

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010579.D
 Acq On : 20 Sep 2022 16:47
 Operator : KP/MD
 Sample : N4697-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:21:19 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)

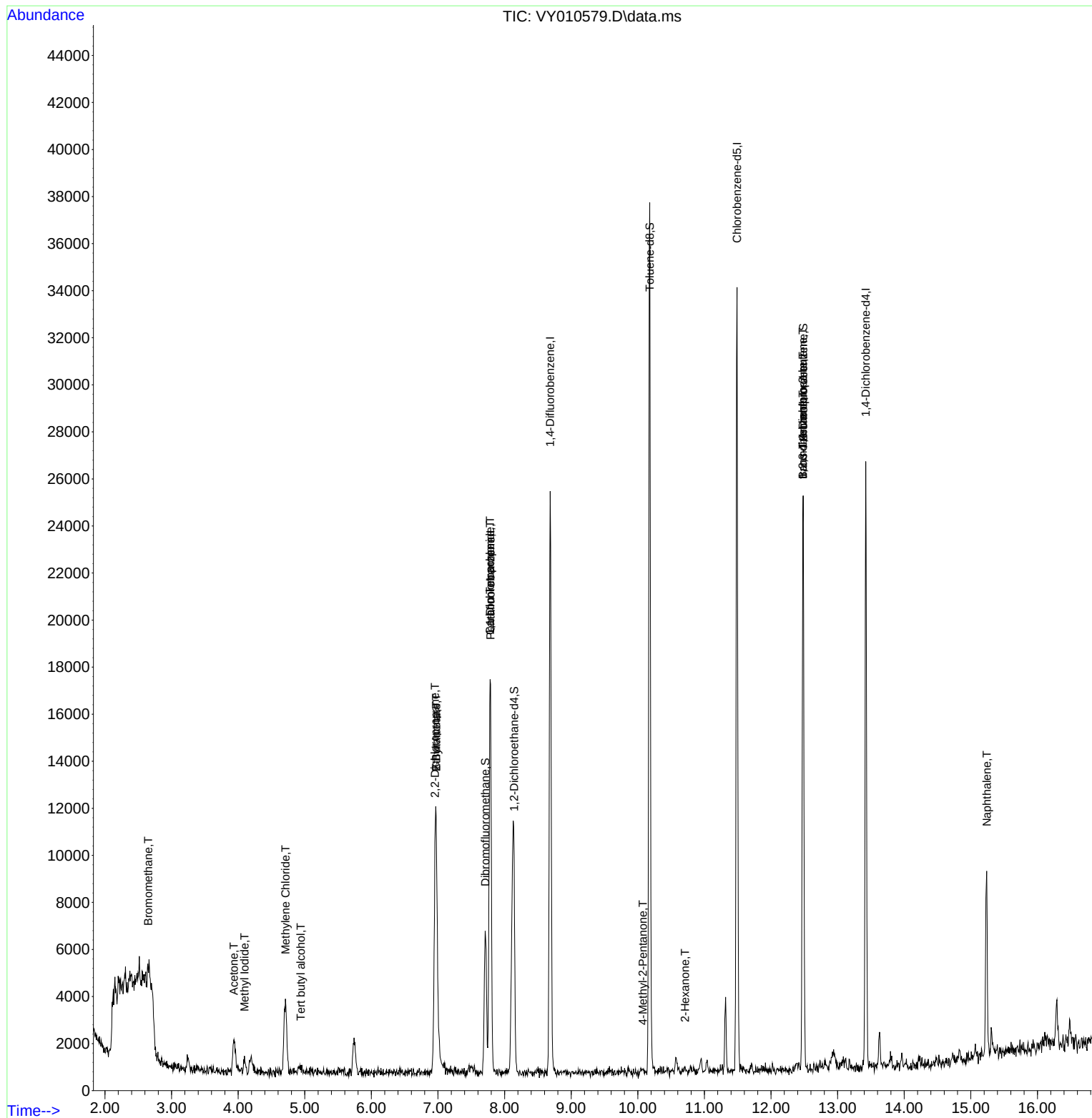
Internal Standards						
1) Pentafluorobenzene	7.789	168	14176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	21825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	18629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	7100	52.364	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.720%			
35) Dibromofluoromethane	7.710	113	4537	32.573	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 65.140%			
50) Toluene-d8	10.179	98	25443	49.461	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.920%			
62) 4-Bromofluorobenzene	12.483	95	7221	37.100	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.200%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	351	Below Cal	#	86
4) Vinyl Chloride	2.278	62	51	Below Cal	#	43
5) Bromomethane	2.650	94	610	2.579	ug/l #	76
10) Methyl Iodide	4.095	142	768	5.930	ug/l #	57
11) Tert butyl alcohol	4.942	59	521	33.261	ug/l #	77
16) Acetone	3.936	43	2534	91.644	ug/l	97
17) Carbon Disulfide	4.186	76	30	Below Cal	#	75
20) Methylene Chloride	4.710	84	2623	7.814	ug/l #	84
25) 2-Butanone	6.972	43	917	21.203	ug/l #	54
26) 2,2-Dichloropropane	6.954	77	1052	5.117	ug/l #	55
31) Cyclohexane	7.777	56	247	Below Cal	#	44
36) 1,1-Dichloropropene	7.783	75	1064	6.856	ug/l #	42
37) Ethyl Acetate	6.972	43	917	10.230	ug/l #	70
38) Carbon Tetrachloride	7.783	117	1275	7.145	ug/l #	11
51) 4-Methyl-2-Pentanone	10.075	43	114	1.229	ug/l #	40
59) 2-Hexanone	10.709	43	66	1.050	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	3518	53.150	ug/l #	100
77) Bromobenzene	12.477	156	111	1.088	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	3518	118.176	ug/l #	7
95) Naphthalene	15.239	128	7329	32.338	ug/l #	97

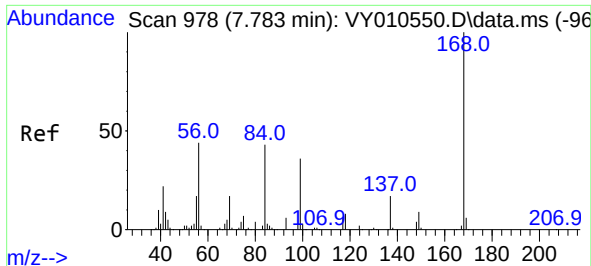
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 20 01:02:44 2022
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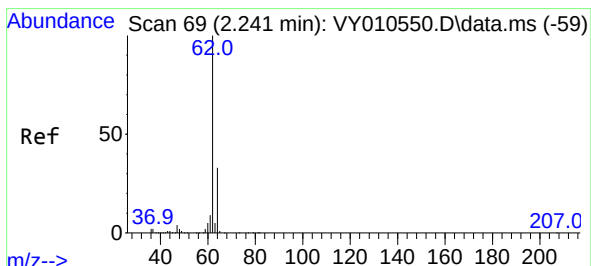
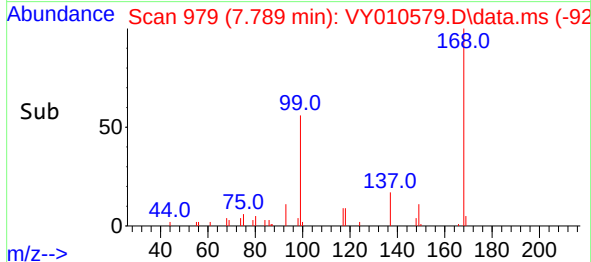
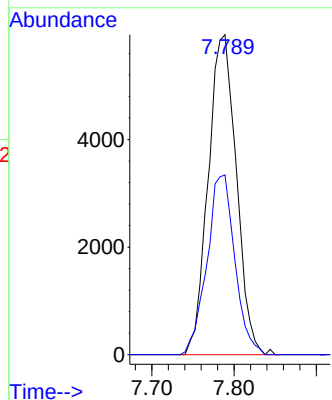
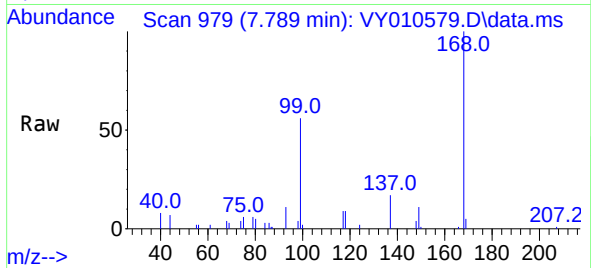




