

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009966.D
 Acq On : 11 Aug 2022 16:09
 Operator : KP/MD
 Sample : N4122-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200027

Quant Time: Aug 12 02:49:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:37:28 2022
 Response via : Initial Calibration

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

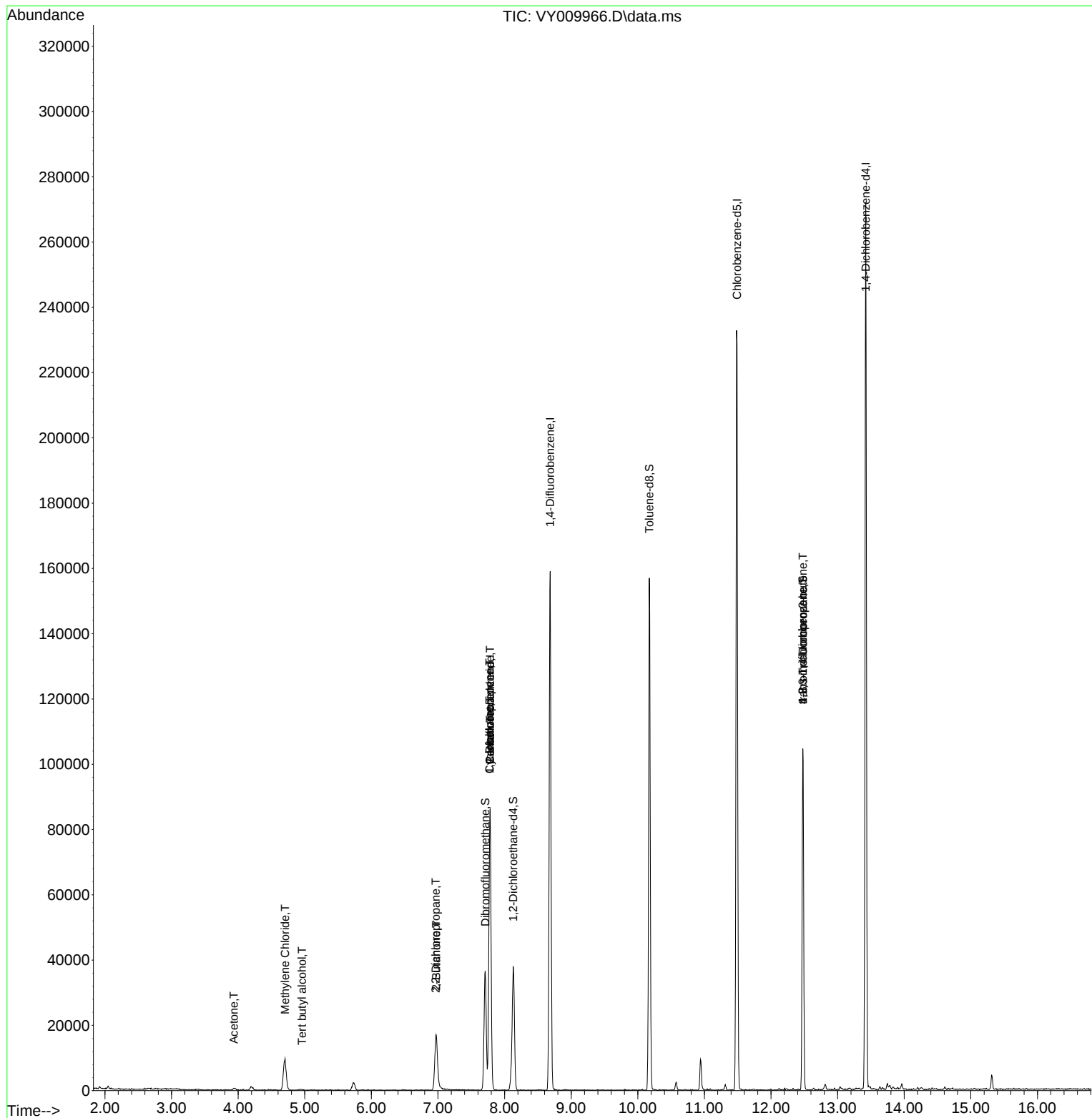
Internal Standards						
1) Pentafluorobenzene	7.783	168	65606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	132615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	126958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	25869	50.789	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.580%			
35) Dibromofluoromethane	7.710	113	25854	33.884	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 67.760%			
50) Toluene-d8	10.173	98	98292	43.268	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.540%			
62) 4-Bromofluorobenzene	12.477	95	31366	29.240	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 58.480%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	97	Below Cal	#	3
11) Tert butyl alcohol	4.960	59	240	3.745	ug/l #	78
16) Acetone	3.936	43	1056	6.398	ug/l	93
18) Methyl Acetate	4.460	43	146	Below Cal	#	52
20) Methylene Chloride	4.704	84	6896	4.725	ug/l #	91
25) 2-Butanone	6.972	43	981	3.473	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	1209	1.066	ug/l #	52
31) Cyclohexane	7.777	56	1437	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	5773	4.346	ug/l #	48
38) Carbon Tetrachloride	7.783	117	6685	5.255	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	15996	22.919	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	15996	44.612	ug/l #	13

