

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009277.D
 Acq On : 22 Jun 2022 17:19
 Operator : KP/MD
 Sample : N3430-02
 Misc : 4.36/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-14-16-20220621

Quant Time: Jun 23 01:57:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

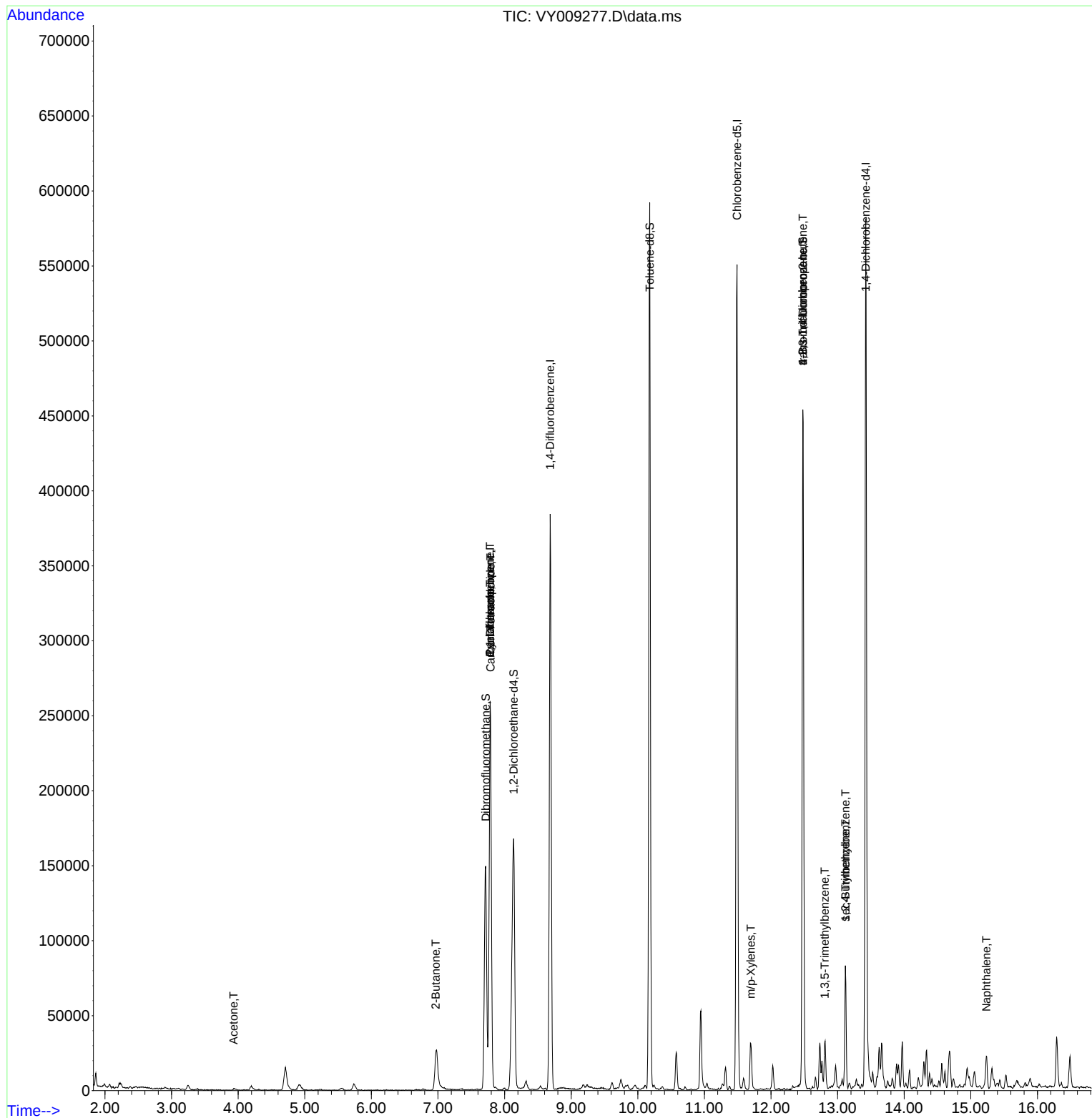
Internal Standards						
1) Pentafluorobenzene	7.783	168	215148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	337319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	312502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155261	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	108197	45.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.58%
35) Dibromofluoromethane	7.716	113	104895	48.02	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.04%
50) Toluene-d8	10.179	98	380771	45.37	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.74%
62) 4-Bromofluorobenzene	12.477	95	134797	45.71	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.42%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	4328	Below Cal	#	77
16) Acetone	3.930	43	1794	3.07 ug/l	#	86
18) Methyl Acetate	4.460	43	27	Below Cal	#	56
20) Methylene Chloride	4.710	84	10258	Below Cal	#	81
25) 2-Butanone	6.966	43	1018	1.08 ug/l		91
31) Cyclohexane	7.783	56	4122	1.00 ug/l	#	19
36) 1,1-Dichloropropene	7.783	75	13958	4.20 ug/l	#	52
38) Carbon Tetrachloride	7.789	117	19376	5.61 ug/l	#	16
68) m/p-Xylenes	11.697	106	10085	2.11 ug/l		91
76) 1,2,3-Trichloropropane	12.477	75	67268	36.95 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.806	105	12751	1.26 ug/l		94
81) trans-1,4-Dichloro-2-b...	12.477	75	67268	78.36 ug/l	#	7
84) 1,2,4-Trimethylbenzene	13.117	105	42434	4.28 ug/l		94
85) sec-Butylbenzene	13.117	105	42434	3.21 ug/l	#	56
95) Naphthalene	15.233	128	17371	2.75 ug/l		95

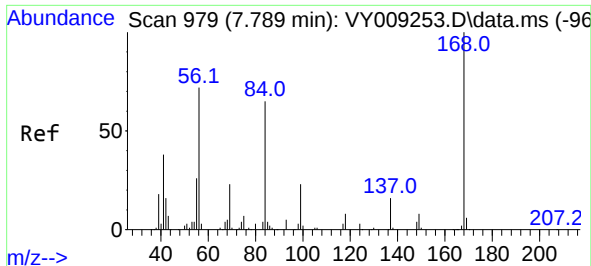
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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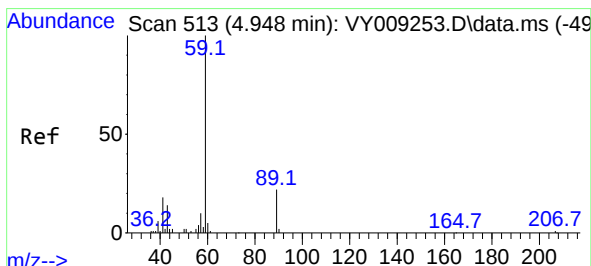
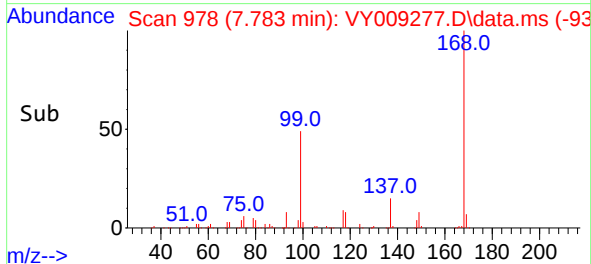
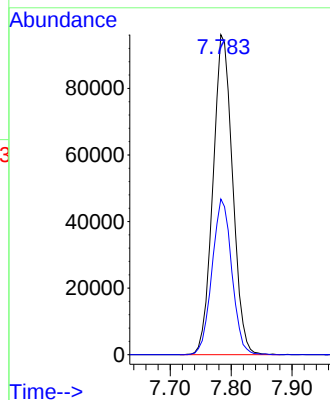
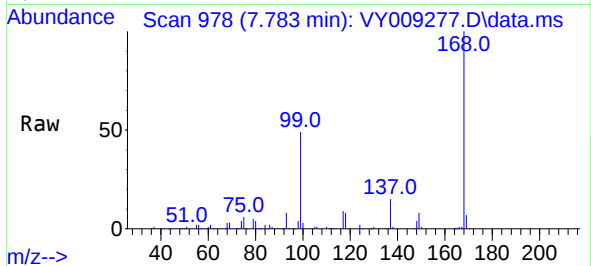




