

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010581.D
 Acq On : 20 Sep 2022 17:34
 Operator : KP/MD
 Sample : N4697-07
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:21:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

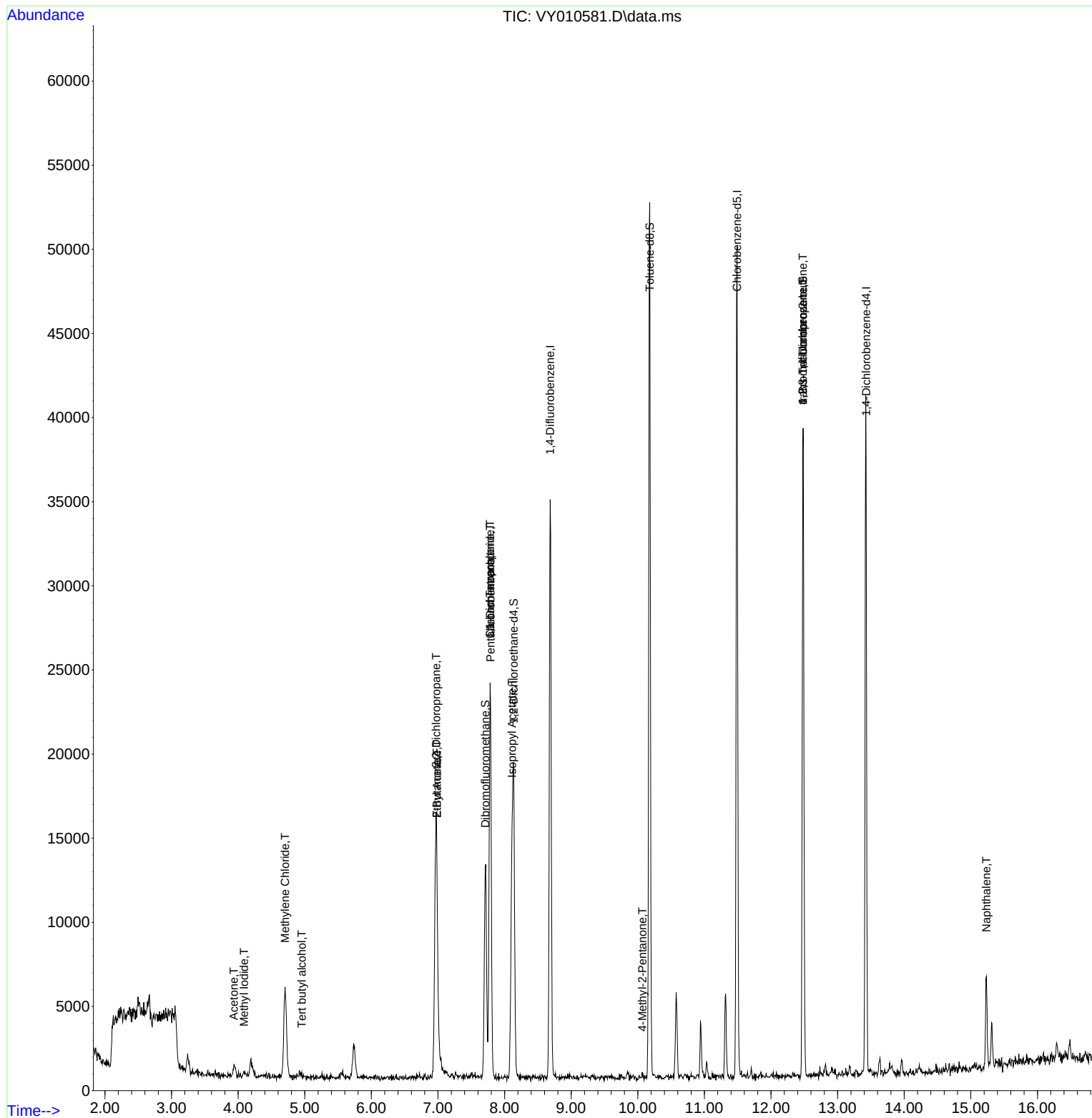
Internal Standards						
1) Pentafluorobenzene	7.789	168	18506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	31097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	27666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10851	61.303	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.600%			
35) Dibromofluoromethane	7.710	113	9235	46.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.060%			
50) Toluene-d8	10.179	98	35659	48.703	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.400%			
62) 4-Bromofluorobenzene	12.477	95	10365	37.396	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	159	Below Cal	#	43
3) Chloromethane	2.107	50	479	Below Cal		96
4) Vinyl Chloride	2.223	62	18	Below Cal	#	43
5) Bromomethane	2.668	94	433	Below Cal	#	80
10) Methyl Iodide	4.088	142	440	2.603	ug/l #	61
11) Tert butyl alcohol	4.954	59	612	28.758	ug/l #	77
16) Acetone	3.936	43	1041	28.840	ug/l	90
18) Methyl Acetate	4.186	43	67	Below Cal	#	56
20) Methylene Chloride	4.704	84	4033	11.965	ug/l #	76
25) 2-Butanone	6.984	43	945	16.738	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	1225	4.564	ug/l #	55
31) Cyclohexane	7.771	56	418	Below Cal	#	42
36) 1,1-Dichloropropene	7.783	75	1510	6.829	ug/l #	46
37) Ethyl Acetate	6.984	43	945	7.399	ug/l #	5
38) Carbon Tetrachloride	7.783	117	1924	7.567	ug/l #	11
43) Isopropyl Acetate	8.112	43	326	1.392	ug/l #	28
51) 4-Methyl-2-Pentanone	10.069	43	214	1.619	ug/l #	76
76) 1,2,3-Trichloropropane	12.477	75	5415	52.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5415	116.254	ug/l #	7
95) Naphthalene	15.233	128	4988	14.066	ug/l	99

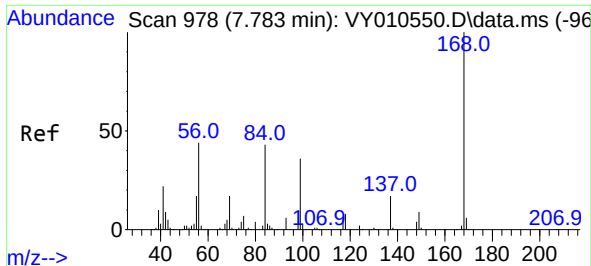
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration

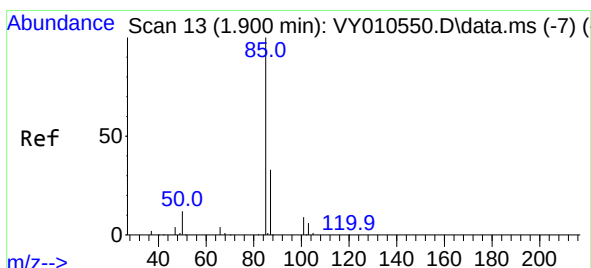
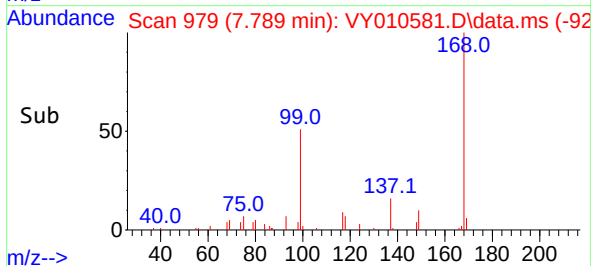
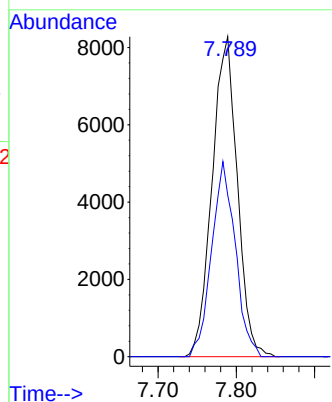
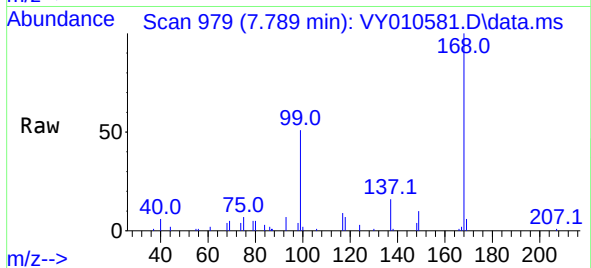




