

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010113.D
 Acq On : 19 Aug 2022 19:03
 Operator : KP/MD
 Sample : N4200-16
 Misc : 10.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Quant Time: Aug 22 02:44:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

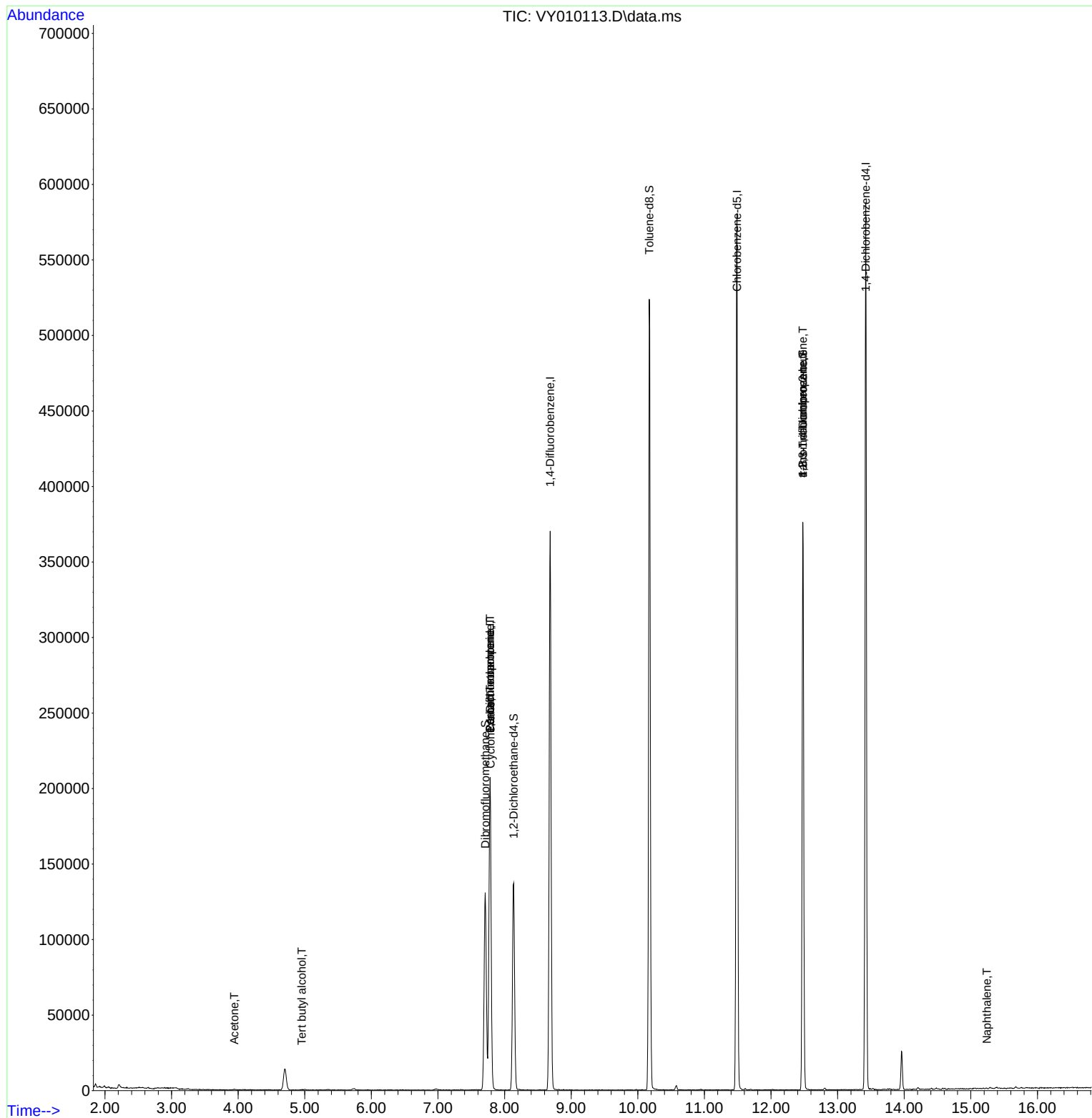
Internal Standards						
1) Pentafluorobenzene	7.783	168	166178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	325327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	101837	74.817	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 149.640%		
35) Dibromofluoromethane	7.710	113	93509	51.010	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.020%		
50) Toluene-d8	10.173	98	347233	50.551	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 101.100%		
62) 4-Bromofluorobenzene	12.477	95	114465	46.640	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 93.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	249	12.145	ug/l #	73
16) Acetone	3.942	43	703	2.064	ug/l	98
20) Methylene Chloride	4.704	84	10376	Below Cal	#	92
31) Cyclohexane	7.789	56	3110	1.115	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	12380	4.231	ug/l #	48
38) Carbon Tetrachloride	7.783	117	15436	5.030	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	56566	39.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56566	79.565	ug/l #	18
95) Naphthalene	15.239	128	389	3.949	ug/l #	69

