

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013883.D
 Acq On : 25 May 2023 19:07
 Operator : KP/MD
 Sample : 02920-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-400027

Quant Time: May 26 04:35:26 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	26414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	39013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	17083	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	15140	49.544	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.722	113	13846	54.956	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.920%
50) Toluene-d8	10.179	98	47487	49.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.483	95	16195	50.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.760%

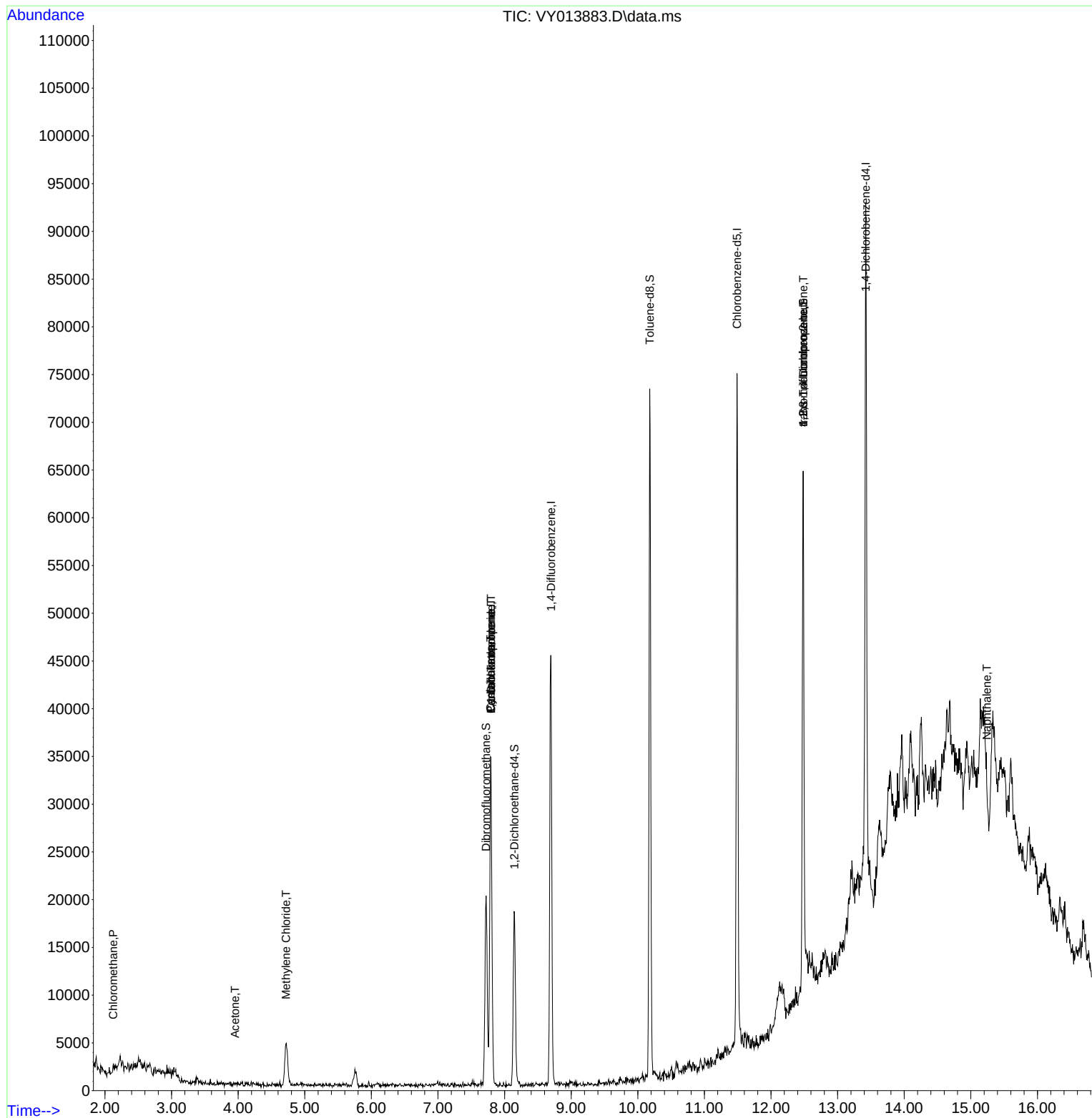
Target Compounds					Qvalue	
3) Chloromethane	2.125	50	314	1.065	ug/l #	43
16) Acetone	3.954	43	162	1.786	ug/l #	46
20) Methylene Chloride	4.716	84	3069	7.378	ug/l	88
31) Cyclohexane	7.789	56	587	1.250	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	1978	5.154	ug/l #	49
38) Carbon Tetrachloride	7.795	117	2686	6.155	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	7949	39.463	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7949	85.661	ug/l #	11
95) Naphthalene	15.239	128	232	4.838	ug/l #	1