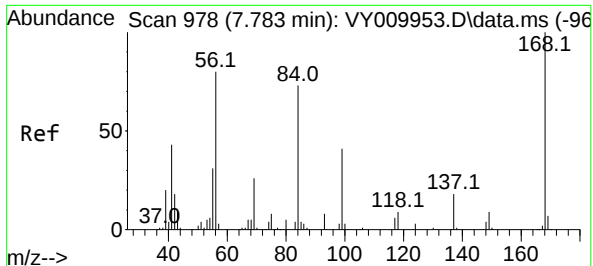
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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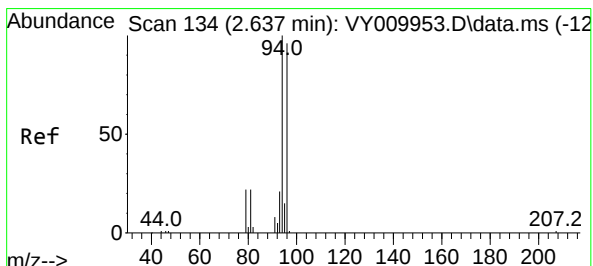
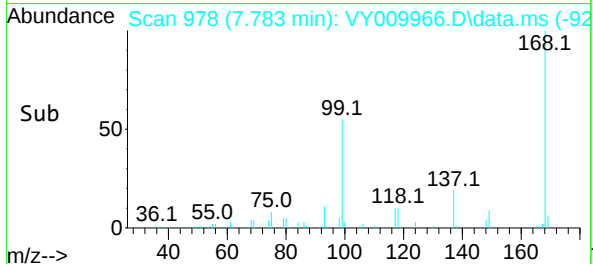
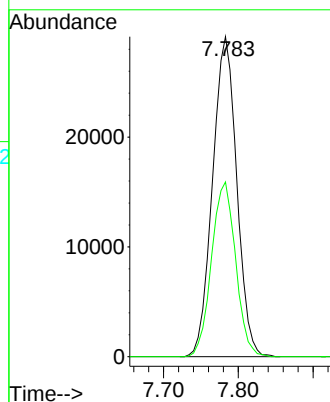
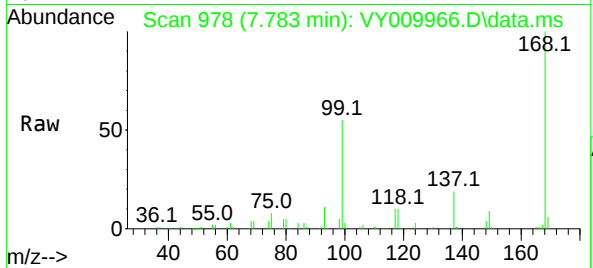




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

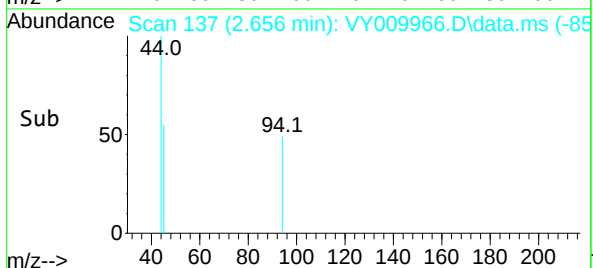
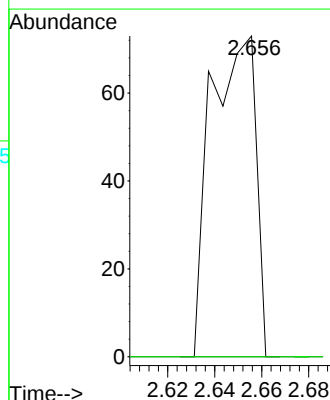
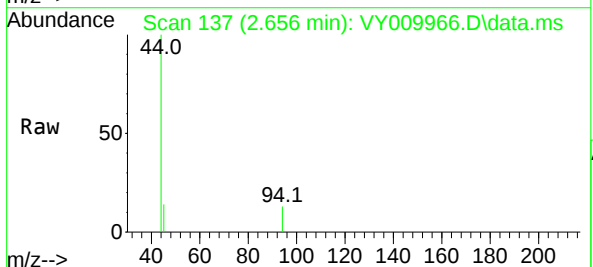
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200027

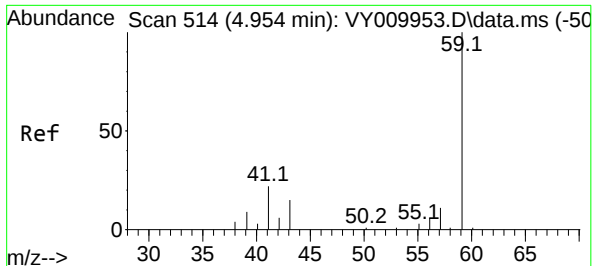
Tgt Ion:168 Resp: 65606
Ion Ratio Lower Upper
168 100
99 54.6 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Tgt Ion: 94 Resp: 97
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#11

Tert butyl alcohol

Concen: 3.745 ug/l

RT: 4.960 min Scan# 514

Delta R.T. 0.006 min

Lab File: VY009966.D

Acq: 11 Aug 2022 16:09

Instrument :

MSVOA_Y

ClientSampleId :

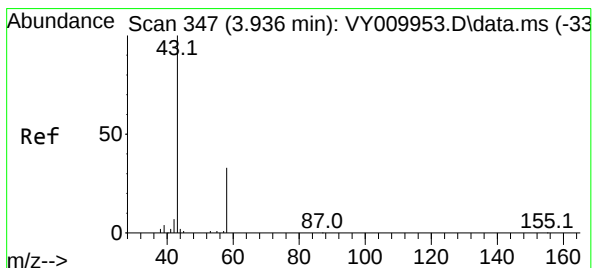
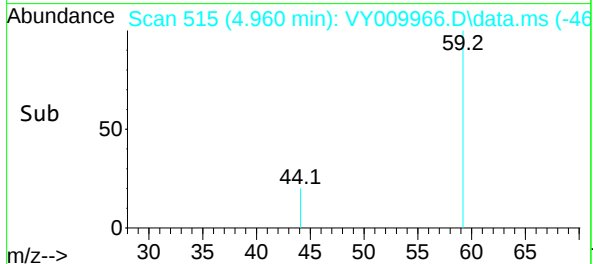
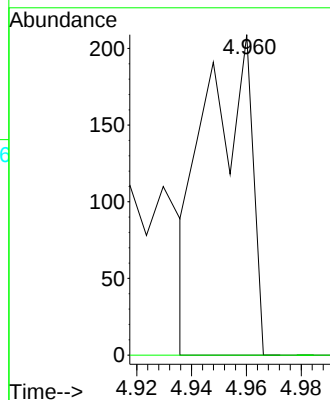
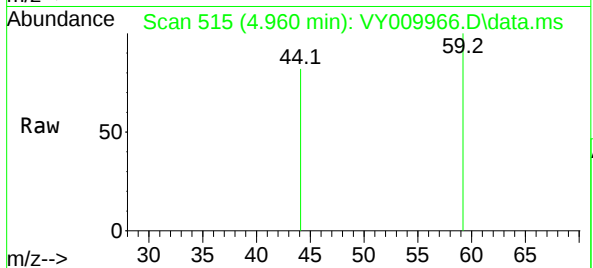
RBR-200027

