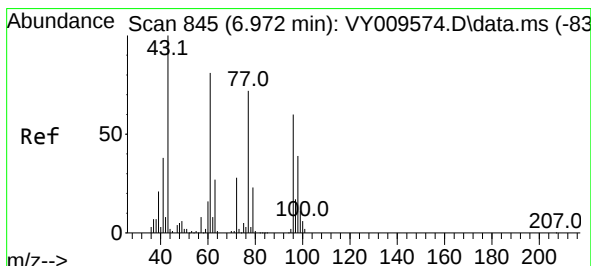
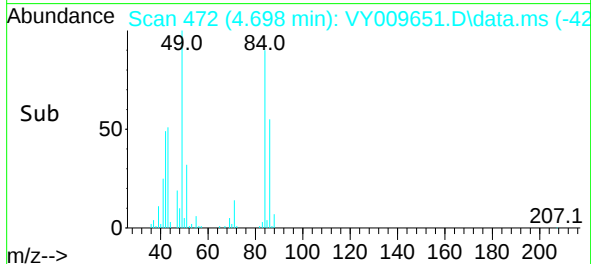
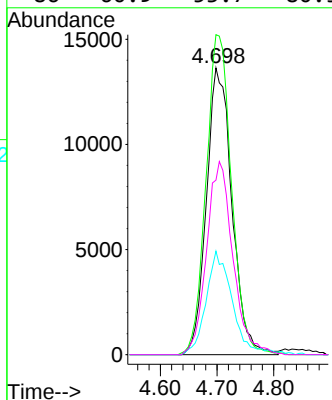
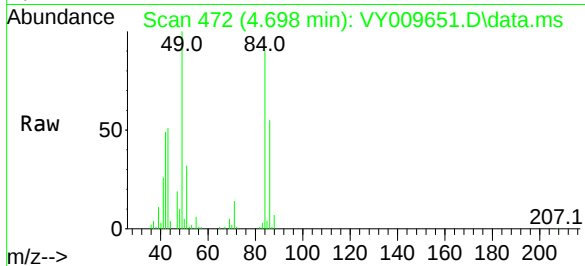




#20
Methylene Chloride
Concen: 13.444 ug/l
RT: 4.698 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

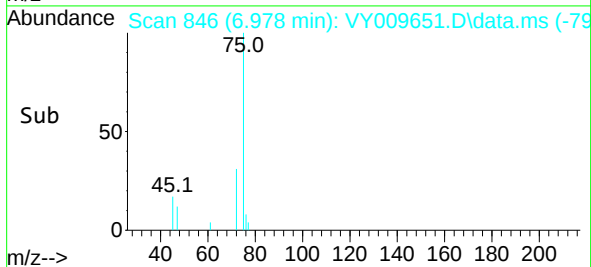
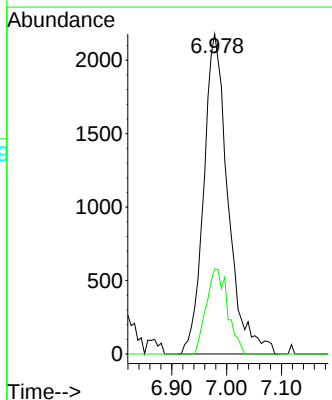
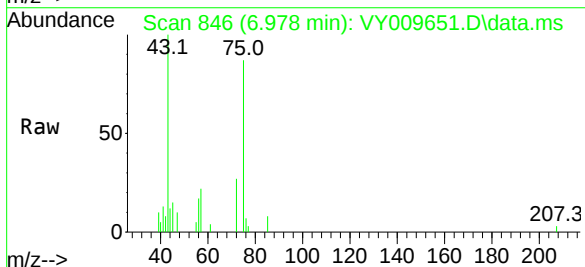
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(5-5.5)

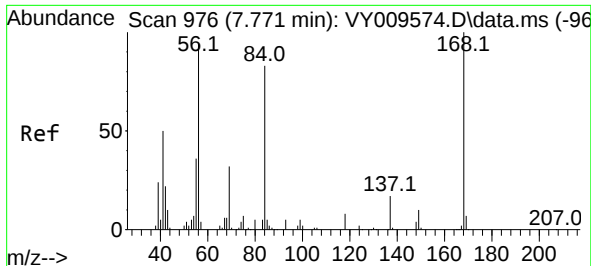
Tgt Ion:	84	Resp:	42684
Ion	Ratio	Lower	Upper
84	100		
49	111.6	114.4	171.6#
51	36.1	35.3	52.9
86	60.9	53.7	80.5



#25
2-Butanone
Concen: 11.179 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

