

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010110.D
 Acq On : 19 Aug 2022 17:52
 Operator : KP/MD
 Sample : N4200-07
 Misc : 11.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S12

Quant Time: Aug 22 02:43:39 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)

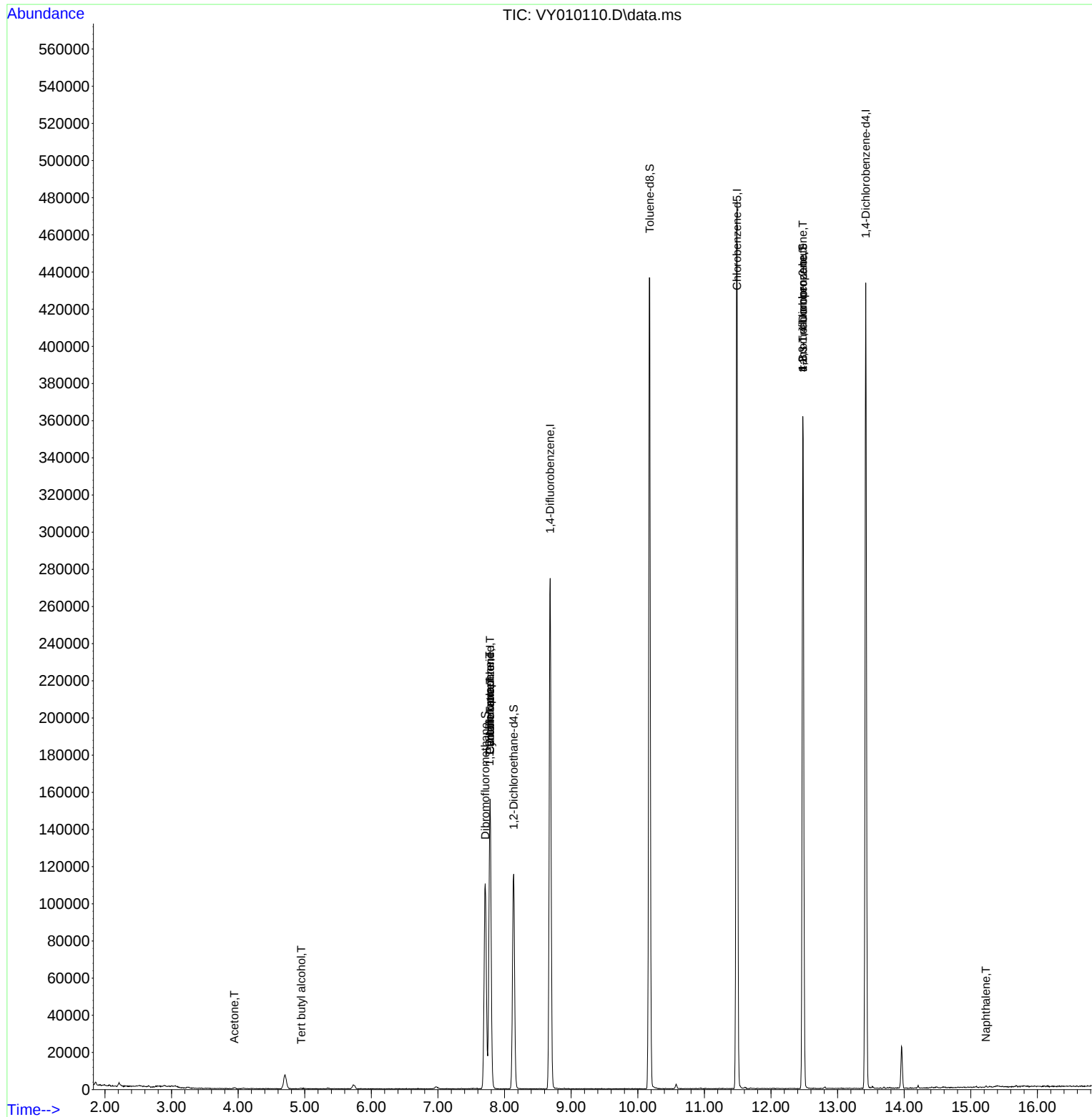
Internal Standards						
1) Pentafluorobenzene	7.783	168	126653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	241104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	278602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	86316	83.204	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 166.400%#	
35) Dibromofluoromethane	7.710	113	80738	59.428	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 118.860%	
50) Toluene-d8	10.179	98	293789	57.711	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 115.420%	
62) 4-Bromofluorobenzene	12.477	95	108394	59.594	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 119.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	613	15.916	ug/l #	73
16) Acetone	3.942	43	759	2.923	ug/l #	85
20) Methylene Chloride	4.704	84	5712	Below Cal	#	92
31) Cyclohexane	7.783	56	2306	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	9053	4.175	ug/l #	48
38) Carbon Tetrachloride	7.783	117	12072	5.308	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	52487	48.679	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	52487	97.771	ug/l #	18
95) Naphthalene	15.227	128	467	3.985	ug/l #	69