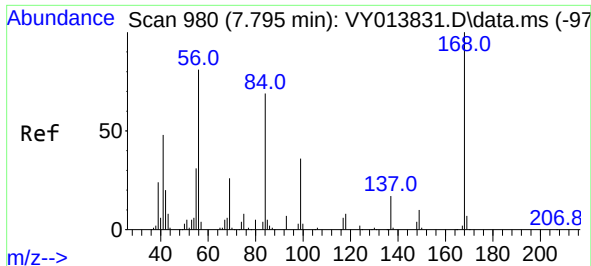
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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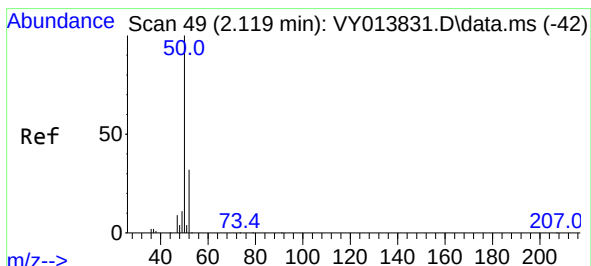
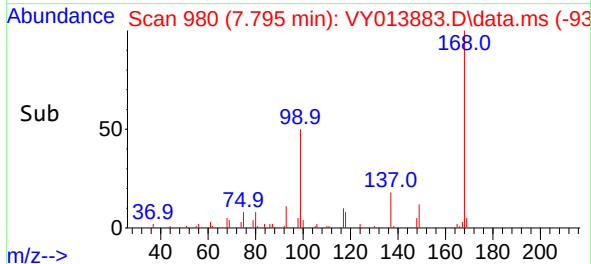
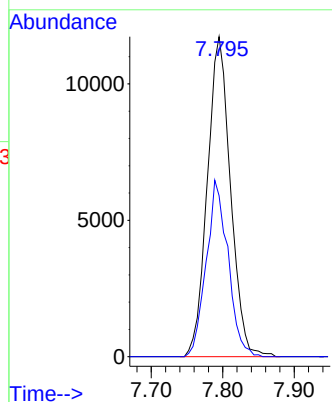
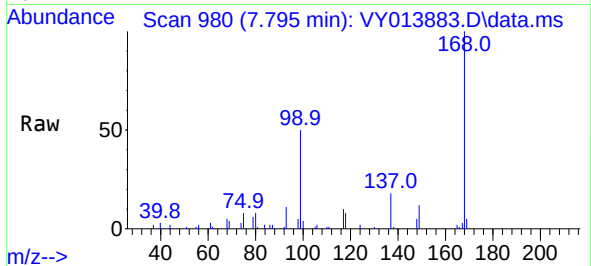




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

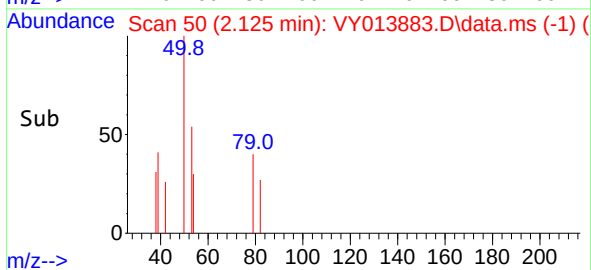
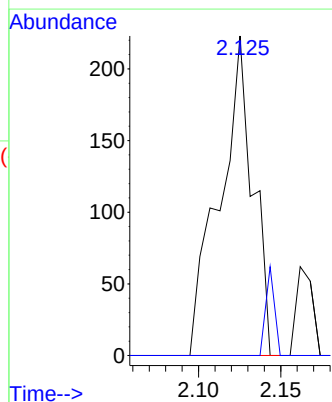
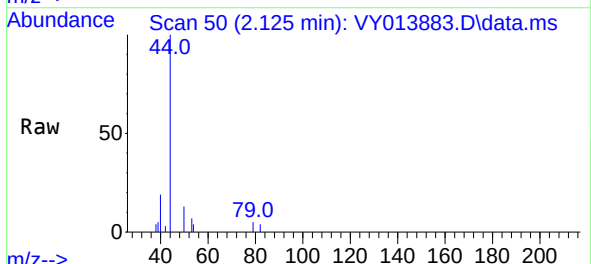
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027

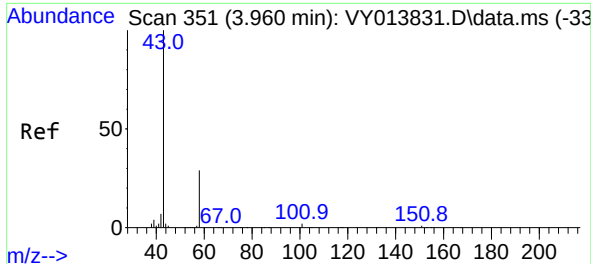
Tgt Ion:168 Resp: 26414
Ion Ratio Lower Upper
168 100
99 50.3 43.4 65.2



#3
Chloromethane
Concen: 1.065 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