Tgt Ion: 59 Resp: 240

Ion Ratio Lower Upper

59 100

57 0.0 6.3 9.5#



#16

Acetone

Concen: 6.398 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009966.D

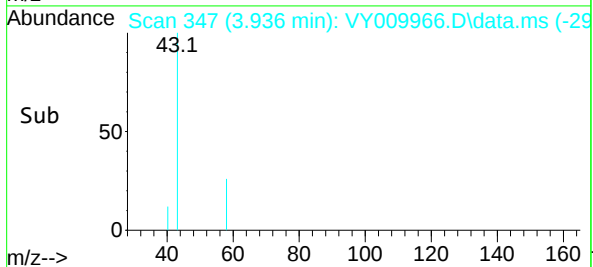
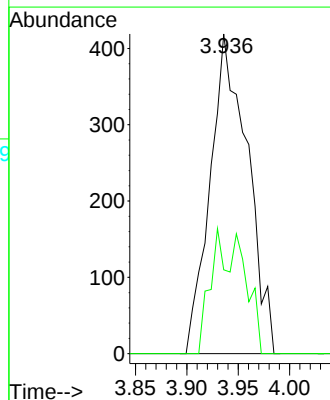
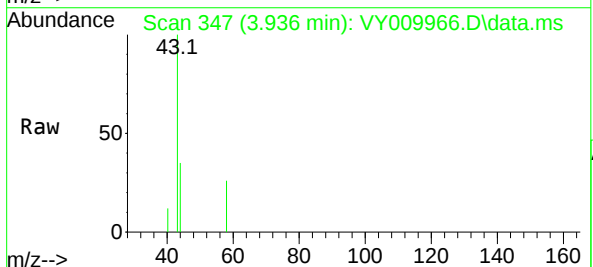
Acq: 11 Aug 2022 16:09

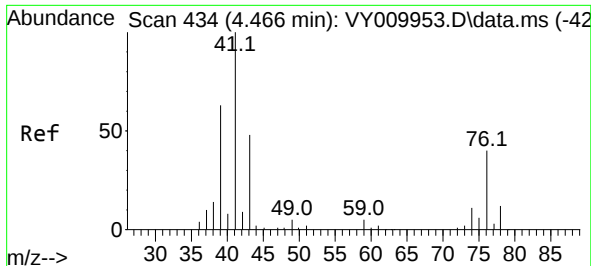
Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

58 26.3 24.0 36.0

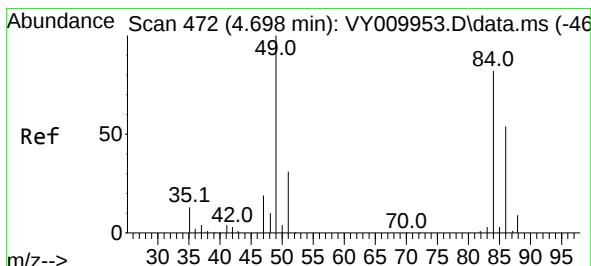
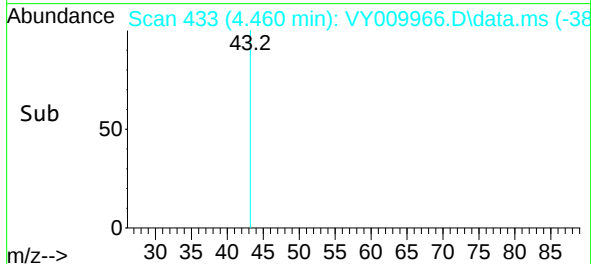
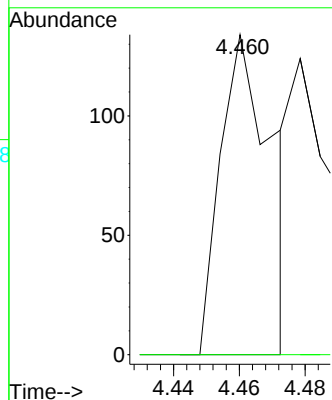
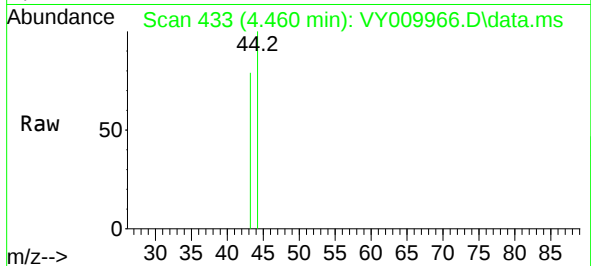




#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

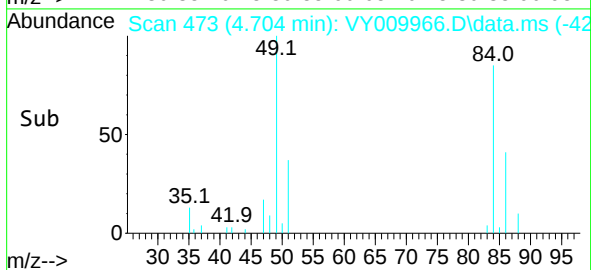
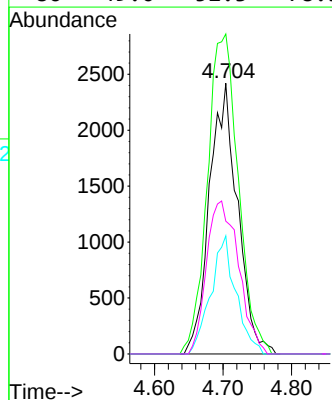
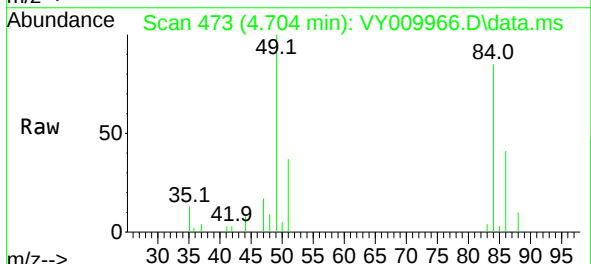
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200027