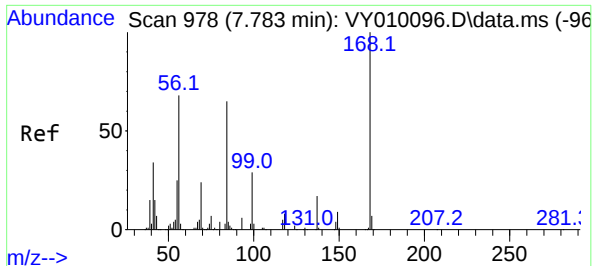
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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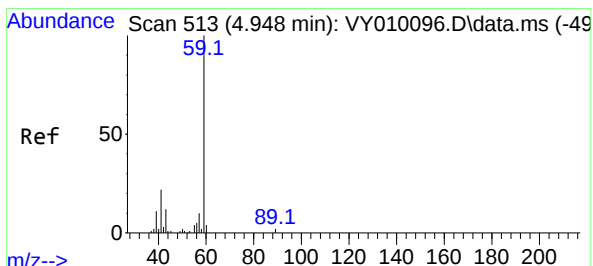
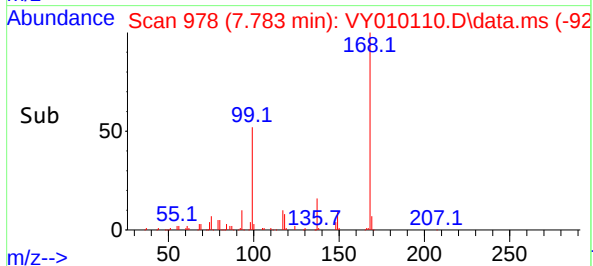
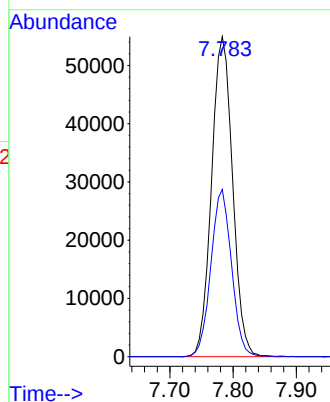
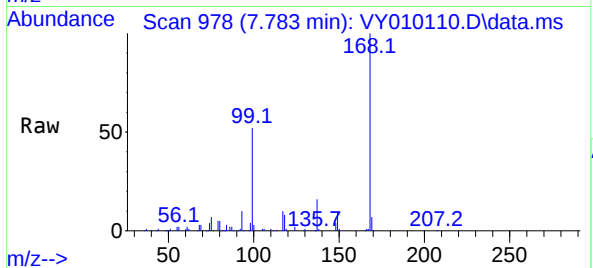




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

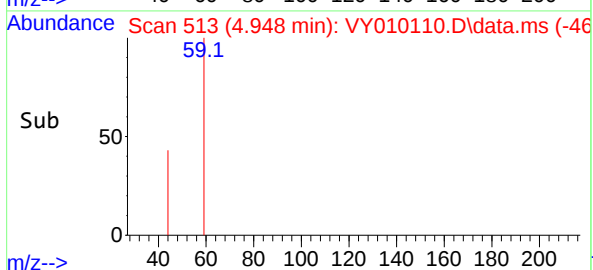
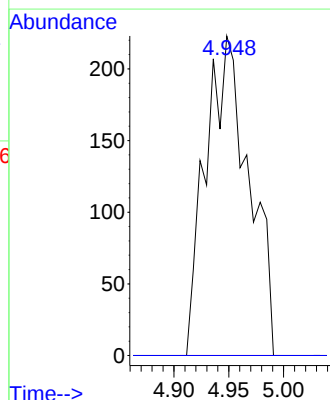
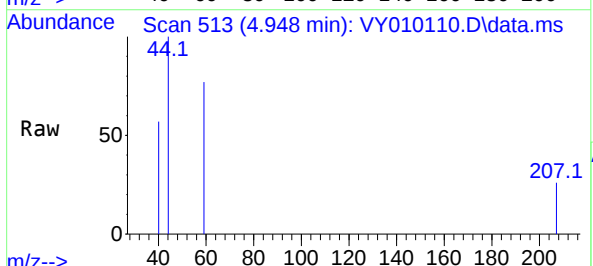
Instrument :
MSVOA_Y
ClientSampleId :
S12

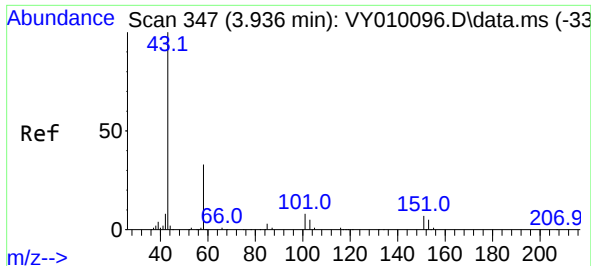
Tgt Ion:168 Resp: 126653
Ion Ratio Lower Upper
168 100
99 52.2 40.7 61.1



#11
Tert butyl alcohol
Concen: 15.916 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 59 Resp: 613
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