Tgt Ion: 50 Resp: 314
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#16

Acetone

Concen: 1.786 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY013883.D

Acq: 25 May 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

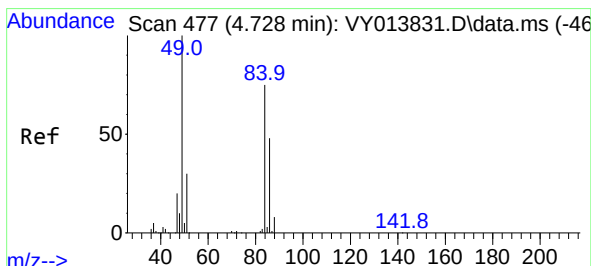
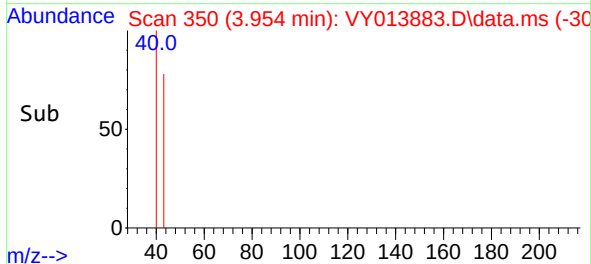
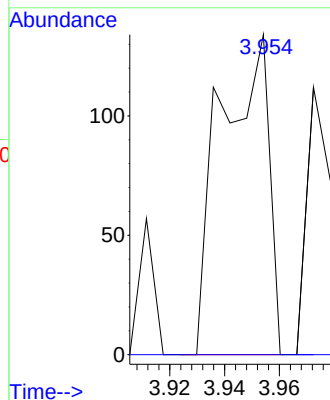
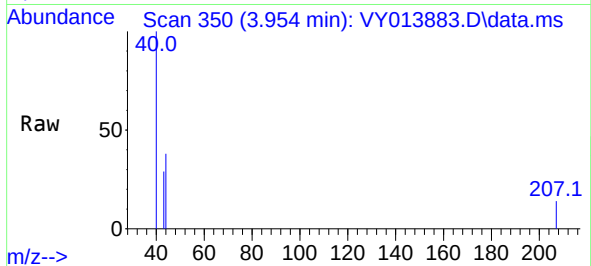
RBR-400027

Tgt Ion: 43 Resp: 162

Ion Ratio Lower Upper

43 100

58 0.0 23.3 34.9#



#20

Methylene Chloride

Concen: 7.378 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY013883.D

Acq: 25 May 2023 19:07

Tgt Ion: 84 Resp: 3069

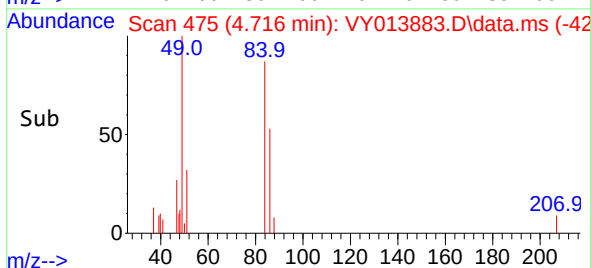
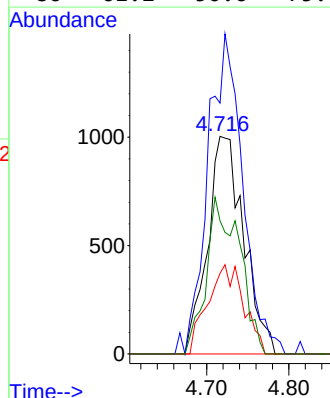
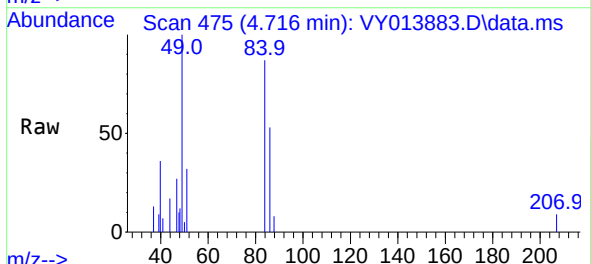
Ion Ratio Lower Upper

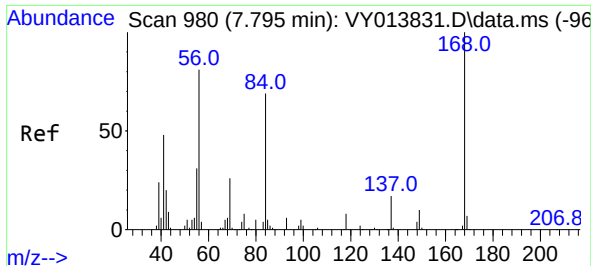
84 100

49 109.7 106.2 159.2

51 37.1 31.4 47.0

86 61.2 50.6 75.8

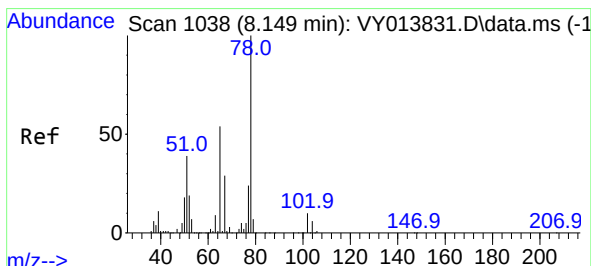
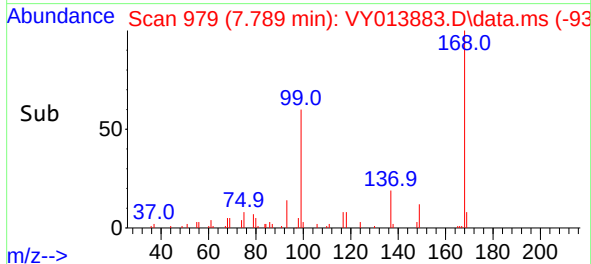
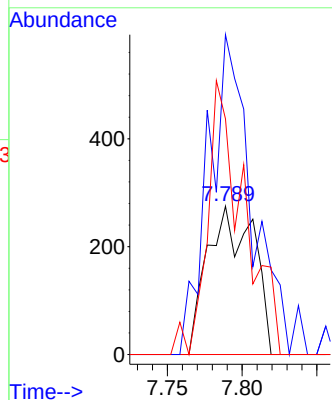
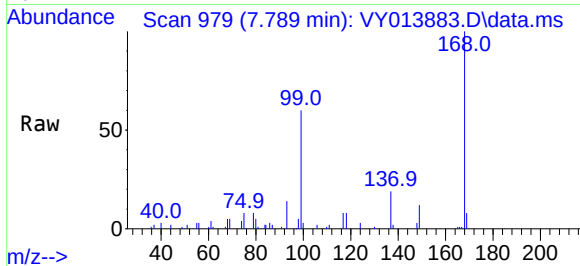