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

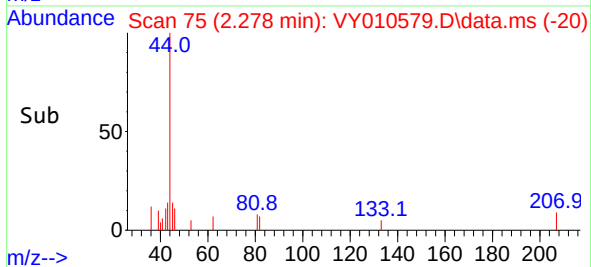
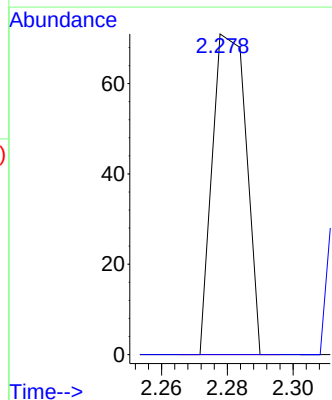
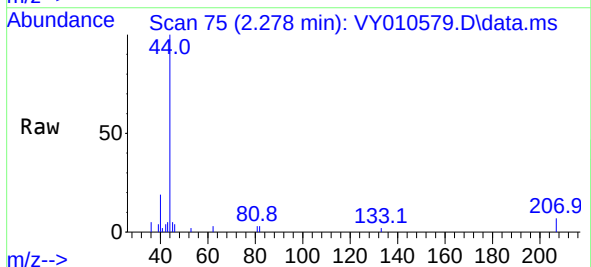
Instrument :
MSVOA_Y
ClientSampleId :

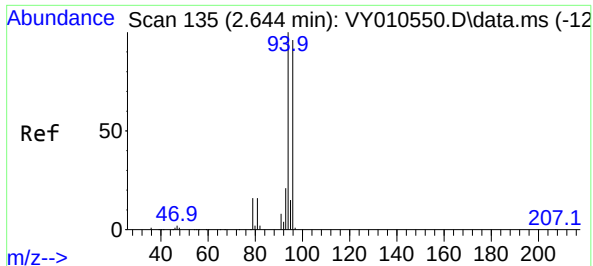
Tgt Ion:168 Resp: 14176
Ion Ratio Lower Upper
168 100
99 56.1 46.9 70.3



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.278 min Scan# 75
Delta R.T. 0.037 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

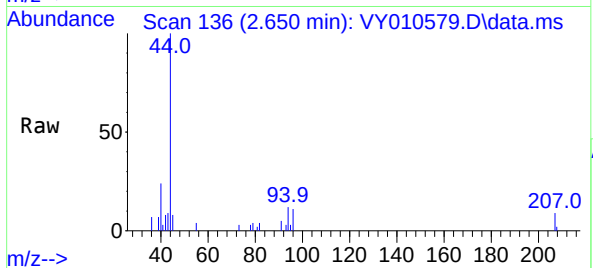
Tgt Ion: 62 Resp: 51
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



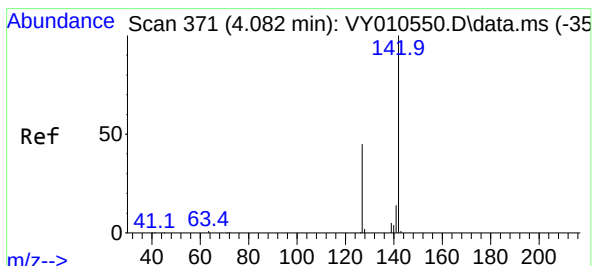
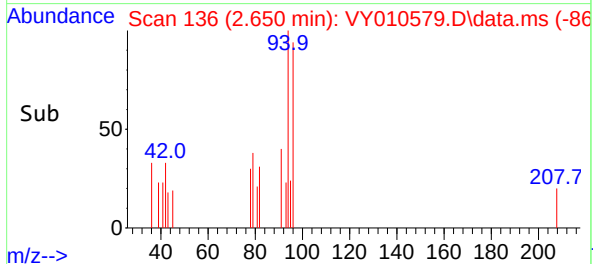
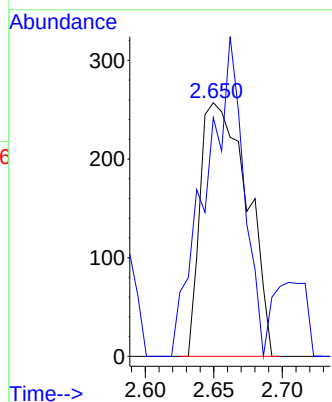


#5
Bromomethane
Concen: 2.579 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Instrument :
MSVOA_Y
ClientSampleId :

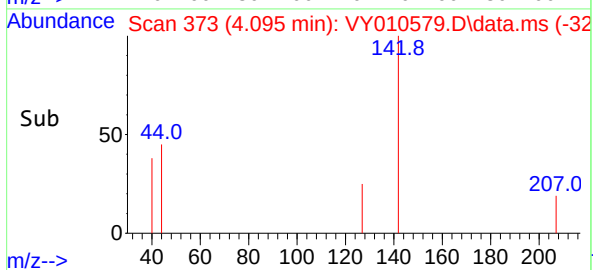
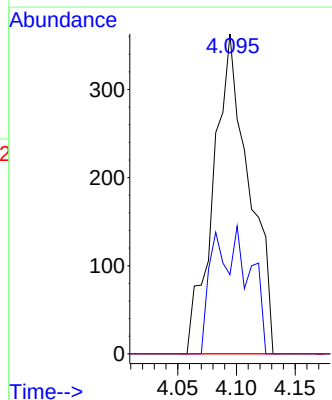
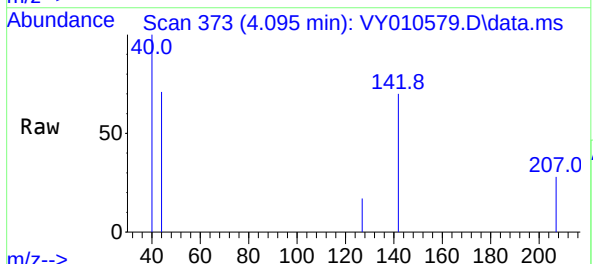


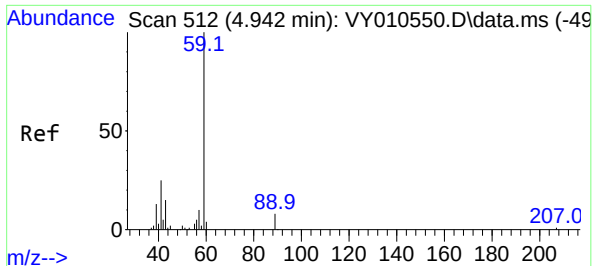
Tgt Ion: 94 Resp: 610
Ion Ratio Lower Upper
94 100
96 68.9 73.5 110.3#



#10
Methyl Iodide
Concen: 5.930 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Tgt Ion:142 Resp: 768
Ion Ratio Lower Upper
142 100
127 20.3 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 33.261 ug/l

RT: 4.942 min Scan# 512

Delta R.T. -0.000 min

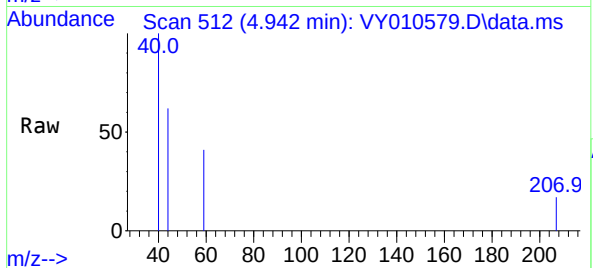
Lab File: VY010579.D

Acq: 20 Sep 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

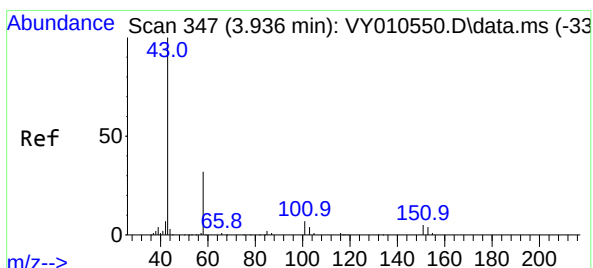
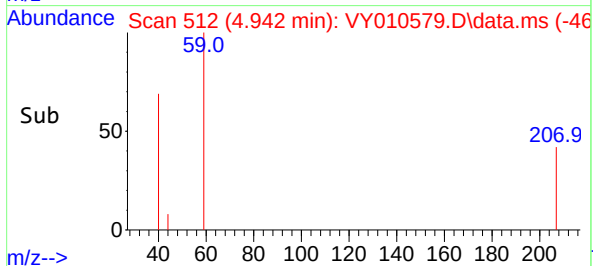
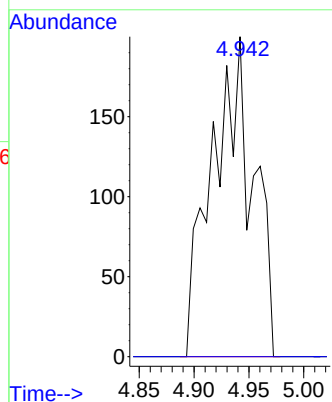