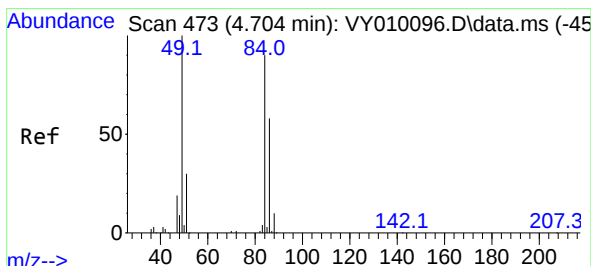
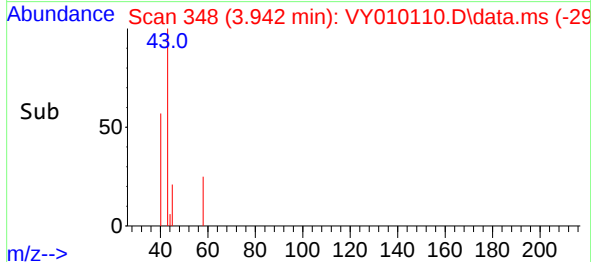
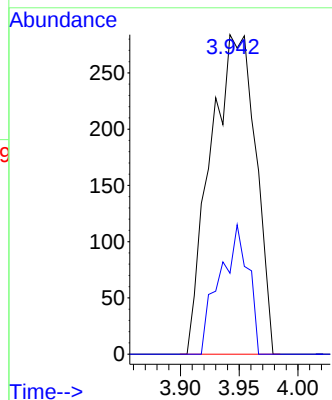
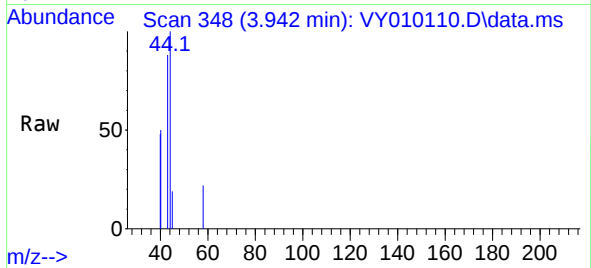




#16
Acetone
Concen: 2.923 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

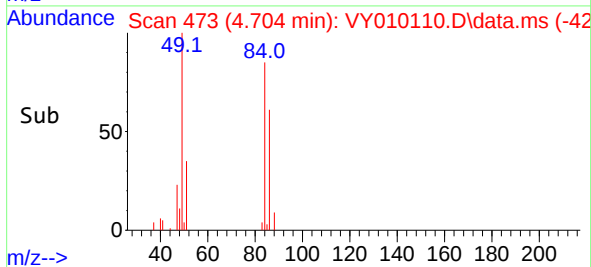
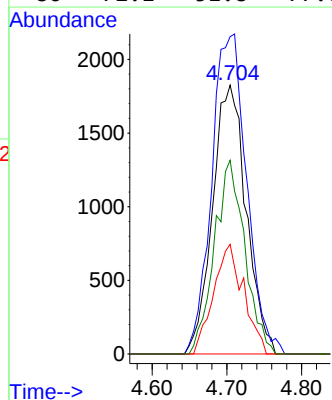
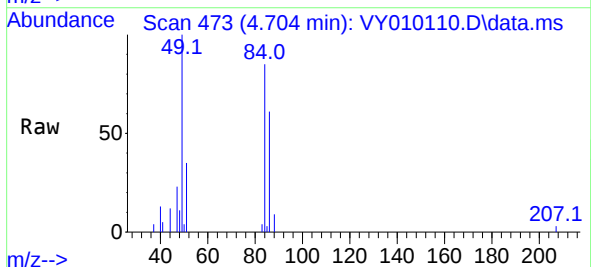
Instrument :
MSVOA_Y
ClientSampleId :
S12

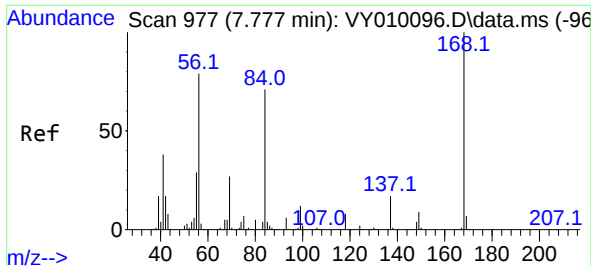
Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
58 25.4 27.4 41.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 84 Resp: 5712
Ion Ratio Lower Upper
84 100
49 118.1 89.0 133.4
51 40.8 27.0 40.6#
86 72.1 51.8 77.6

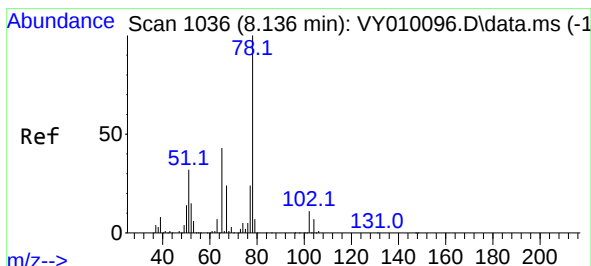
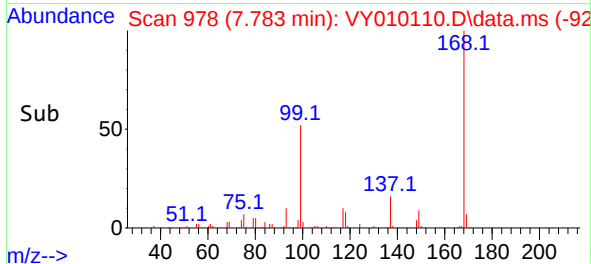
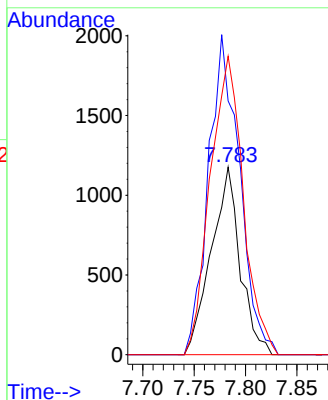
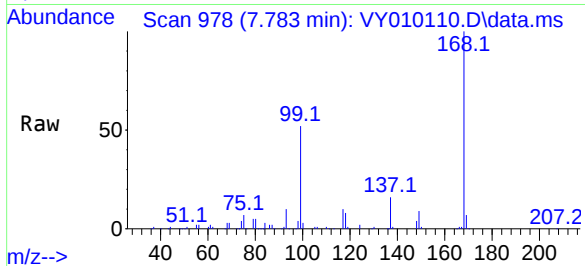