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

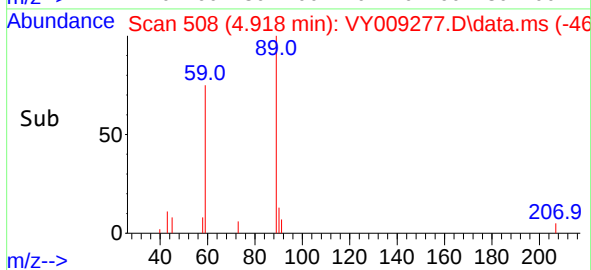
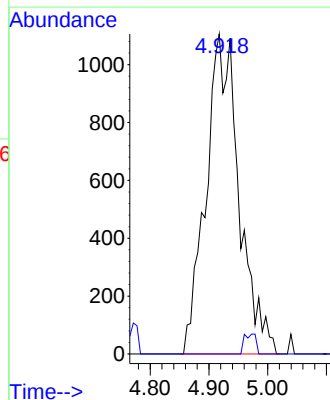
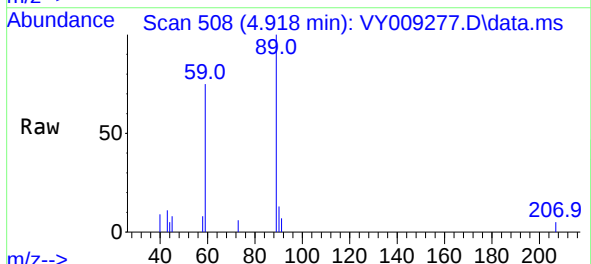
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621

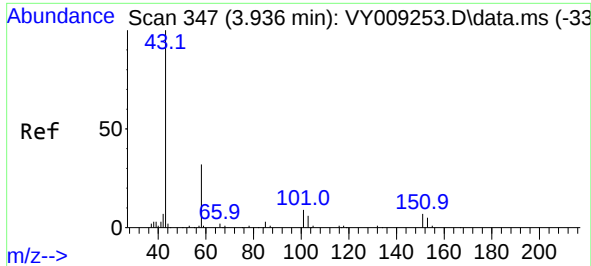
Tgt Ion:168 Resp: 215148
Ion Ratio Lower Upper
168 100
99 48.7 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 59 Resp: 4328
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 3.07 ug/l

RT: 3.930 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY009277.D

Acq: 22 Jun 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

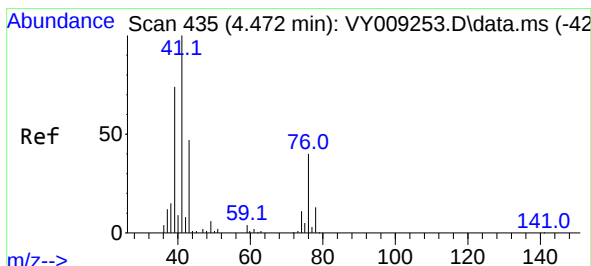
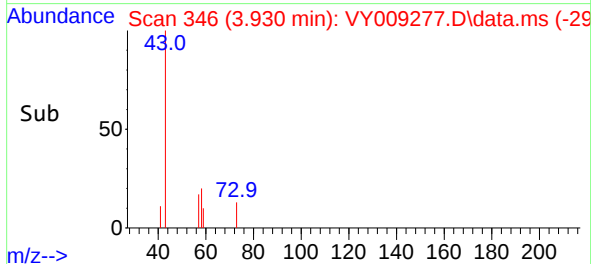
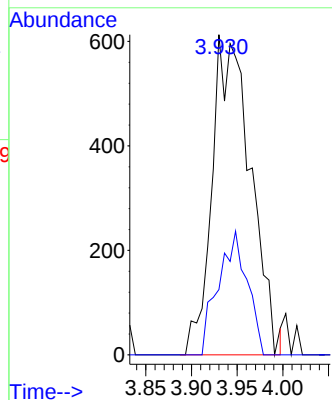
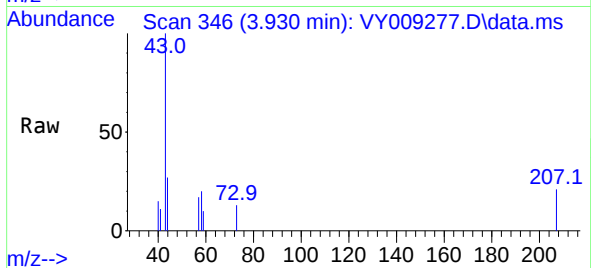
SB-4-14-16-20220621

Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

58 20.4 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 433

Delta R.T. -0.012 min

Lab File: VY009277.D

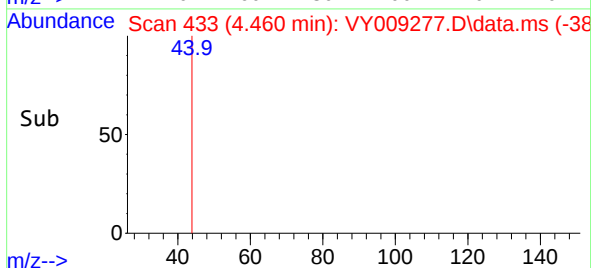
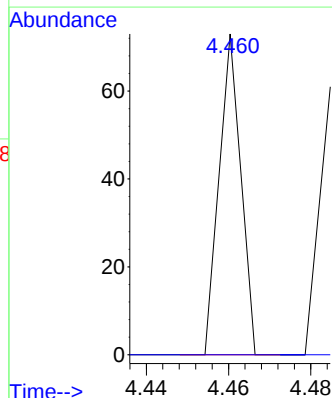
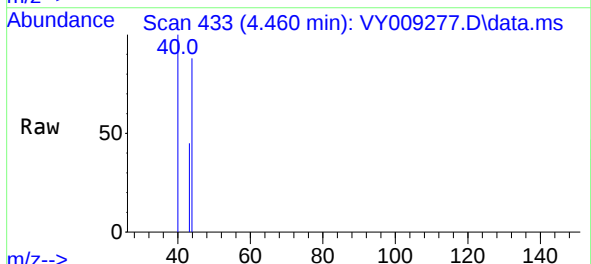
Acq: 22 Jun 2022 17:19