Tgt Ion:	43	Resp:	6716
Ion	Ratio	Lower	Upper
43	100		
72	26.6	17.7	26.5#

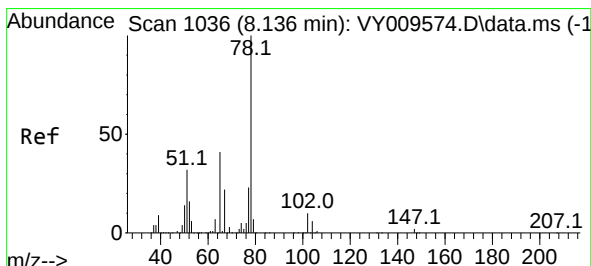
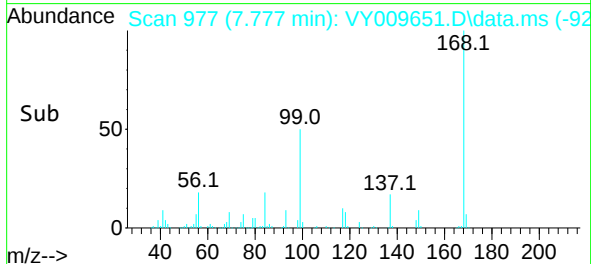
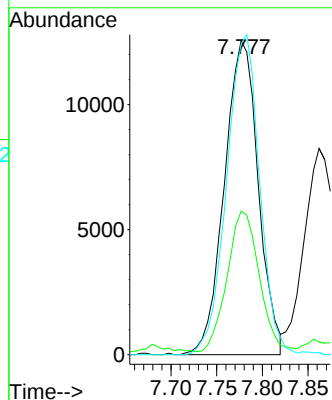
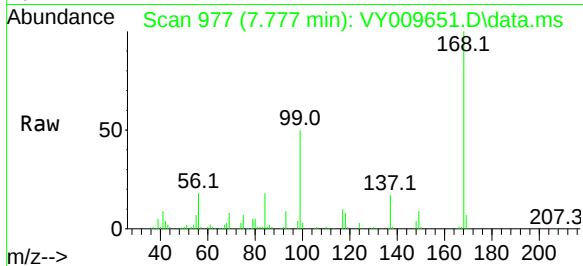




#31
Cyclohexane
Concen: 11.282 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

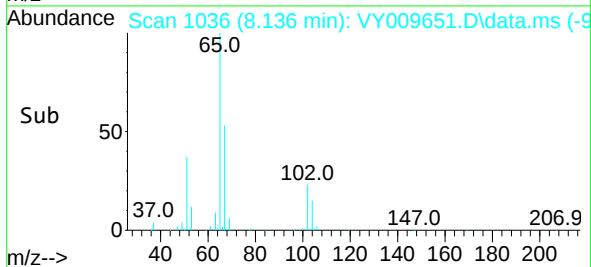
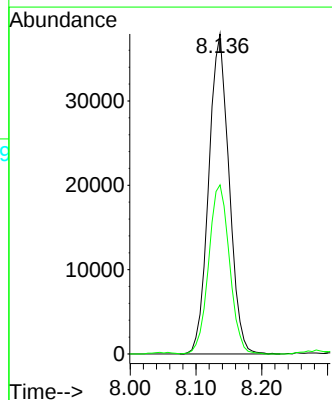
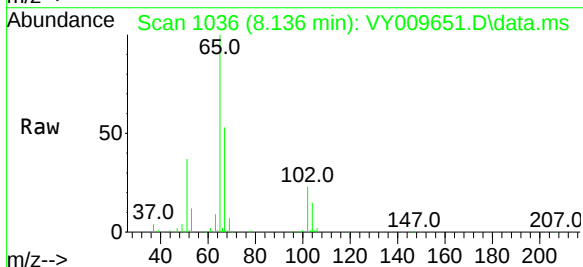
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DL-1(5-5.5)

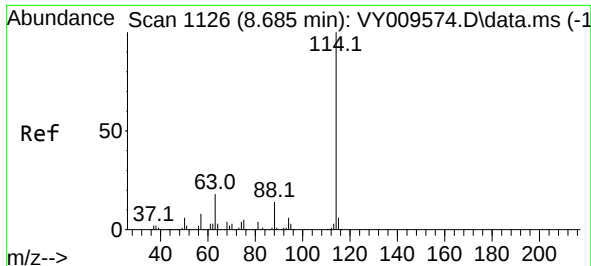
Tgt Ion: 56 Resp: 32389
Ion Ratio Lower Upper
56 100
69 44.0 26.7 40.1#
84 98.9 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 50.073 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

Tgt Ion: 65 Resp: 81527
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009651.D

Acq: 22 Jul 2022 11:33

Instrument :

MSVOA_Y

ClientSampleId :

DL-1(5-5.5)

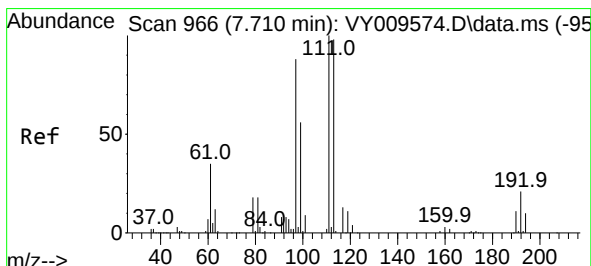
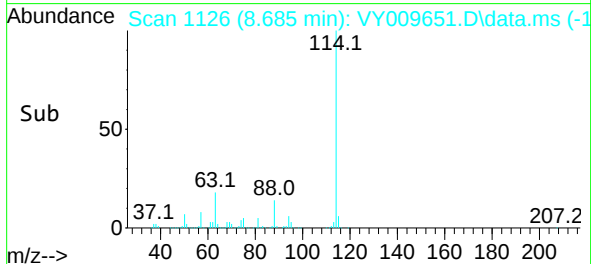
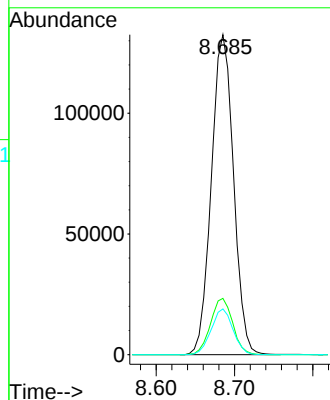
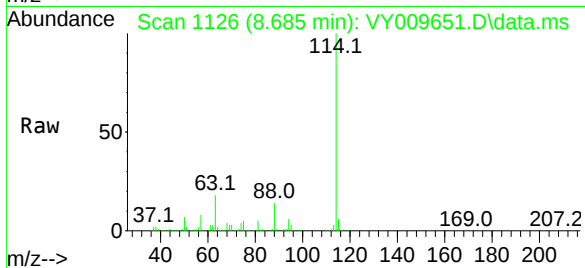
Tgt Ion:114 Resp: 260482