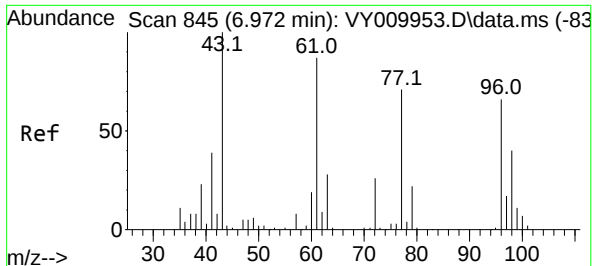
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 4.725 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Tgt Ion: 84 Resp: 6896
Ion Ratio Lower Upper
84 100
49 118.2 98.2 147.4
51 43.6 33.4 50.0
86 49.0 52.3 78.5#





#25

2-Butanone

Concen: 3.473 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009966.D

Acq: 11 Aug 2022 16:09

Instrument :

MSVOA_Y

ClientSampleId :

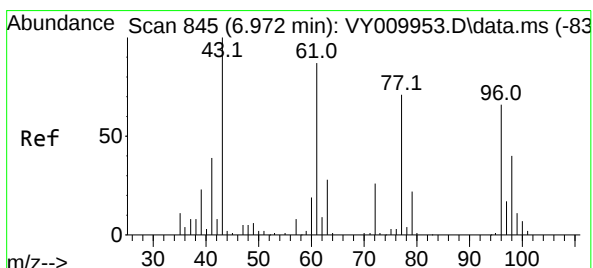
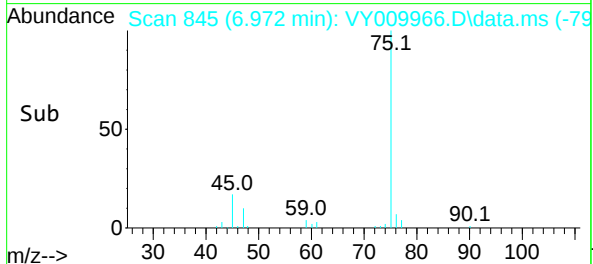
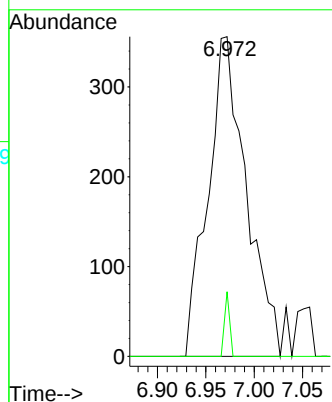
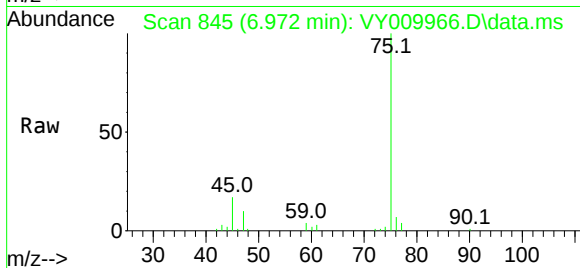
RBR-200027

Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

72 20.2 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 1.066 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009966.D

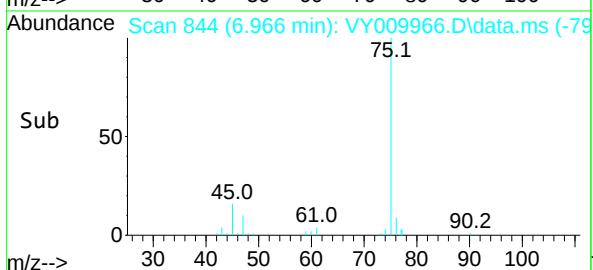
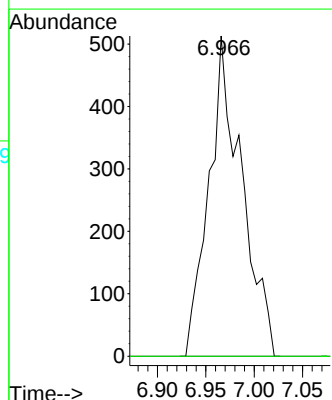
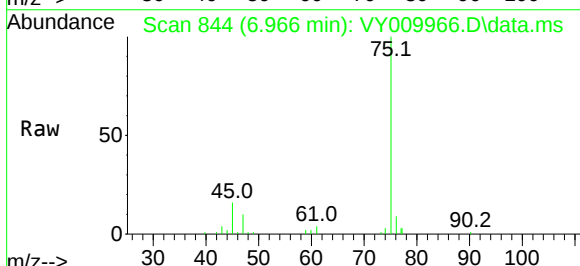
Acq: 11 Aug 2022 16:09