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

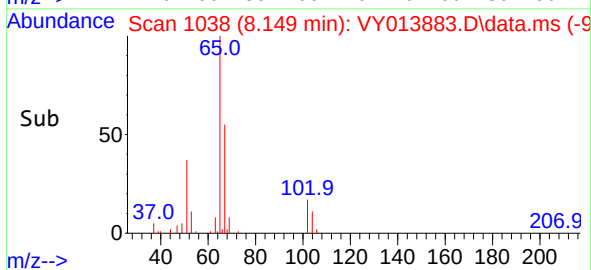
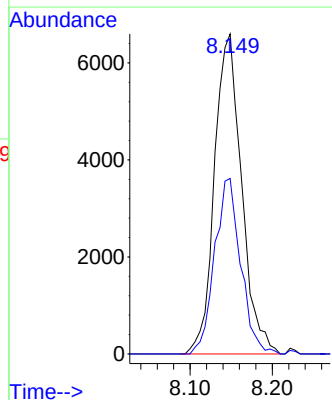
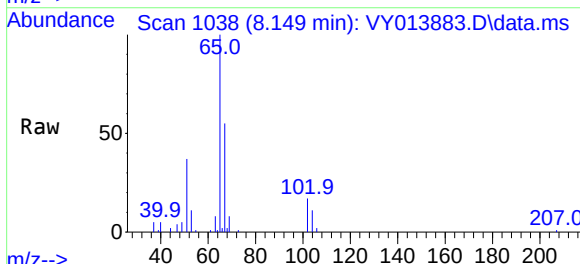
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027

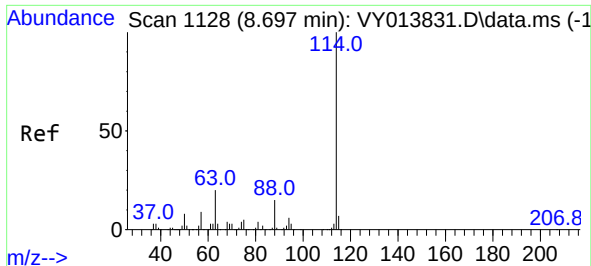
Tgt Ion: 56 Resp: 587
Ion Ratio Lower Upper
56 100
69 215.6 25.8 38.8#
84 158.9 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 49.544 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

Tgt Ion: 65 Resp: 15140
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4

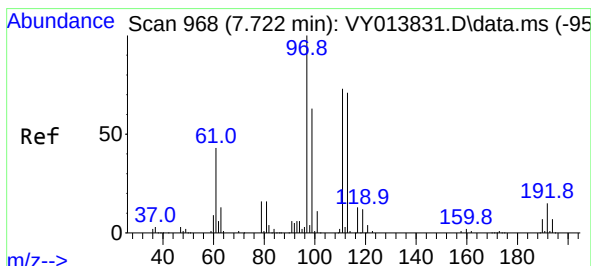
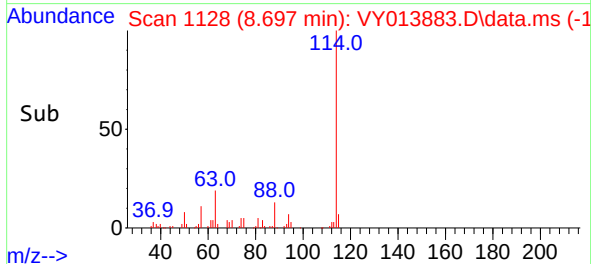
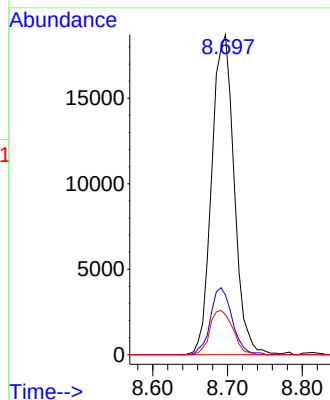
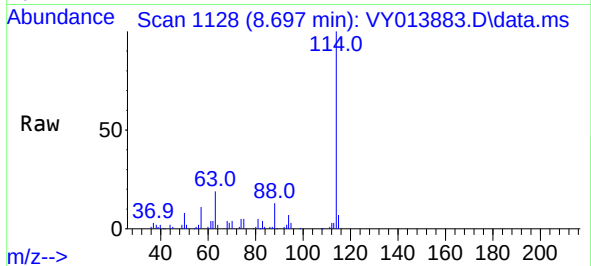