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.902 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009651.D

Acq: 22 Jul 2022 11:33

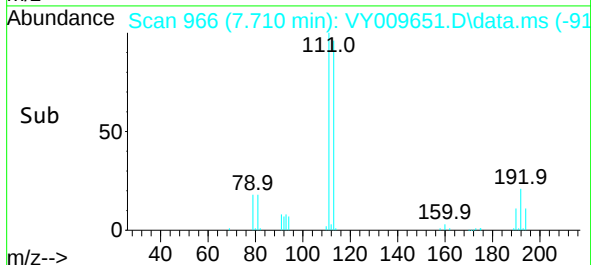
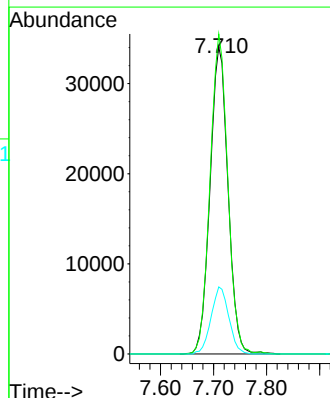
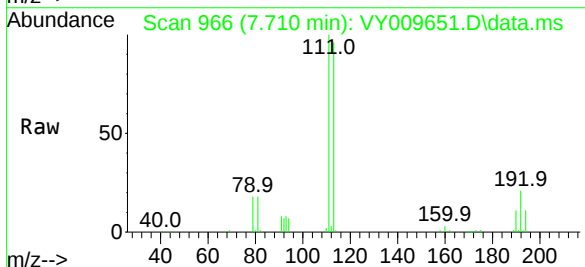
Tgt Ion:113 Resp: 80249

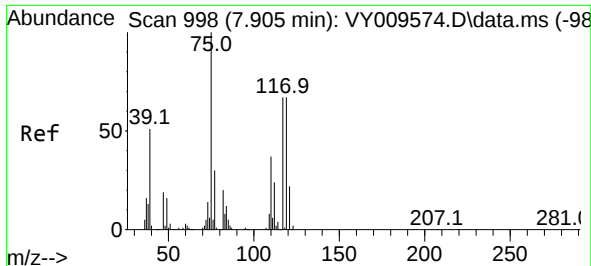
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 21.6 17.6 26.4

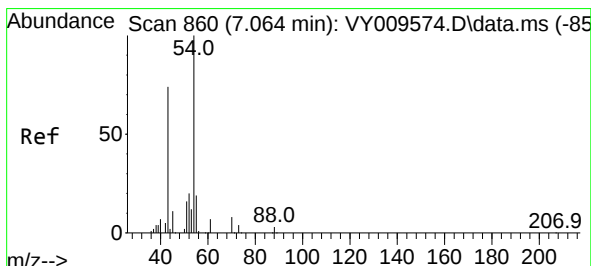
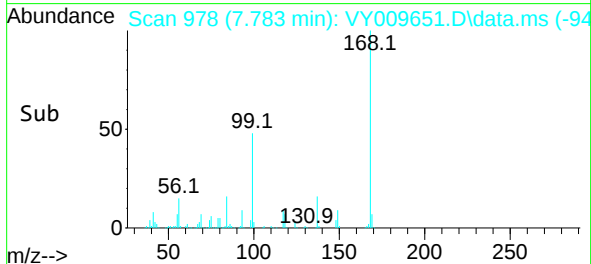
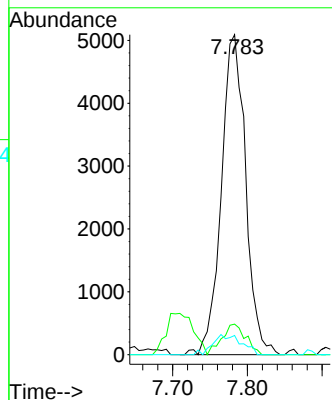
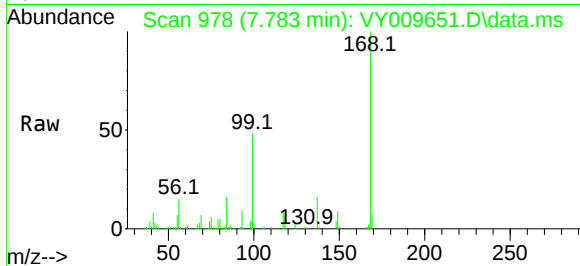




#36
1,1-Dichloropropene
Concen: 4.751 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