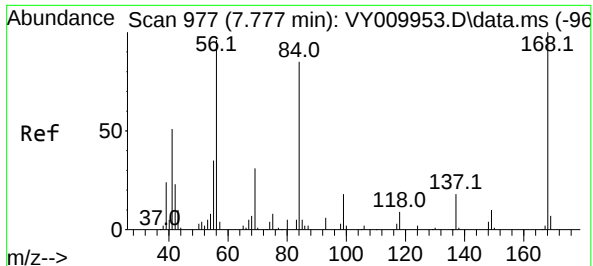
Tgt Ion: 77 Resp: 1209

Ion Ratio Lower Upper

77 100

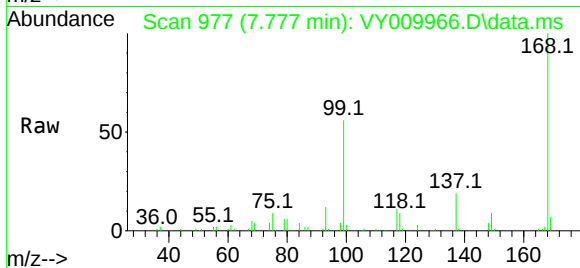
97 0.0 11.7 35.0#



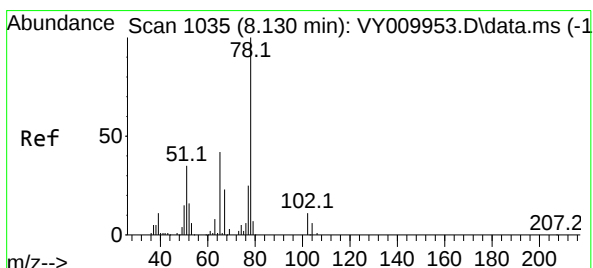
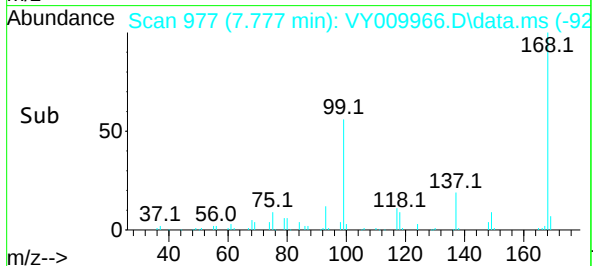
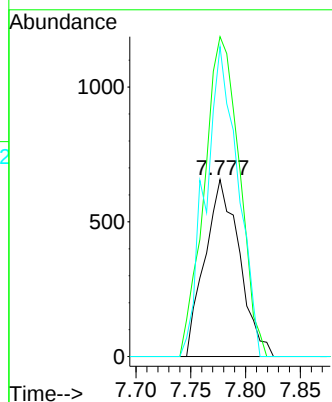


#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200027

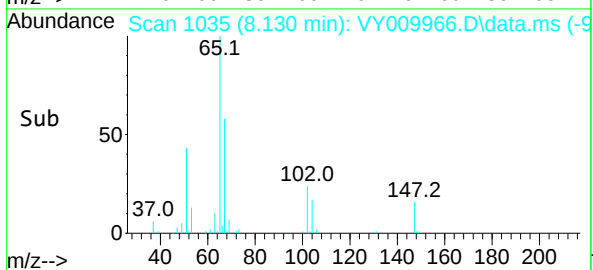
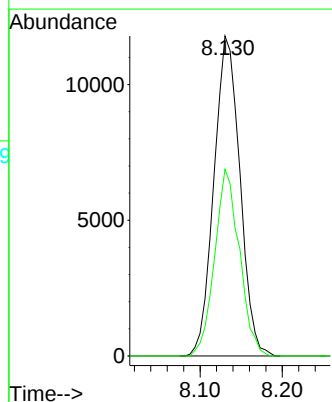
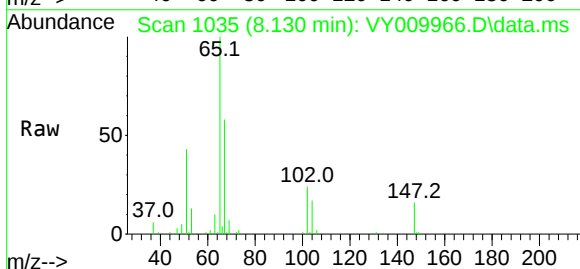


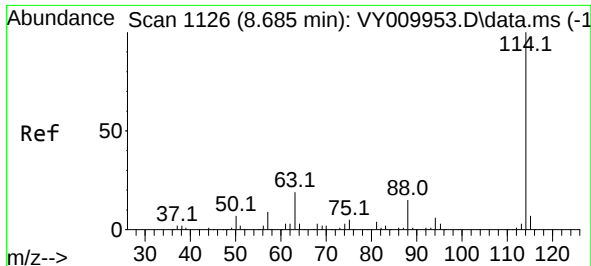
Tgt Ion: 56 Resp: 1437
Ion Ratio Lower Upper
56 100
69 180.7 26.0 39.0#
84 175.0 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 50.789 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Tgt Ion: 65 Resp: 25869
Ion Ratio Lower Upper
65 100
67 55.6 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009966.D

Acq: 11 Aug 2022 16:09

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200027

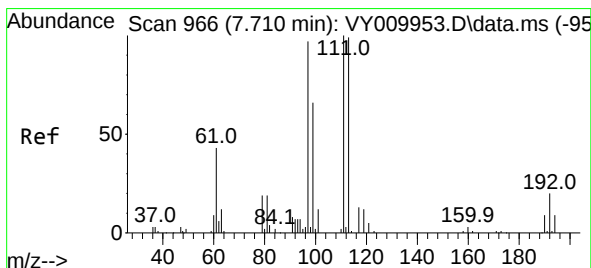
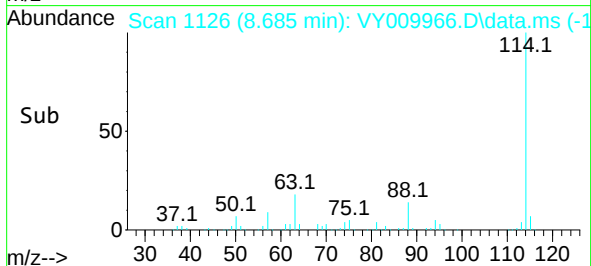
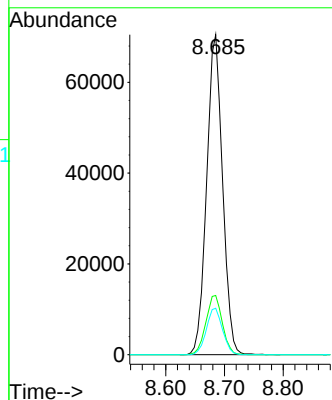
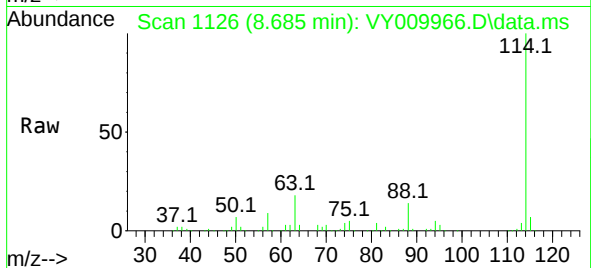
Tgt Ion:114 Resp: 132615