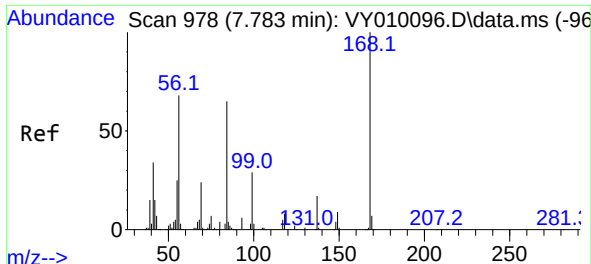
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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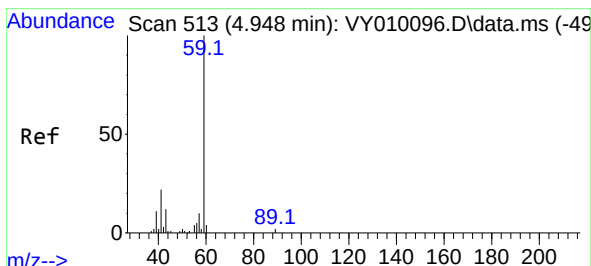
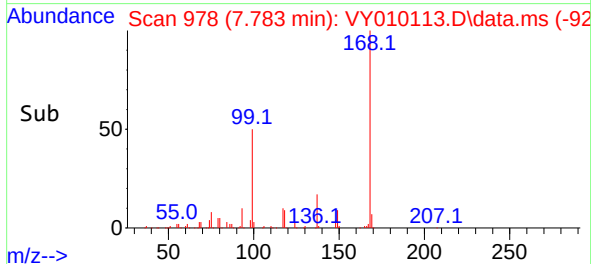
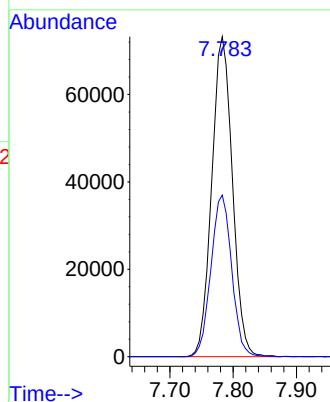
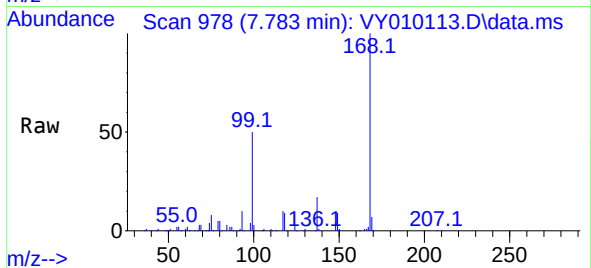




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

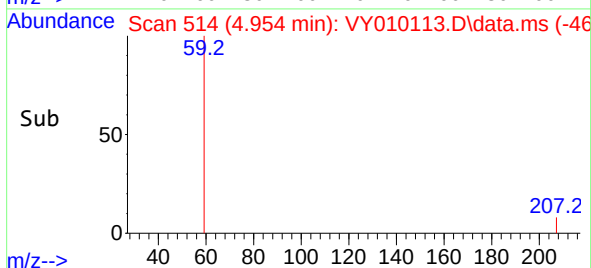
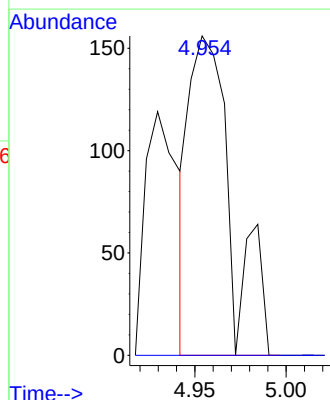
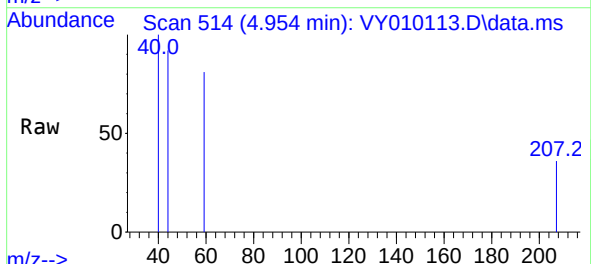
Instrument :
MSVOA_Y
ClientSampleId :
S2

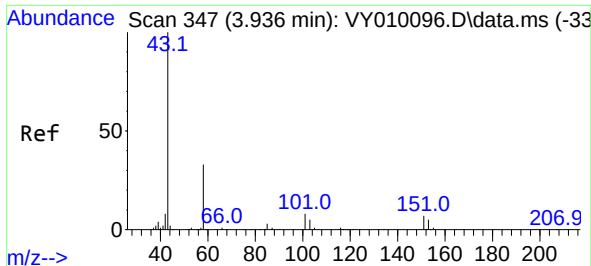
Tgt Ion:168 Resp: 166178
Ion Ratio Lower Upper
168 100
99 50.5 40.7 61.1



#11
Tert butyl alcohol
Concen: 12.145 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

