

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009731.D
 Acq On : 27 Jul 2022 17:49
 Operator : KP/MD
 Sample : N3944-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2286

Quant Time: Jul 28 02:46:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

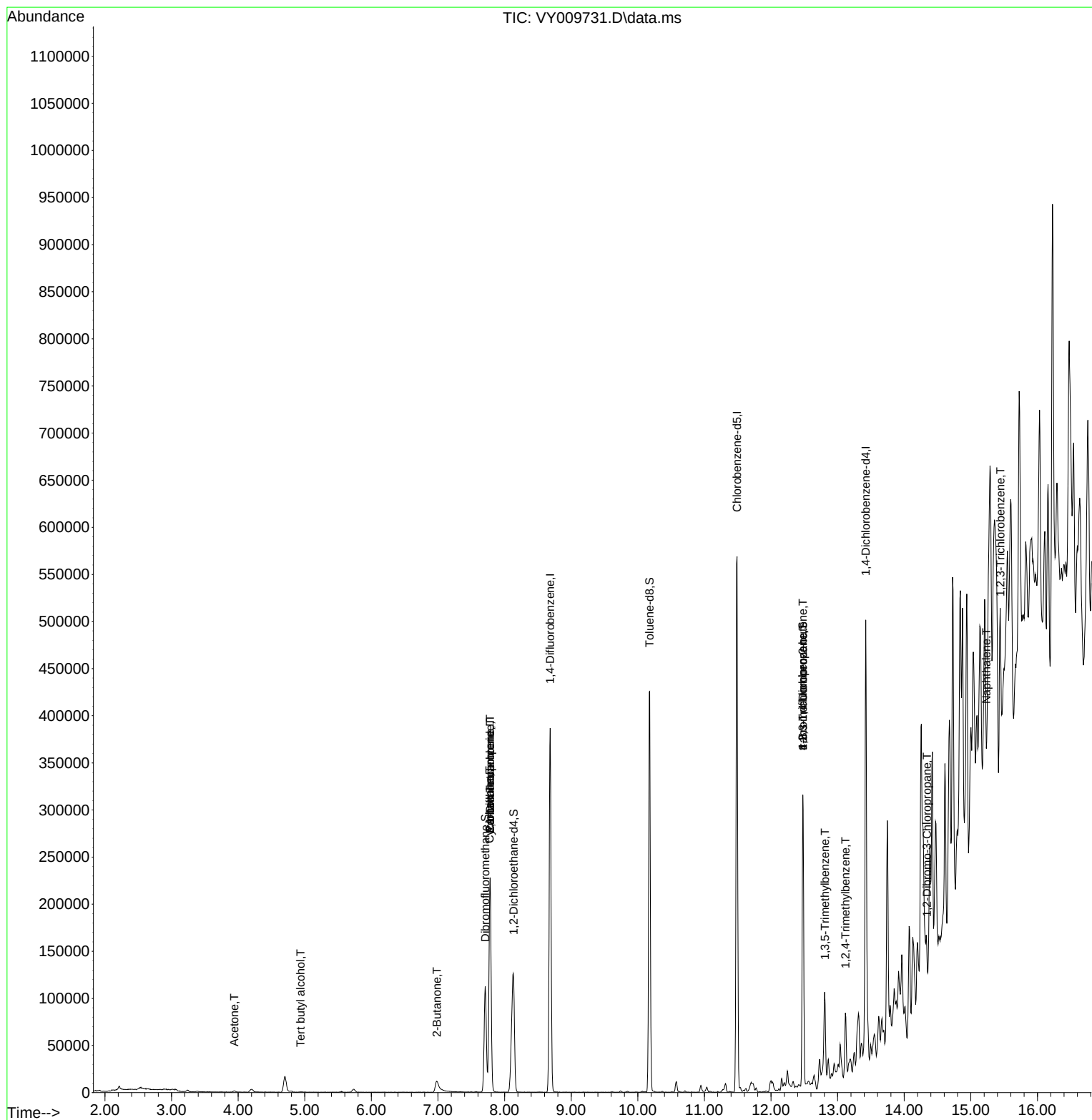
Internal Standards						
1) Pentafluorobenzene	7.783	168	190776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	345468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77830	62.593	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.180%	
35) Dibromofluoromethane	7.710	113	78797	41.938	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.880%	
50) Toluene-d8	10.179	98	287188	52.713	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 105.420%	
62) 4-Bromofluorobenzene	12.477	95	87294	35.038	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 70.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	504	1.877	ug/l #	77
16) Acetone	3.942	43	2375	5.207	ug/l	94
18) Methyl Acetate	4.472	43	98	Below Cal	#	56
20) Methylene Chloride	4.698	84	12572	Below Cal	#	79
25) 2-Butanone	6.984	43	1054	1.566	ug/l #	54
31) Cyclohexane	7.777	56	3285	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12133	3.969	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17131	5.229	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44648	38.787	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	15844	2.321	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.477	75	44648	77.315	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	34465	5.008	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.342	75	342	1.256	ug/l #	15
95) Naphthalene	15.233	128	16537	3.789	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.446	180	10837	5.321	ug/l #	13