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

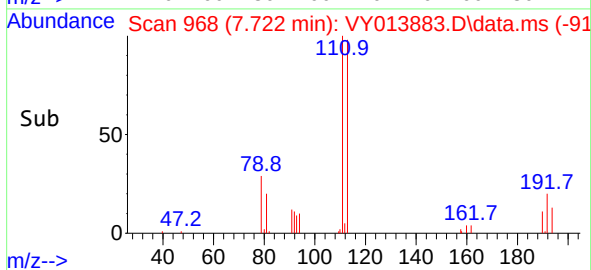
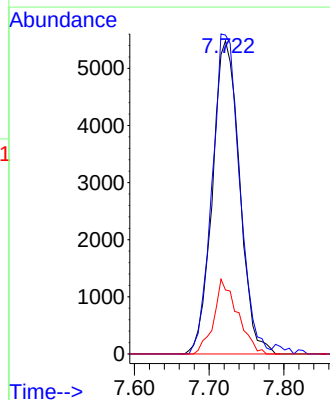
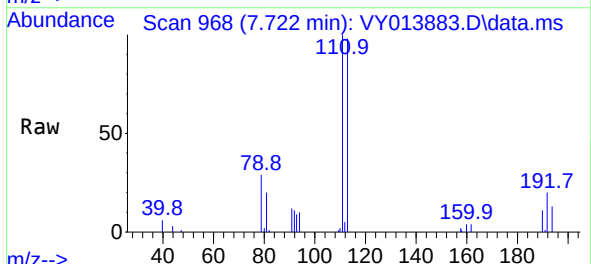
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027

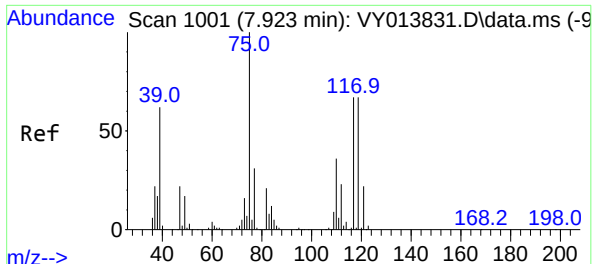
Tgt Ion:	114	Resp:	39013
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	40.2
88	12.5	0.0	30.0



#35
Dibromofluoromethane
Concen: 54.956 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

Tgt Ion:	113	Resp:	13846
Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.4	120.6
192	20.9	16.6	25.0





#36

1,1-Dichloropropene

Concen: 5.154 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY013883.D

Acq: 25 May 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

RBR-400027

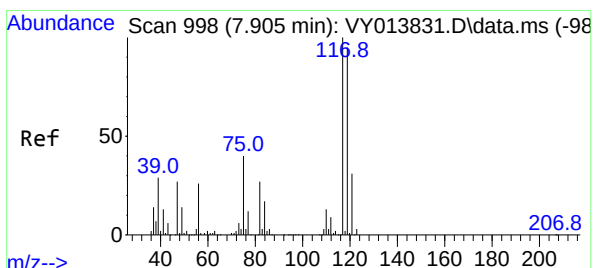
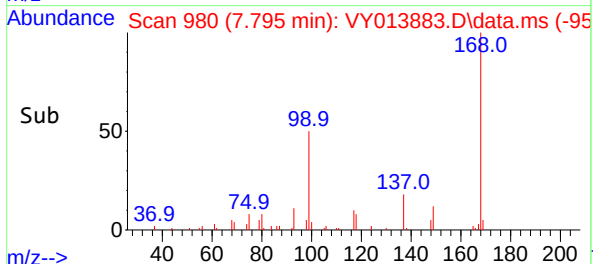
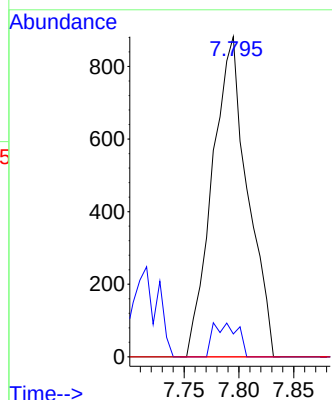
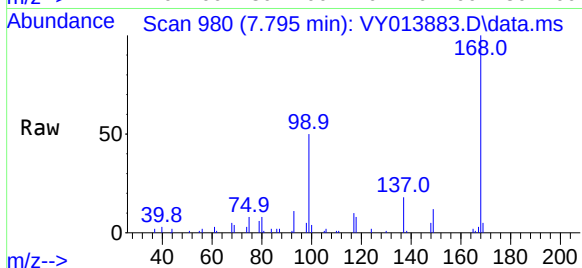
Tgt Ion: 75 Resp: 1978

Ion Ratio Lower Upper

75 100

110 7.4 17.5 52.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.155 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY013883.D