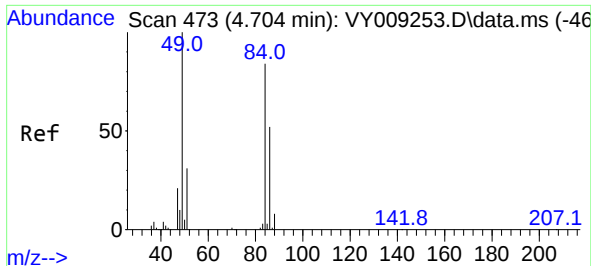
Tgt Ion: 43 Resp: 27

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



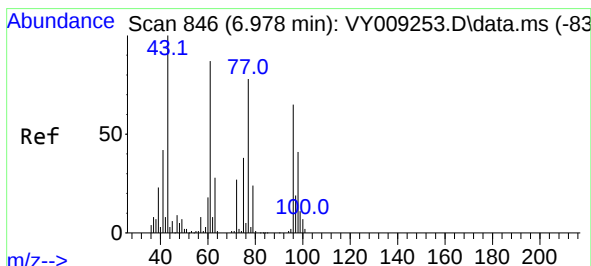
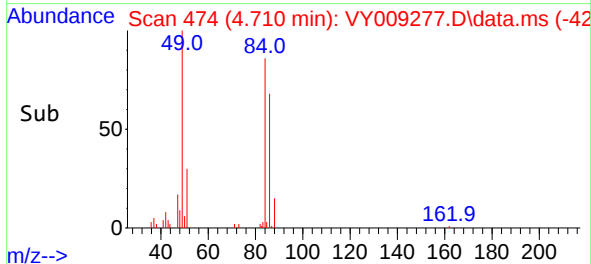
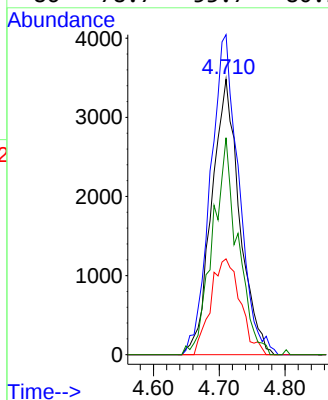
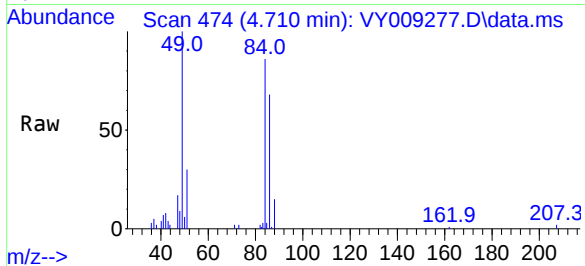


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621

Tgt Ion: 84 Resp: 10258

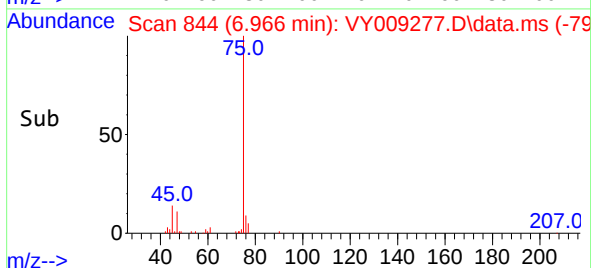
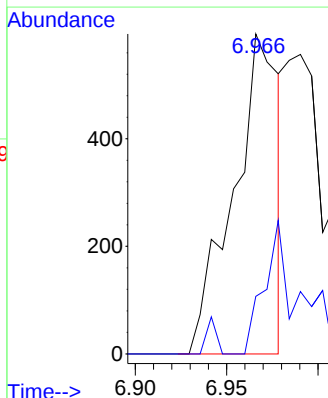
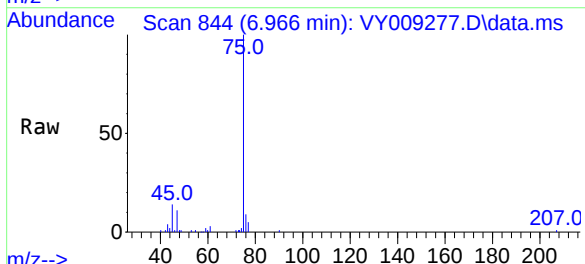
Ion	Ratio	Lower	Upper
84	100		
49	116.1	114.4	171.6
51	34.8	35.3	52.9#
86	78.7	53.7	80.5

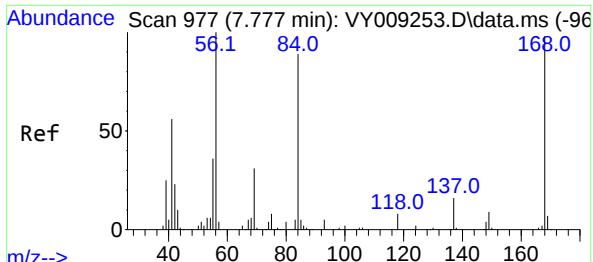


#25
2-Butanone
Concen: 1.08 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 43 Resp: 1018

Ion	Ratio	Lower	Upper
43	100		
72	18.0	17.7	26.5

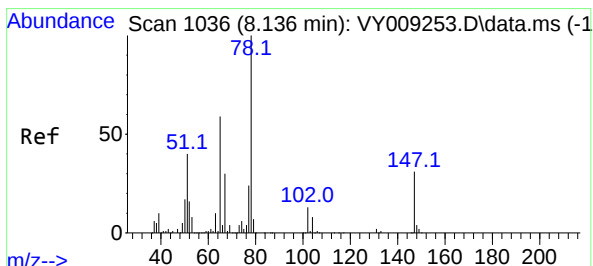
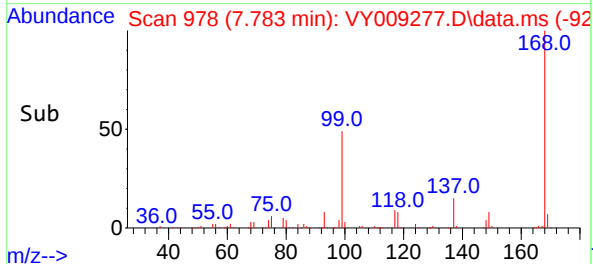
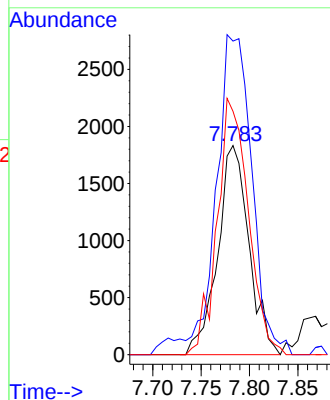
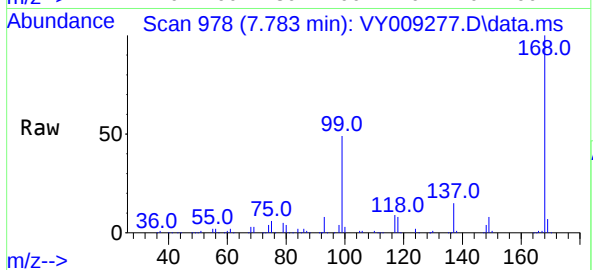