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

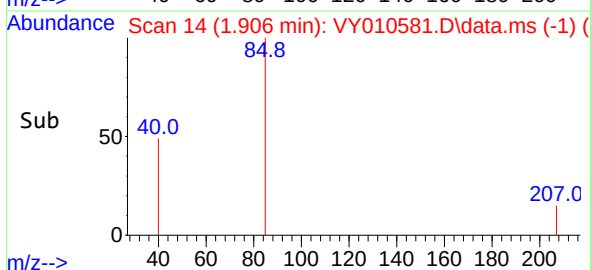
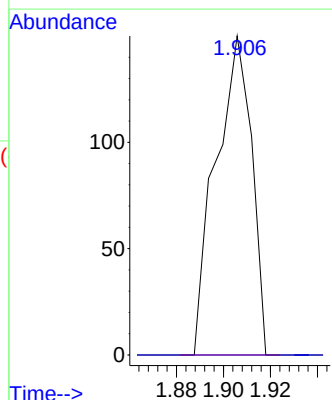
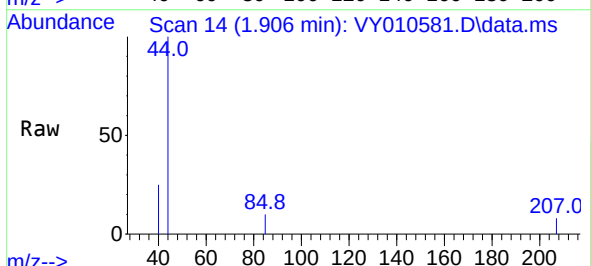
Instrument :
MSVOA_Y
ClientSampleId :

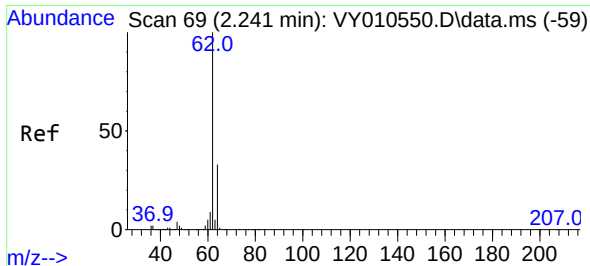
Tgt Ion:168 Resp: 18506
Ion Ratio Lower Upper
168 100
99 50.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Tgt Ion: 85 Resp: 159
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

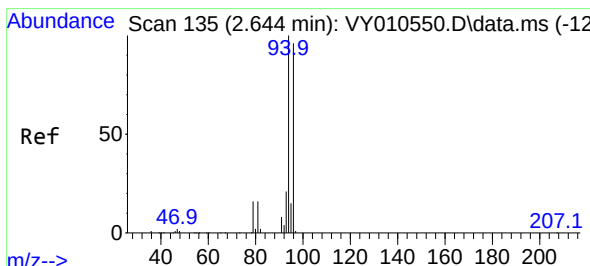
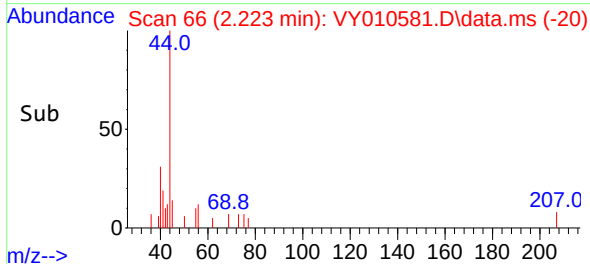
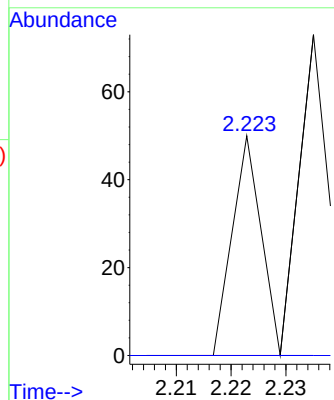
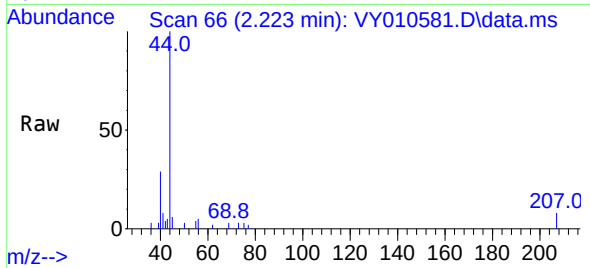




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.223 min Scan# 61
 Delta R.T. -0.018 min
 Lab File: VY010581.D
 Acq: 20 Sep 2022 17:34

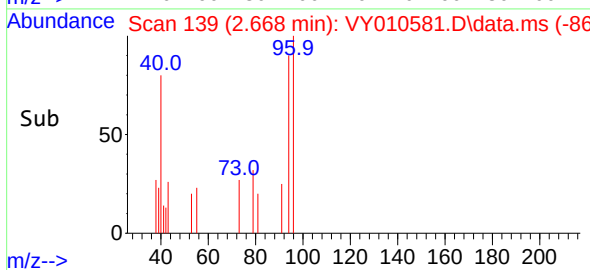
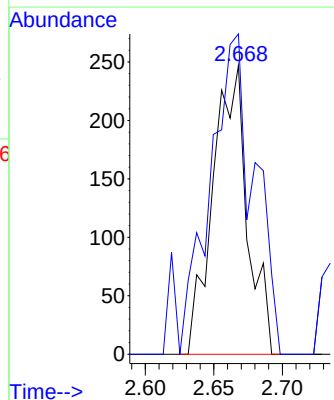
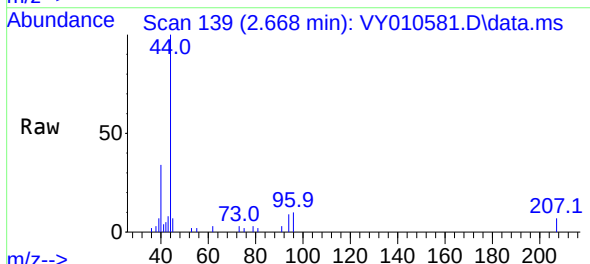
Instrument :
 MSVOA_Y
 ClientSampleId :

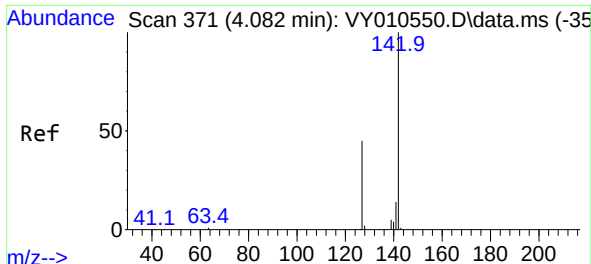
Tgt Ion: 62 Resp: 18
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.668 min Scan# 139
 Delta R.T. 0.024 min
 Lab File: VY010581.D
 Acq: 20 Sep 2022 17:34

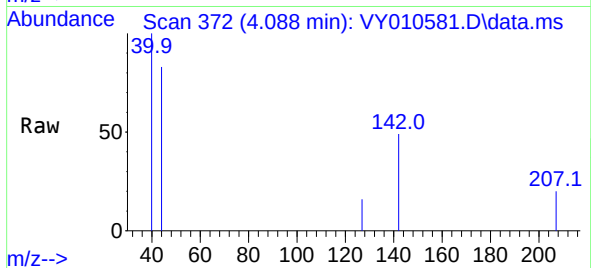
Tgt Ion: 94 Resp: 433
 Ion Ratio Lower Upper
 94 100
 96 110.9 73.5 110.3#