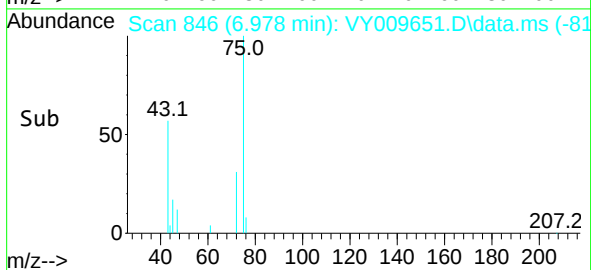
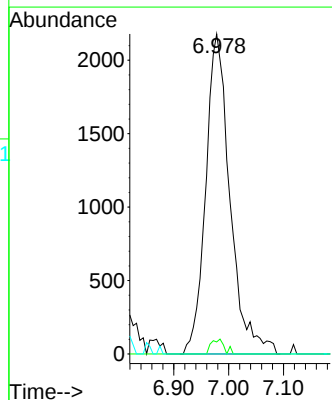
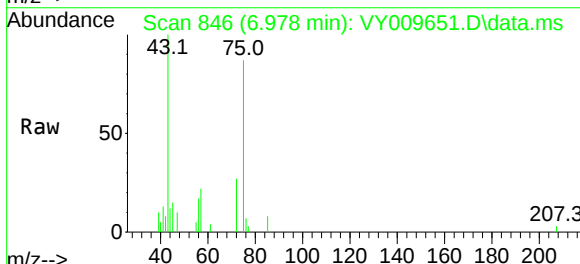
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(5-5.5)

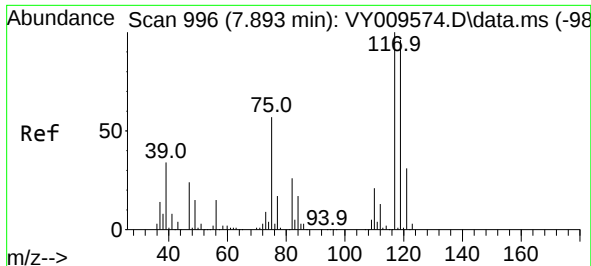
Tgt Ion: 75 Resp: 11520
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 7.3 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.976 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.085 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

Tgt Ion: 43 Resp: 6716
Ion Ratio Lower Upper
43 100
61 2.5 9.7 14.5#
70 0.0 7.1 10.7#

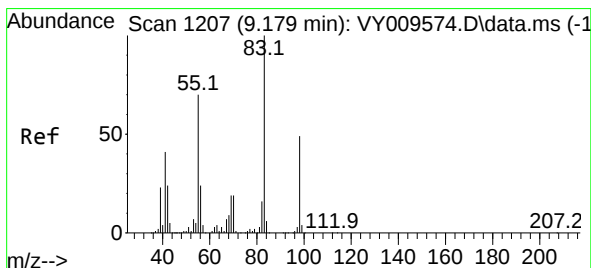
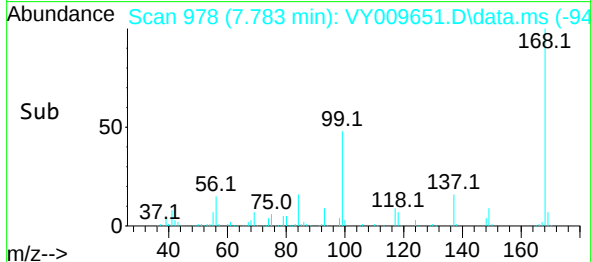
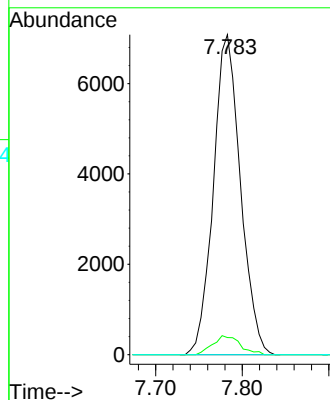
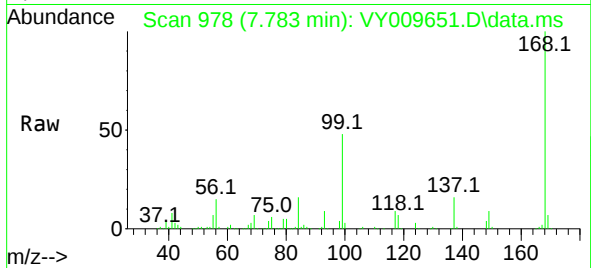




#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

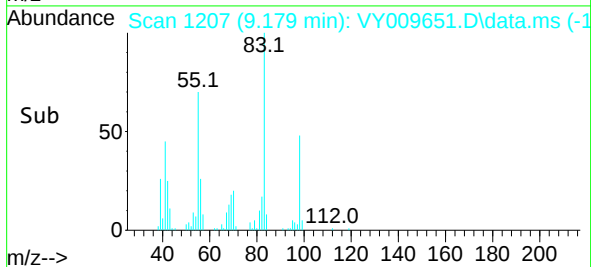
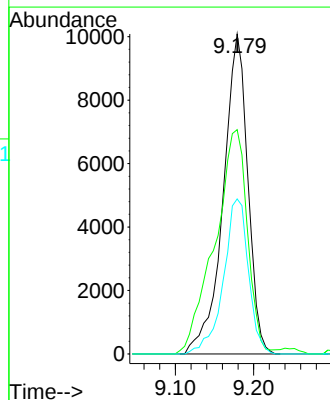
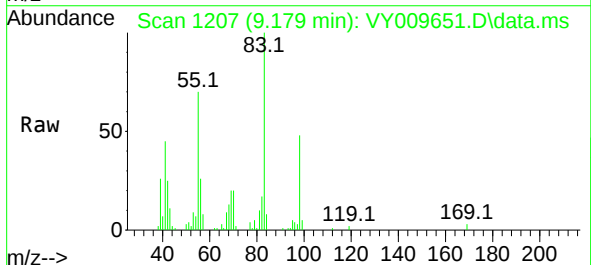
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(5-5.5)