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

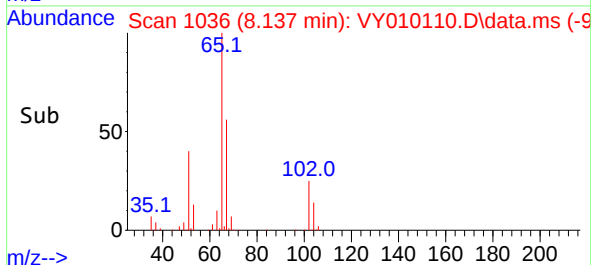
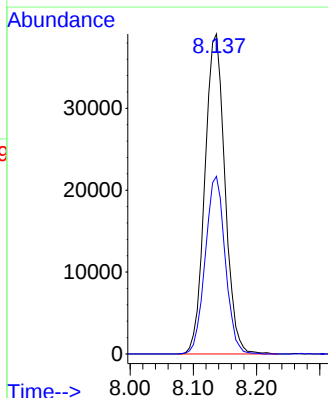
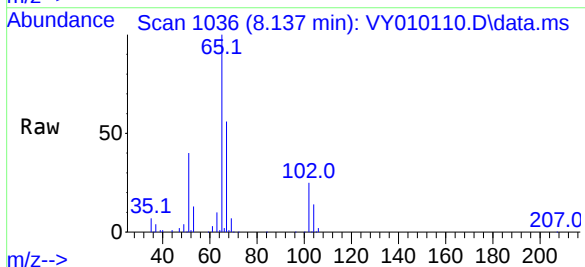
Instrument :
MSVOA_Y
ClientSampleId :
S12

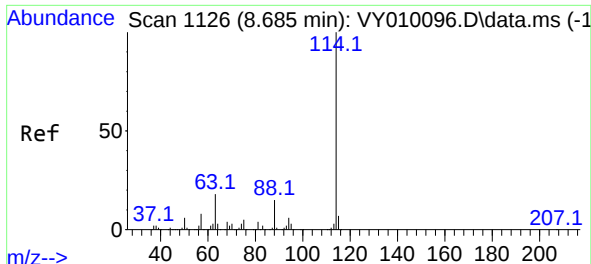
Tgt Ion: 56 Resp: 2306
Ion Ratio Lower Upper
56 100
69 135.4 27.3 40.9#
84 159.2 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 83.204 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 65 Resp: 86316
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.6

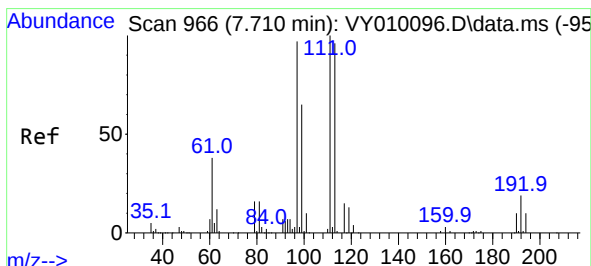
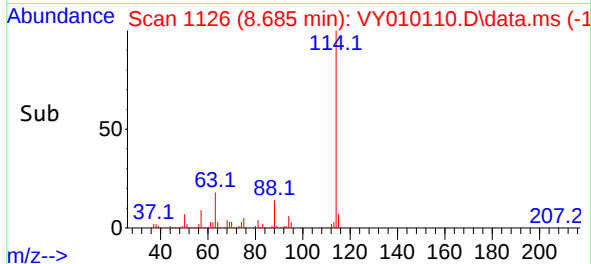
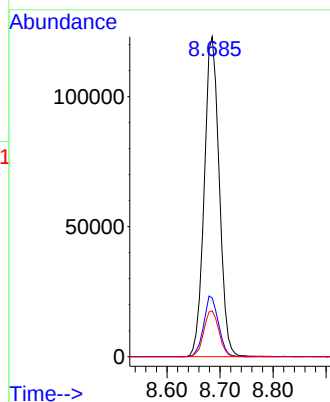
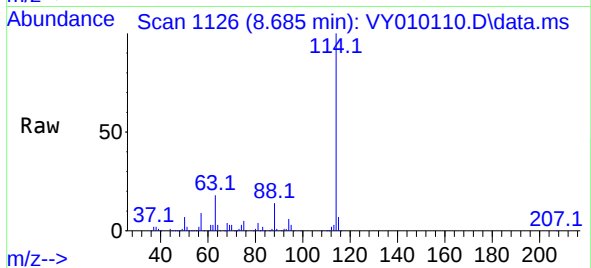