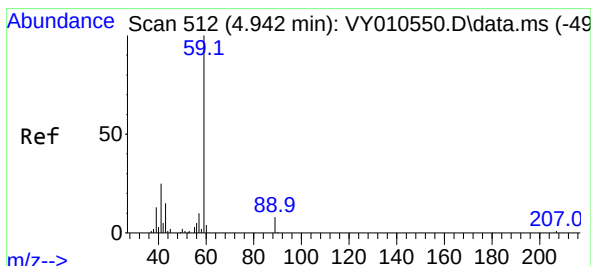
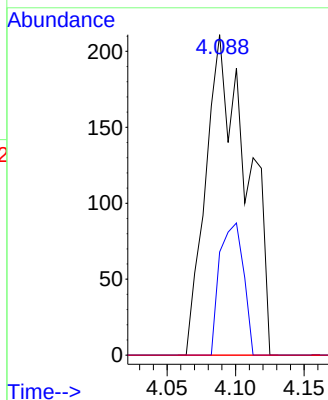
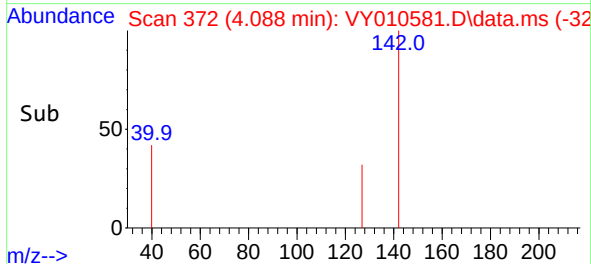


#10
Methyl Iodide
Concen: 2.603 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Instrument :
MSVOA_Y
ClientSampleId :

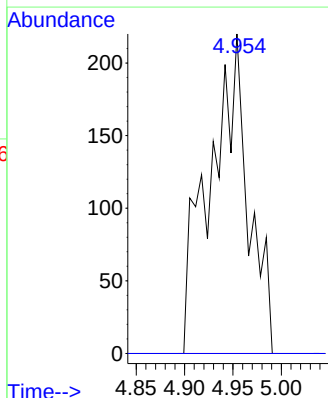
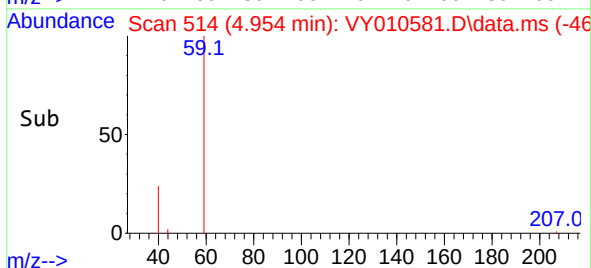
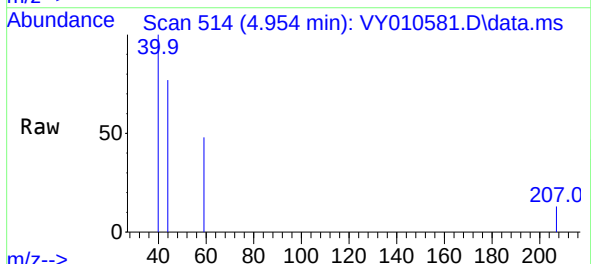


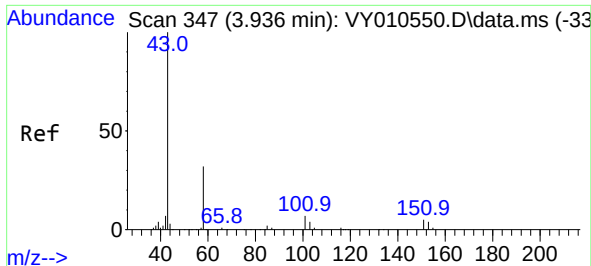
Tgt Ion:142 Resp: 440
Ion Ratio Lower Upper
142 100
127 23.9 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 28.758 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Tgt Ion: 59 Resp: 612
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

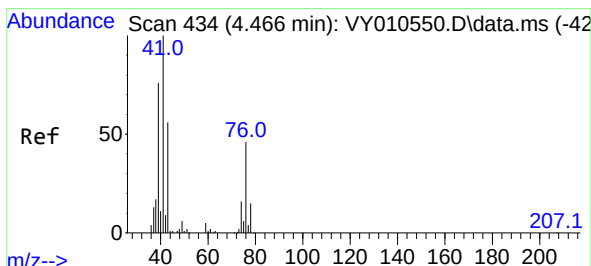
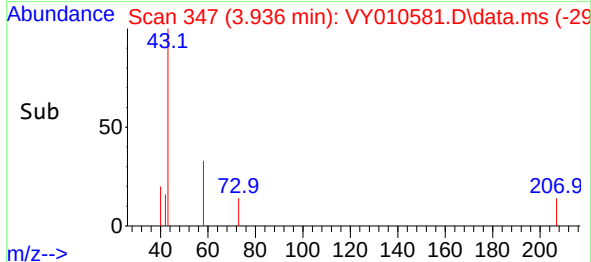
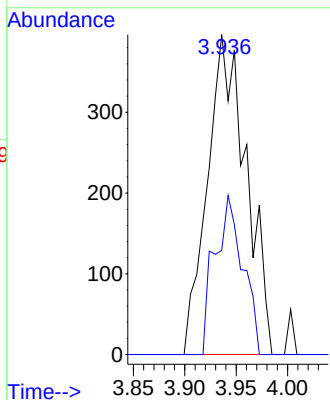
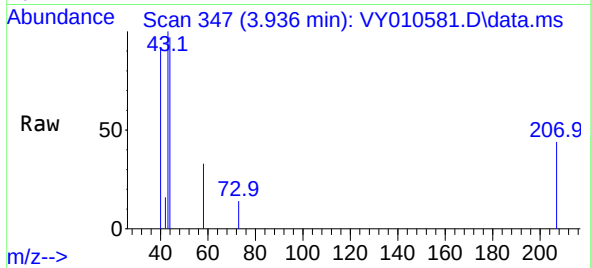




#16
Acetone
Concen: 28.840 ug/l
RT: 3.936 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

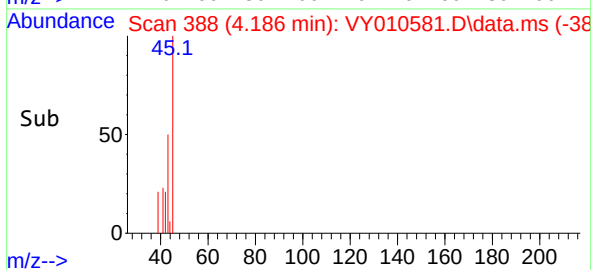
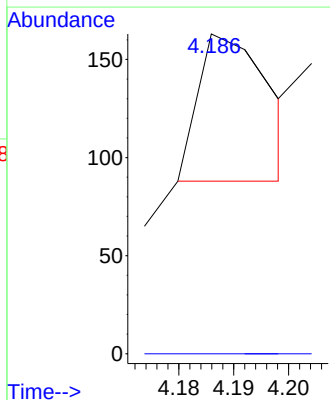
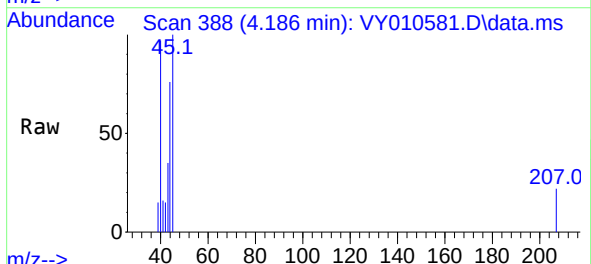
Instrument :
MSVOA_Y
ClientSampleId :

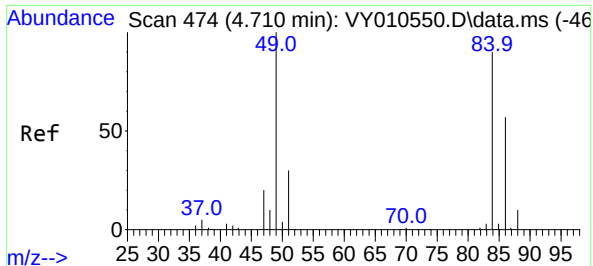
Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
58 32.6 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. -0.280 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

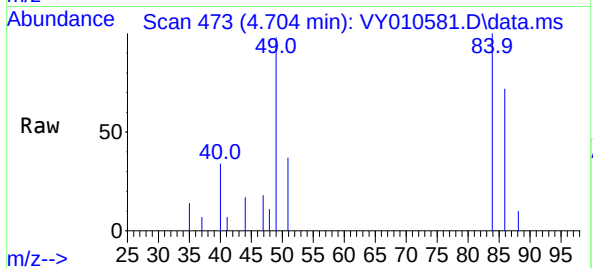
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





