

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013950.D
 Acq On : 31 May 2023 20:53
 Operator : KP/MD
 Sample : 02979-01
 Misc : 3.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR044-VNJ224

Quant Time: Jun 01 03:32:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

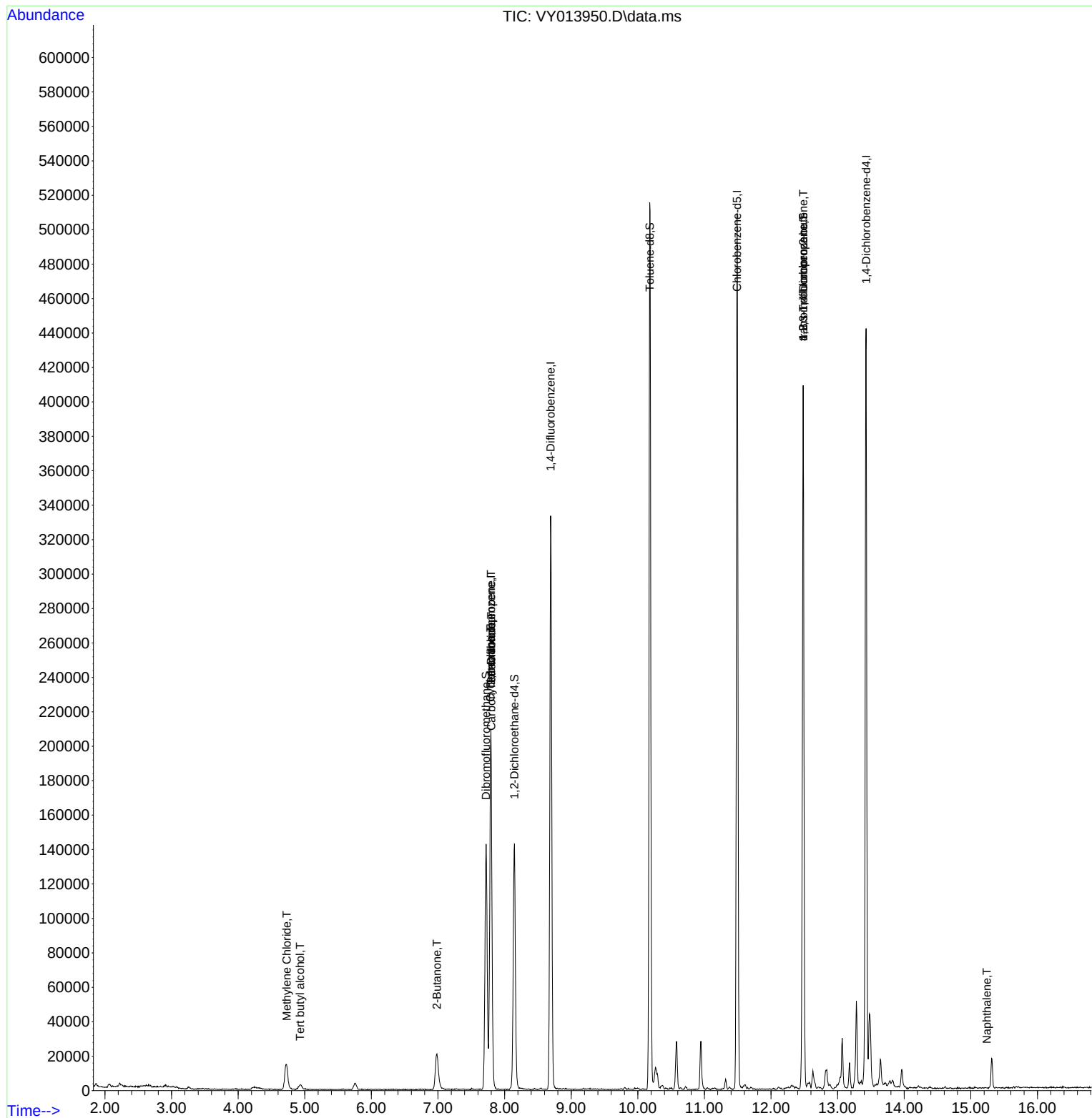
Internal Standards						
1) Pentafluorobenzene	7.795	168	157865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	268262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116570	63.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.660%			
35) Dibromofluoromethane	7.722	113	96270	54.298	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.600%			
50) Toluene-d8	10.179	98	336819	49.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.483	95	104620	46.707	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.420%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	3057	21.850	ug/l #	73
20) Methylene Chloride	4.729	84	11099	3.408	ug/l	89
25) 2-Butanone	6.984	43	886	1.340	ug/l #	49
31) Cyclohexane	7.789	56	3967	1.414	ug/l #	9
36) 1,1-Dichloropropene	7.795	75	12376	4.583	ug/l #	50
38) Carbon Tetrachloride	7.801	117	15416	5.020	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	58876	44.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58876	96.488	ug/l #	10
95) Naphthalene	15.239	128	324	4.610	ug/l #	68

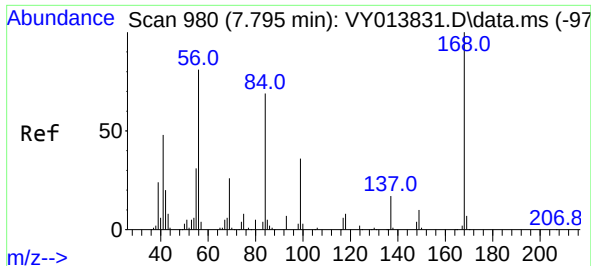
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