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.0

88 14.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 33.884 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009966.D

Acq: 11 Aug 2022 16:09

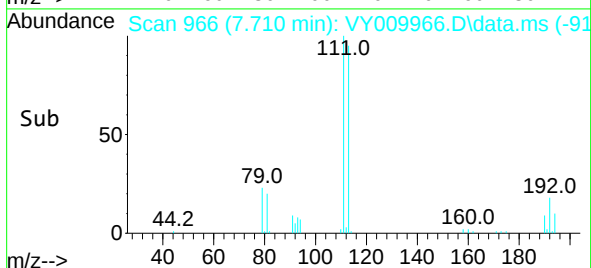
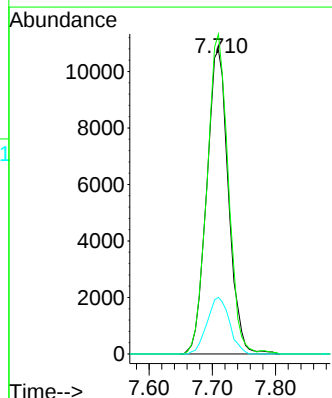
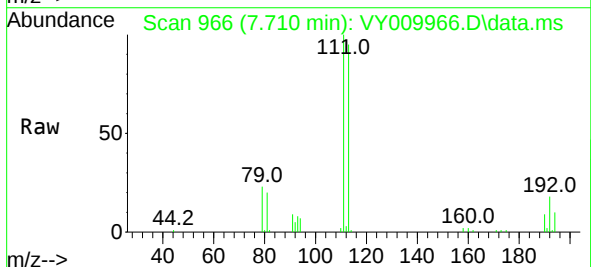
Tgt Ion:113 Resp: 25854

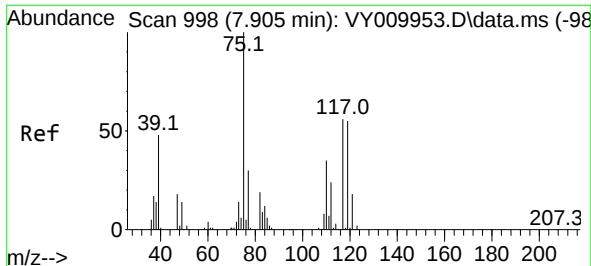
Ion Ratio Lower Upper

113 100

111 102.4 80.6 120.8

192 19.0 16.2 24.4

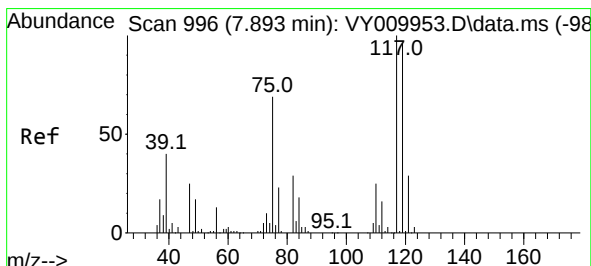
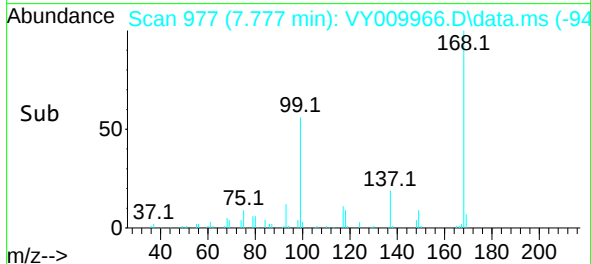
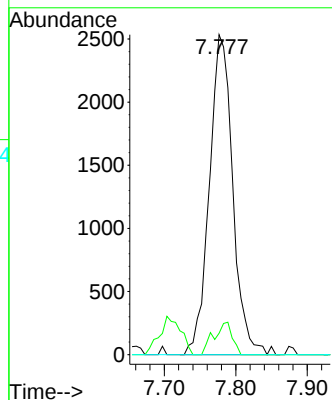
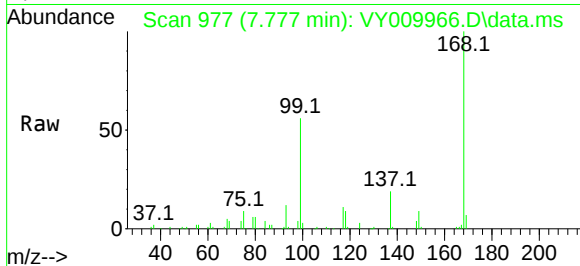




#36
1,1-Dichloropropene
Concen: 4.346 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

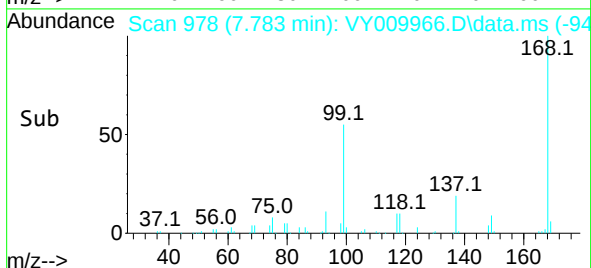
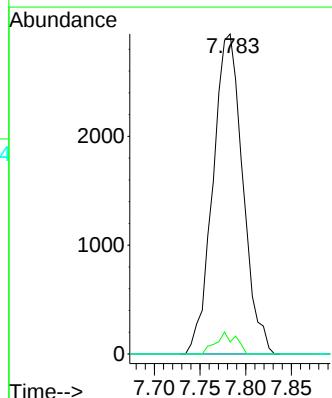
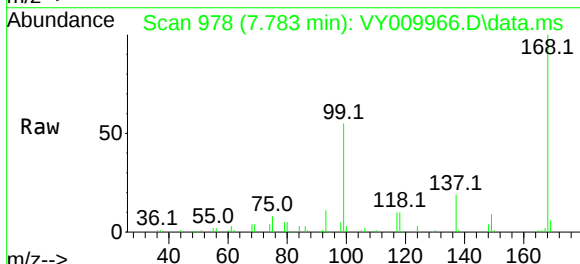
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200027