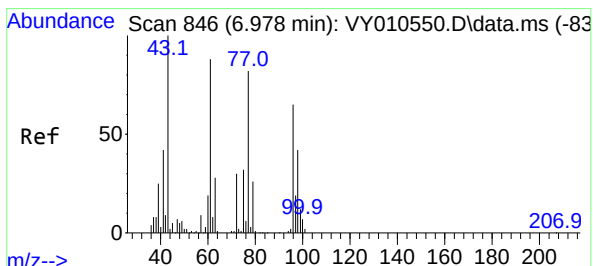
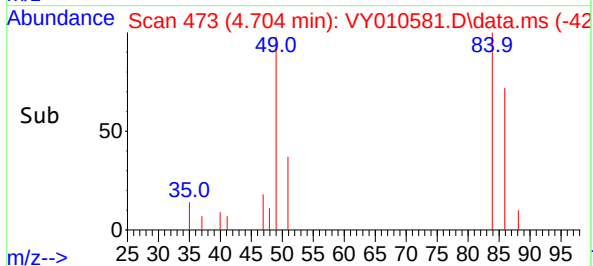
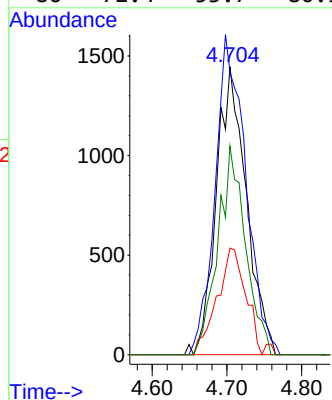
#20
Methylene Chloride
Concen: 11.965 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 4033

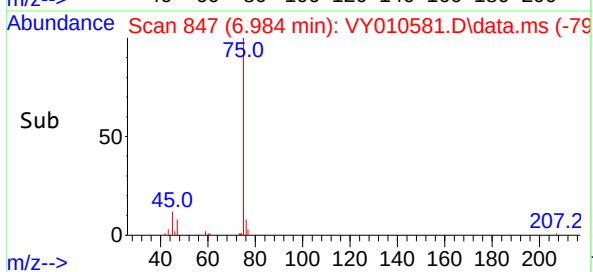
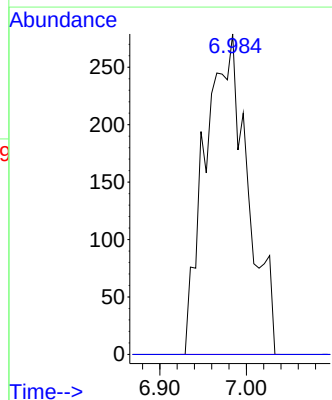
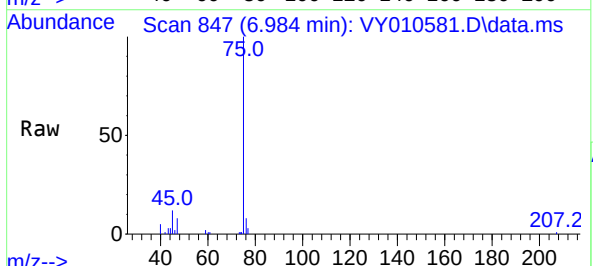
Ion	Ratio	Lower	Upper
84	100		
49	98.3	114.4	171.6#
51	37.0	35.3	52.9
86	72.4	53.7	80.5

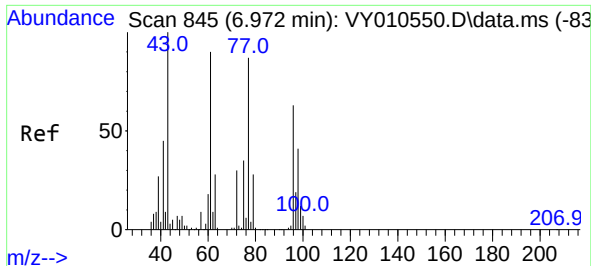


#25
2-Butanone
Concen: 16.738 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Tgt Ion: 43 Resp: 945

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 4.564 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

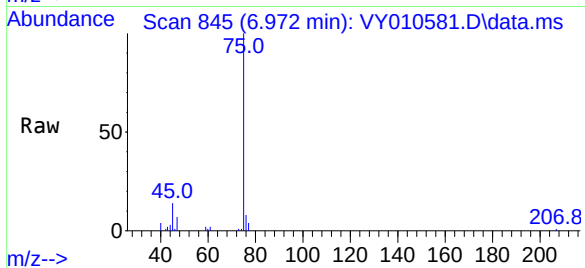
Lab File: VY010581.D

Acq: 20 Sep 2022 17:34

Instrument :

MSVOA_Y

ClientSampleId :

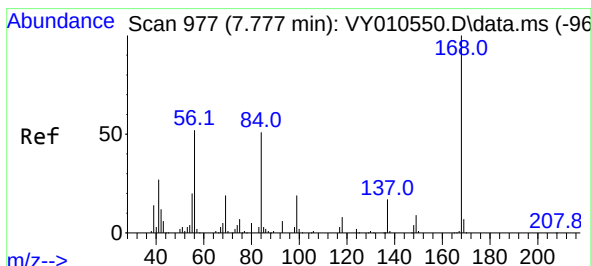
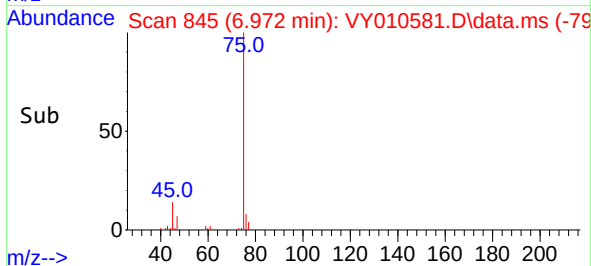
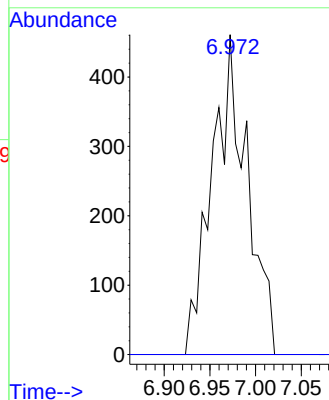


Tgt Ion: 77 Resp: 1225

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.771 min Scan# 976

Delta R.T. -0.006 min

Lab File: VY010581.D

Acq: 20 Sep 2022 17:34

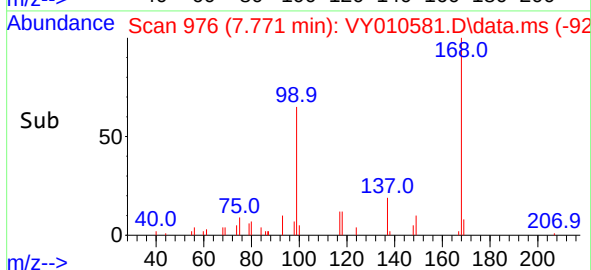
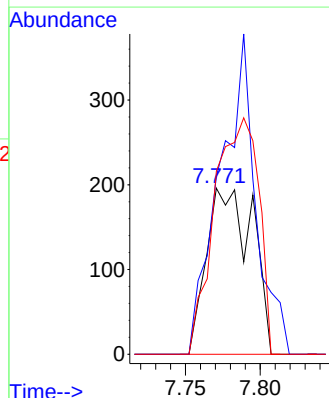
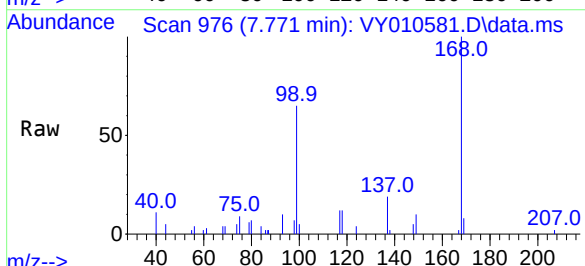
Tgt Ion: 56 Resp: 418