Acq: 25 May 2023 19:07

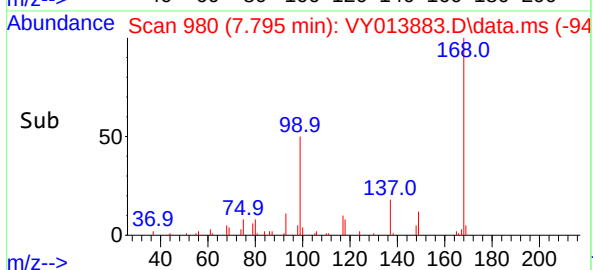
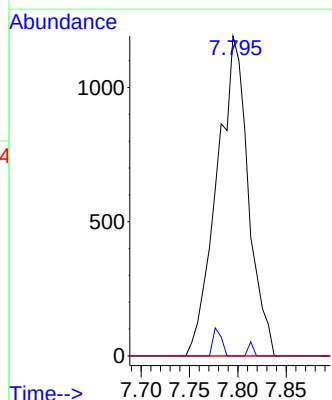
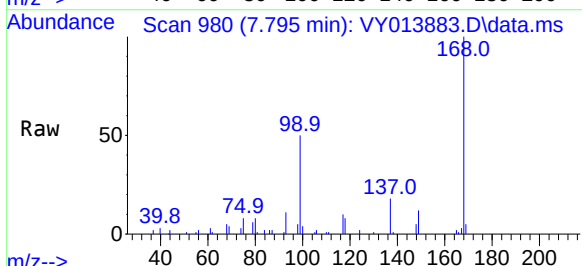
Tgt Ion: 117 Resp: 2686

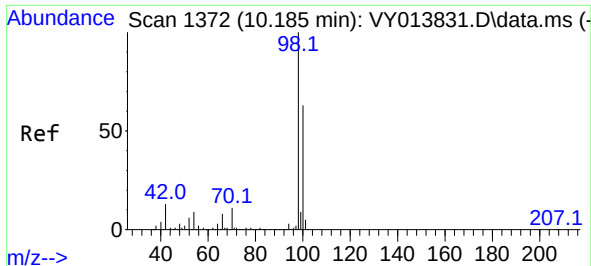
Ion Ratio Lower Upper

117 100

119 0.0 75.6 113.4#

121 0.0 24.8 37.2#

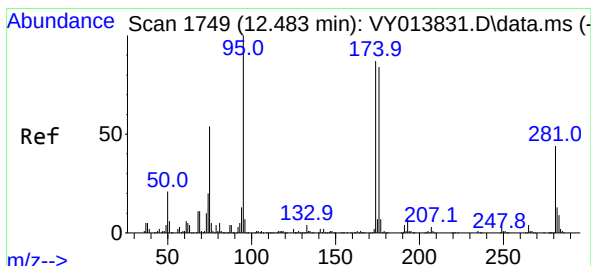
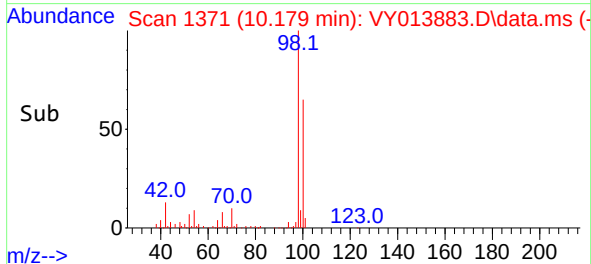
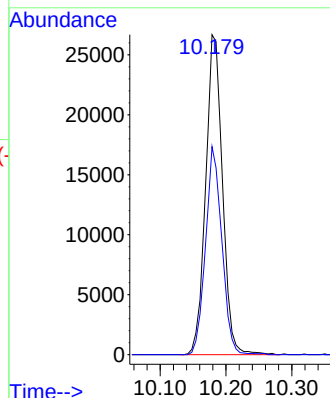
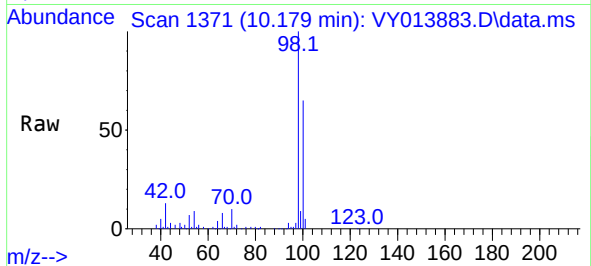




#50
Toluene-d8
Concen: 49.591 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