Tgt Ion: 59 Resp: 521

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 91.644 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY010579.D

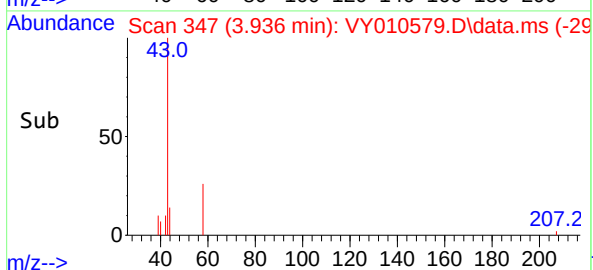
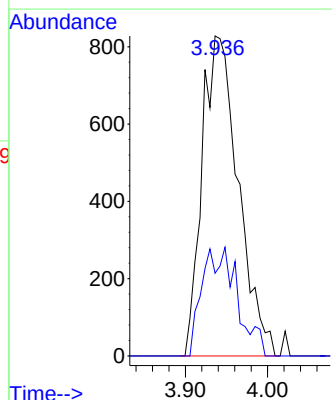
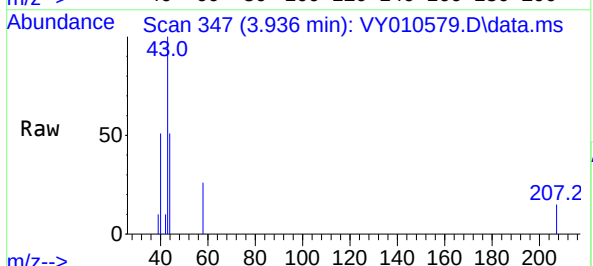
Acq: 20 Sep 2022 16:47

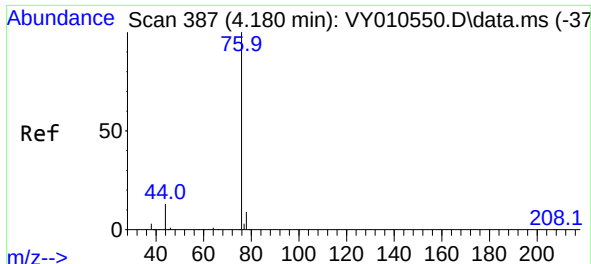
Tgt Ion: 43 Resp: 2534

Ion Ratio Lower Upper

43 100

58 25.8 22.0 33.0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.186 min Scan# 30

Delta R.T. 0.006 min

Lab File: VY010579.D

Acq: 20 Sep 2022 16:47

Instrument :

MSVOA_Y

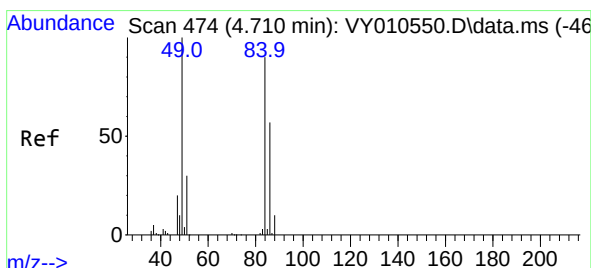
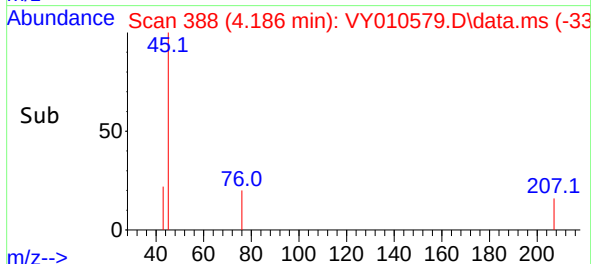
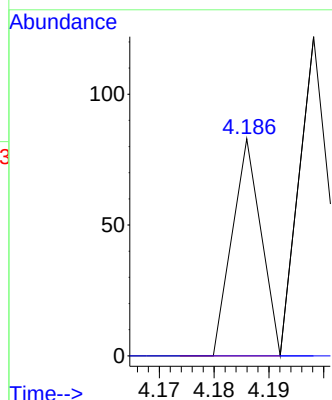
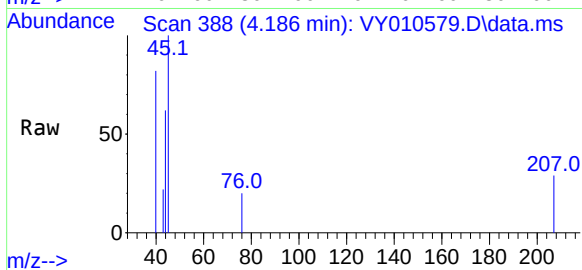
ClientSampleId :

Tgt Ion: 76 Resp: 30

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#20

Methylene Chloride

Concen: 7.814 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY010579.D

Acq: 20 Sep 2022 16:47

Tgt Ion: 84 Resp: 2623

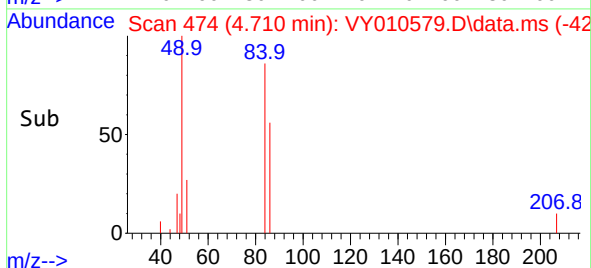
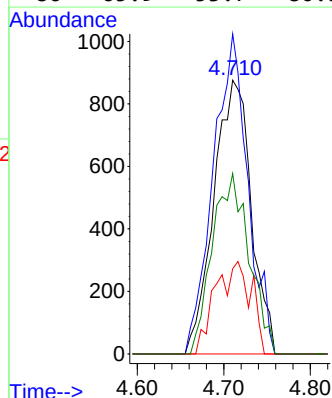
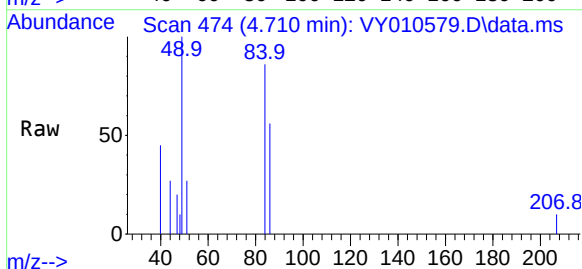
Ion Ratio Lower Upper