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

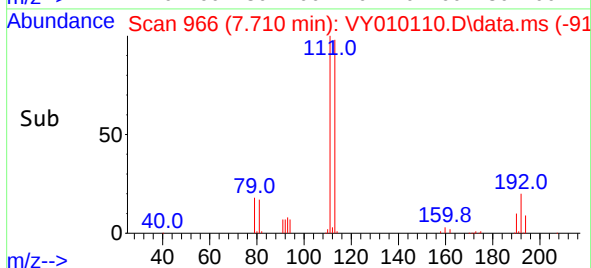
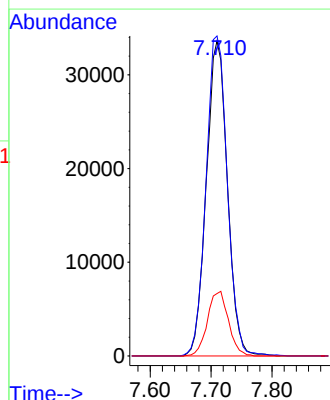
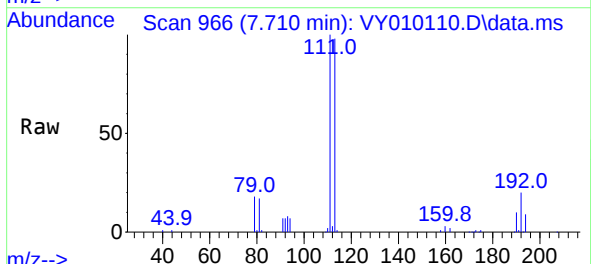
Instrument :
MSVOA_Y
ClientSampleId :
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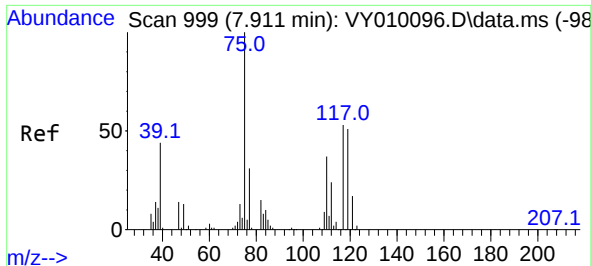
Tgt Ion:	114	Resp:	241104
Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	35.6
88	14.4	0.0	29.6



#35
Dibromofluoromethane
Concen: 59.428 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion:	113	Resp:	80738
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	20.4	16.3	24.5

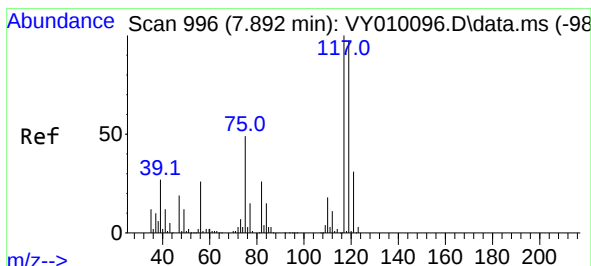
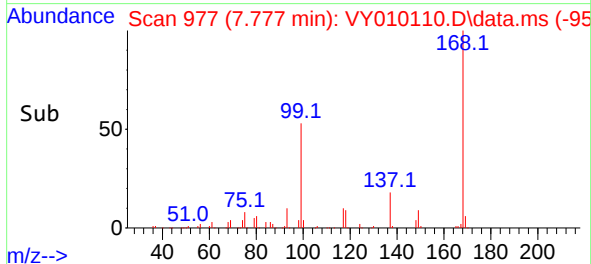
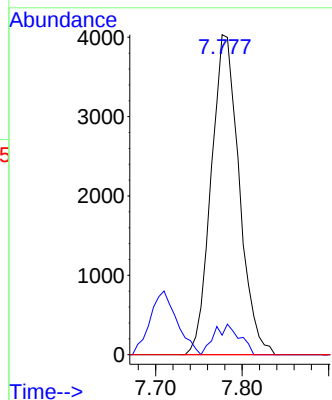
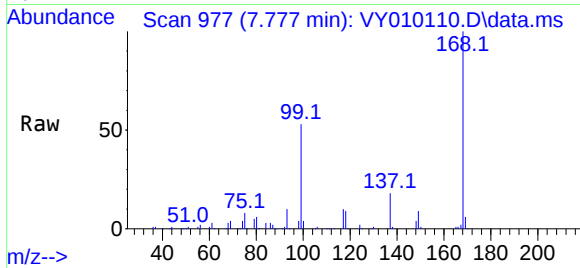




#36
1,1-Dichloropropene
Concen: 4.175 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