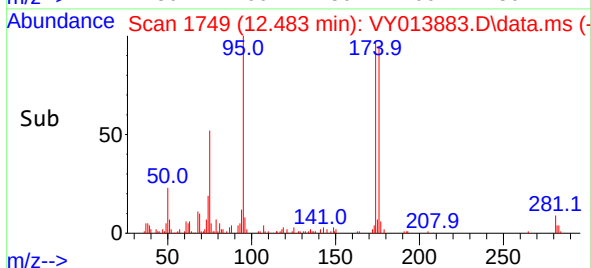
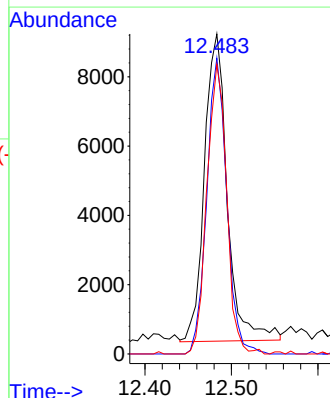
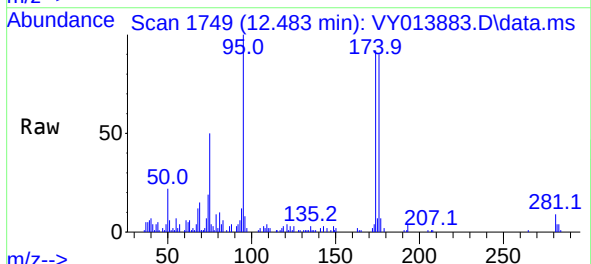
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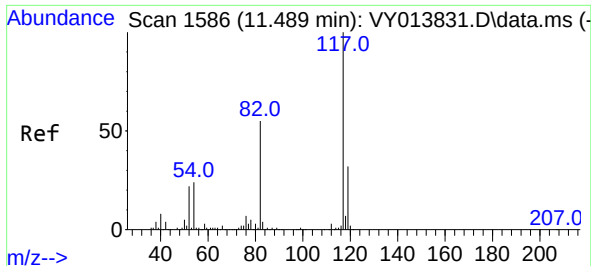
Tgt Ion: 98 Resp: 47487
Ion Ratio Lower Upper
98 100
100 63.0 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 50.880 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

Tgt Ion: 95 Resp: 16195
Ion Ratio Lower Upper
95 100
174 84.9 0.0 176.0
176 81.6 0.0 170.2

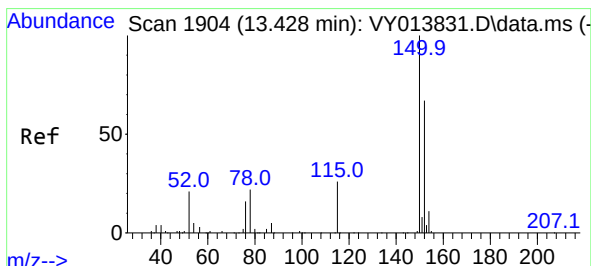
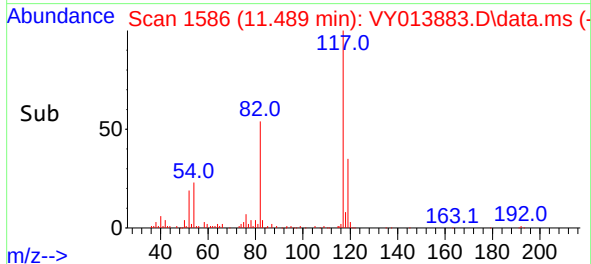
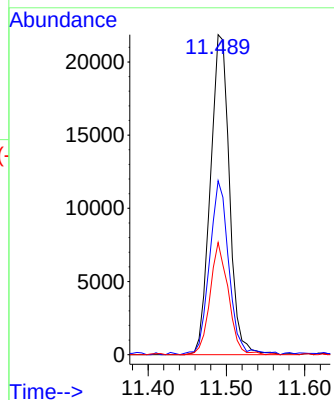
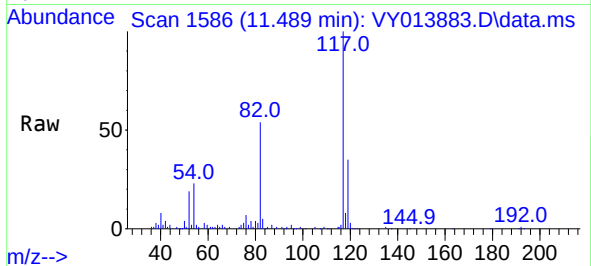




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

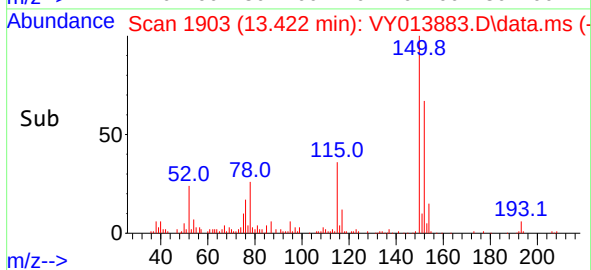
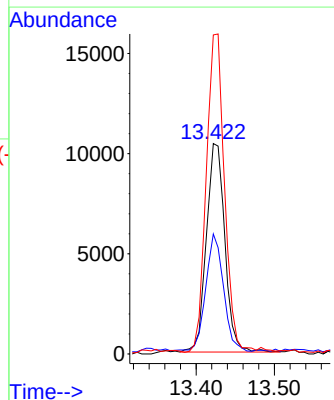
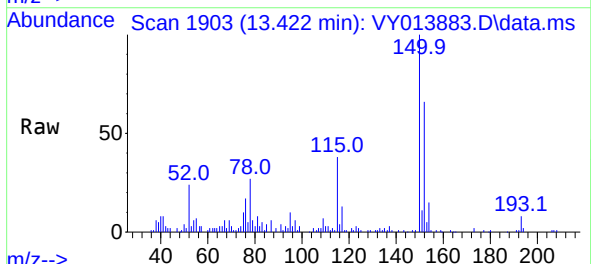
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027