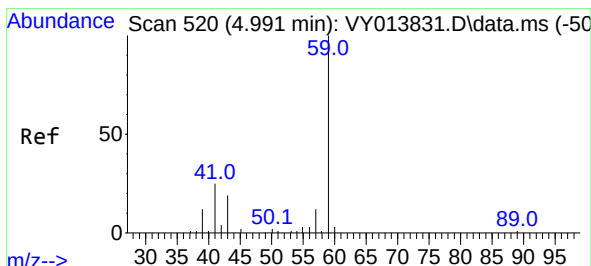
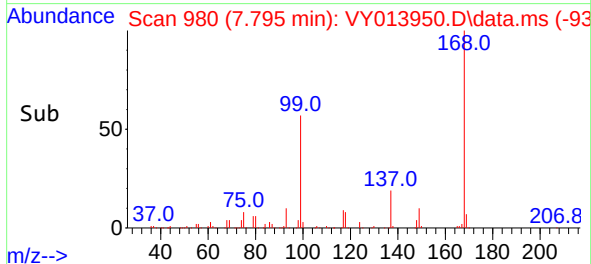
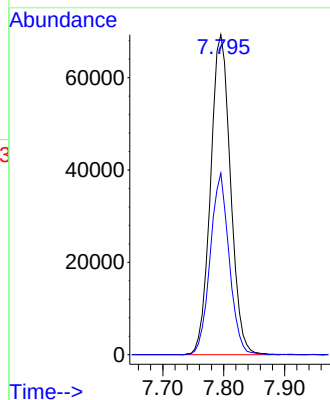
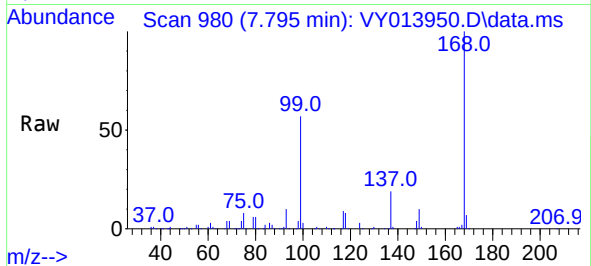




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

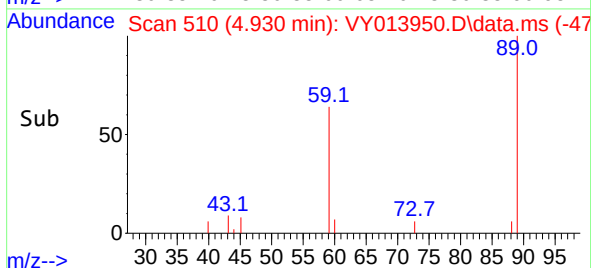
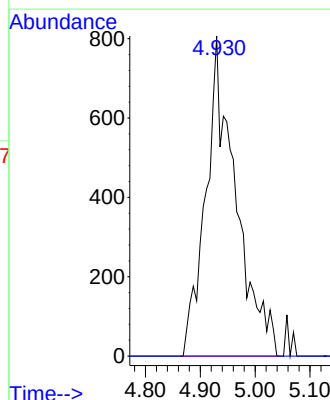
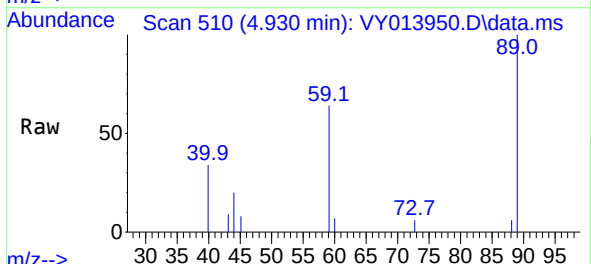
Instrument :
MSVOA_Y
ClientSampleId :
RBR044-VNJ224

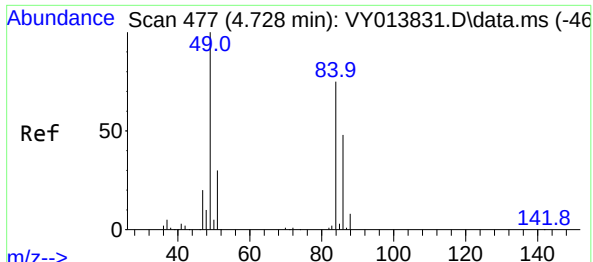
Tgt Ion:168 Resp: 157865
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.2



#11
Tert butyl alcohol
Concen: 21.850 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.061 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

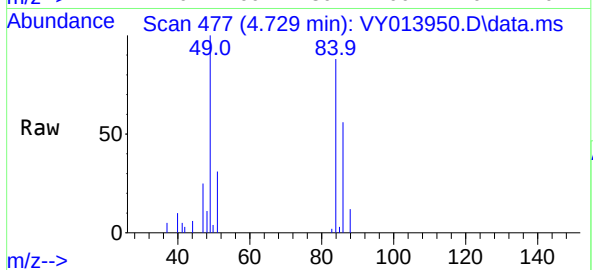
Tgt Ion: 59 Resp: 3057
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