#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

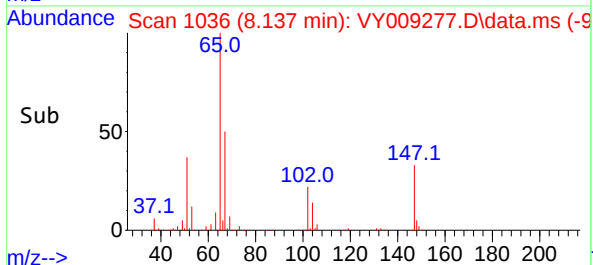
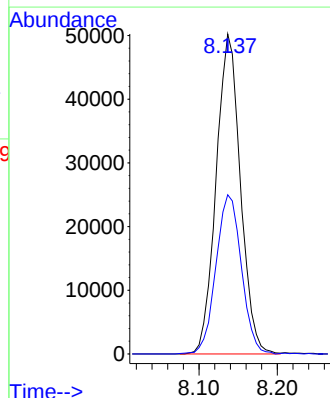
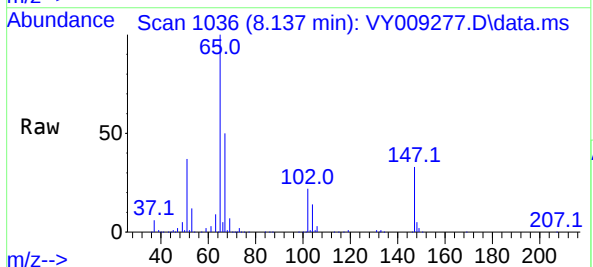
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621

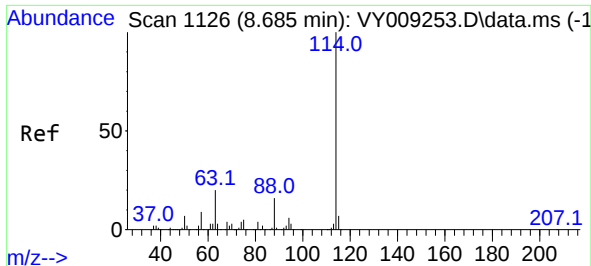
Tgt Ion: 56 Resp: 4122
Ion Ratio Lower Upper
56 100
69 144.7 26.7 40.1#
84 116.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 45.79 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 65 Resp: 108197
Ion Ratio Lower Upper
65 100
67 52.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009277.D

Acq: 22 Jun 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-14-16-20220621

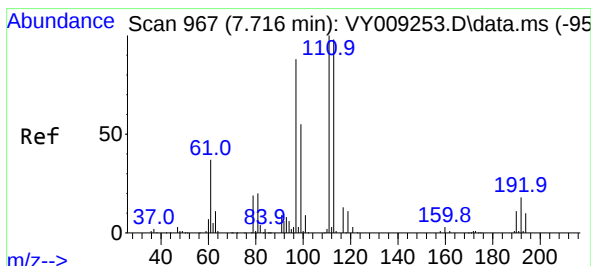
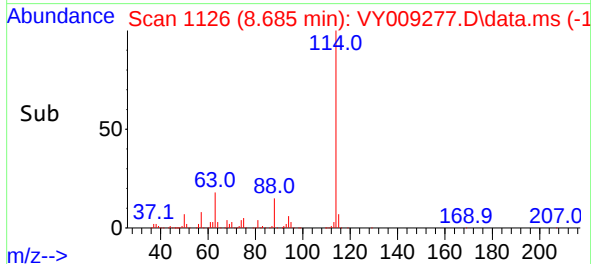
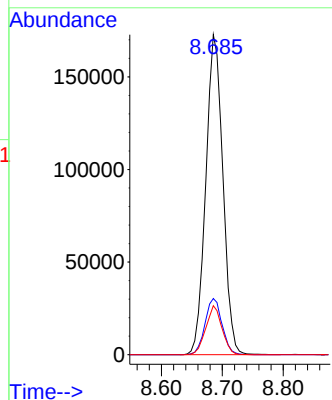
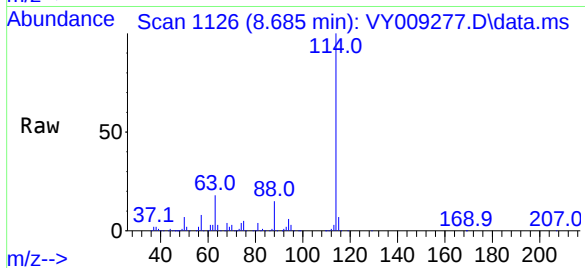
Tgt Ion:114 Resp: 337319

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.02 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009277.D

Acq: 22 Jun 2022 17:19

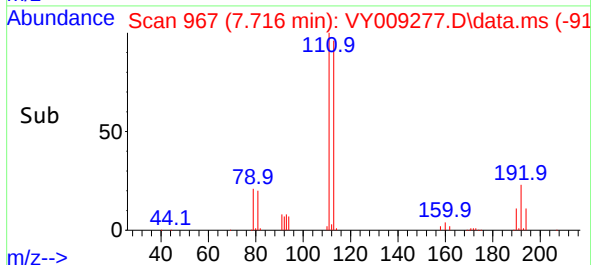
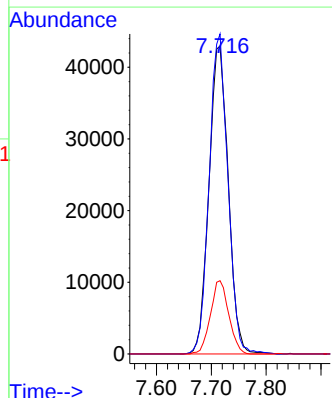
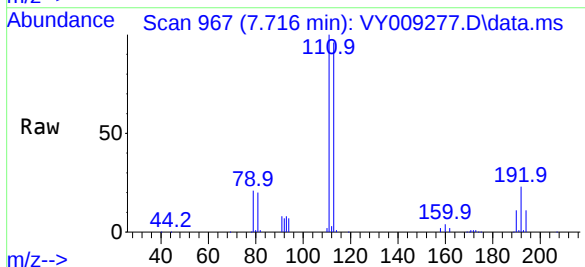
Tgt Ion:113 Resp: 104895