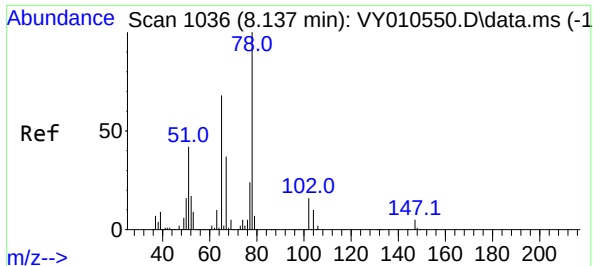
Ion Ratio Lower Upper

56 100

69 107.1 26.7 40.1#

84 110.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.303 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010581.D

Acq: 20 Sep 2022 17:34

Instrument :

MSVOA_Y

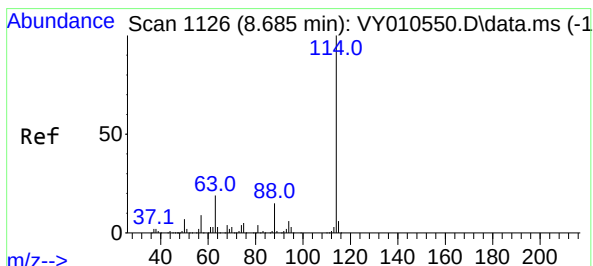
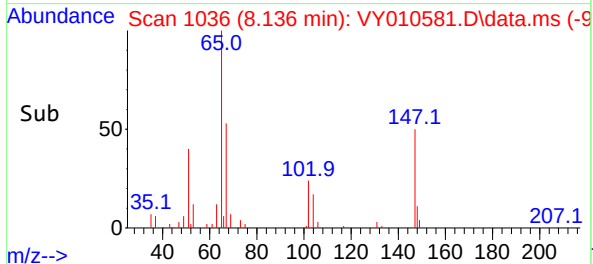
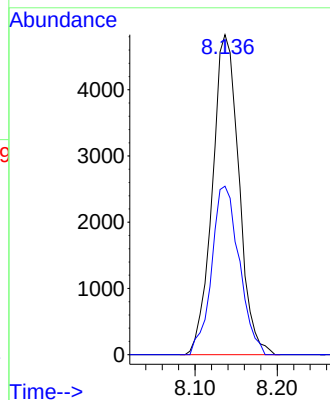
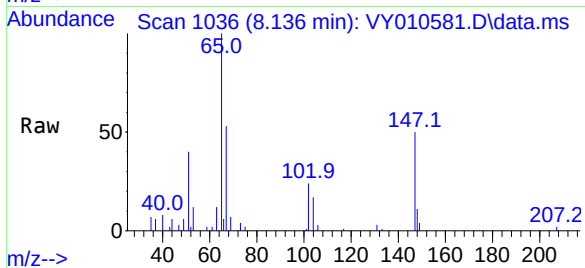
ClientSampleId :

Tgt Ion: 65 Resp: 10851

Ion Ratio Lower Upper

65 100

67 54.7 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: VY010581.D

Acq: 20 Sep 2022 17:34

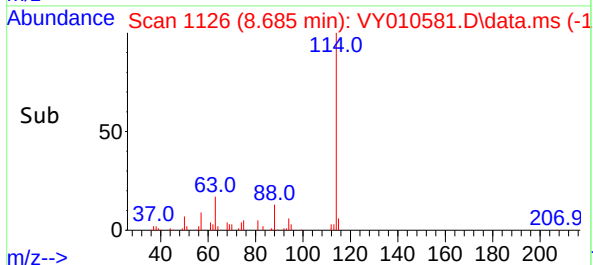
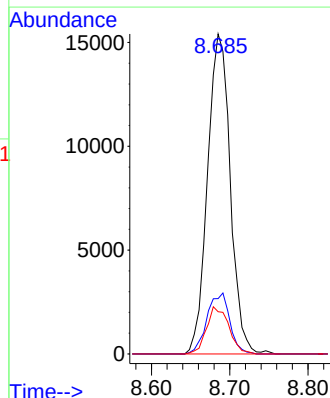
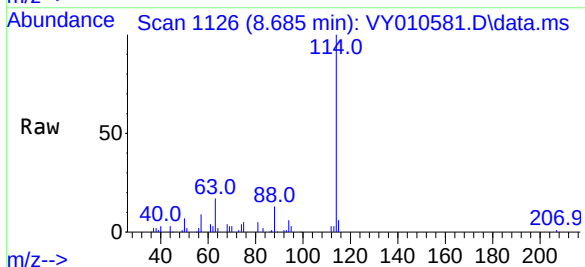
Tgt Ion: 114 Resp: 31097

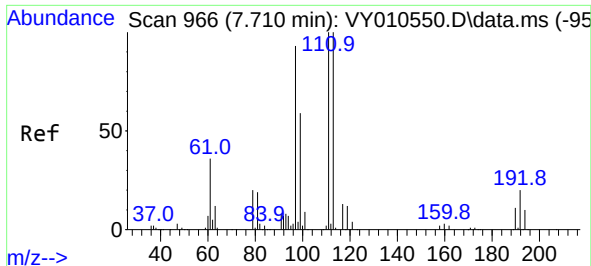
Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

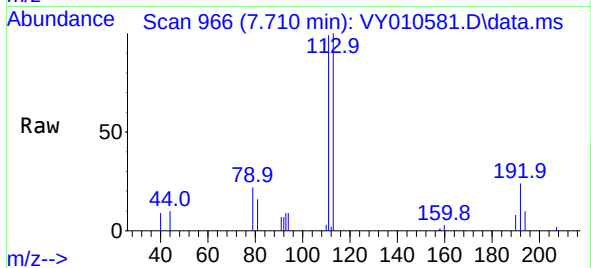
88 13.2 0.0 31.8



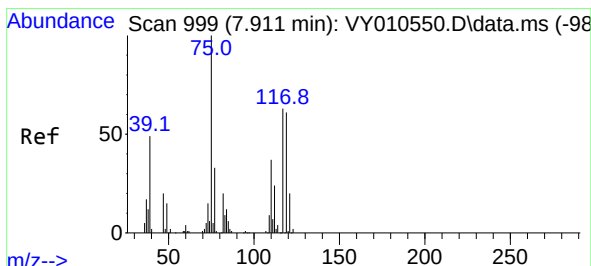
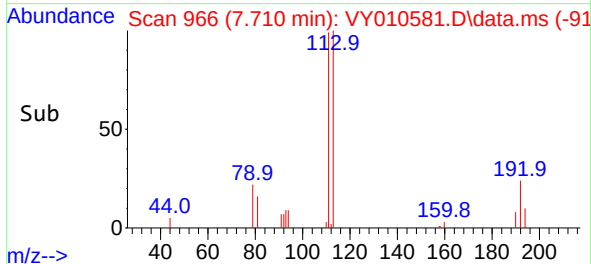
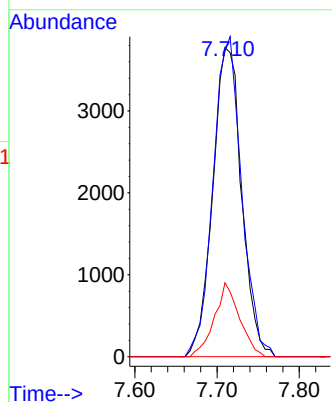


#35
Dibromofluoromethane
Concen: 46.533 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Instrument :
MSVOA_Y
ClientSampleId :

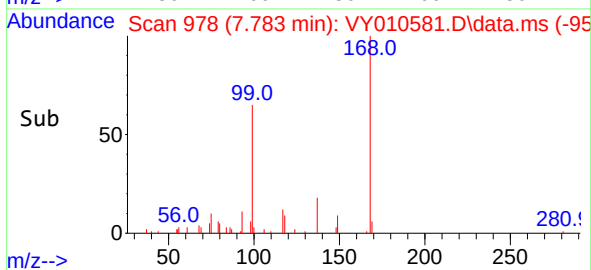
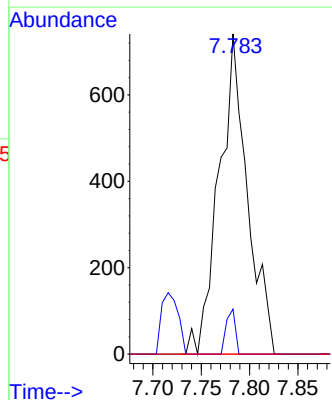
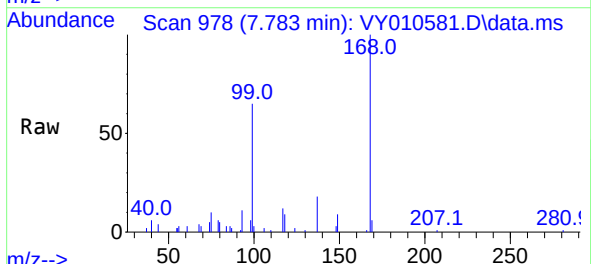