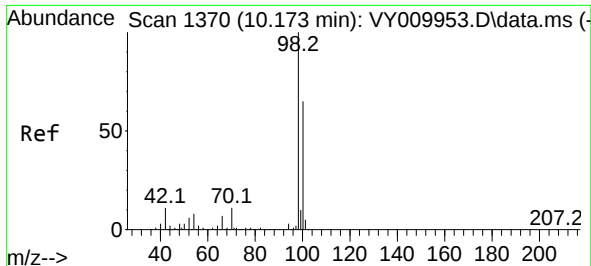
Tgt Ion: 75 Resp: 5773
Ion Ratio Lower Upper
75 100
110 8.0 18.6 56.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.255 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Tgt Ion: 117 Resp: 6685
Ion Ratio Lower Upper
117 100
119 3.7 75.9 113.9#
121 0.0 24.9 37.3#

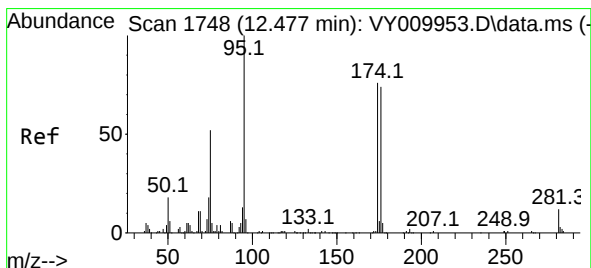
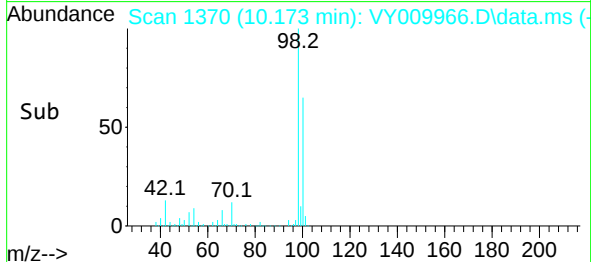
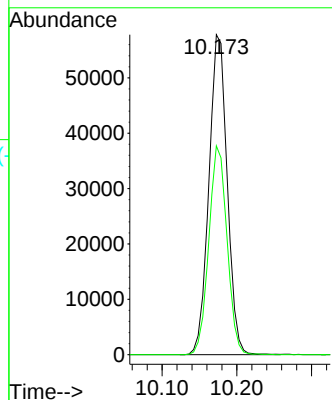
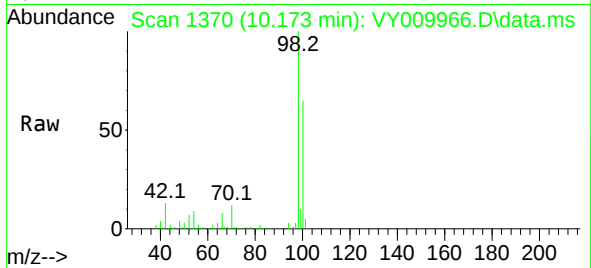




#50
Toluene-d8
Concen: 43.268 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

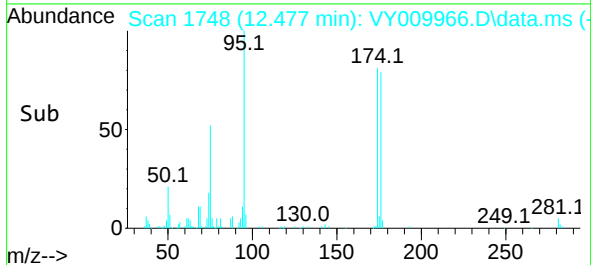
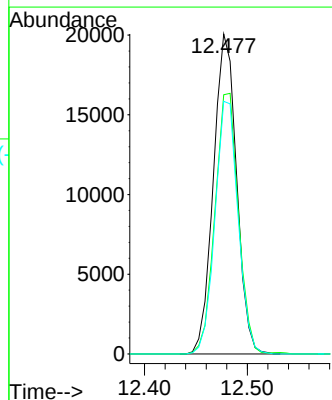
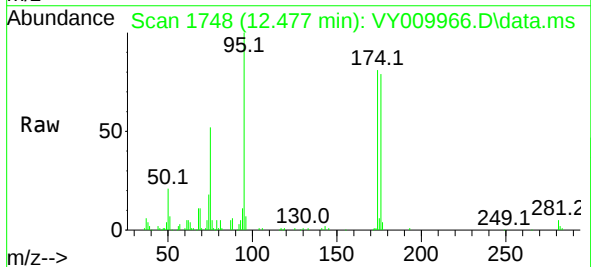
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200027

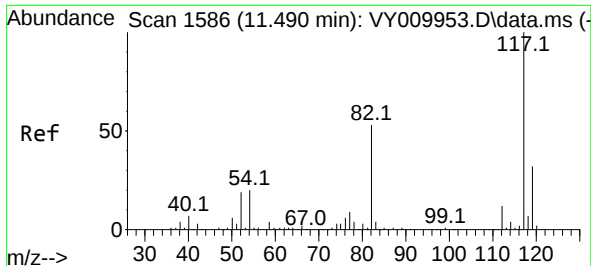
Tgt Ion: 98 Resp: 98292
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 29.240 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Tgt Ion: 95 Resp: 31366
Ion Ratio Lower Upper
95 100
174 82.1 0.0 173.8
176 78.5 0.0 167.0