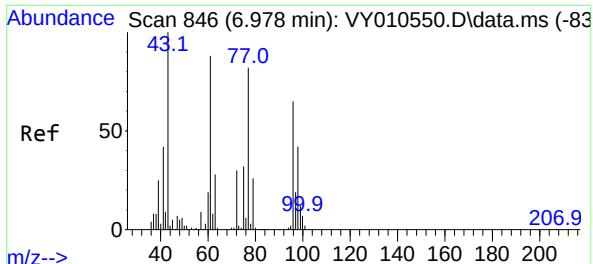
84 100

49 116.9 114.4 171.6

51 31.1 35.3 52.9#

86 65.9 53.7 80.5





#25

2-Butanone

Concen: 21.203 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

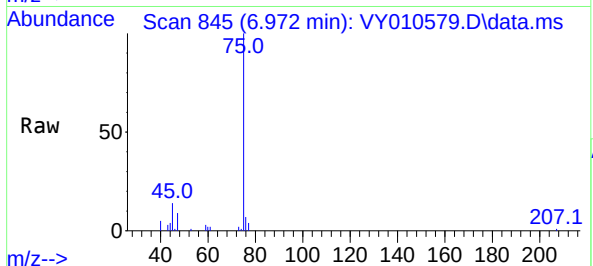
Lab File: VY010579.D

Acq: 20 Sep 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

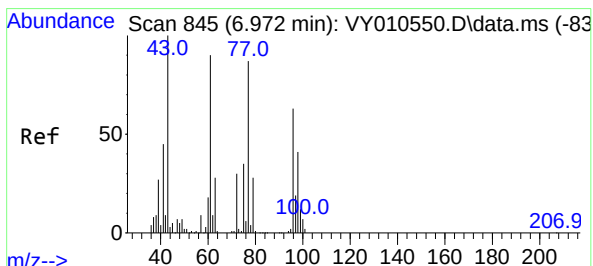
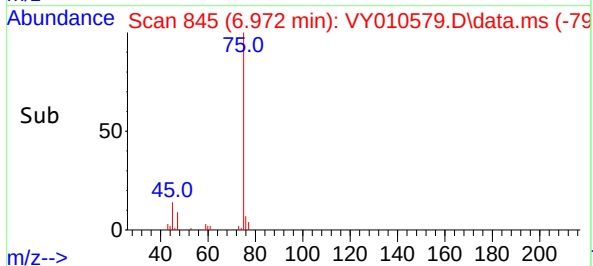
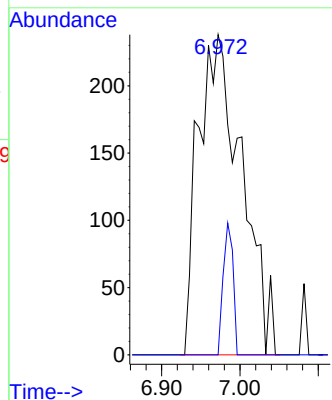


Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 5.117 ug/l

RT: 6.954 min Scan# 842

Delta R.T. -0.018 min

Lab File: VY010579.D

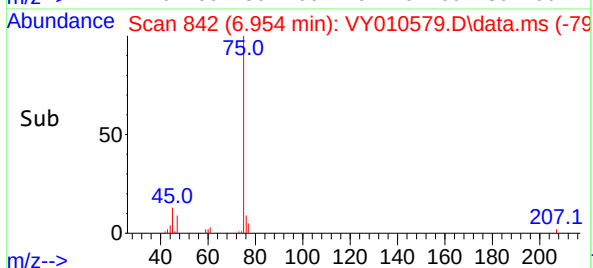
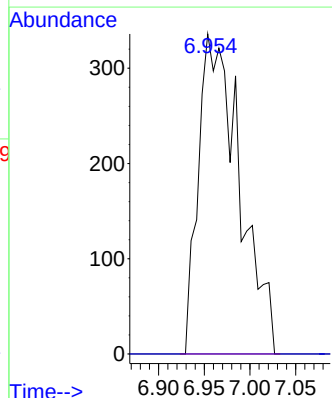
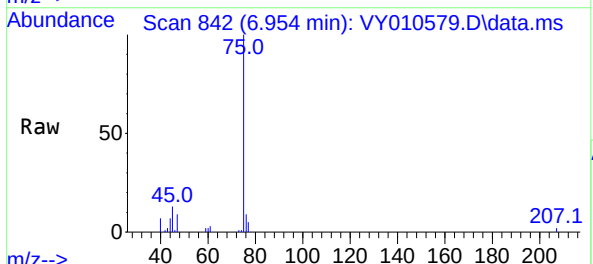
Acq: 20 Sep 2022 16:47

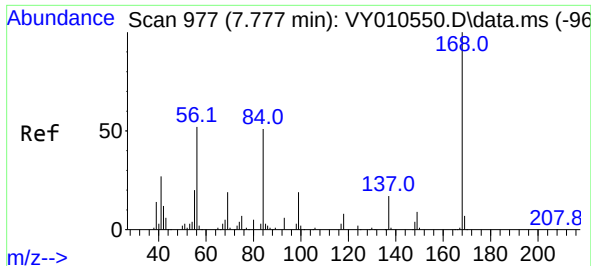
Tgt Ion: 77 Resp: 1052

Ion Ratio Lower Upper

77 100

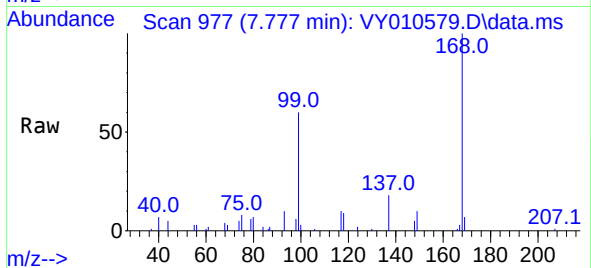
97 0.0 10.4 31.4#



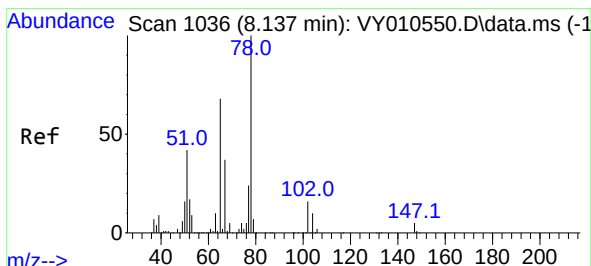
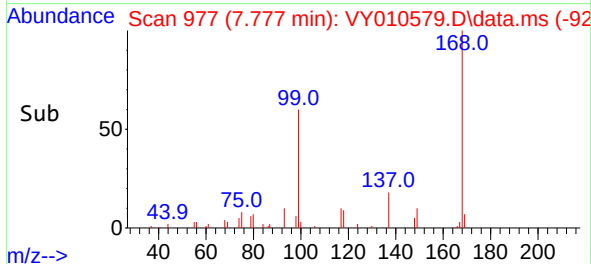
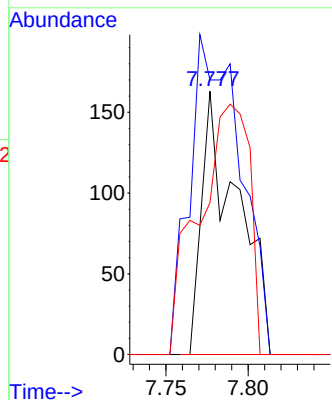


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Instrument :
MSVOA_Y
ClientSampleId :

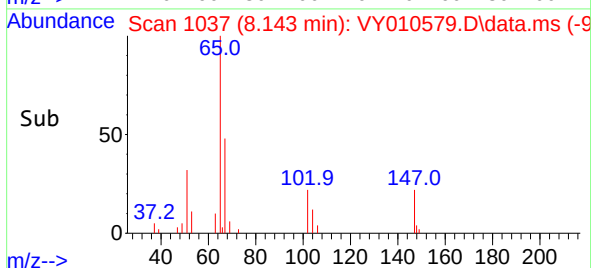
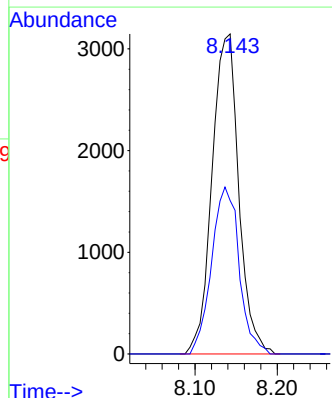
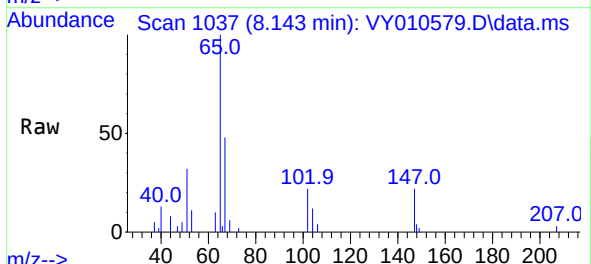