Ion Ratio Lower Upper

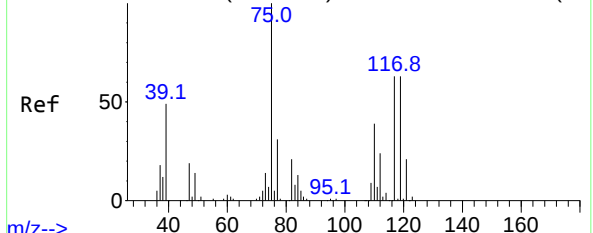
113 100

111 100.7 82.6 124.0

192 22.5 17.6 26.4

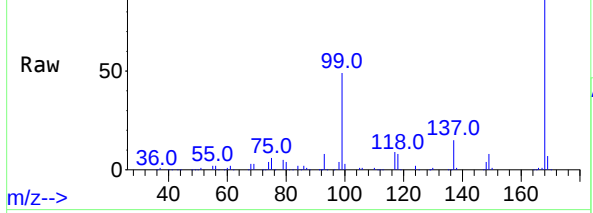


Abundance Scan 999 (7.911 min): VY009253.D\data.ms (-98



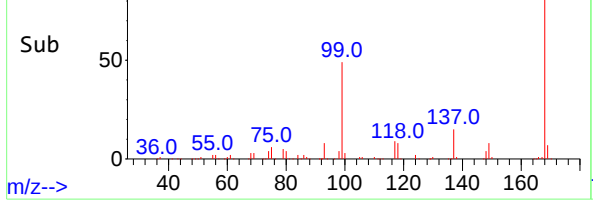
m/z-->

Abundance Scan 978 (7.783 min): VY009277.D\data.ms



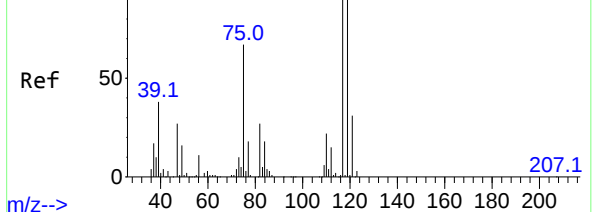
m/z-->

Abundance Scan 978 (7.783 min): VY009277.D\data.ms (-95



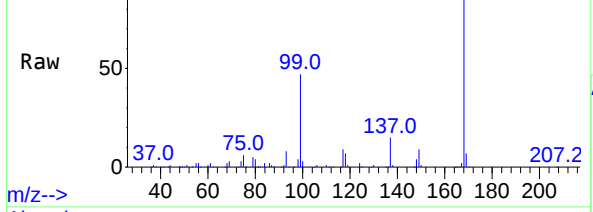
m/z-->

Abundance Scan 997 (7.899 min): VY009253.D\data.ms (-98



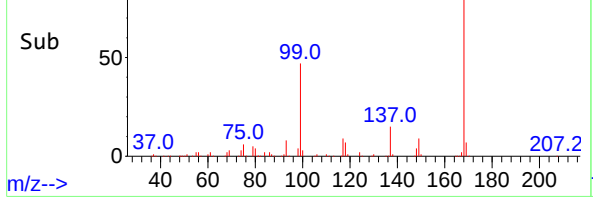
m/z-->

Abundance Scan 979 (7.789 min): VY009277.D\data.ms



m/z-->

Abundance Scan 979 (7.789 min): VY009277.D\data.ms (-94



m/z-->

#36

1,1-Dichloropropene

Concen: 4.20 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009277.D

Acq: 22 Jun 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-14-16-20220621

Tgt Ion: 75 Resp: 13958

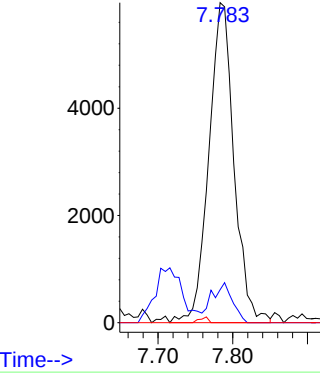
Ion Ratio Lower Upper

75 100

110 10.2 17.1 51.2#

77 0.0 24.4 36.6#

Abundance



Time-->

#38

Carbon Tetrachloride

Concen: 5.61 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY009277.D

Acq: 22 Jun 2022 17:19

Tgt Ion:117 Resp: 19376

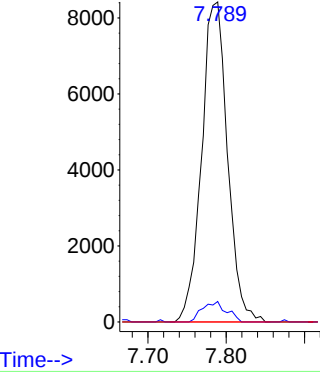
Ion Ratio Lower Upper

117 100

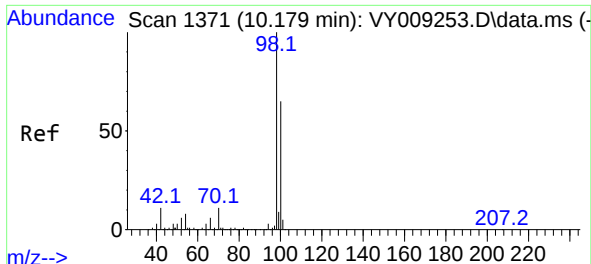
119 6.4 77.9 116.9#

121 0.0 24.8 37.2#

Abundance



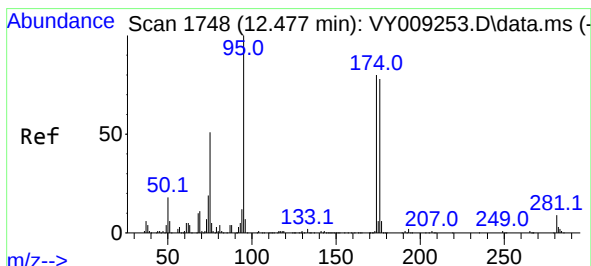
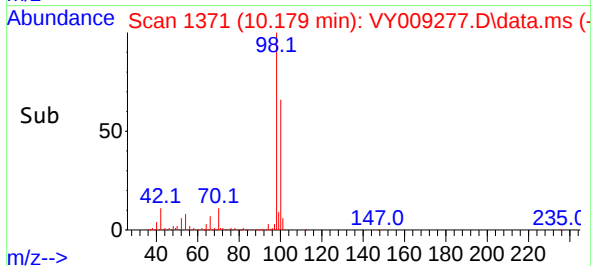
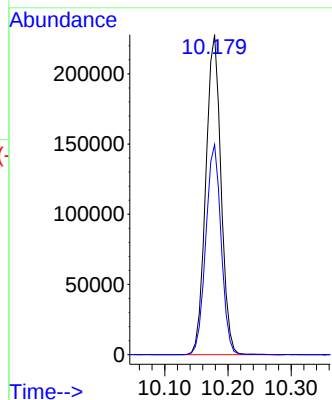
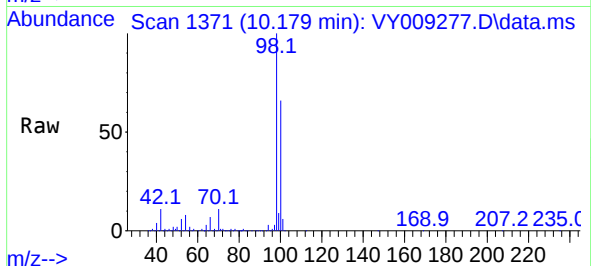
Time-->