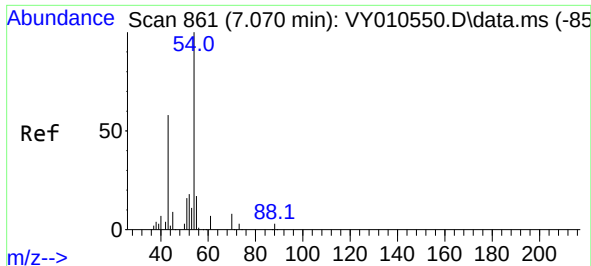
Tgt Ion:113 Resp: 9235
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 20.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.829 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Tgt Ion: 75 Resp: 1510
Ion Ratio Lower Upper
75 100
110 4.5 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.399 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

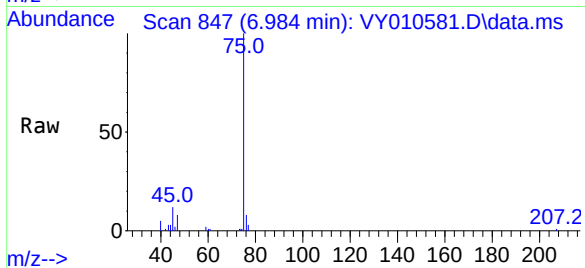
Lab File: VY010581.D

Acq: 20 Sep 2022 17:34

Instrument :

MSVOA_Y

ClientSampleId :



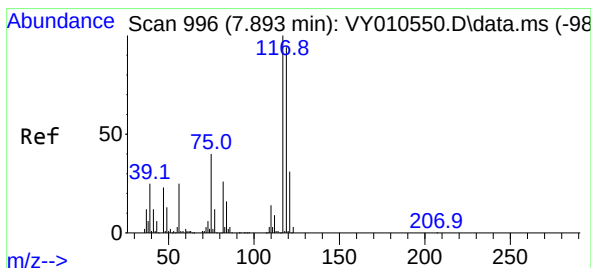
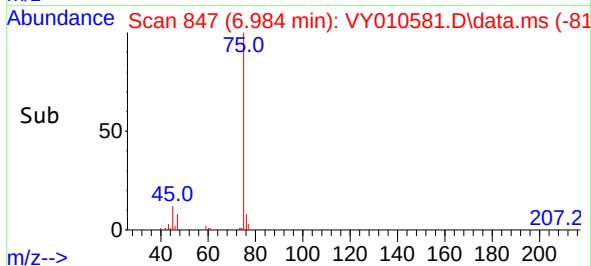
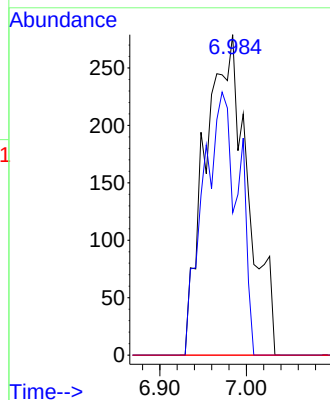
Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

61 69.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.567 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010581.D

Acq: 20 Sep 2022 17:34

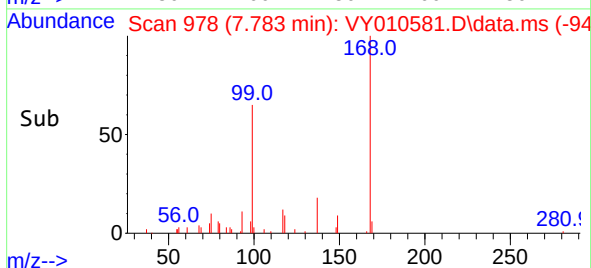
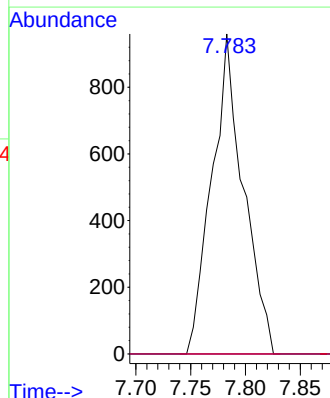
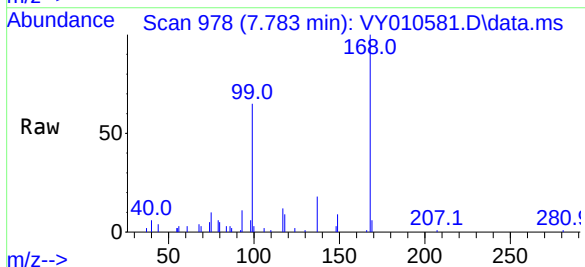
Tgt Ion: 117 Resp: 1924

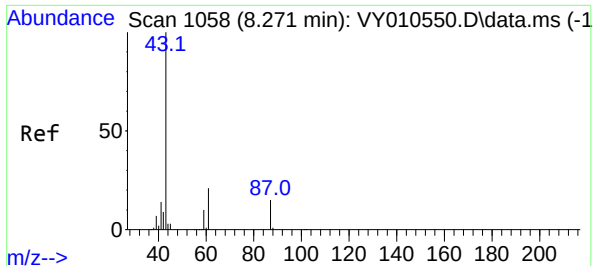
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

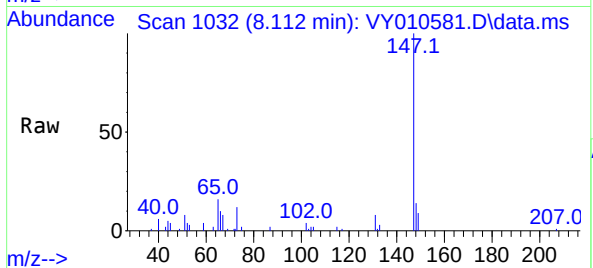
121 0.0 24.8 37.2#



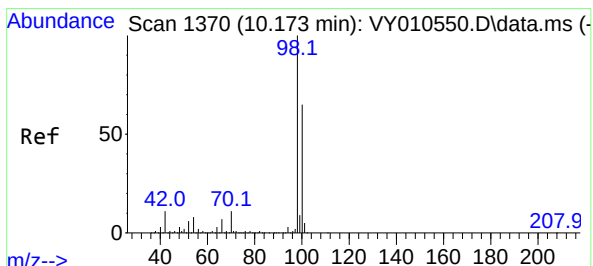
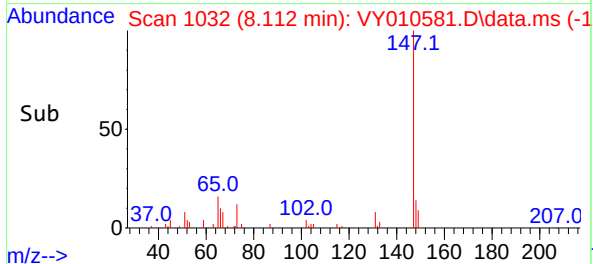
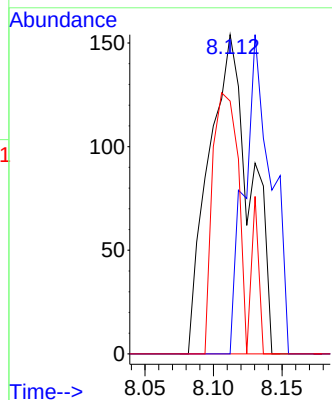


#43
Isopropyl Acetate
Concen: 1.392 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.159 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Instrument :
MSVOA_Y
ClientSampleId :