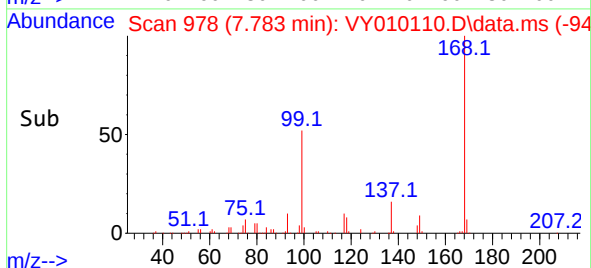
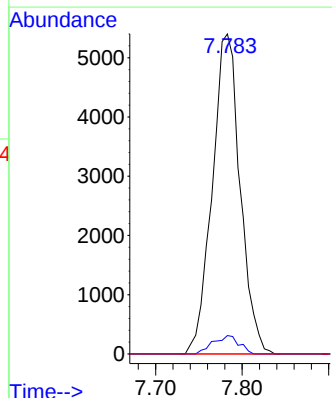
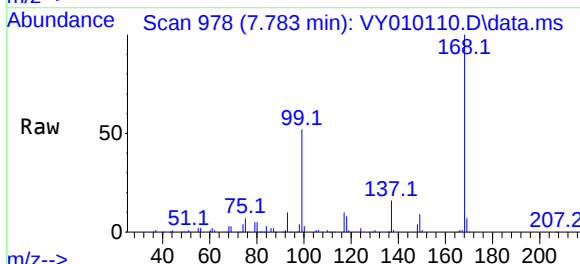
Instrument :
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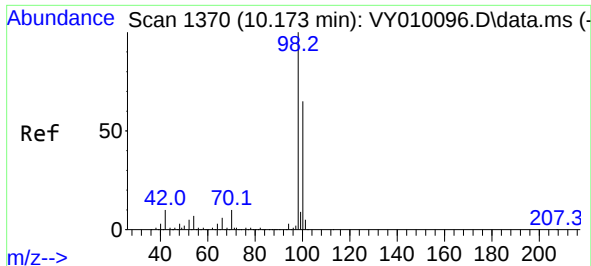
Tgt Ion: 75 Resp: 9053
Ion Ratio Lower Upper
75 100
110 8.6 18.6 56.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.308 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 117 Resp: 12072
Ion Ratio Lower Upper
117 100
119 5.8 77.1 115.7#
121 0.0 24.7 37.1#

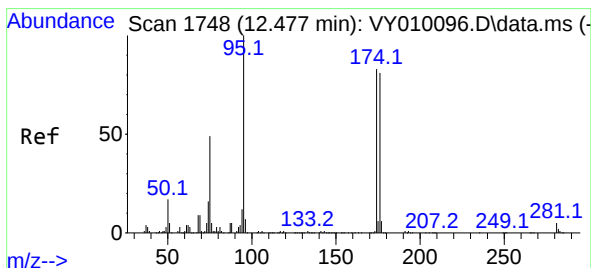
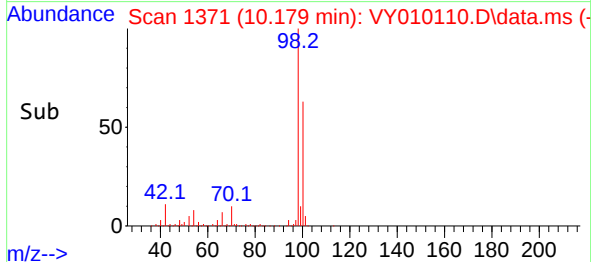
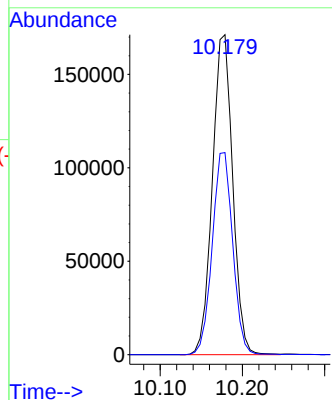
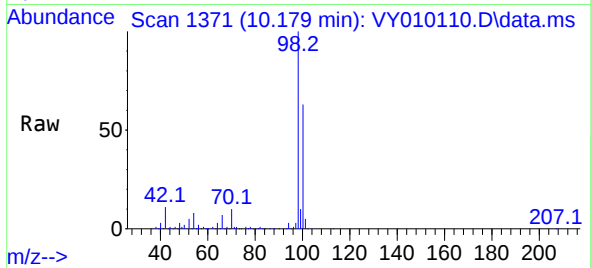




#50
Toluene-d8
Concen: 57.711 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

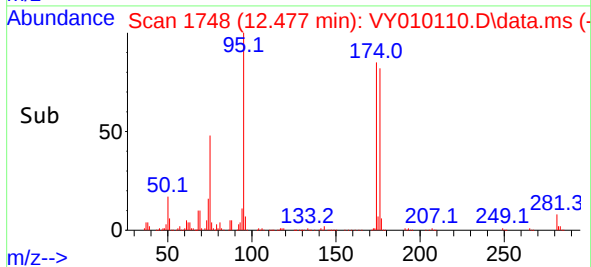
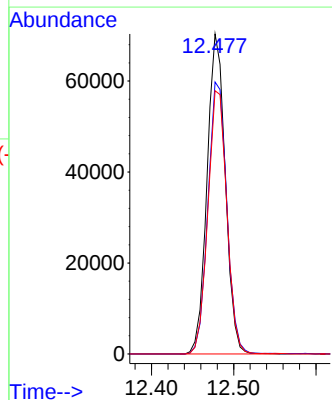
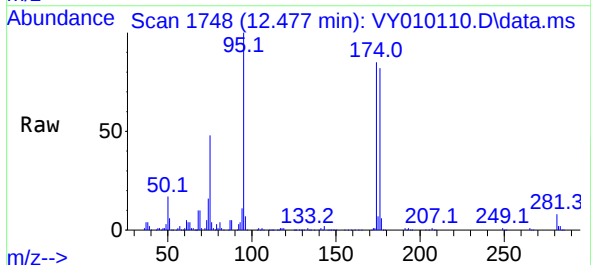
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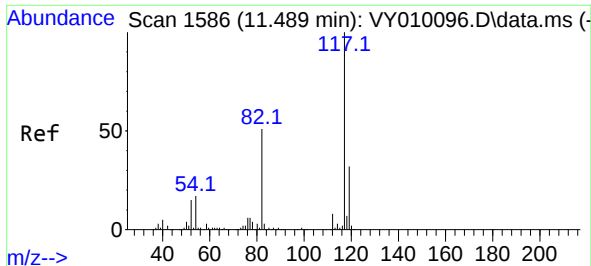
Tgt Ion: 98 Resp: 293789
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 59.594 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 95 Resp: 108394
Ion Ratio Lower Upper
95 100
174 88.1 0.0 173.8
176 85.5 0.0 167.2