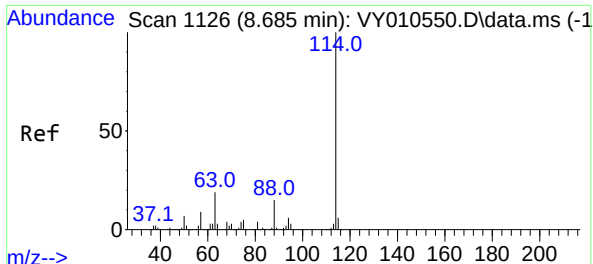
Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
69 104.3 26.7 40.1#
84 57.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.364 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Tgt Ion: 65 Resp: 7100
Ion Ratio Lower Upper
65 100
67 53.8 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: VY010579.D

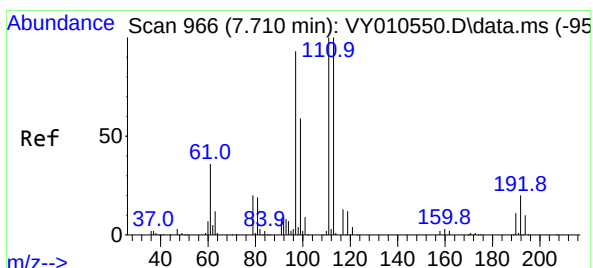
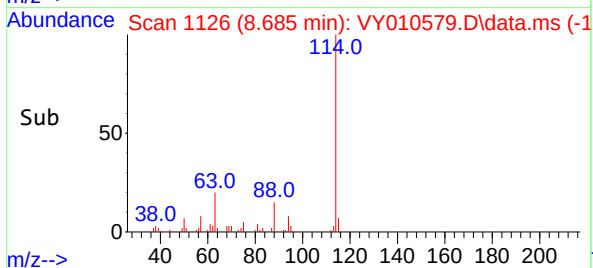
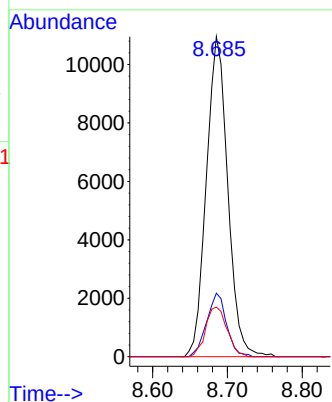
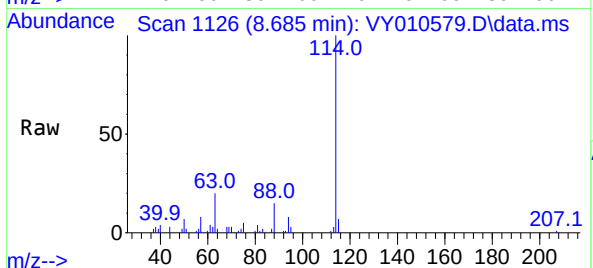
Acq: 20 Sep 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	21825
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.2
88	15.5	0.0	31.8



#35

Dibromofluoromethane

Concen: 32.573 ug/l

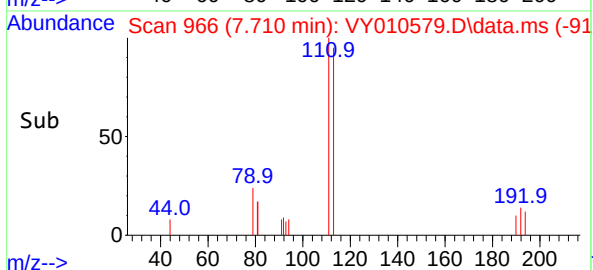
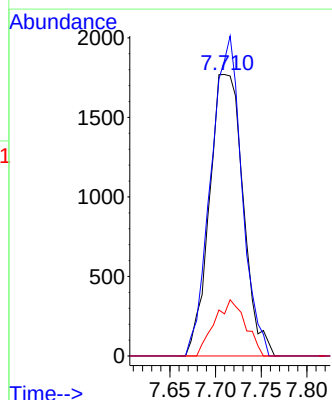
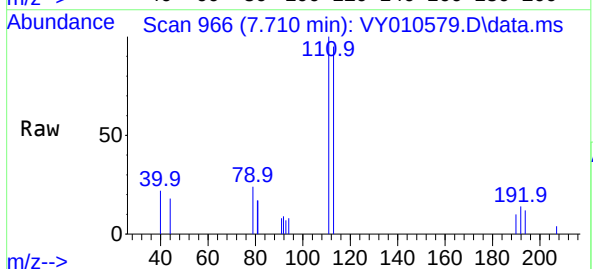
RT: 7.710 min Scan# 966

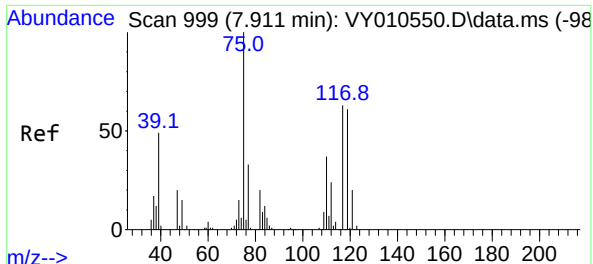
Delta R.T. -0.000 min

Lab File: VY010579.D

Acq: 20 Sep 2022 16:47

Tgt Ion:	113	Resp:	4537
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	124.0
192	18.4	17.6	26.4





#36

1,1-Dichloropropene

Concen: 6.856 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010579.D

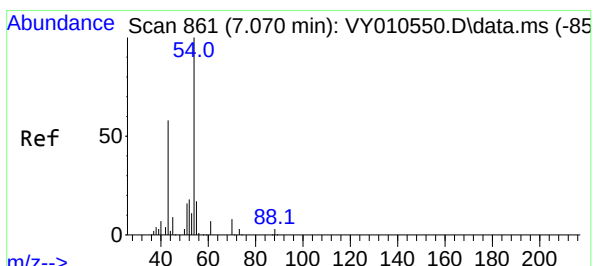
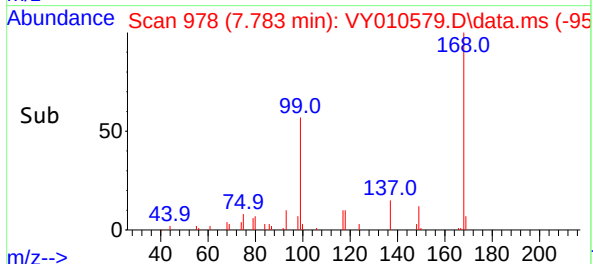
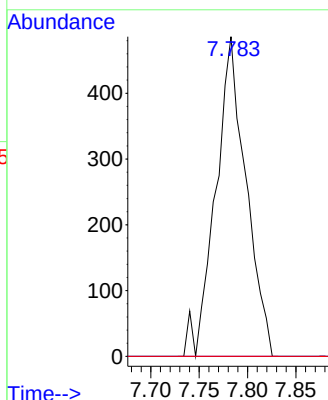
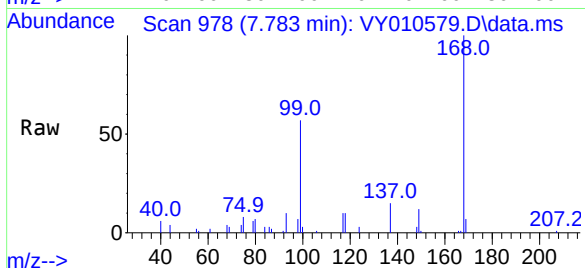
Acq: 20 Sep 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	1064
Ion	Ratio	Lower Upper
75	100	
110	0.0	17.1 51.2#
77	0.0	24.4 36.6#