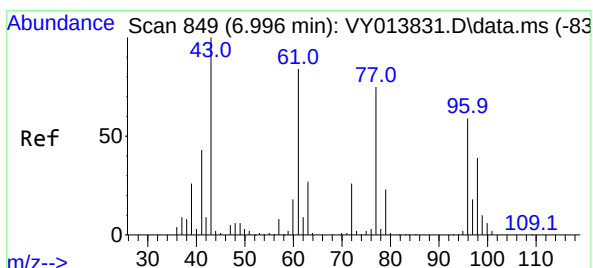
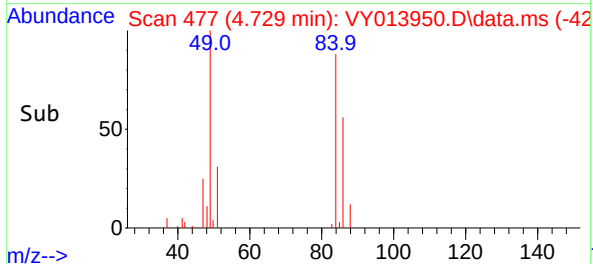
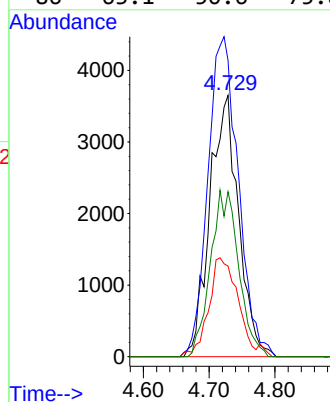
#20
Methylene Chloride
Concen: 3.408 ug/l
RT: 4.729 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

Instrument :
MSVOA_Y
ClientSampleId :
RBR044-VNJ224



Tgt Ion: 84 Resp: 11099

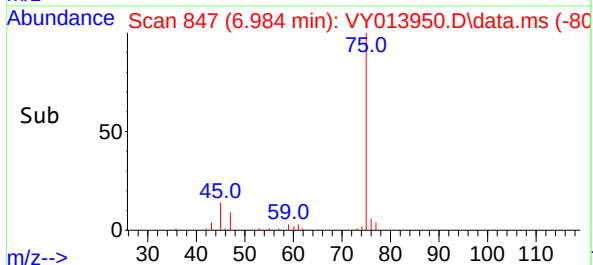
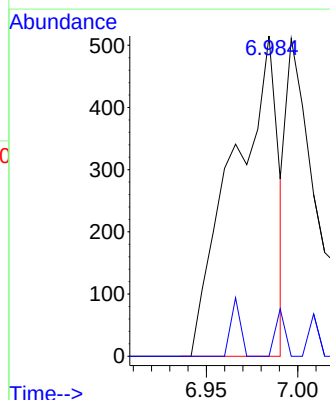
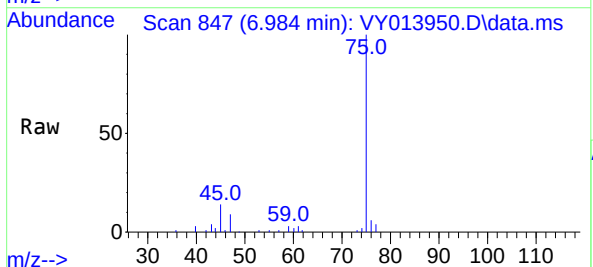
Ion	Ratio	Lower	Upper
84	100		
49	113.4	106.2	159.2
51	34.6	31.4	47.0
86	63.1	50.6	75.8

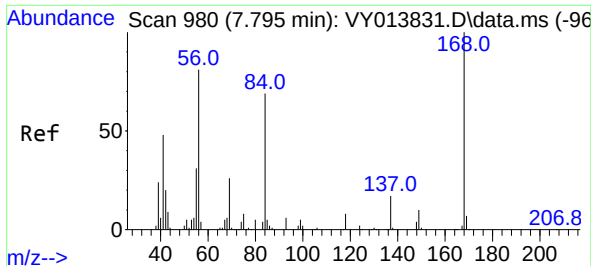


#25
2-Butanone
Concen: 1.340 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

Tgt Ion: 43 Resp: 886

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#

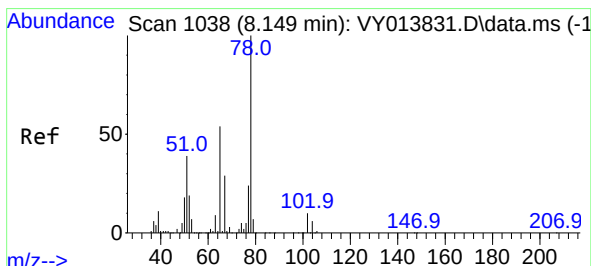
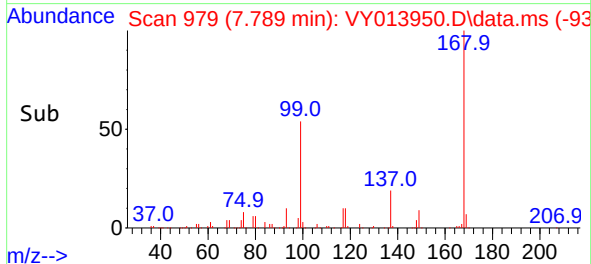
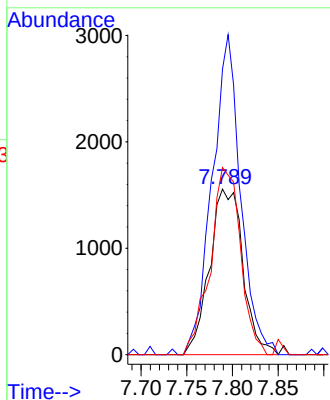
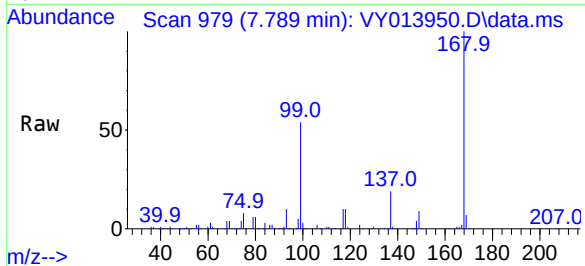