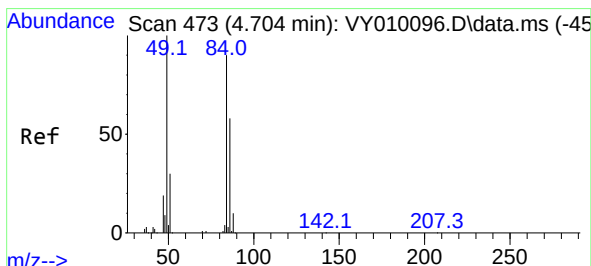
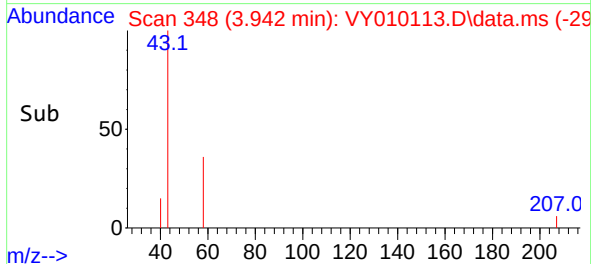
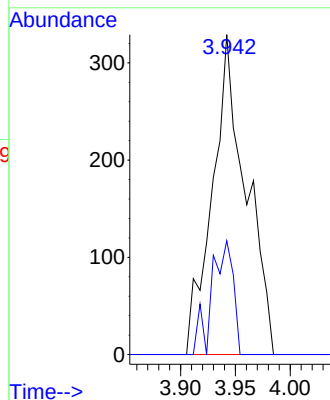
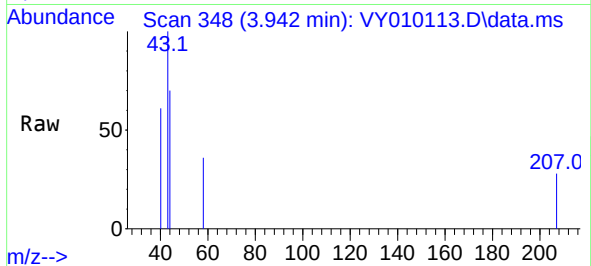




#16
Acetone
Concen: 2.064 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

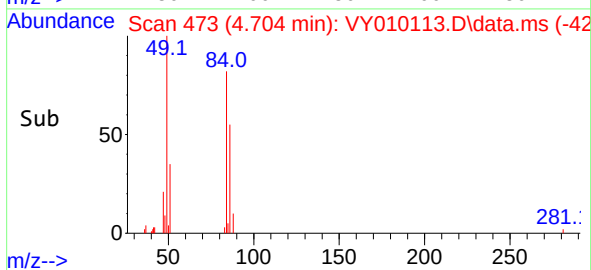
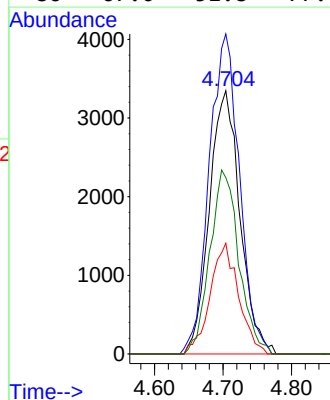
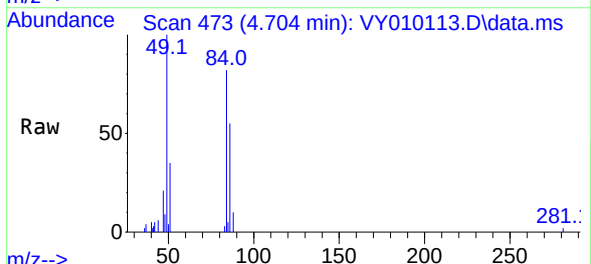
Instrument :
MSVOA_Y
ClientSampleId :
S2

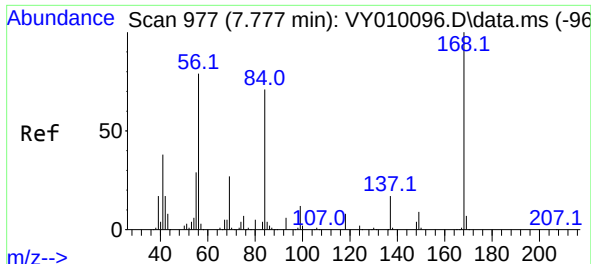
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 35.6 27.4 41.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion: 84 Resp: 10376
Ion Ratio Lower Upper
84 100
49 121.6 89.0 133.4
51 42.0 27.0 40.6#
86 67.0 51.8 77.6

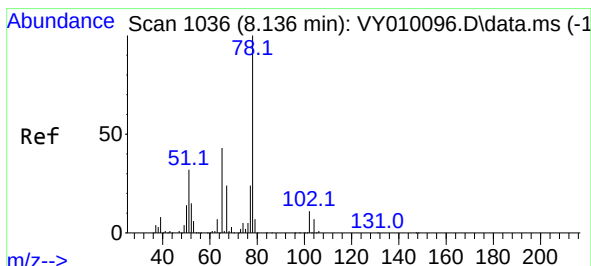
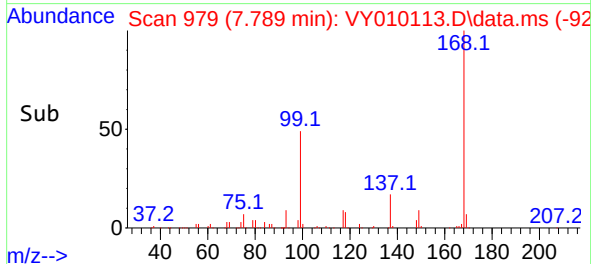
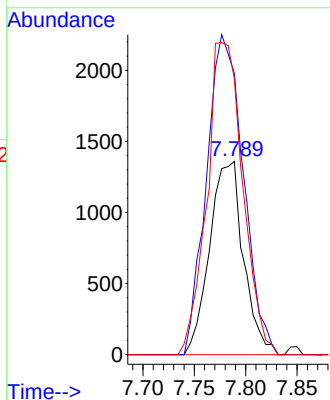
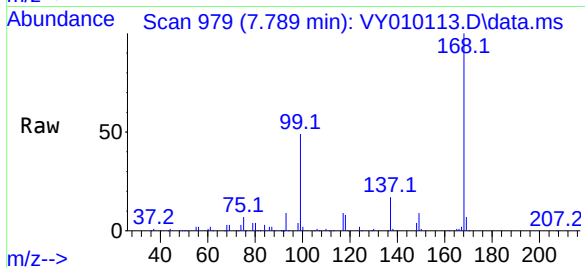