#50
Toluene-d8
Concen: 45.37 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

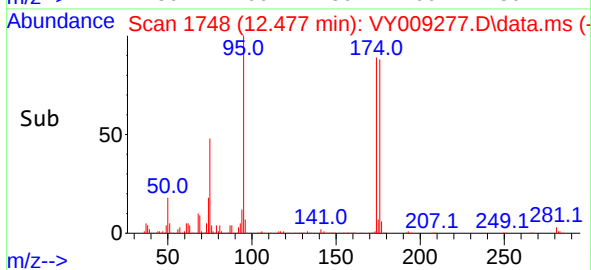
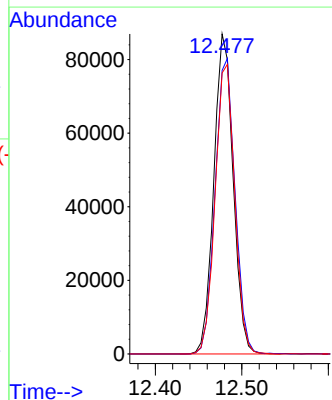
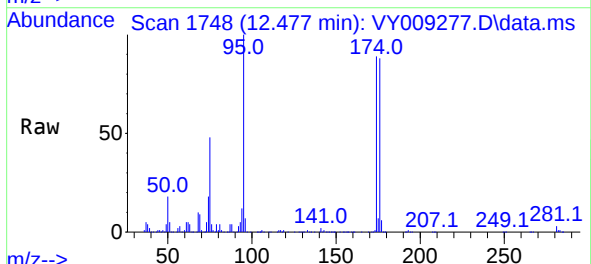
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621

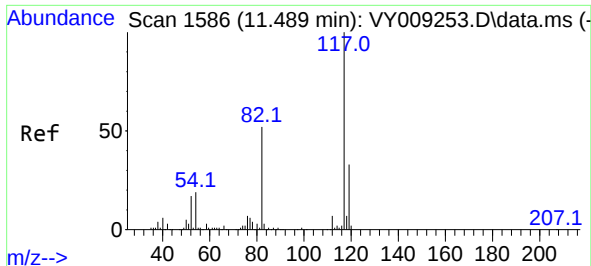
Tgt Ion: 98 Resp: 380771
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.71 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 95 Resp: 134797
Ion Ratio Lower Upper
95 100
174 95.1 0.0 177.0
176 91.8 0.0 175.8

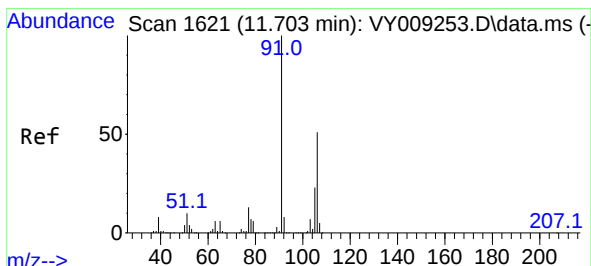
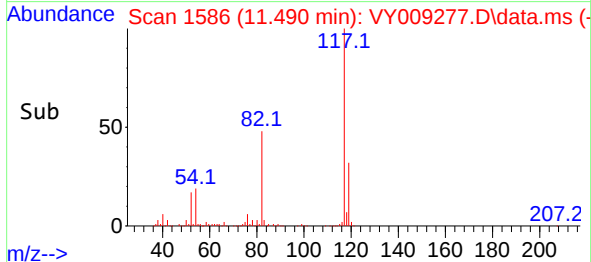
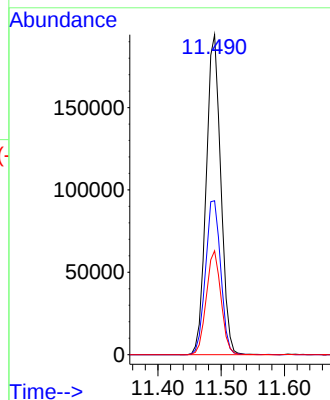
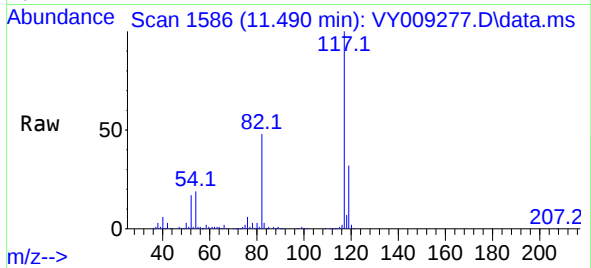




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

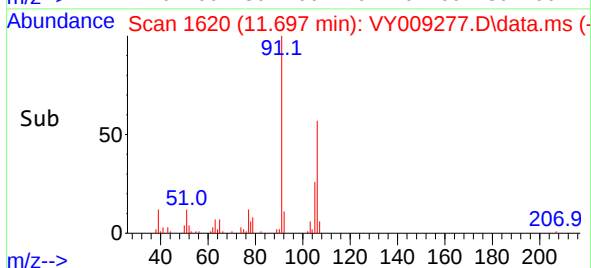
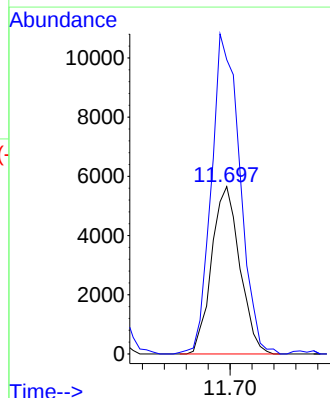
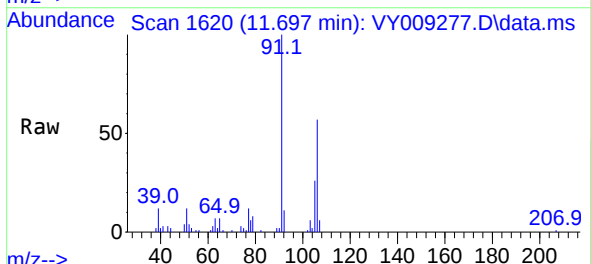
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621

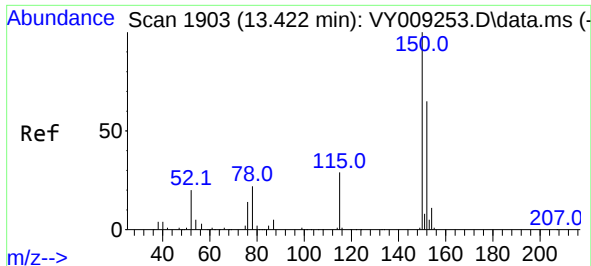
Tgt Ion:117 Resp: 312502
Ion Ratio Lower Upper
117 100
82 48.1 43.0 64.4
119 32.5 25.4 38.0



#68
m/p-Xylenes
Concen: 2.11 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