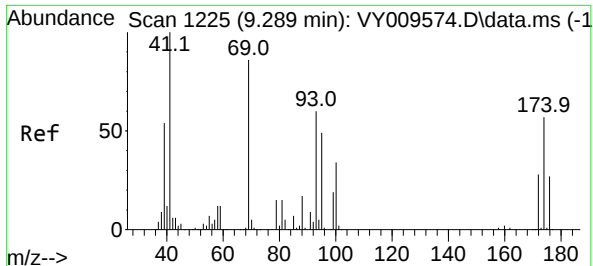
Tgt Ion:117 Resp: 15381
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 7.370 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

Tgt Ion: 83 Resp: 22036
Ion Ratio Lower Upper
83 100
55 69.0 66.5 99.7
98 48.5 37.9 56.9





#48

Methyl methacrylate

Concen: 1.214 ug/l

RT: 9.313 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY009651.D

Acq: 22 Jul 2022 11:33

Instrument :

MSVOA_Y

ClientSampleId :

DL-1(5-5.5)

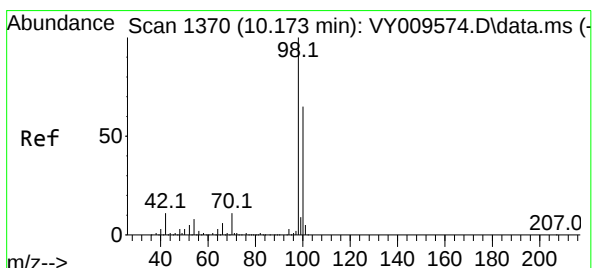
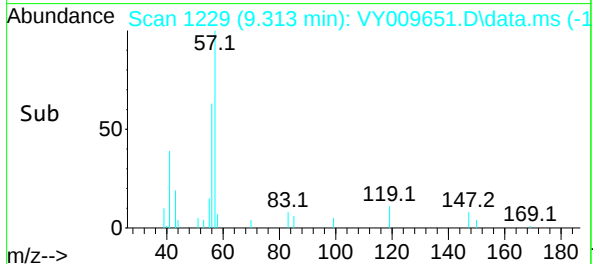
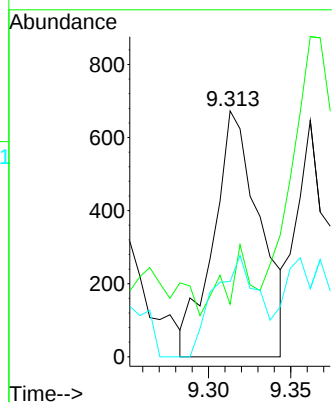
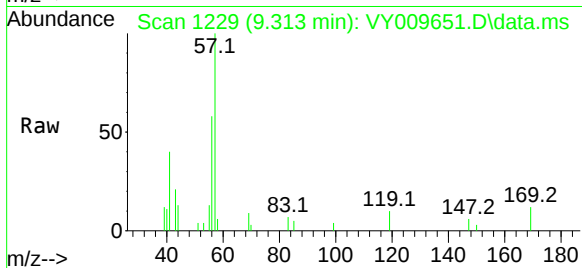
Tgt Ion: 41 Resp: 1326

Ion Ratio Lower Upper

41 100

69 14.9 58.2 87.2#

39 38.9 47.4 71.0#



#50

Toluene-d8

Concen: 47.743 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY009651.D

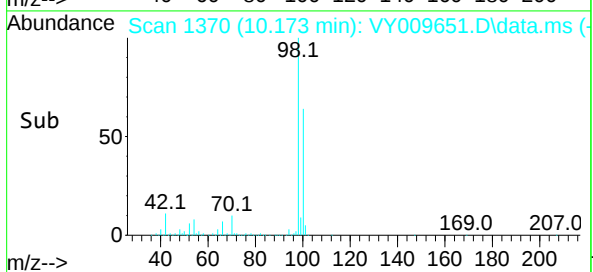
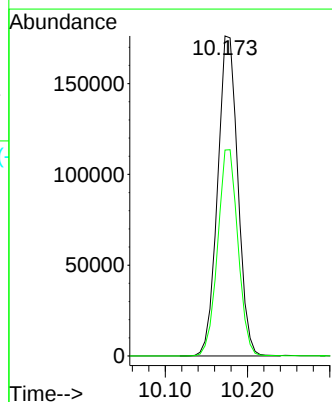
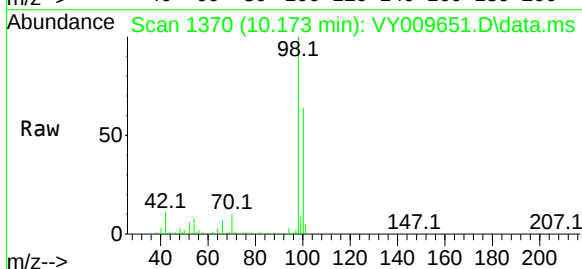
Acq: 22 Jul 2022 11:33