#31
Cyclohexane
Concen: 1.414 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

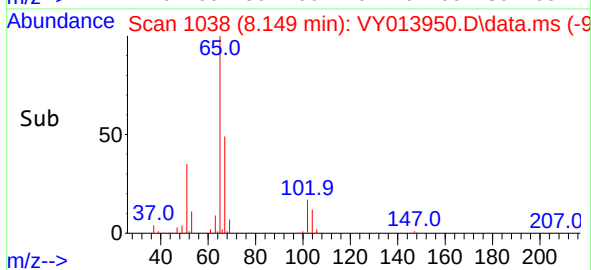
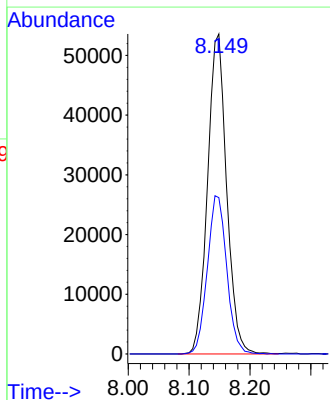
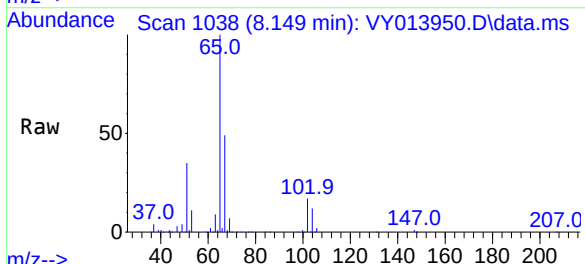
Instrument :
MSVOA_Y
ClientSampleId :
RBR044-VNJ224

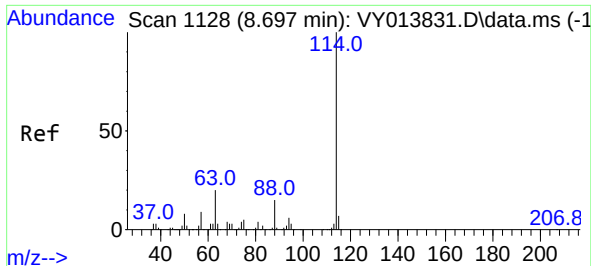
Tgt Ion: 56 Resp: 3967
Ion Ratio Lower Upper
56 100
69 172.4 25.8 38.8#
84 112.9 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 63.827 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

Tgt Ion: 65 Resp: 116570
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013950.D

Acq: 31 May 2023 20:53

Instrument :

MSVOA_Y

ClientSampleId :

RBR044-VNJ224

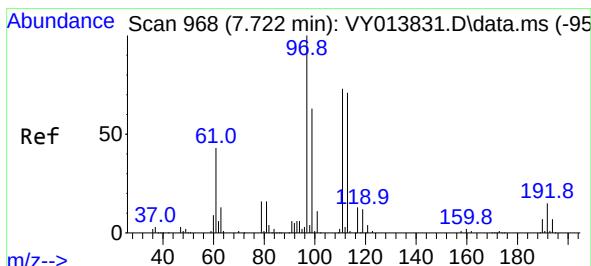
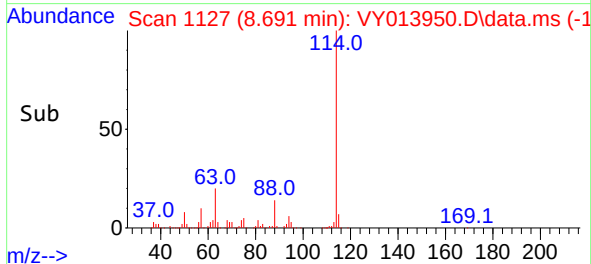
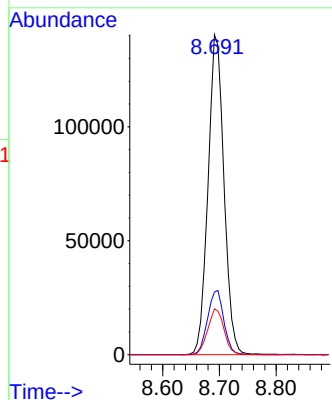
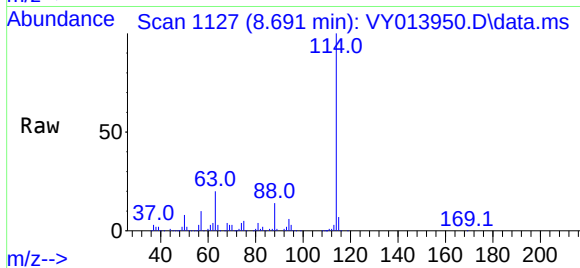
Tgt Ion:114 Resp: 274542