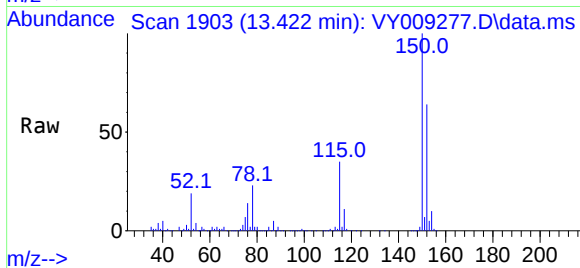
Tgt Ion:106 Resp: 10085
Ion Ratio Lower Upper
106 100
91 193.9 166.6 249.8



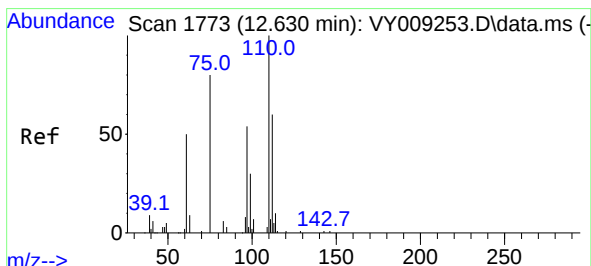
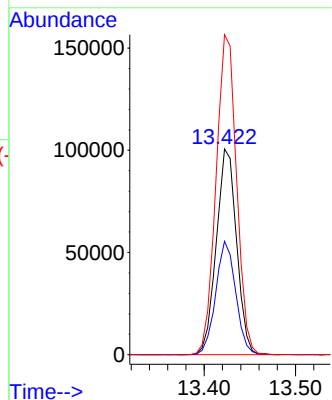
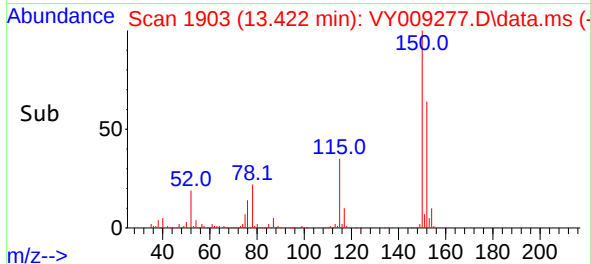


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

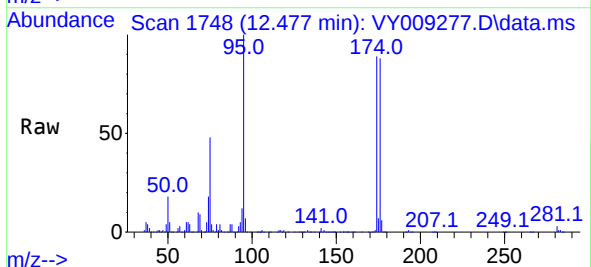
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621



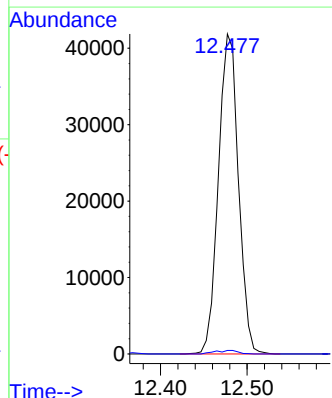
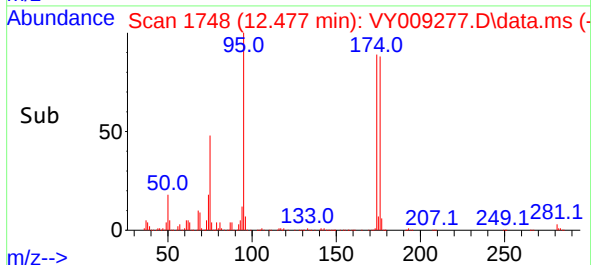
Tgt Ion:152 Resp: 155261
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 157.5 0.0 347.6

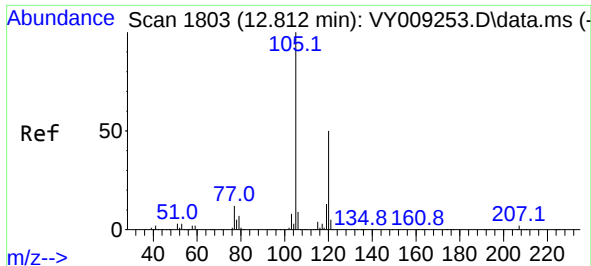


#76
1,2,3-Trichloropropane
Concen: 36.95 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19



Tgt Ion: 75 Resp: 67268
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

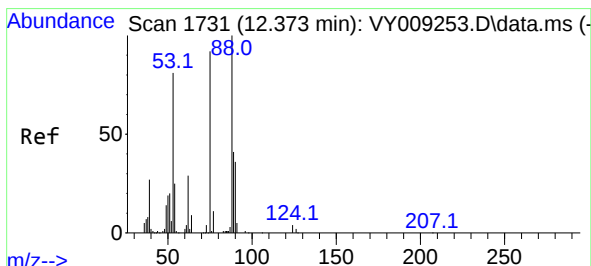
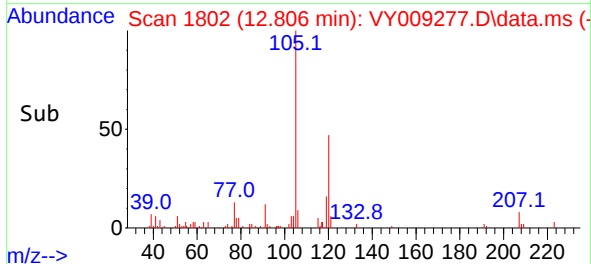
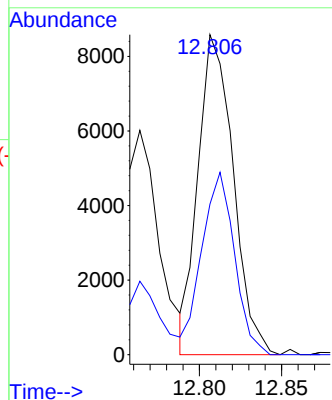
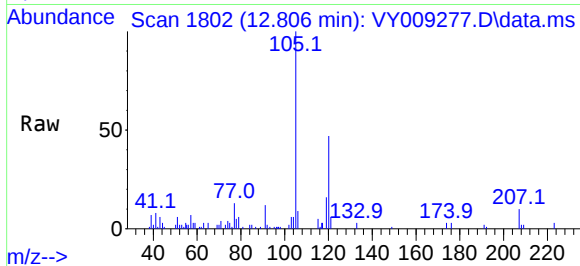




#80
1,3,5-Trimethylbenzene
Concen: 1.26 ug/l
RT: 12.806 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