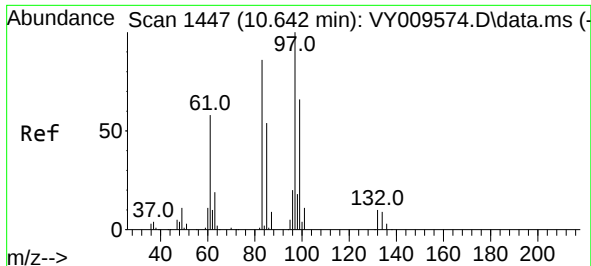
Tgt Ion: 98 Resp: 301190

Ion Ratio Lower Upper

98 100

100 64.7 50.2 75.2

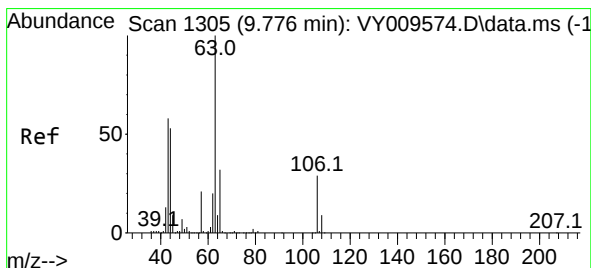
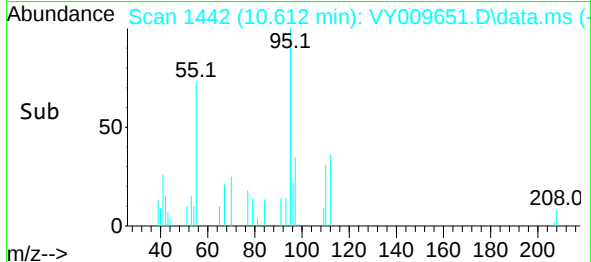
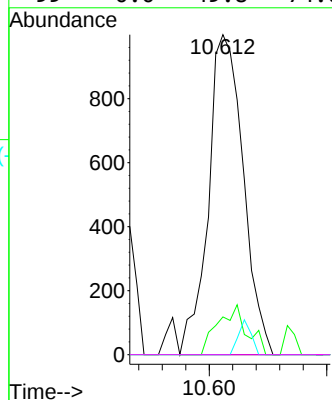
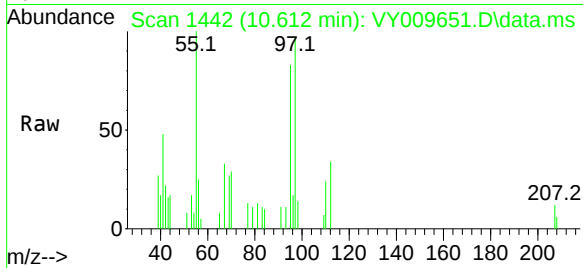




#55
 1,1,2-Trichloroethane
 Concen: 1.444 ug/l
 RT: 10.612 min Scan# 1447
 Delta R.T. -0.031 min
 Lab File: VY009651.D
 Acq: 22 Jul 2022 11:33

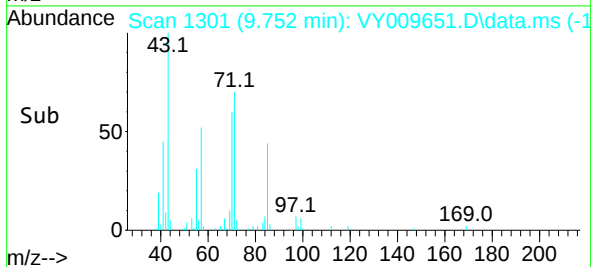
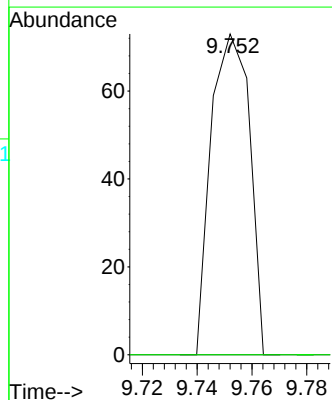
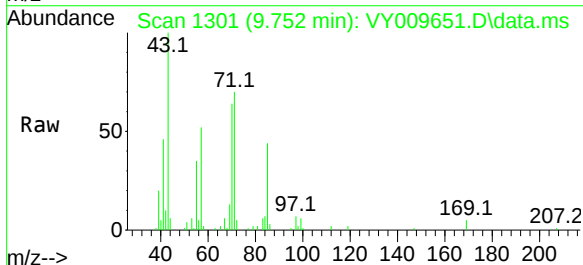
Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-1(5-5.5)