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

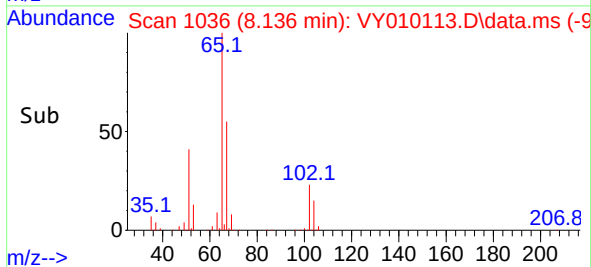
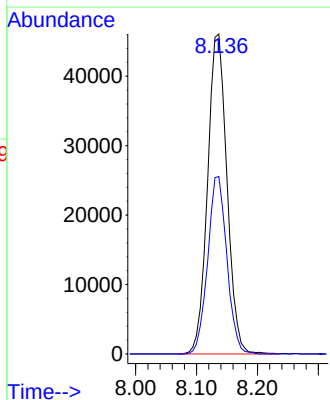
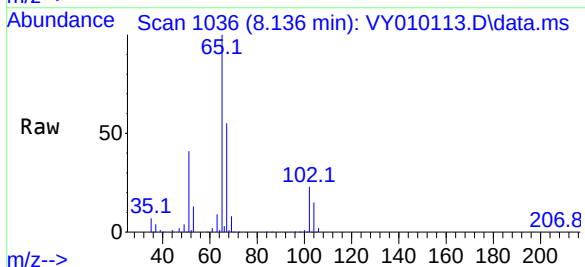
Instrument :
MSVOA_Y
ClientSampleId :
S2

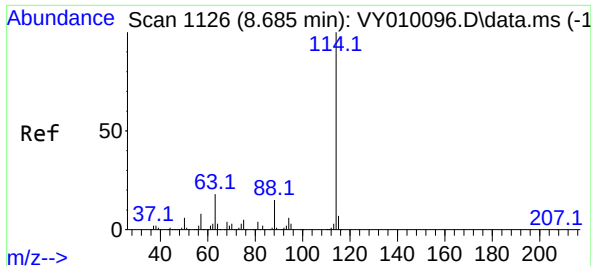
Tgt Ion: 56 Resp: 3110
Ion Ratio Lower Upper
56 100
69 145.6 27.3 40.9#
84 142.6 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 74.817 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion: 65 Resp: 101837
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.6



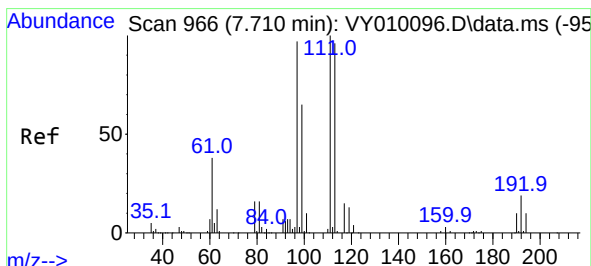
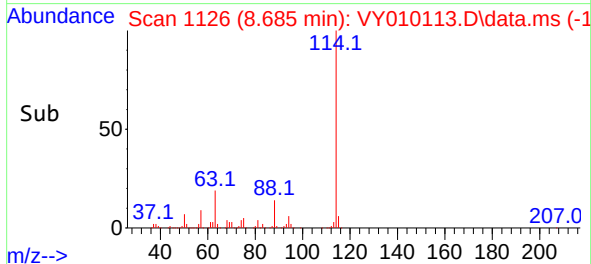
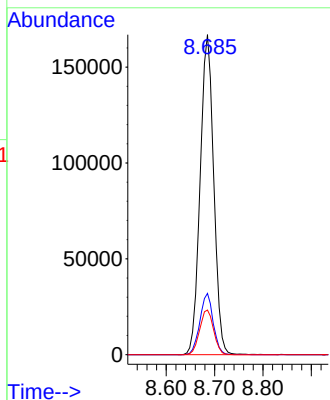
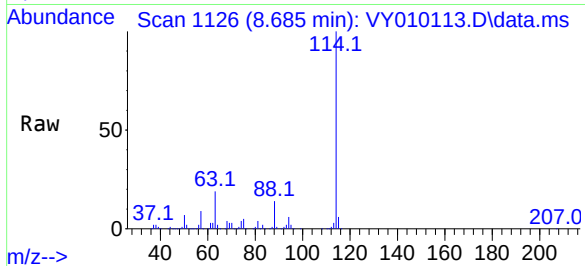


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Instrument :
MSVOA_Y
ClientSampleId :
S2