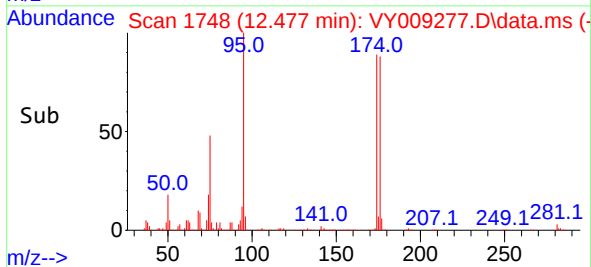
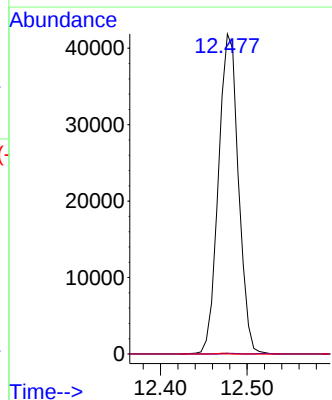
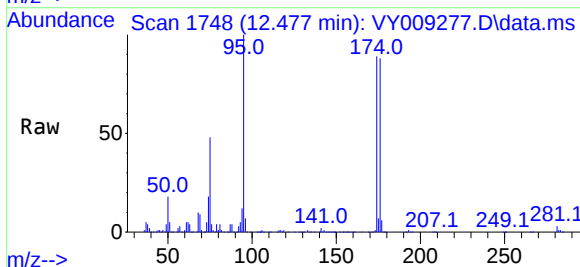
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621

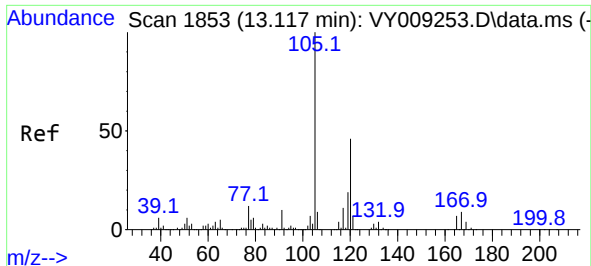
Tgt Ion:105 Resp: 12751
Ion Ratio Lower Upper
105 100
120 53.1 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 78.36 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 75 Resp: 67268
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.2 37.0 55.4#

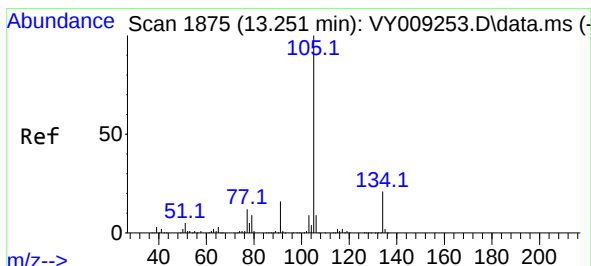
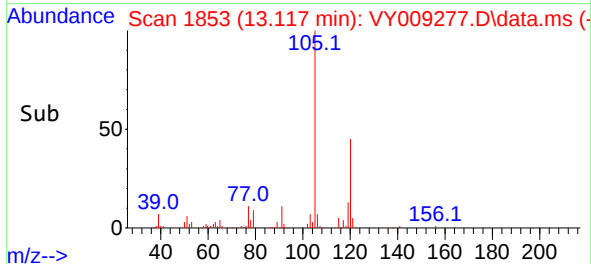
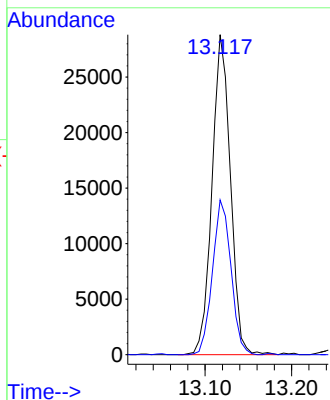
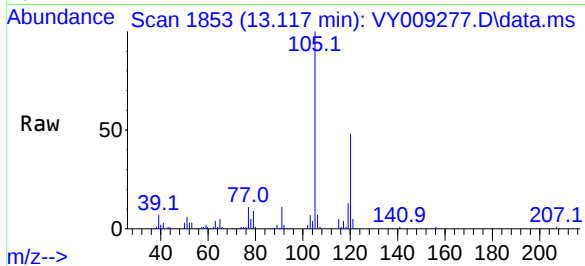




#84
1,2,4-Trimethylbenzene
Concen: 4.28 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

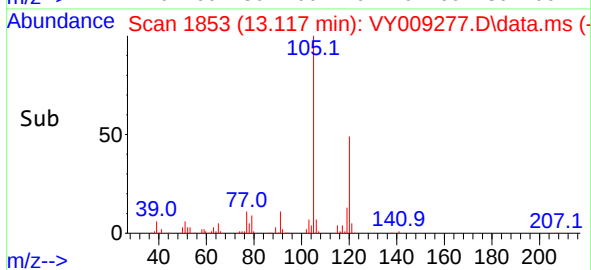
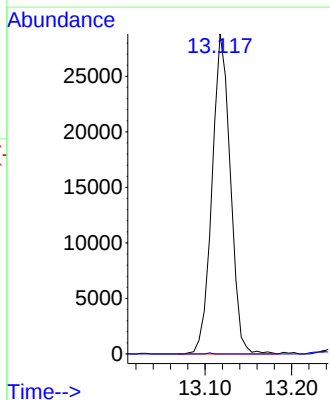
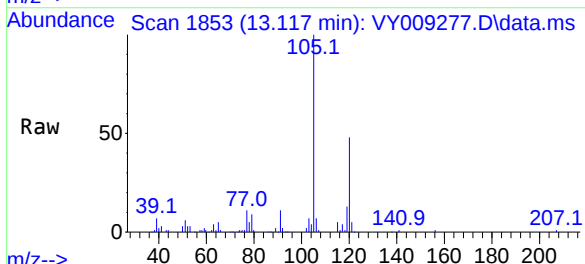
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621

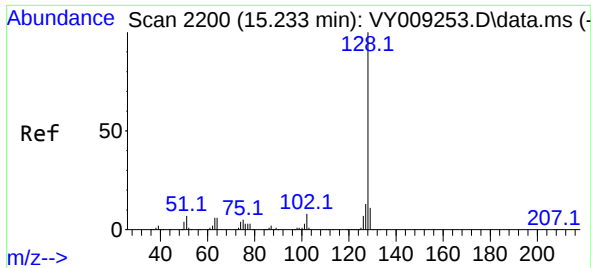
Tgt Ion:105 Resp: 42434
Ion Ratio Lower Upper
105 100
120 48.7 22.3 66.9



#85
sec-Butylbenzene
Concen: 3.21 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.134 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

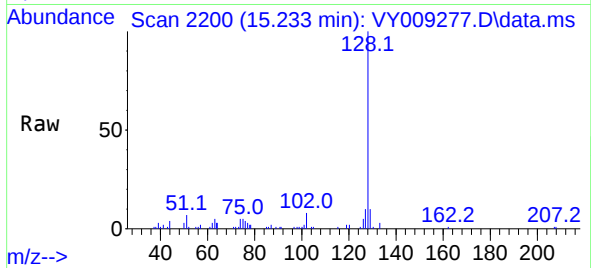
Tgt Ion:105 Resp: 42434
Ion Ratio Lower Upper
105 100
134 0.1 10.2 30.4#





#95
Naphthalene
Concen: 2.75 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY009277.D
Acq: 22 Jun 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-14-16-20220621



Tgt Ion:128 Resp: 17371

Ion	Ratio	Lower	Upper
128	100		
127	11.9	11.0	16.4
129	12.5	8.4	12.6