#37

Ethyl Acetate

Concen: 10.230 ug/l

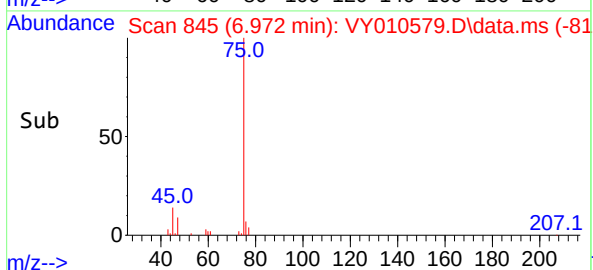
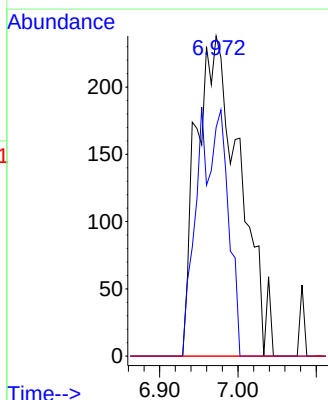
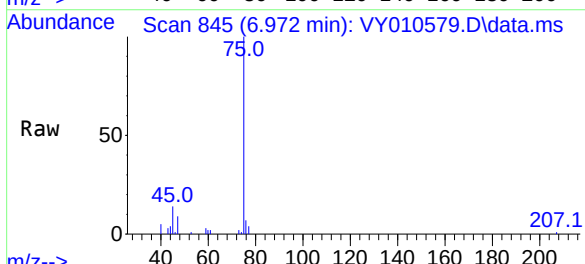
RT: 6.972 min Scan# 845

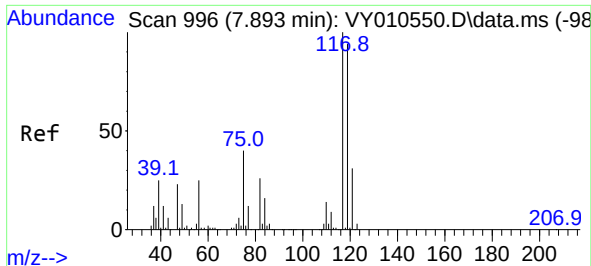
Delta R.T. -0.098 min

Lab File: VY010579.D

Acq: 20 Sep 2022 16:47

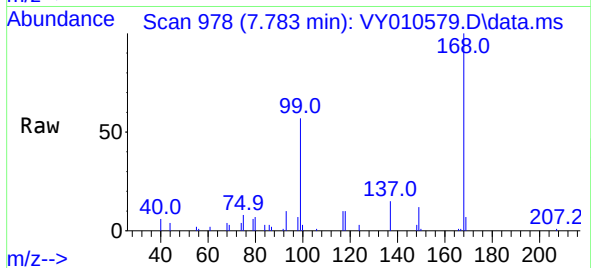
Tgt Ion: 43	Resp:	917
Ion	Ratio	Lower Upper
43	100	
61	25.6	9.7 14.5#
70	0.0	7.1 10.7#



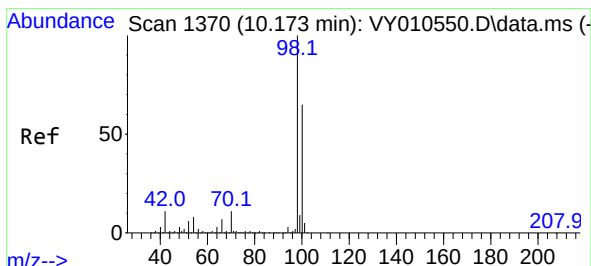
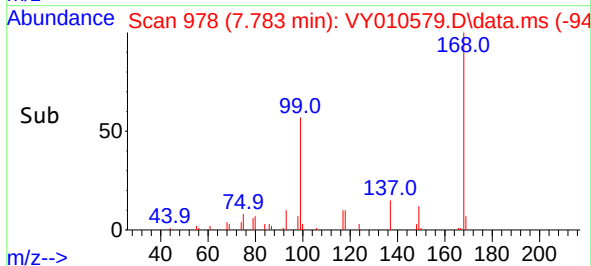
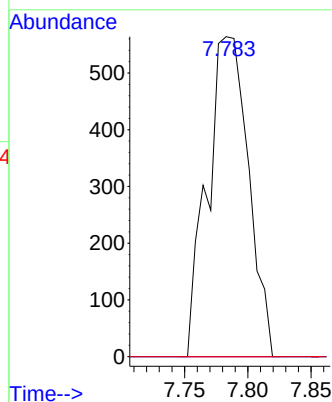


#38
Carbon Tetrachloride
Concen: 7.145 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Instrument :
MSVOA_Y
ClientSampleId :

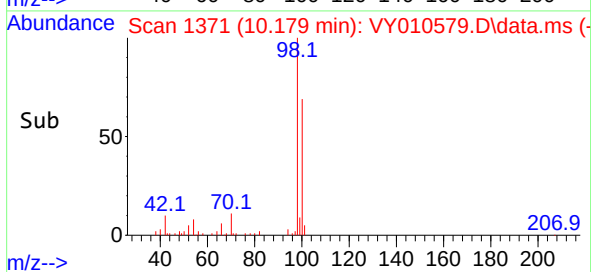
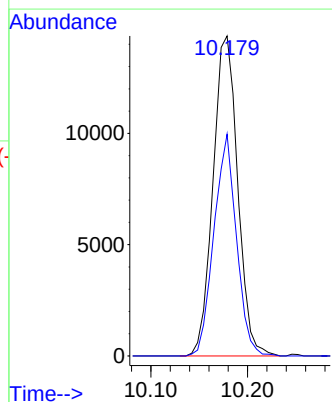
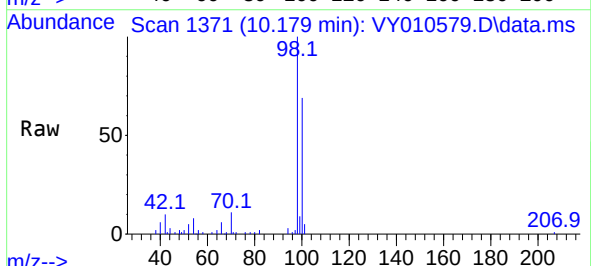


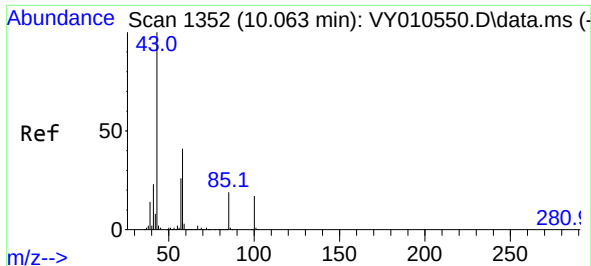
Tgt Ion:117 Resp: 1275
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.461 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Tgt Ion: 98 Resp: 25443
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2

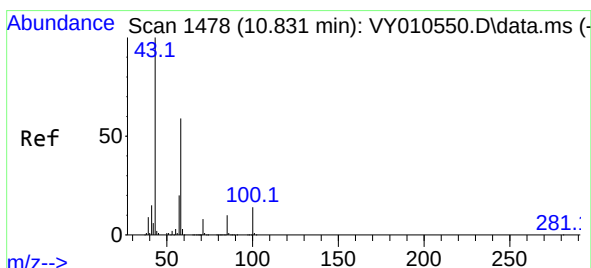
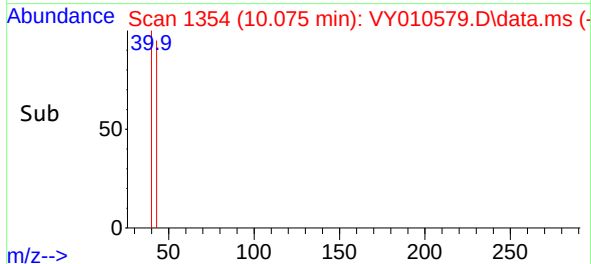
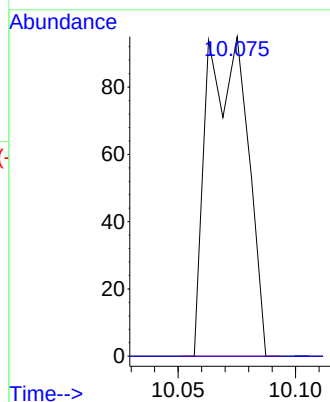
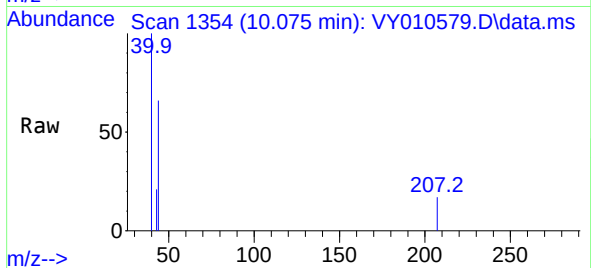




#51
4-Methyl-2-Pentanone
Concen: 1.229 ug/l
RT: 10.075 min Scan# 111
Delta R.T. 0.012 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