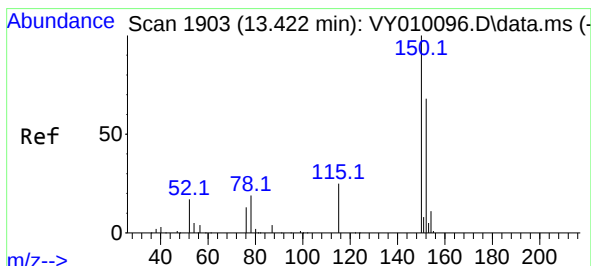
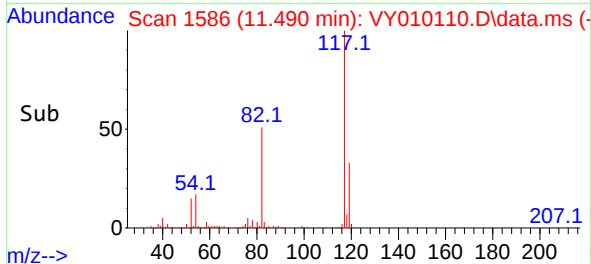
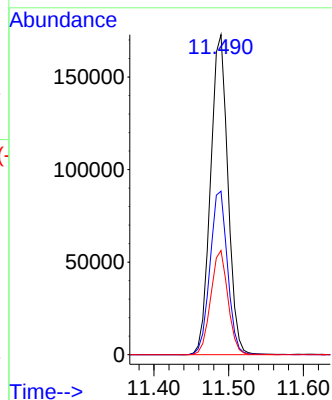
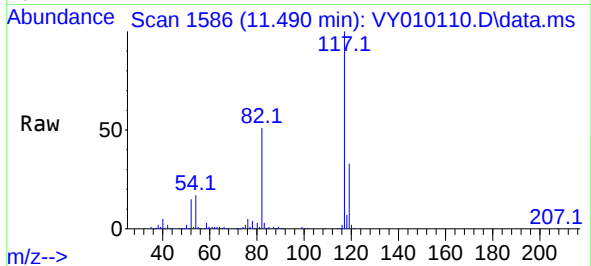




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

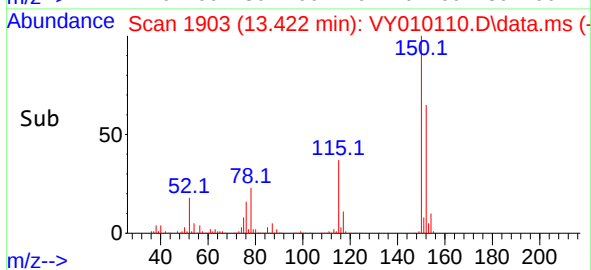
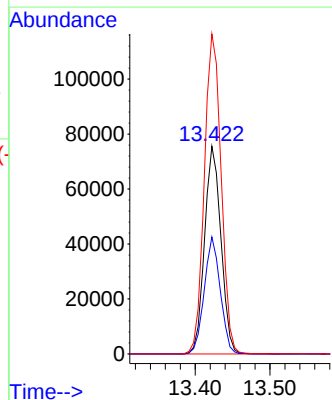
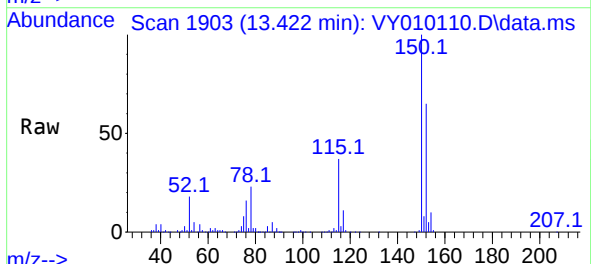
Instrument :
MSVOA_Y
ClientSampleId :
S12

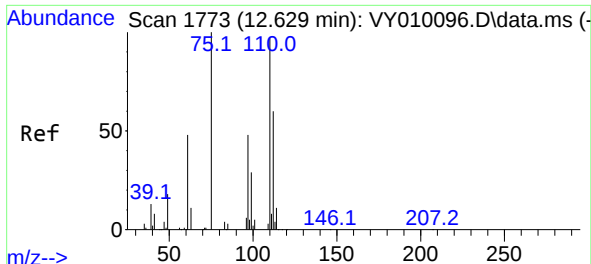
Tgt Ion:117 Resp: 278602
Ion Ratio Lower Upper
117 100
82 51.1 40.6 61.0
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion:152 Resp: 115131
Ion Ratio Lower Upper
152 100
115 55.1 28.1 84.2
150 158.0 0.0 346.2