Tgt Ion:114 Resp: 325327

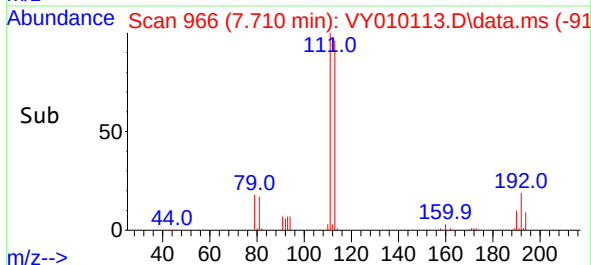
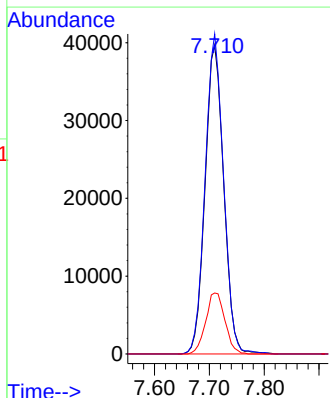
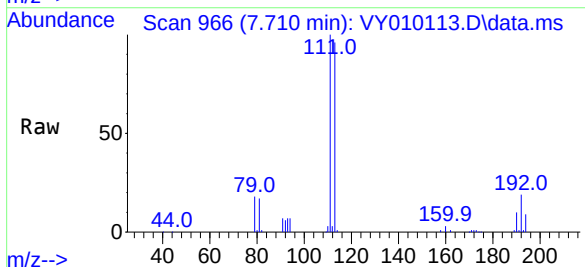
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	35.6
88	14.0	0.0	29.6

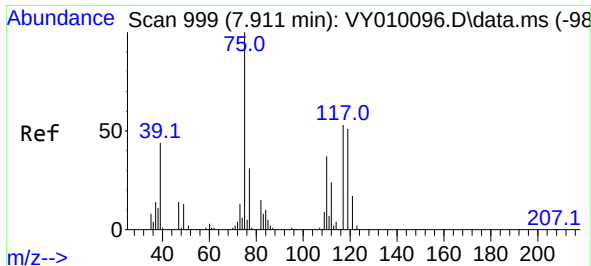


#35
Dibromofluoromethane
Concen: 51.010 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion:113 Resp: 93509

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	20.4	16.3	24.5

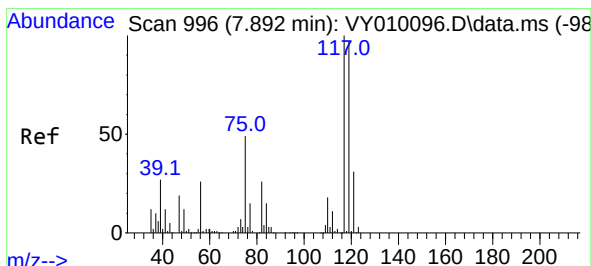
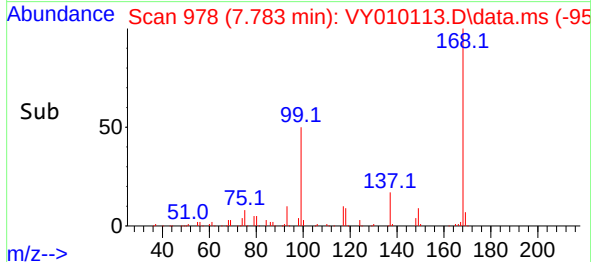
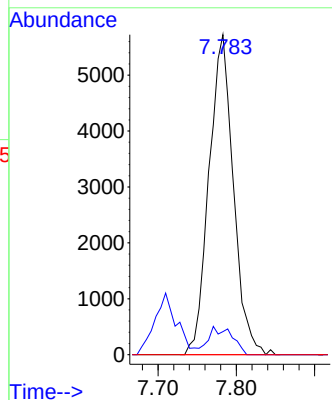
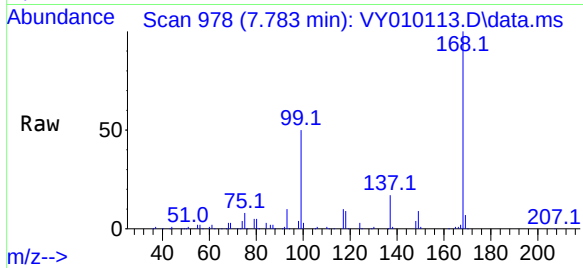




#36
1,1-Dichloropropene
Concen: 4.231 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

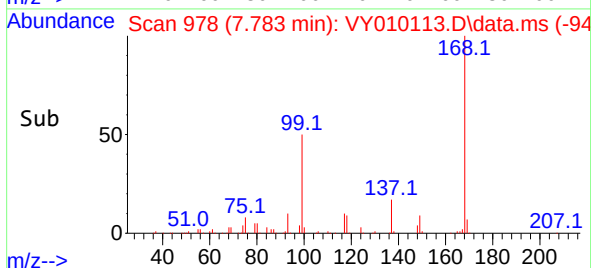
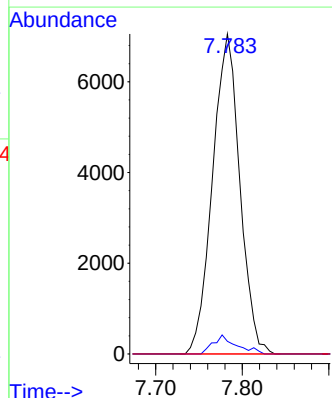
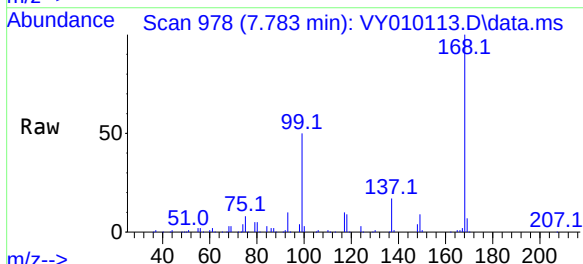
Instrument :
MSVOA_Y
ClientSampleId :
S2