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.298 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013950.D

Acq: 31 May 2023 20:53

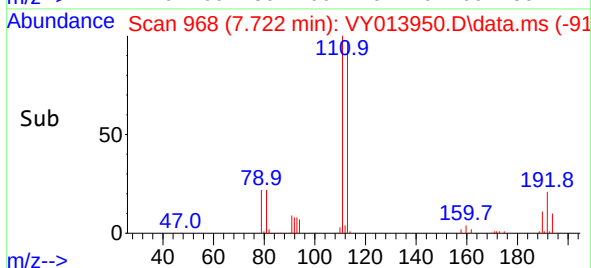
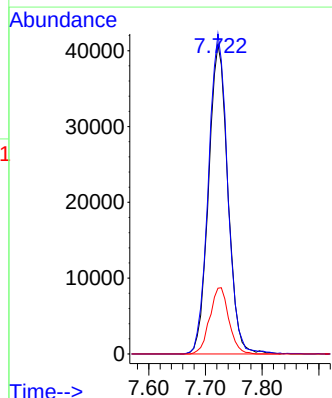
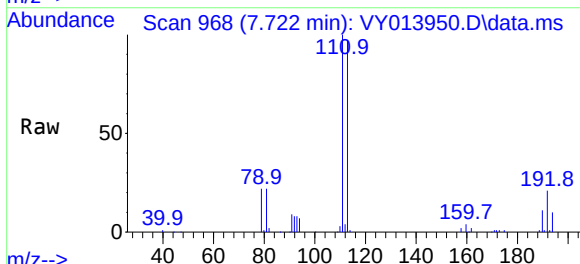
Tgt Ion:113 Resp: 96270

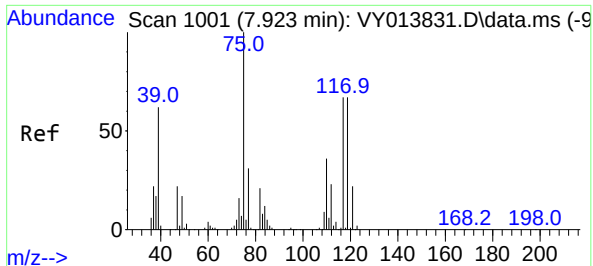
Ion Ratio Lower Upper

113 100

111 103.4 80.4 120.6

192 21.2 16.6 25.0

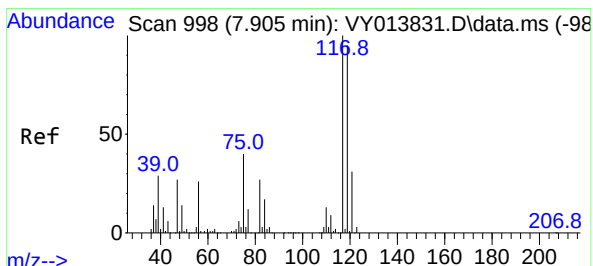
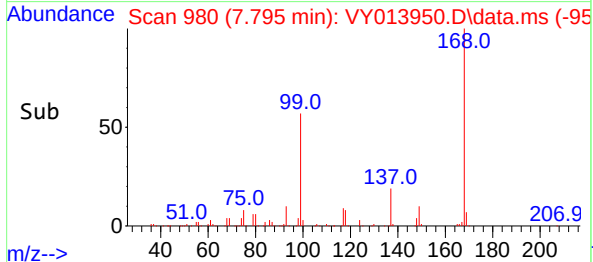
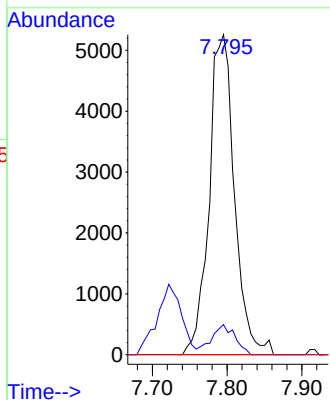
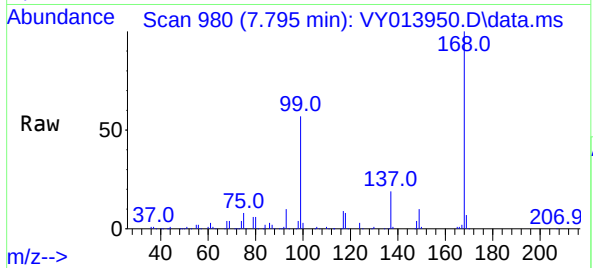




#36
1,1-Dichloropropene
Concen: 4.583 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