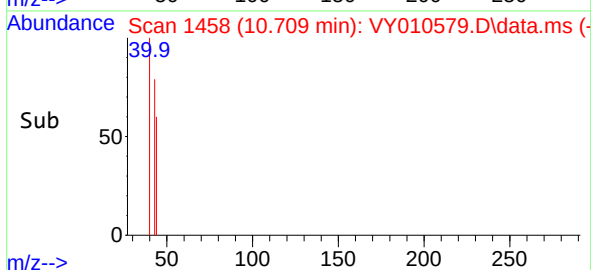
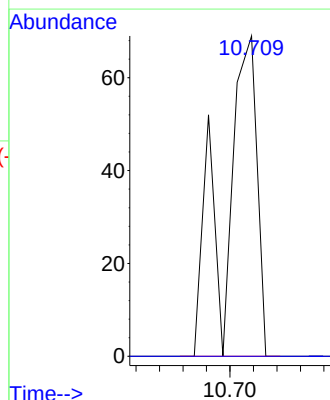
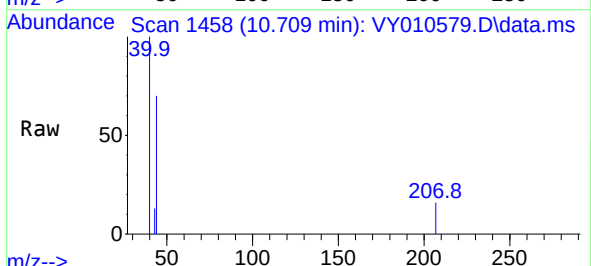
Instrument :
MSVOA_Y
ClientSampleId :

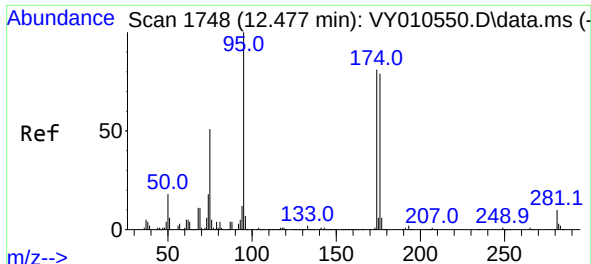
Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#59
2-Hexanone
Concen: 1.050 ug/l
RT: 10.709 min Scan# 1458
Delta R.T. -0.122 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

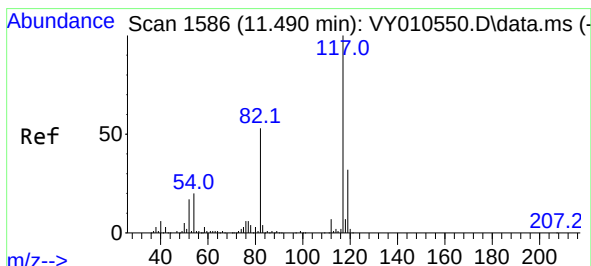
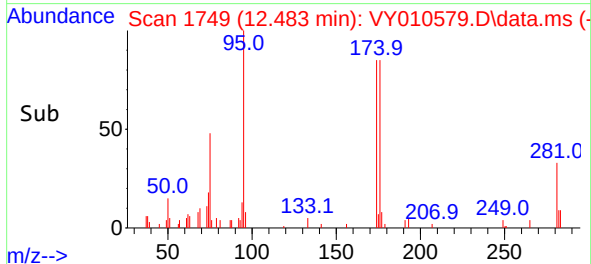
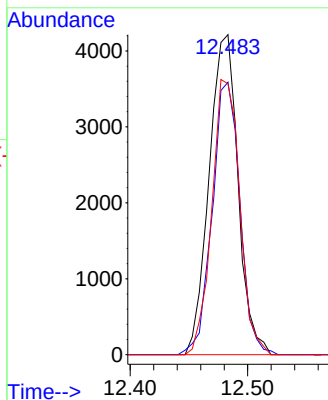
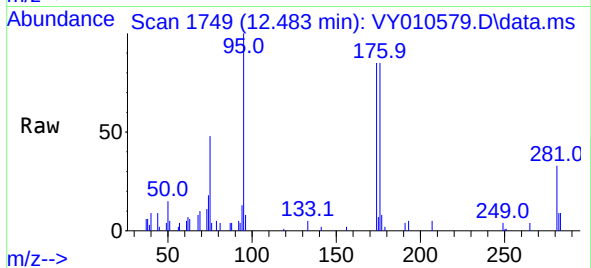




#62
4-Bromofluorobenzene
Concen: 37.100 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

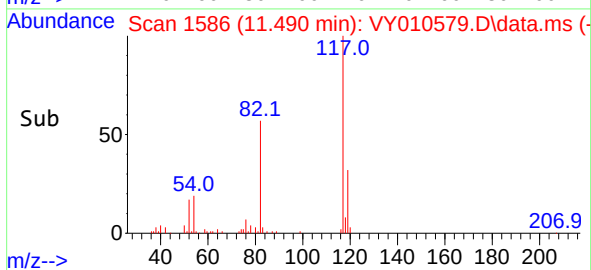
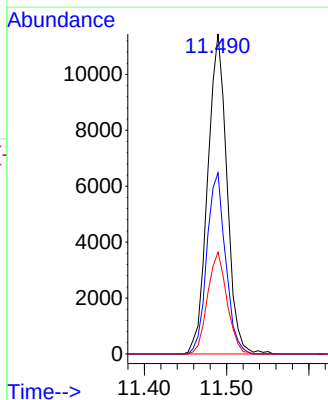
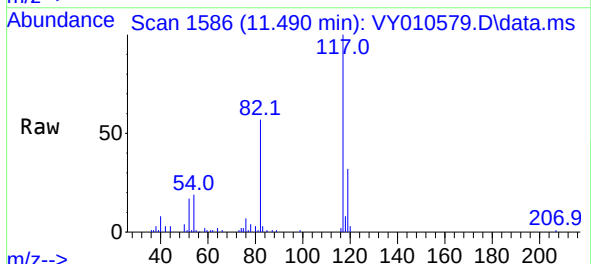
Instrument :
MSVOA_Y
ClientSampleId :

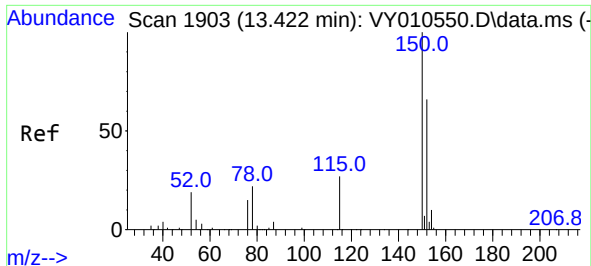
Tgt Ion: 95 Resp: 7221
Ion Ratio Lower Upper
95 100
174 81.3 0.0 177.0
176 82.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

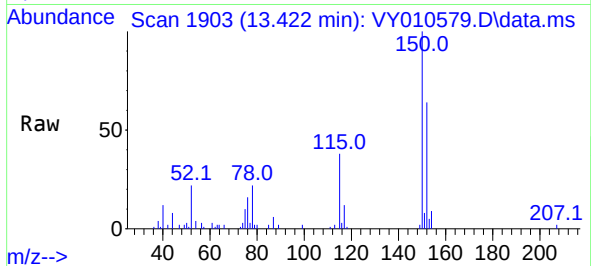
Tgt Ion: 117 Resp: 18629
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 31.8 25.4 38.0



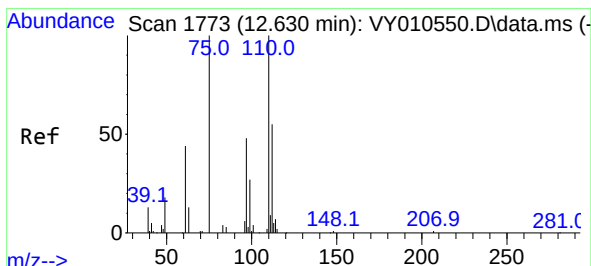
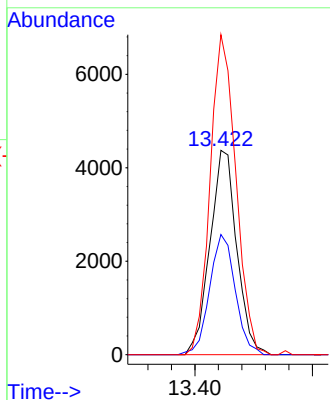
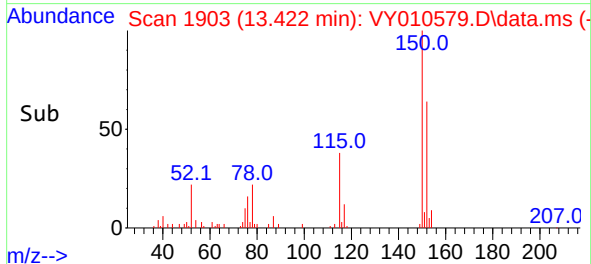