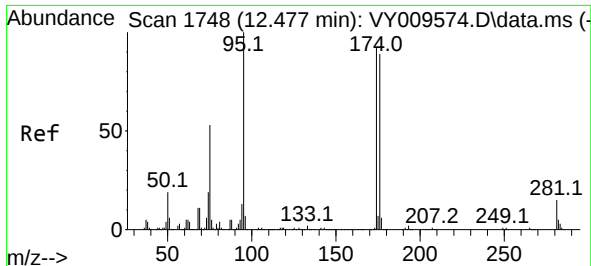
Tgt Ion: 97	Resp:	2056	
Ion	Ratio	Lower	Upper
97	100		
83	11.8	69.8	104.8#
85	0.0	44.3	66.5#
99	0.0	49.8	74.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.344 ug/l
 RT: 9.752 min Scan# 1301
 Delta R.T. -0.024 min
 Lab File: VY009651.D
 Acq: 22 Jul 2022 11:33

Tgt Ion: 63	Resp:	71	
Ion Ratio	Lower	Upper	
63 100			
106 0.0	21.5	32.3#	

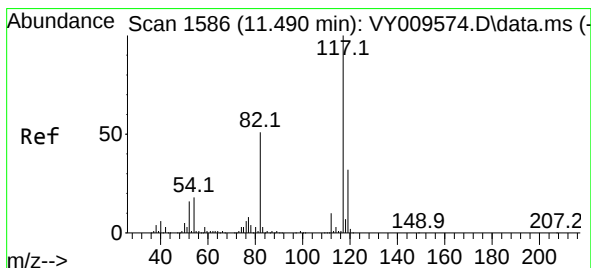
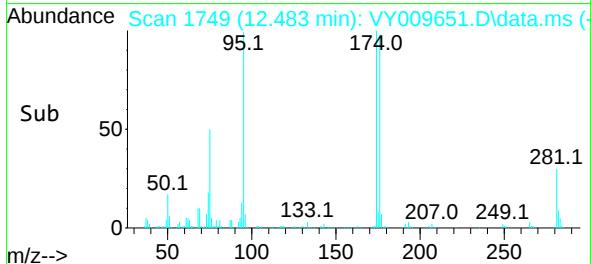
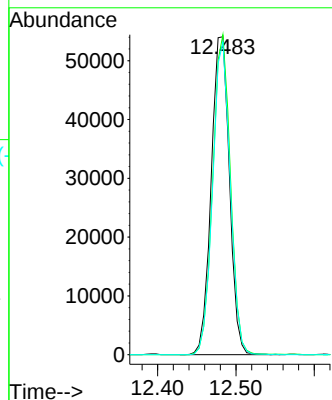
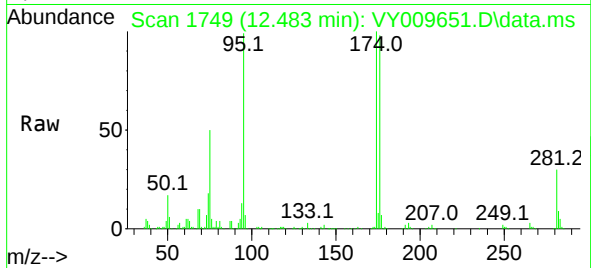




#62
4-Bromofluorobenzene
Concen: 42.647 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

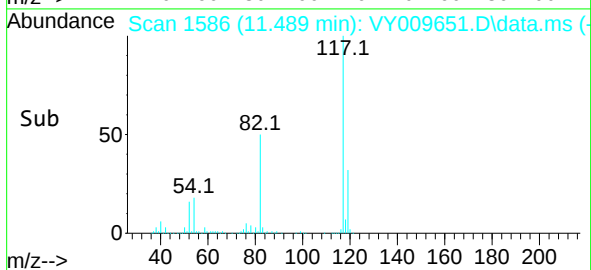
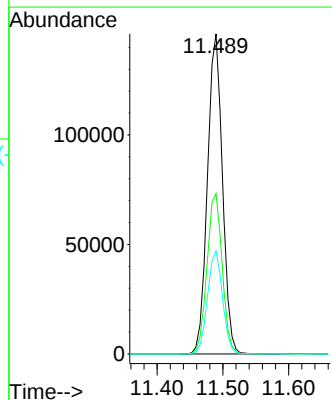
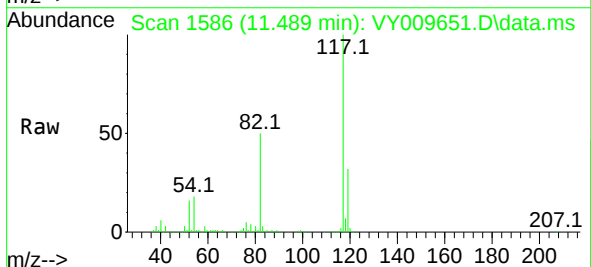
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(5-5.5)

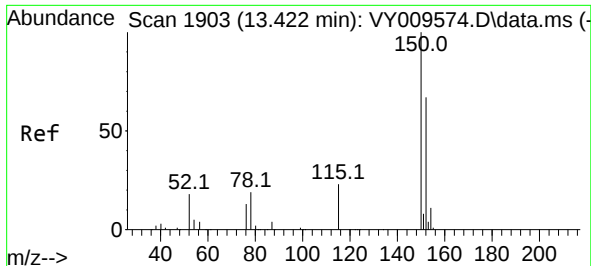
Tgt Ion: 95 Resp: 87177
Ion Ratio Lower Upper
95 100
174 98.0 0.0 177.0
176 94.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009651.D
Acq: 22 Jul 2022 11:33