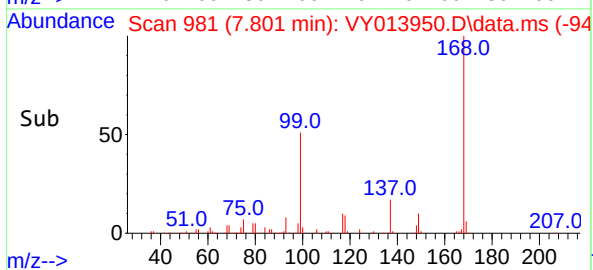
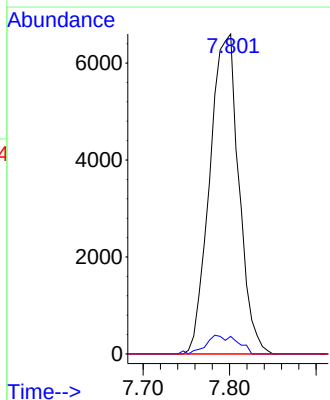
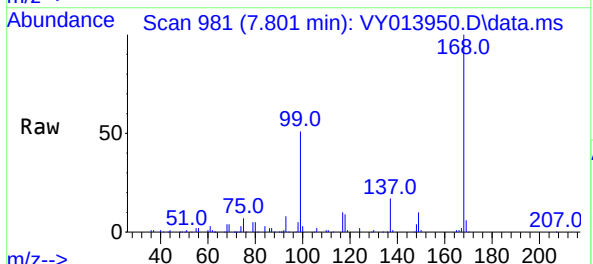
Instrument :
MSVOA_Y
ClientSampleId :
RBR044-VNJ224

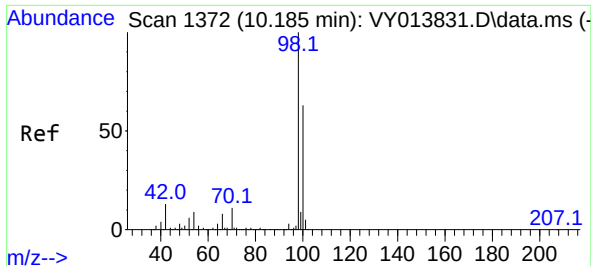
Tgt Ion: 75 Resp: 12376
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

Tgt Ion: 117 Resp: 15416
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 24.8 37.2#

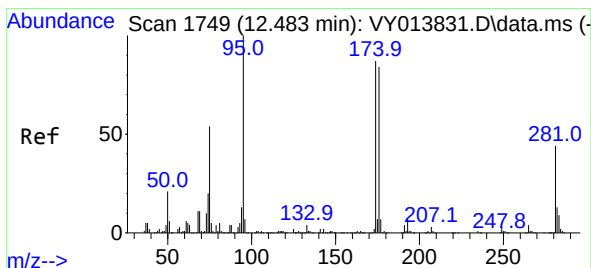
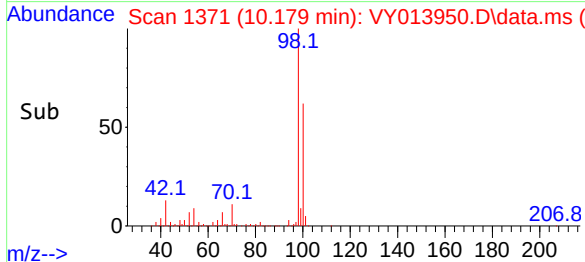
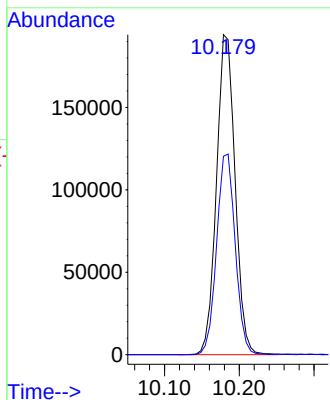
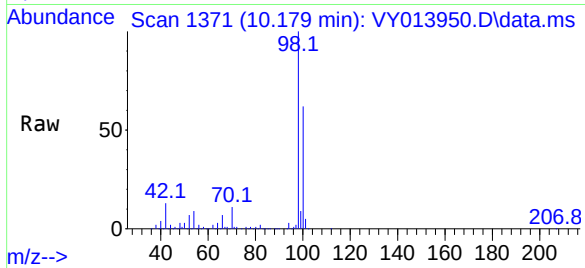




#50
Toluene-d8
Concen: 49.983 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

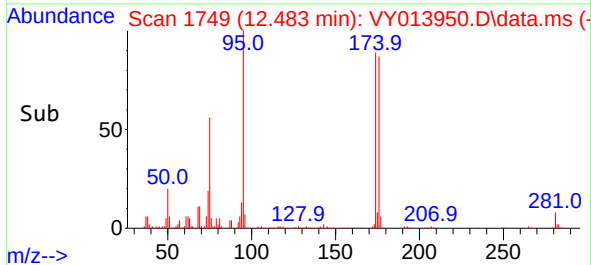
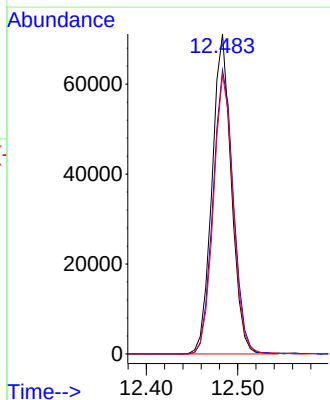
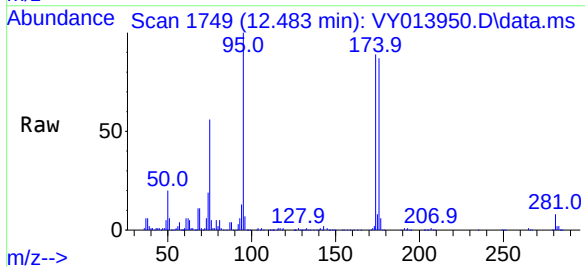
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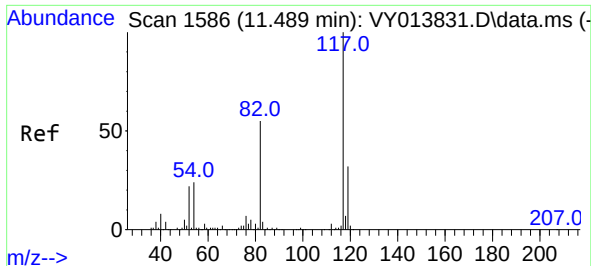
Tgt Ion: 98 Resp: 336819
Ion Ratio Lower Upper
98 100
100 62.7 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 46.707 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