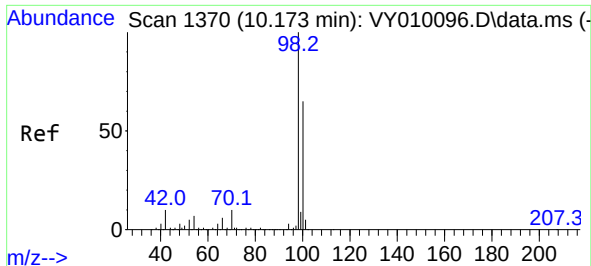
Tgt Ion: 75 Resp: 12380
Ion Ratio Lower Upper
75 100
110 8.4 18.6 56.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.030 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion: 117 Resp: 15436
Ion Ratio Lower Upper
117 100
119 4.0 77.1 115.7#
121 0.0 24.7 37.1#

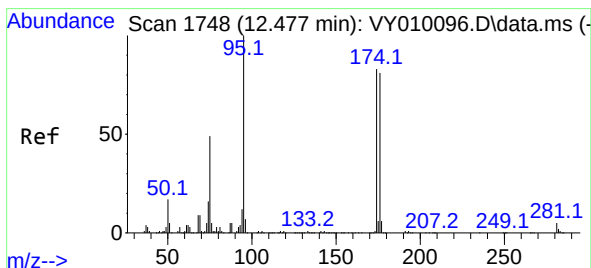
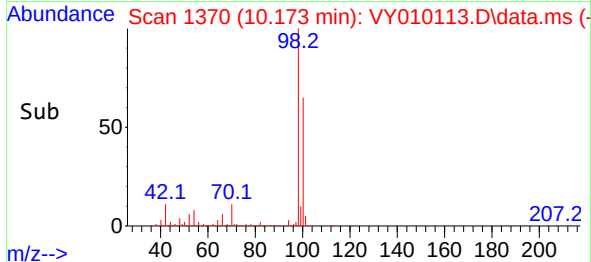
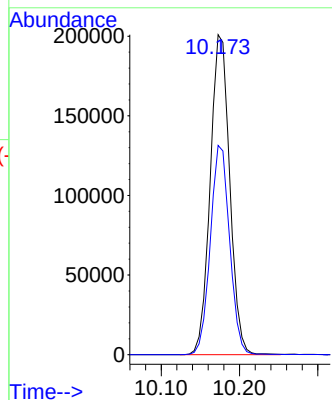
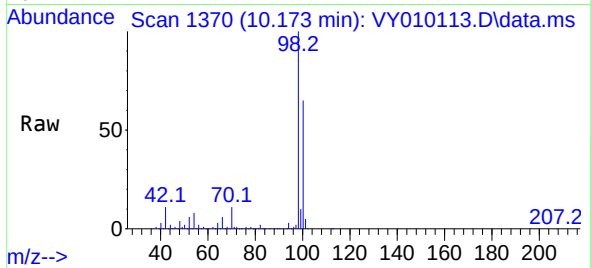




#50
Toluene-d8
Concen: 50.551 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

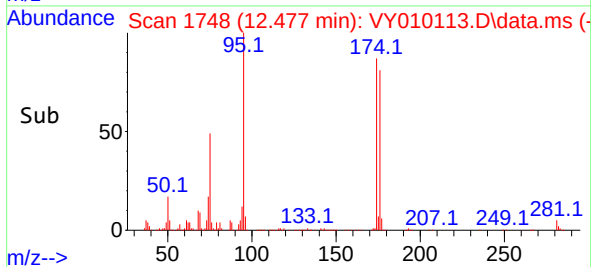
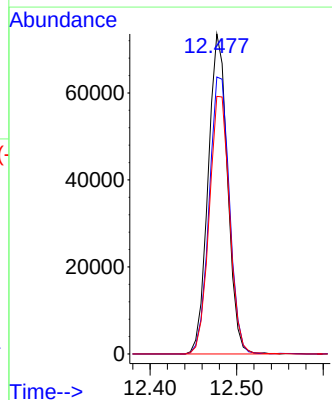
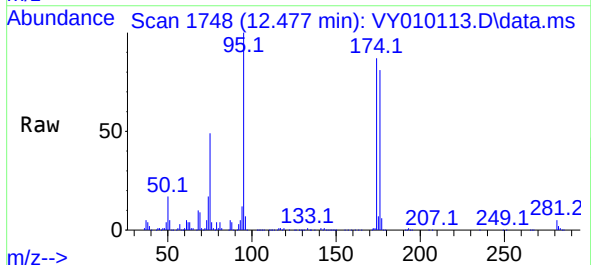
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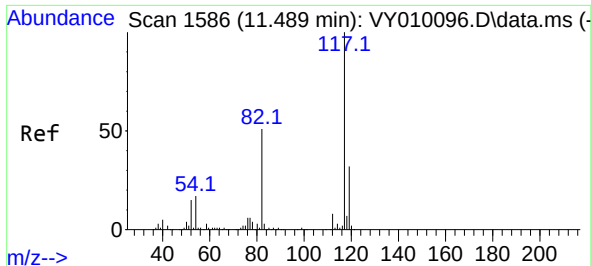
Tgt Ion: 98 Resp: 347233
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.640 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion: 95 Resp: 114465
Ion Ratio Lower Upper
95 100
174 90.3 0.0 173.8
176 84.3 0.0 167.2