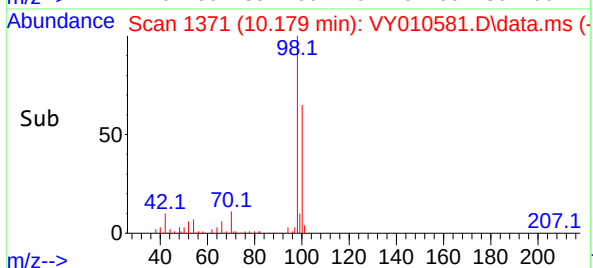
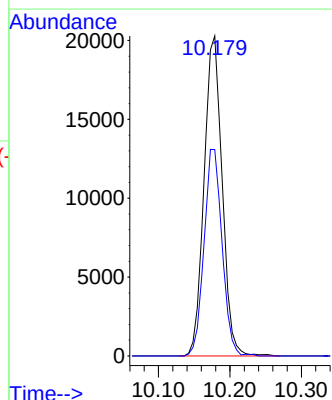
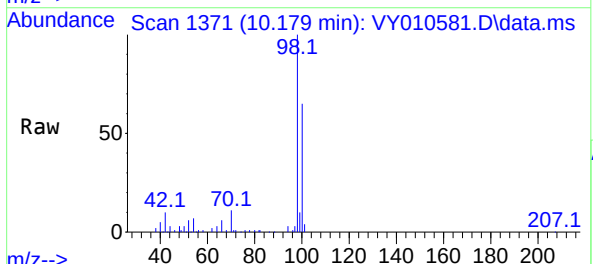


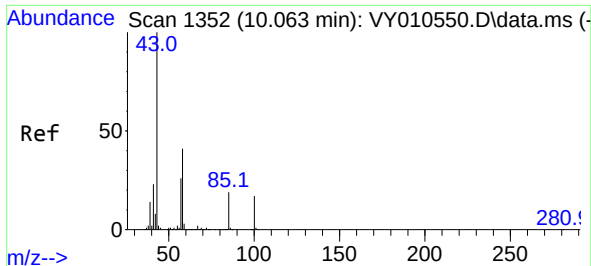
Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 58.0 8.9 13.3#



#50
Toluene-d8
Concen: 48.703 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Tgt Ion: 98 Resp: 35659
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

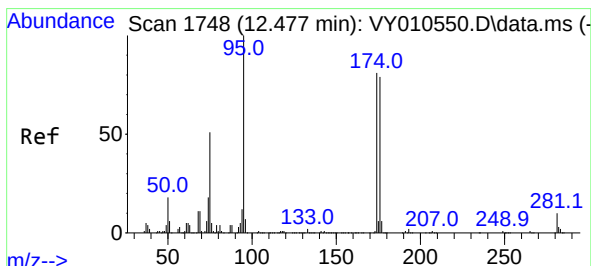
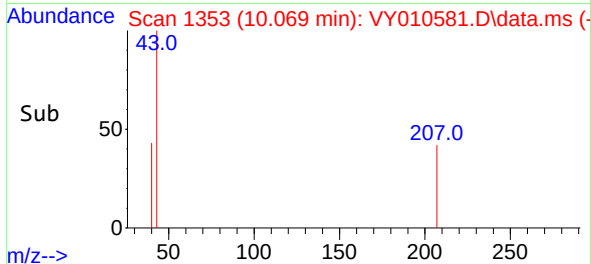
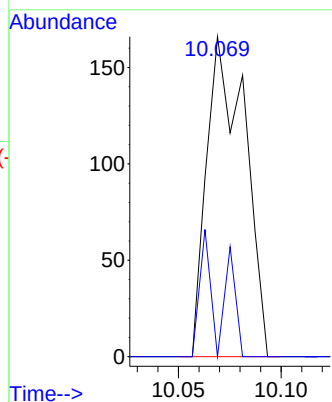
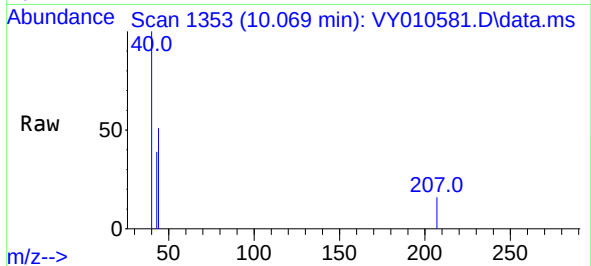




#51
4-Methyl-2-Pentanone
Concen: 1.619 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

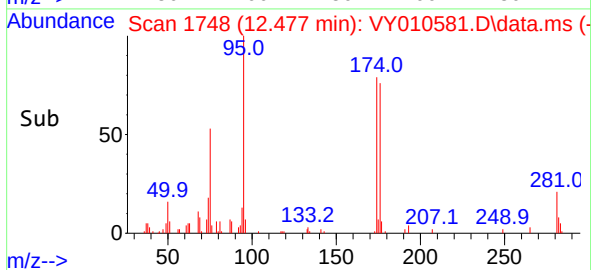
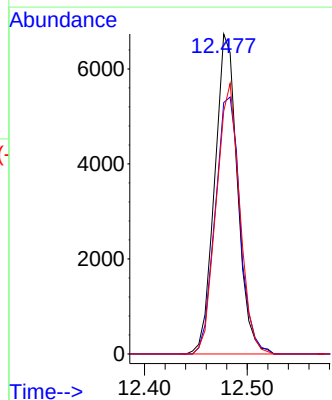
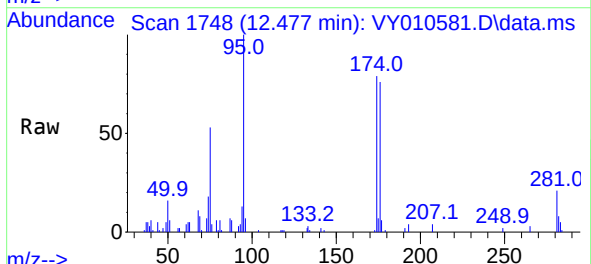
Instrument :
MSVOA_Y
ClientSampleId :

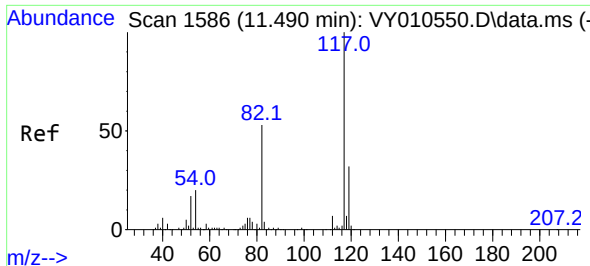
Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
58 21.0 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 37.396 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

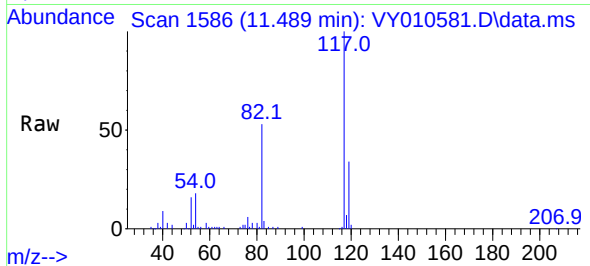
Tgt Ion: 95 Resp: 10365
Ion Ratio Lower Upper
95 100
174 87.2 0.0 177.0
176 86.9 0.0 175.8



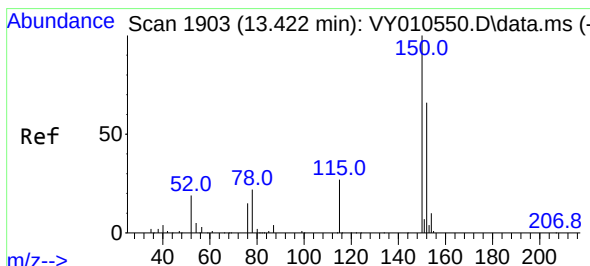
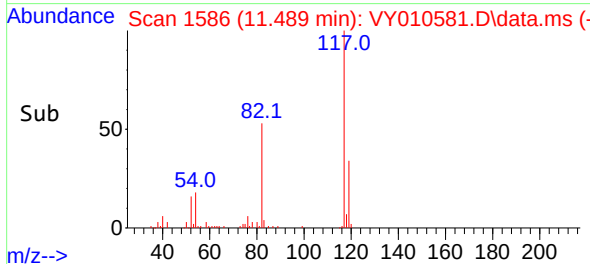
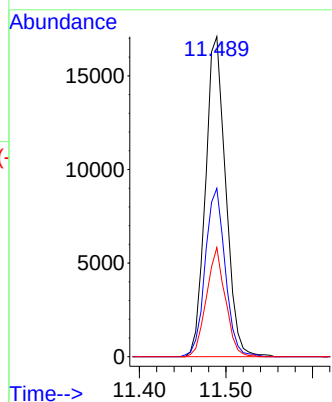