Tgt Ion: 95 Resp: 104620
Ion Ratio Lower Upper
95 100
174 93.8 0.0 176.0
176 89.6 0.0 170.2

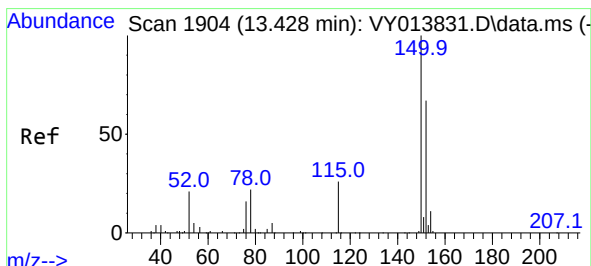
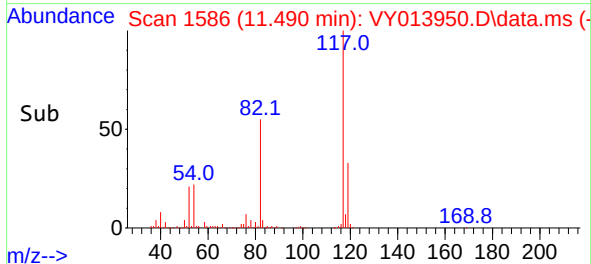
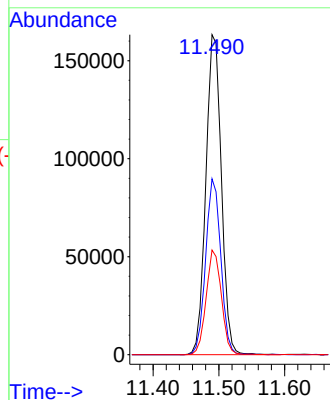
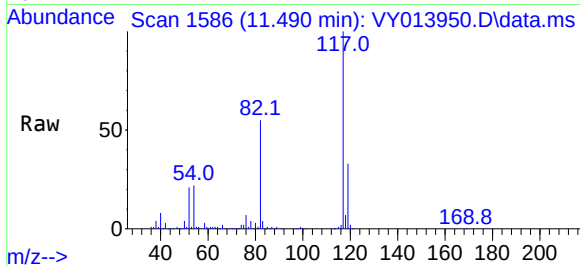




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

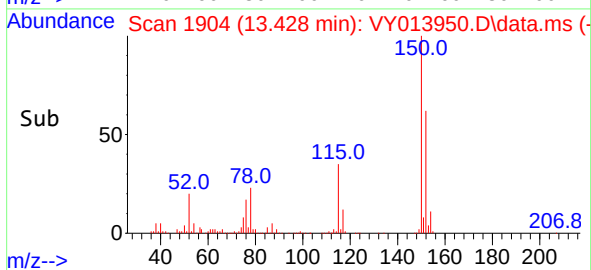
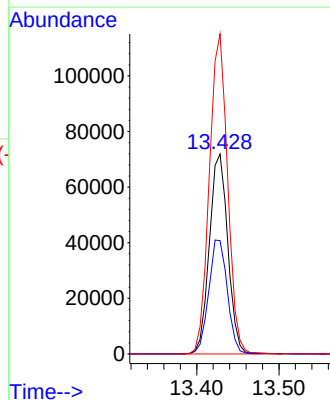
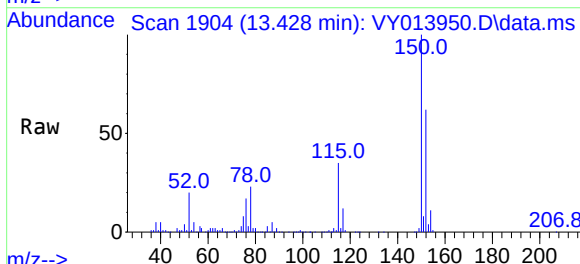
Instrument :
MSVOA_Y
ClientSampleId :
RBR044-VNJ224

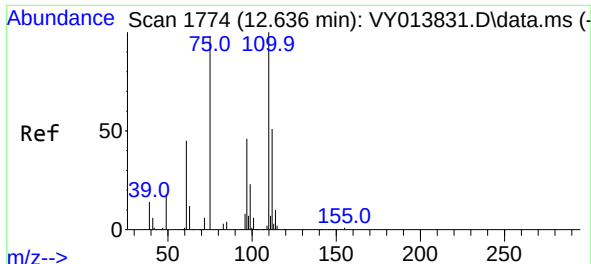
Tgt Ion:117 Resp: 268262
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.4
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

Tgt Ion:152 Resp: 112331
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 158.6 0.0 353.4