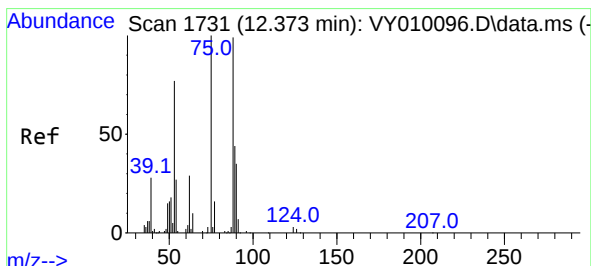
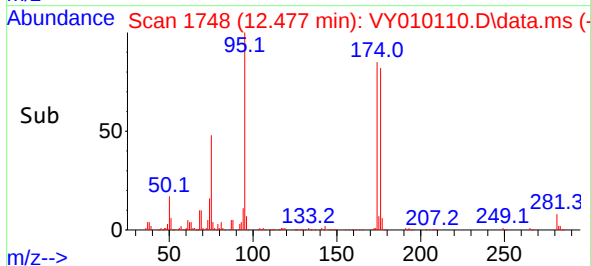
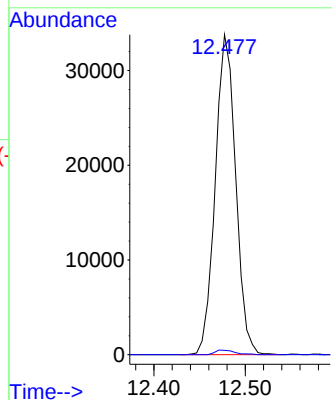
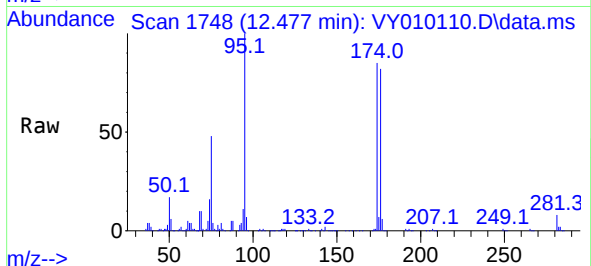




#76
1,2,3-Trichloropropane
Concen: 48.679 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

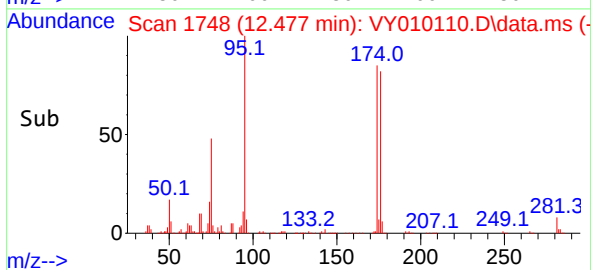
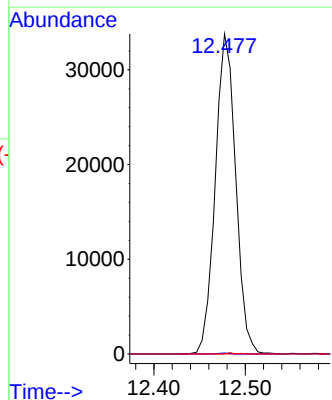
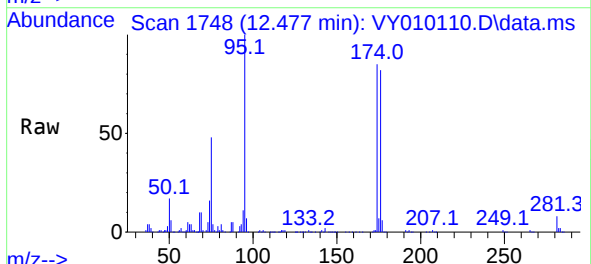
Instrument :
MSVOA_Y
ClientSampleId :
S12

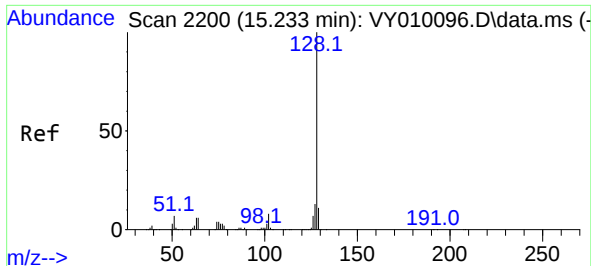
Tgt Ion: 75 Resp: 52487
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.771 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010110.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 75 Resp: 52487
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.1 36.8 55.2#





#95

Naphthalene

Concen: 3.985 ug/l

RT: 15.227 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY010110.D

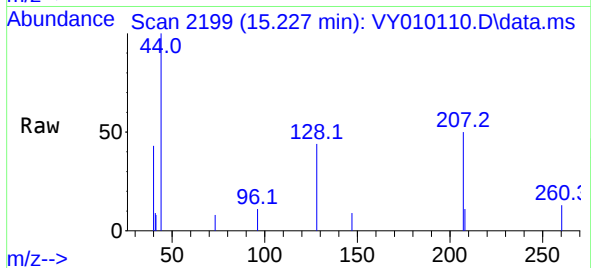
Acq: 19 Aug 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

S12



Tgt Ion:128 Resp: 467

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.9 13.3#