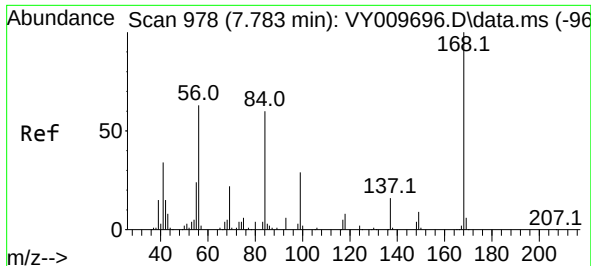
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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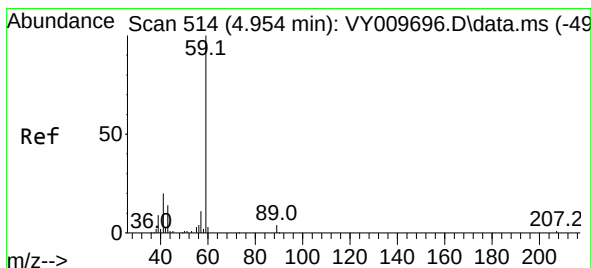
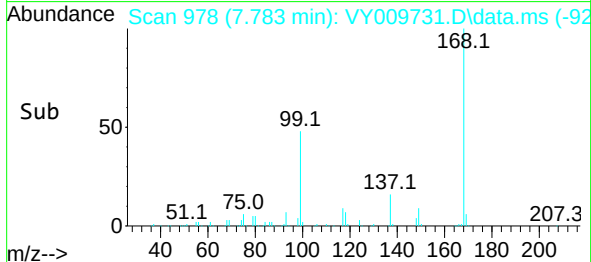
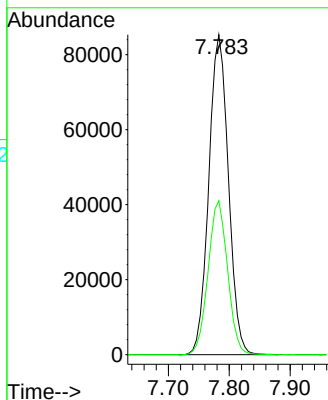
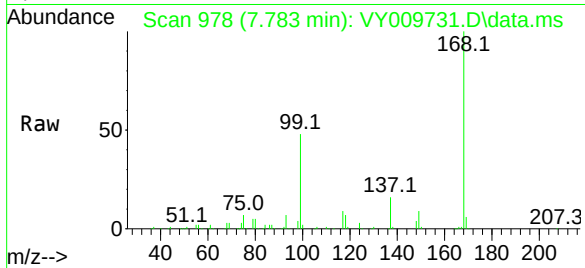




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

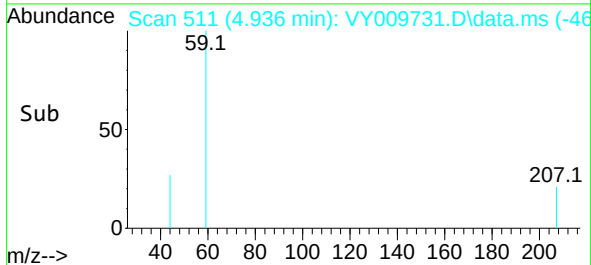
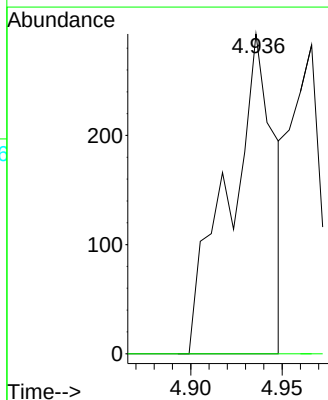
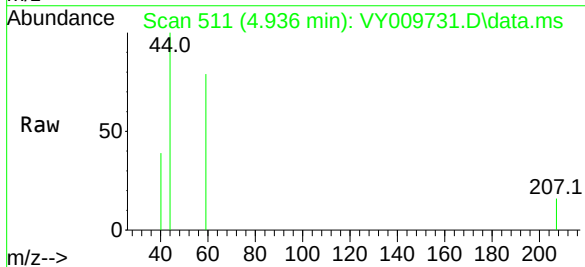
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