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

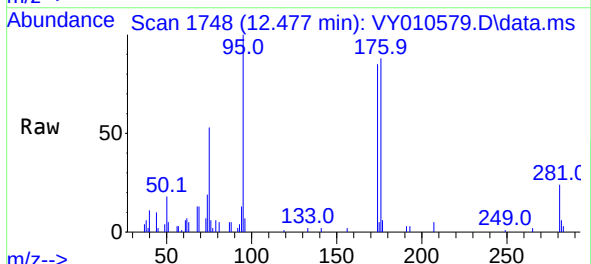
Instrument :
MSVOA_Y
ClientSampleId :



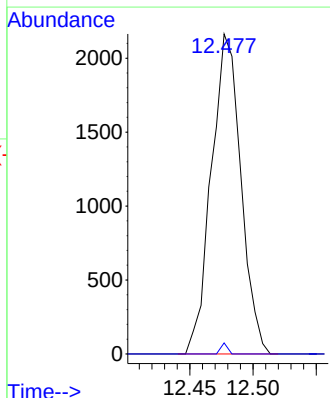
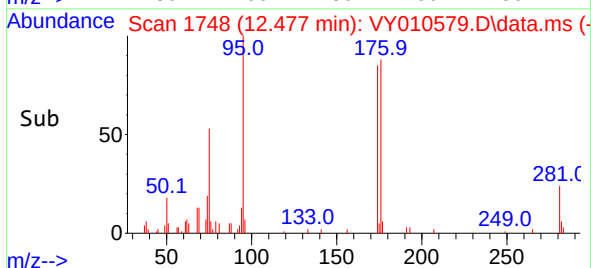
Tgt Ion:152 Resp: 6935
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 150.5 0.0 347.6

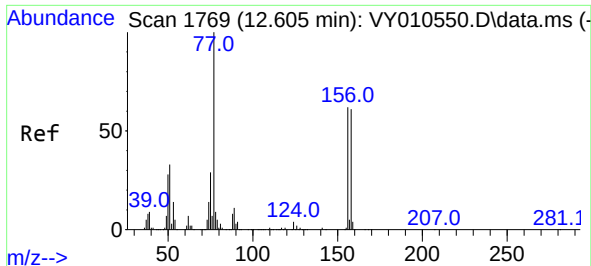


#76
1,2,3-Trichloropropane
Concen: 53.150 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47



Tgt Ion: 75 Resp: 3518
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

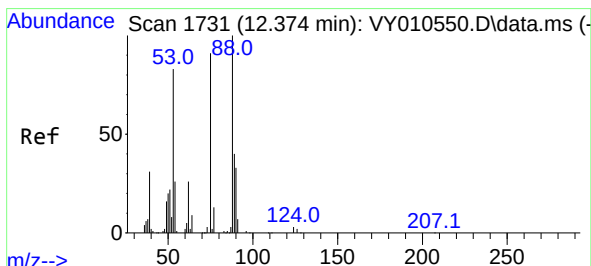
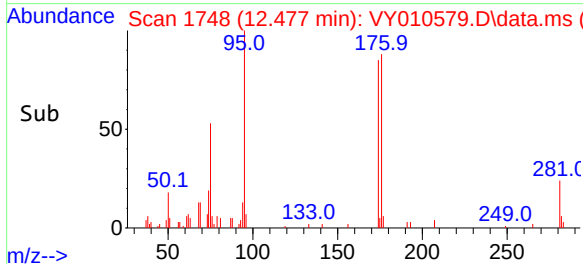
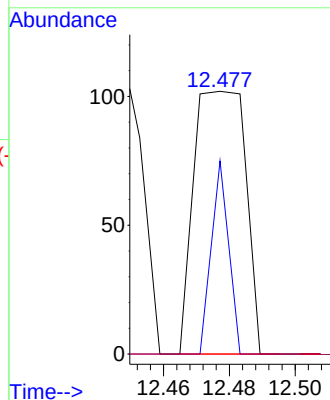
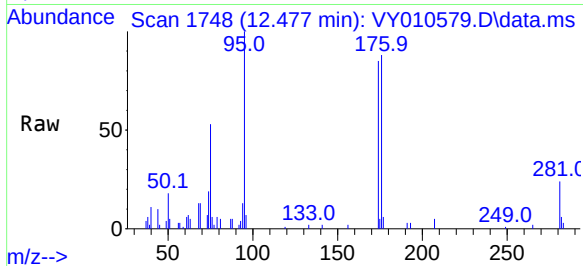




#77
Bromobenzene
Concen: 1.088 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.128 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

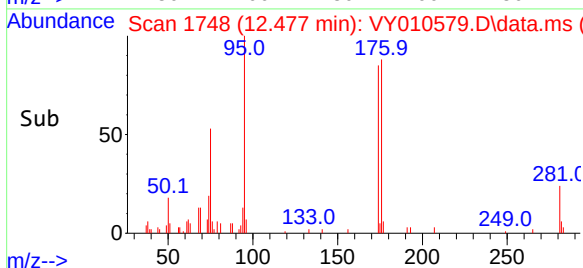
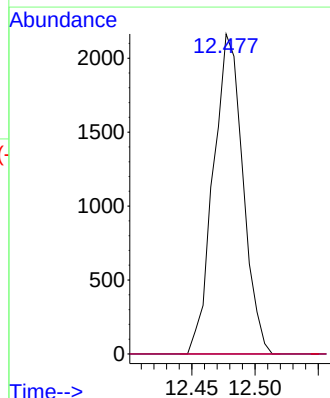
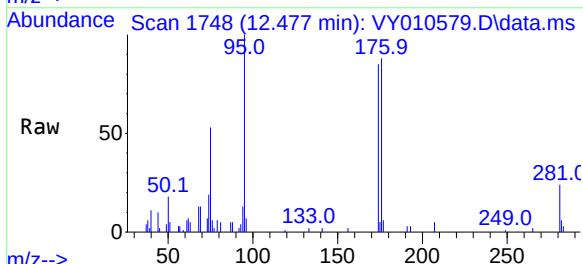
Instrument :
MSVOA_Y
ClientSampleId :

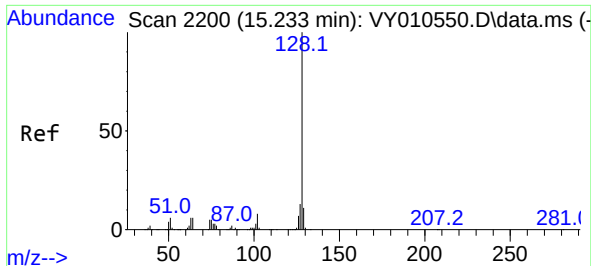
Tgt Ion:	156	Resp:	111
Ion	Ratio	Lower	Upper
156	100		
77	24.3	95.5	286.4#
158	0.0	48.0	144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.176 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010579.D
Acq: 20 Sep 2022 16:47

Tgt Ion:	75	Resp:	3518
Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#





#95

Naphthalene

Concen: 32.338 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

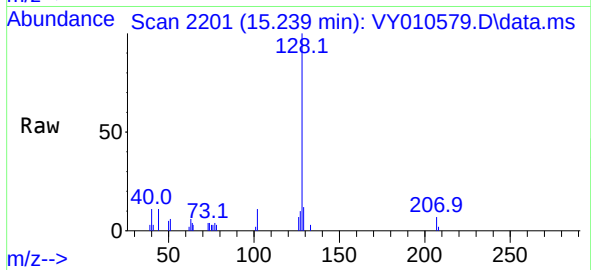
Lab File: VY010579.D

Acq: 20 Sep 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 7329

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

129 12.7 8.4 12.6#