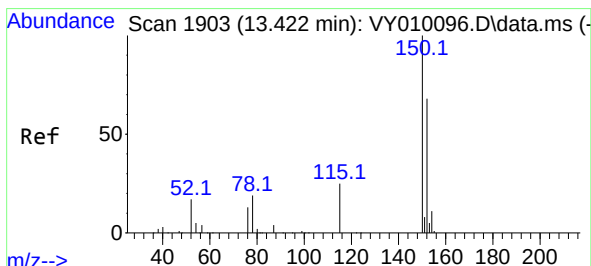
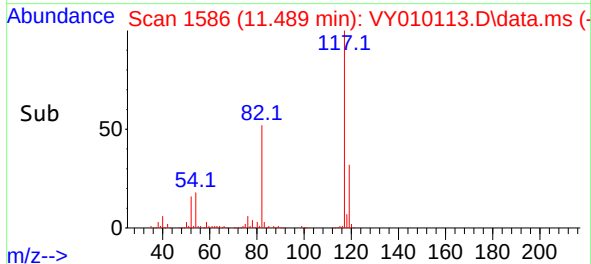
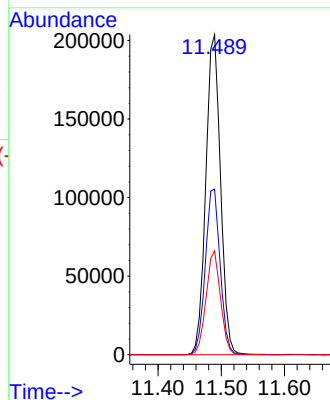
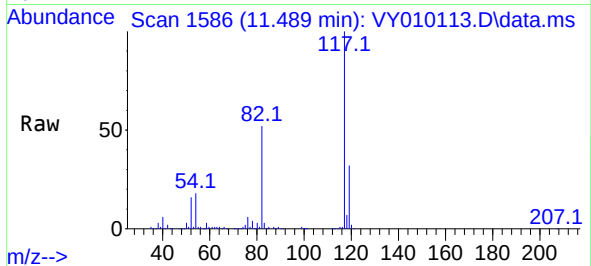




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

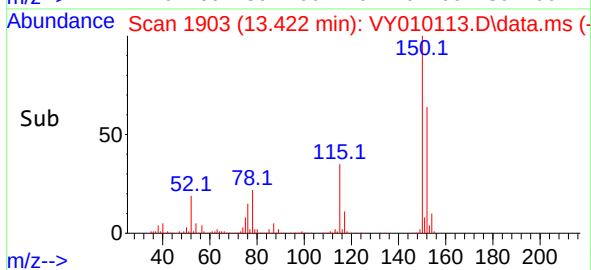
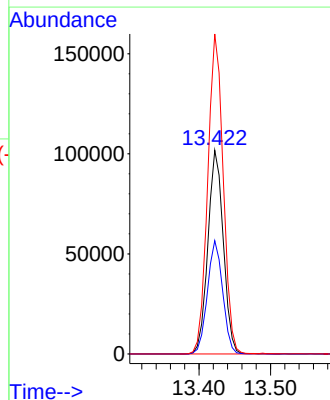
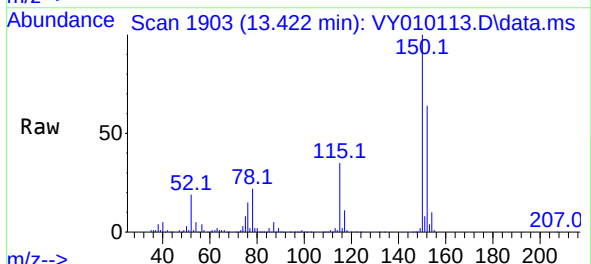
Instrument :
MSVOA_Y
ClientSampleId :
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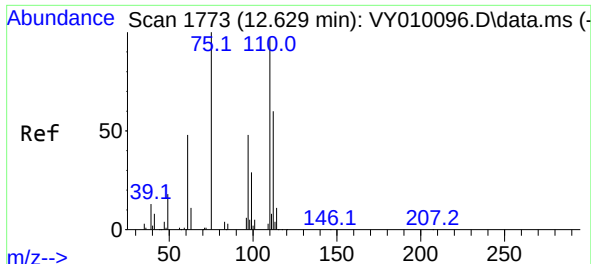
Tgt Ion:117 Resp: 330018
Ion Ratio Lower Upper
117 100
82 51.7 40.6 61.0
119 32.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion:152 Resp: 152470
Ion Ratio Lower Upper
152 100
115 55.0 28.1 84.2
150 157.7 0.0 346.2