Tgt Ion: 117 Resp: 231500
Ion Ratio Lower Upper
117 100
82 50.1 43.0 64.4
119 32.2 25.4 38.0

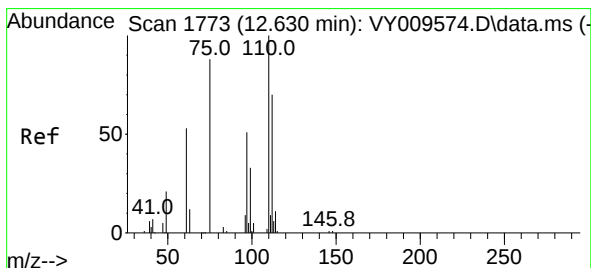
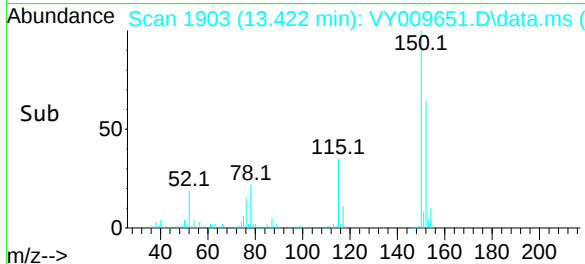
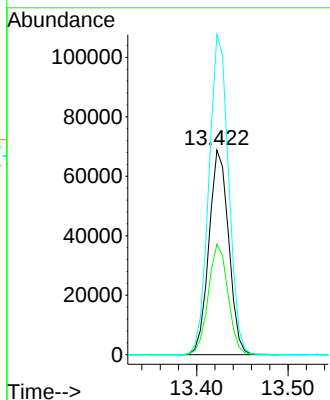
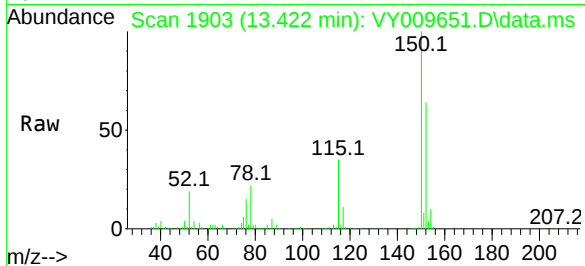




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY009651.D
 Acq: 22 Jul 2022 11:33

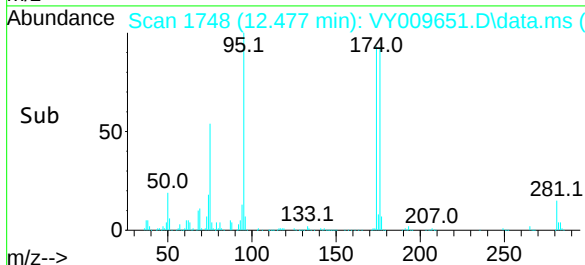
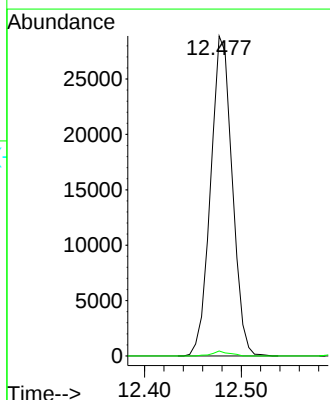
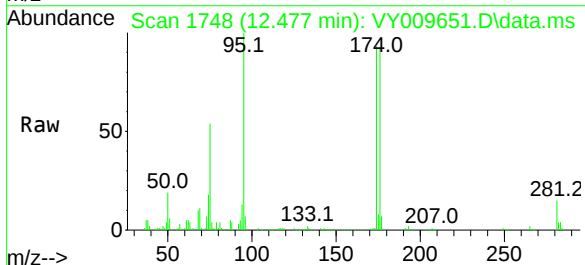
Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-1(5-5.5)

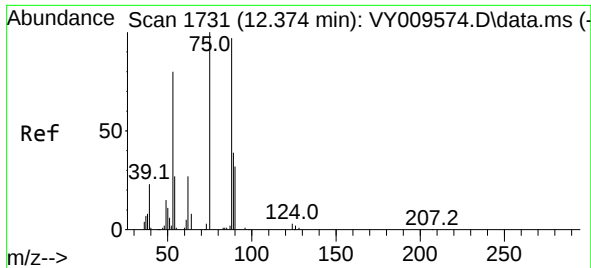
Tgt Ion:152 Resp: 103070
 Ion Ratio Lower Upper
 152 100
 115 53.9 28.2 84.7
 150 156.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 45.603 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009651.D
 Acq: 22 Jul 2022 11:33

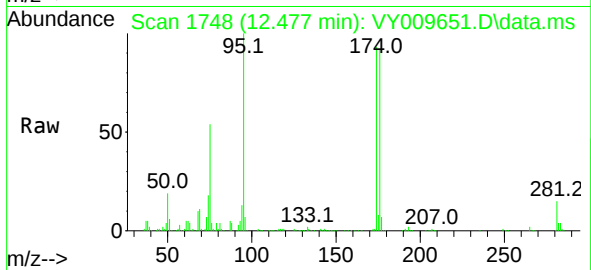
Tgt Ion: 75 Resp: 44776
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.920 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009651.D
 Acq: 22 Jul 2022 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-1(5-5.5)



Tgt Ion: 75 Resp: 44776
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.3 37.0 55.4#