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Instrument :
MSVOA_Y
ClientSampleId :

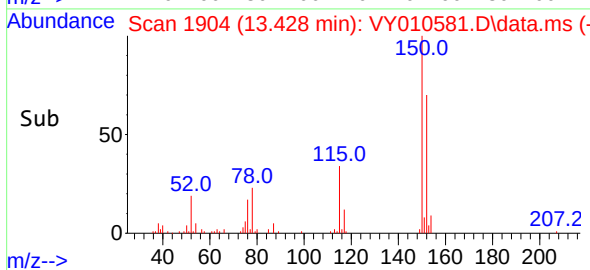
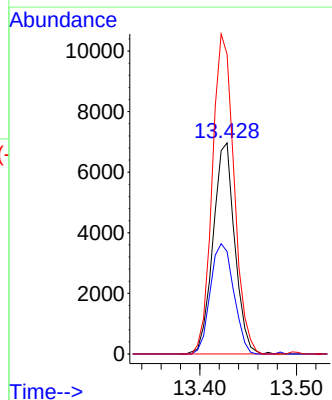
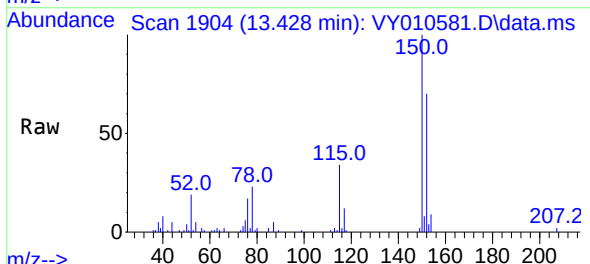


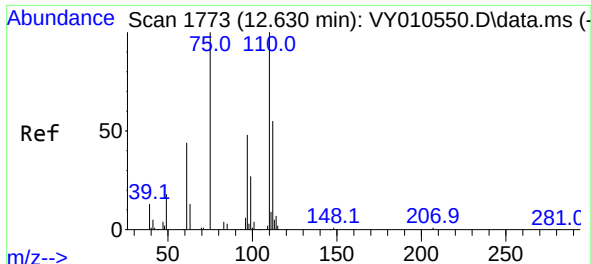
Tgt Ion:	117	Resp:	27666
Ion Ratio	100	Lower	Upper
117	100		
82	52.6	43.0	64.4
119	34.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Tgt Ion:	152	Resp:	10851
Ion Ratio	100	Lower	Upper
152	100		
115	56.3	28.2	84.7
150	151.9	0.0	347.6

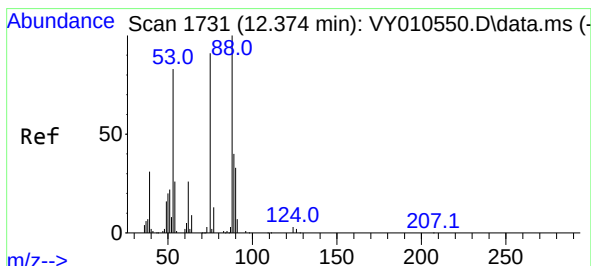
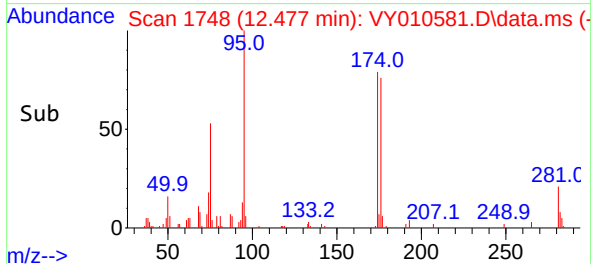
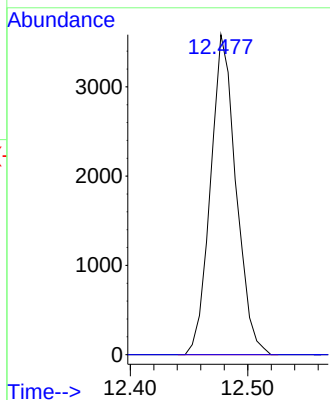
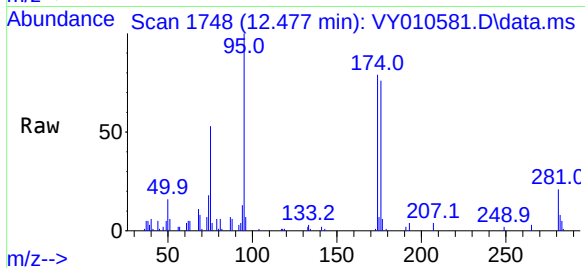




#76
1,2,3-Trichloropropane
Concen: 52.286 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

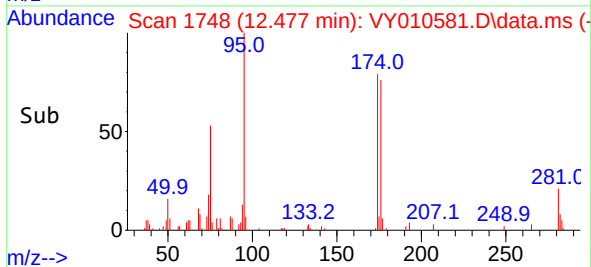
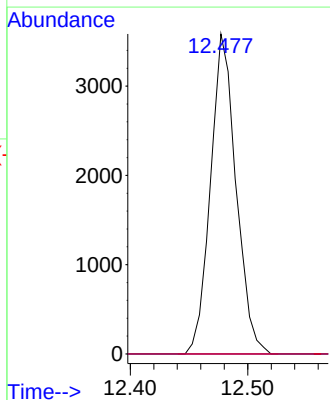
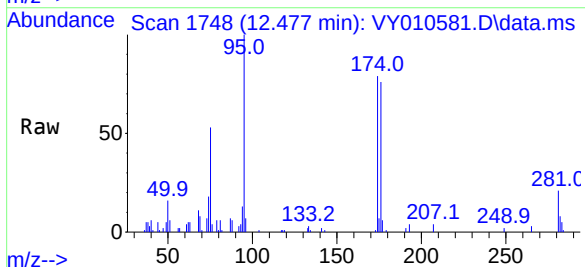
Instrument :
MSVOA_Y
ClientSampleId :

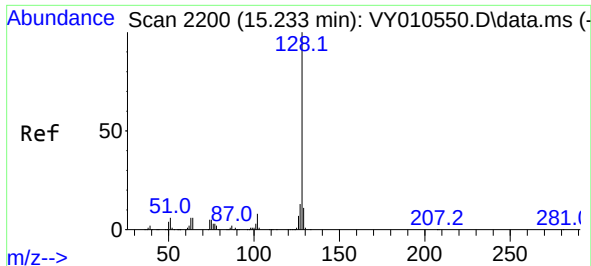
Tgt Ion: 75 Resp: 5415
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 116.254 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010581.D
Acq: 20 Sep 2022 17:34

Tgt Ion: 75 Resp: 5415
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 14.066 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

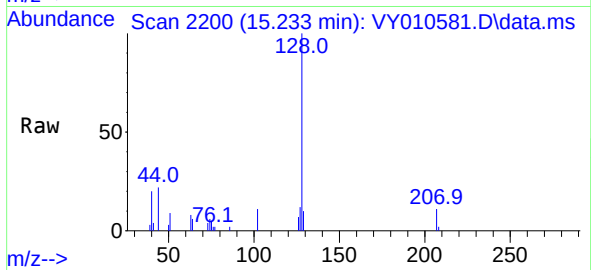
Lab File: VY010581.D

Acq: 20 Sep 2022 17:34

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 4988

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

129 10.2 8.4 12.6