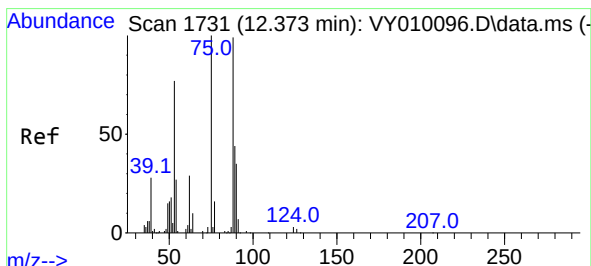
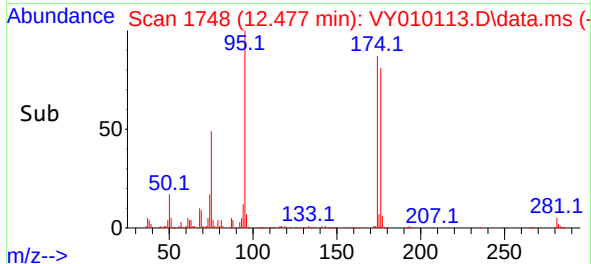
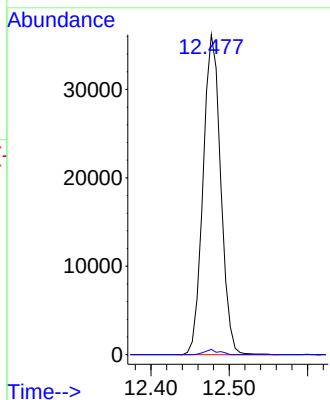
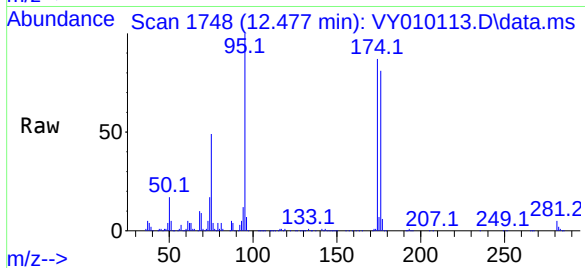




#76
1,2,3-Trichloropropane
Concen: 39.614 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

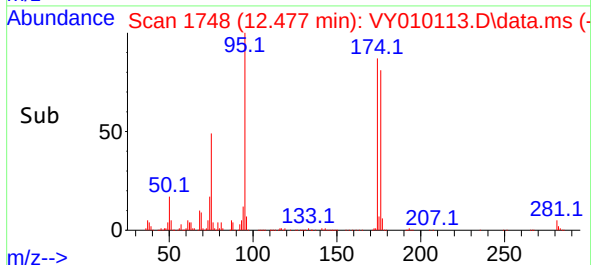
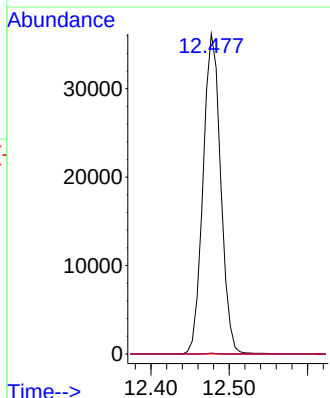
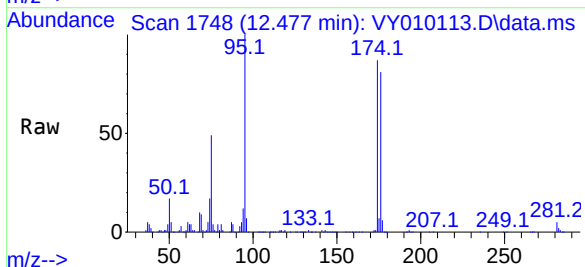
Instrument :
MSVOA_Y
ClientSampleId :
S2

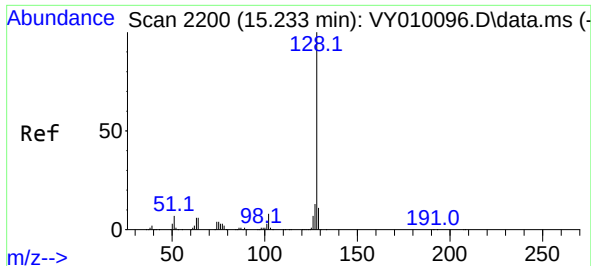
Tgt Ion: 75 Resp: 56566
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.565 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010113.D
Acq: 19 Aug 2022 19:03

Tgt Ion: 75 Resp: 56566
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 36.8 55.2#





#95

Naphthalene

Concen: 3.949 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY010113.D

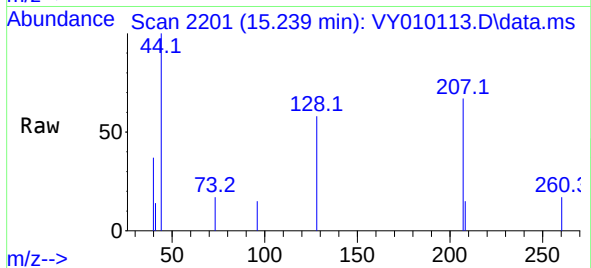
Acq: 19 Aug 2022 19:03

Instrument :

MSVOA_Y

ClientSampleId :

S2



Tgt Ion:	128	Resp:	389
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.9	13.3#