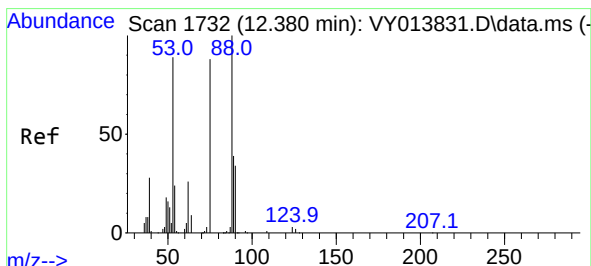
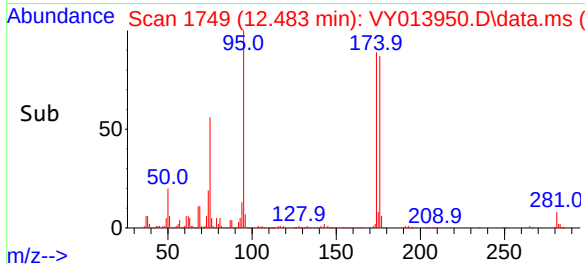
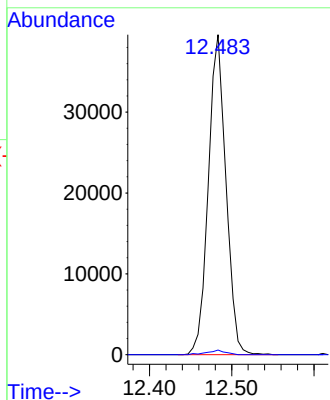
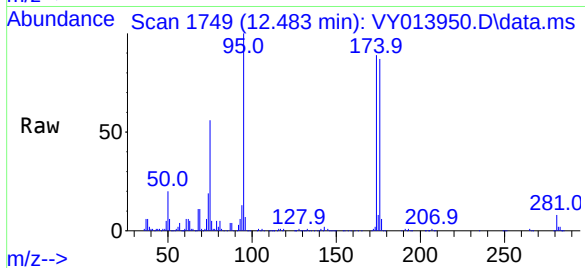




#76
1,2,3-Trichloropropane
Concen: 44.450 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

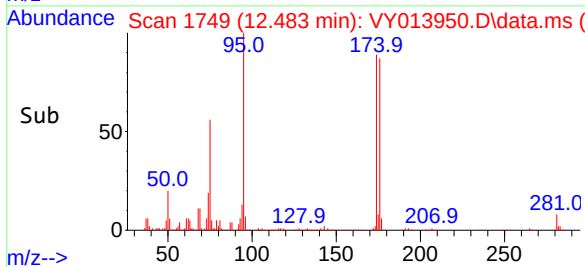
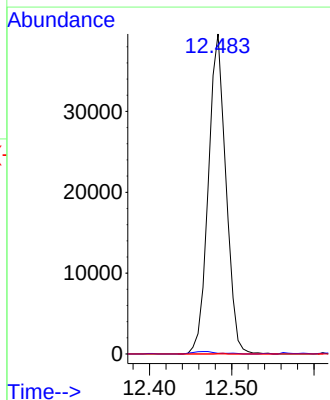
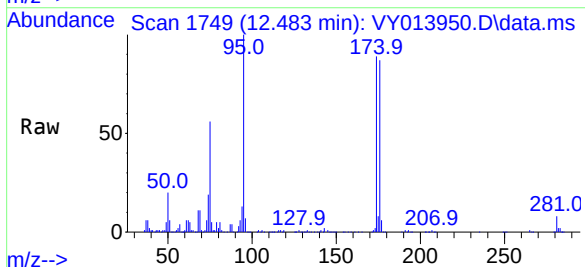
Instrument :
MSVOA_Y
ClientSampleId :
RBR044-VNJ224

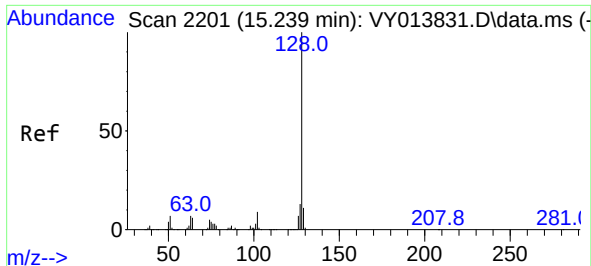
Tgt Ion: 75 Resp: 58876
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.488 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013950.D
Acq: 31 May 2023 20:53

Tgt Ion: 75 Resp: 58876
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.1 36.4 54.6#





#95

Naphthalene

Concen: 4.610 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013950.D

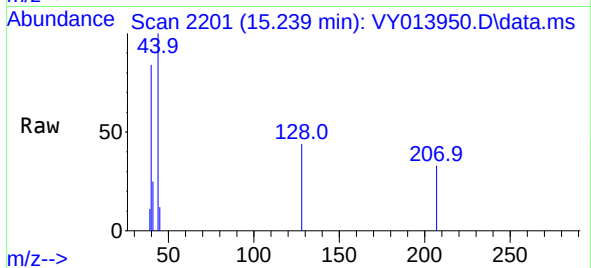
Acq: 31 May 2023 20:53

Instrument :

MSVOA_Y

ClientSampleId :

RBR044-VNJ224



Tgt Ion:128 Resp: 324

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 9.0 13.4#