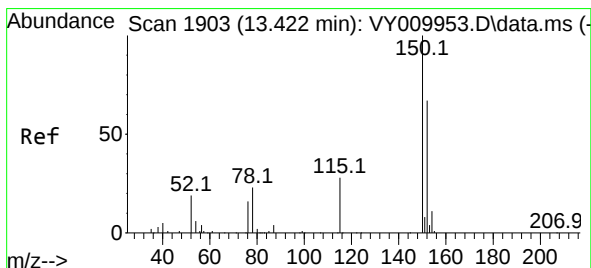
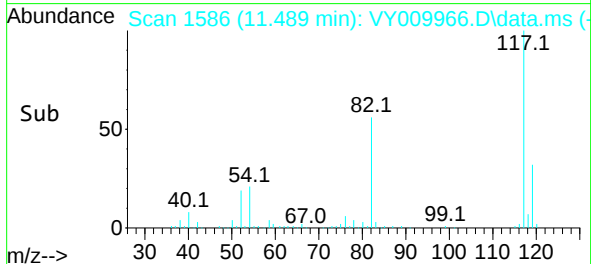
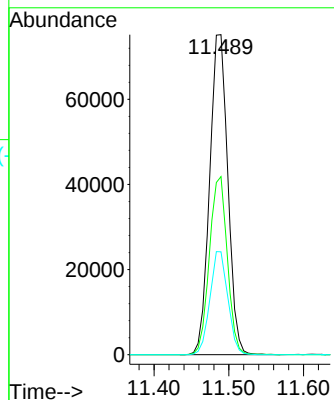
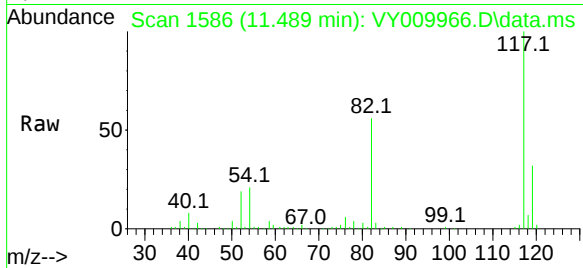




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

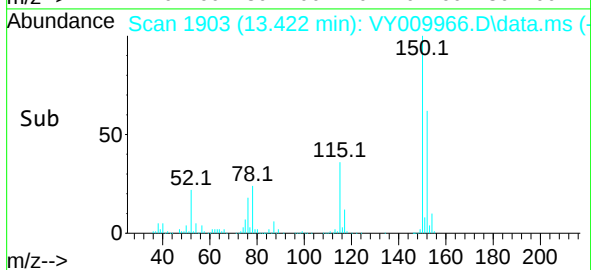
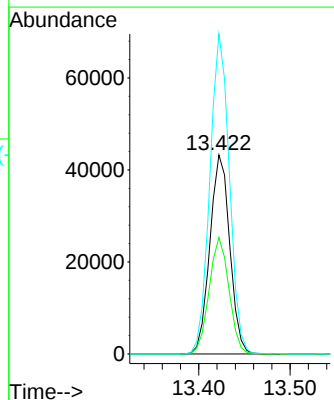
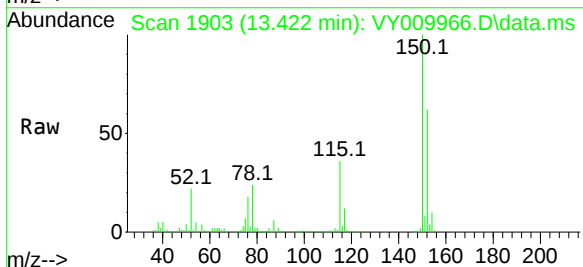
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200027

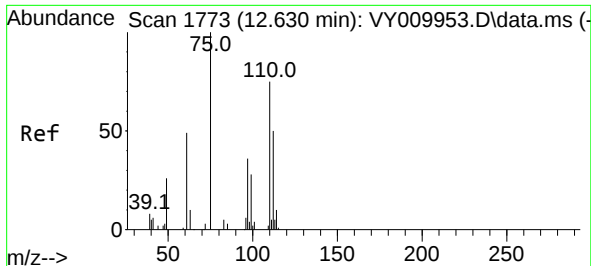
Tgt Ion:117 Resp: 126958
Ion Ratio Lower Upper
117 100
82 55.6 41.8 62.6
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Tgt Ion:152 Resp: 65377
Ion Ratio Lower Upper
152 100
115 58.3 28.6 85.9
150 157.6 0.0 349.8

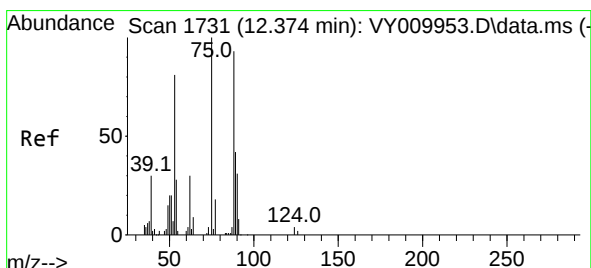
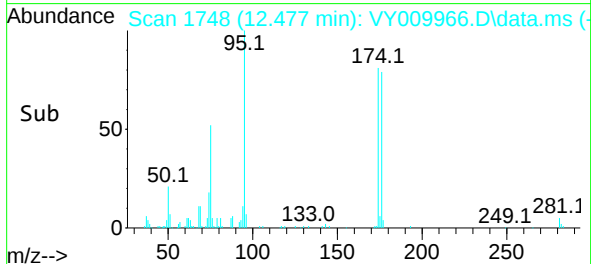
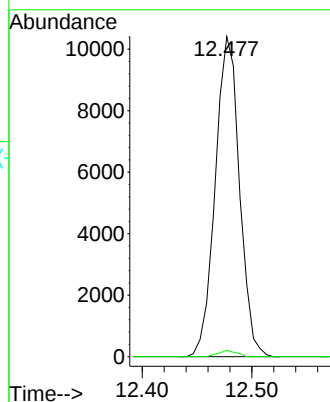
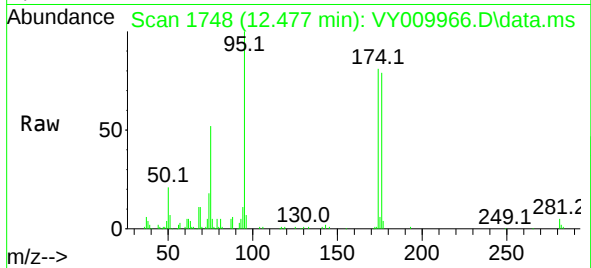




#76
1,2,3-Trichloropropane
Concen: 22.919 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200027

Tgt Ion: 75 Resp: 15996
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.612 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009966.D
Acq: 11 Aug 2022 16:09

Tgt Ion: 75 Resp: 15996
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 38.1 57.1#