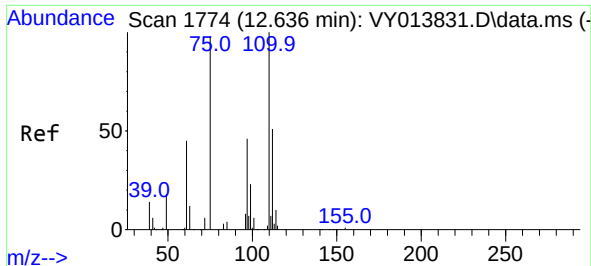
Tgt Ion:	117	Resp:	36949
Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.2	66.4
119	35.0	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

Tgt Ion:	152	Resp:	17083
Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.8	86.5
150	150.0	0.0	353.4

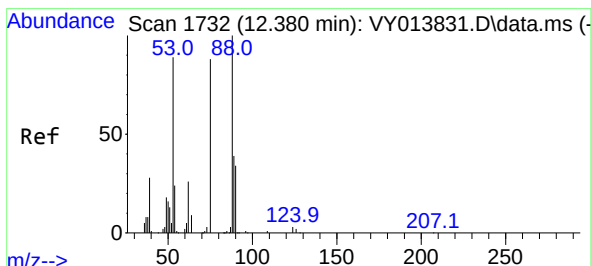
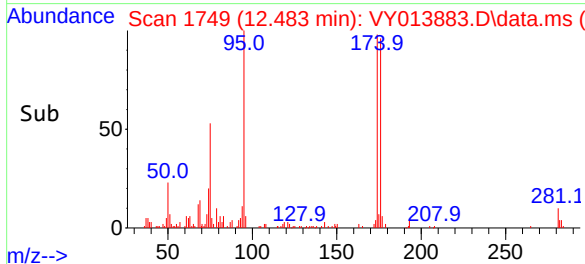
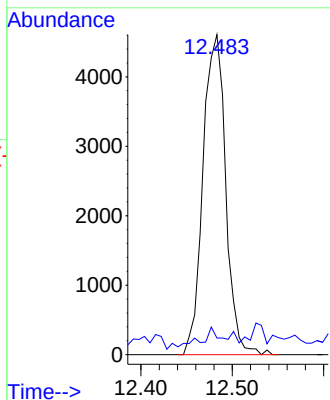
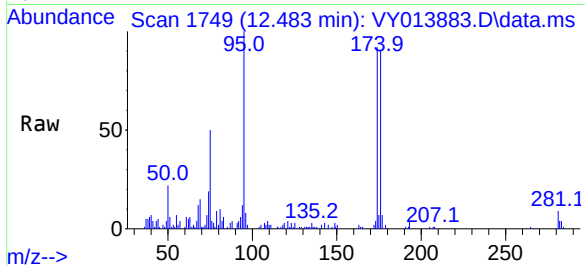




#76
1,2,3-Trichloropropane
Concen: 39.463 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

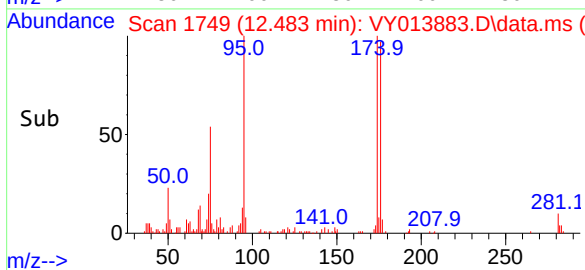
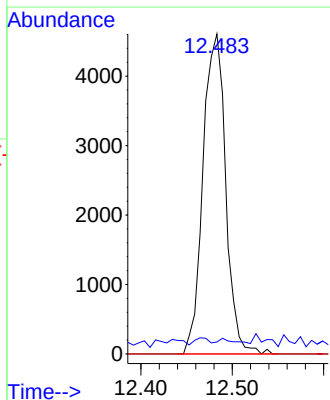
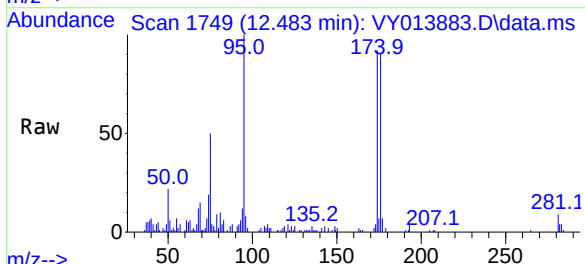
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027

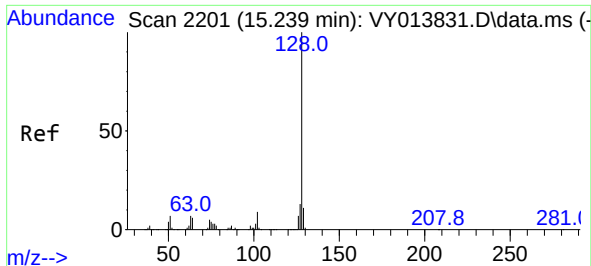
Tgt Ion: 75 Resp: 7949
Ion Ratio Lower Upper
75 100
77 4.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.661 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

Tgt Ion: 75 Resp: 7949
Ion Ratio Lower Upper
75 100
53 1.3 79.7 119.5#
89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 4.838 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013883.D
Acq: 25 May 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027

Tgt Ion:128 Resp: 232
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 86.6 9.0 13.4#