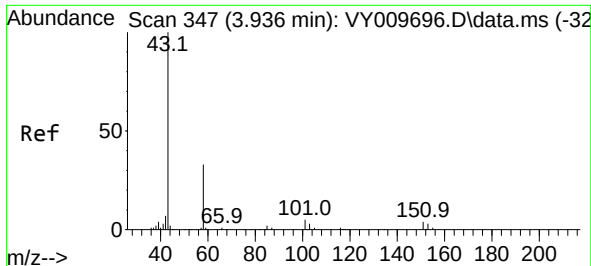
Tgt Ion:168 Resp: 190776
Ion Ratio Lower Upper
168 100
99 48.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.877 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

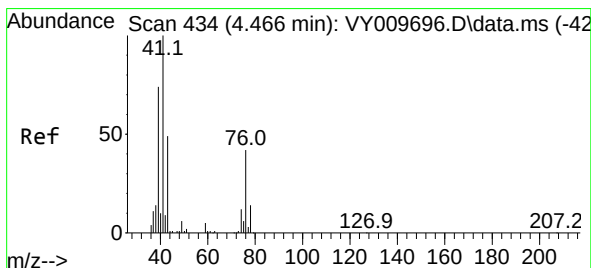
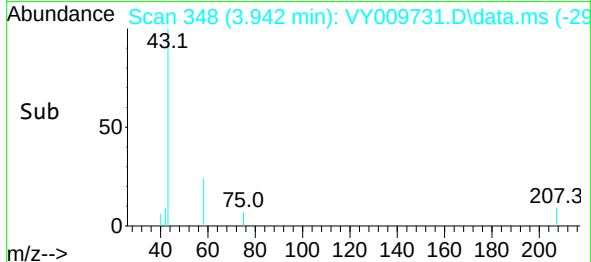
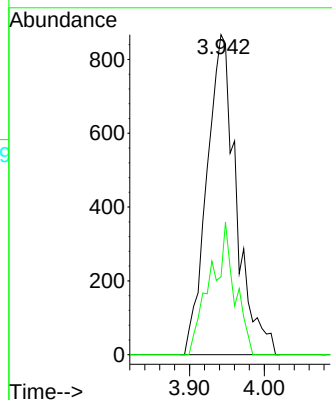
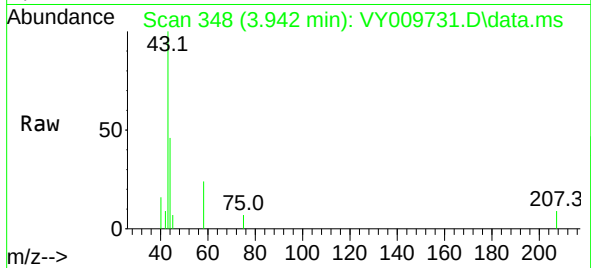




#16
Acetone
Concen: 5.207 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

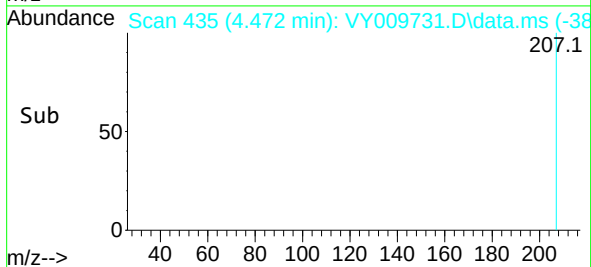
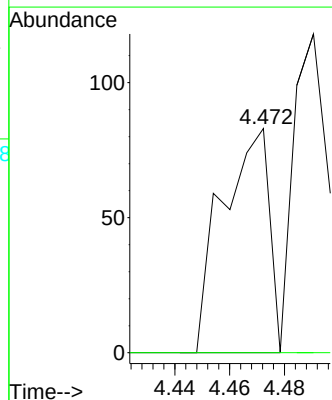
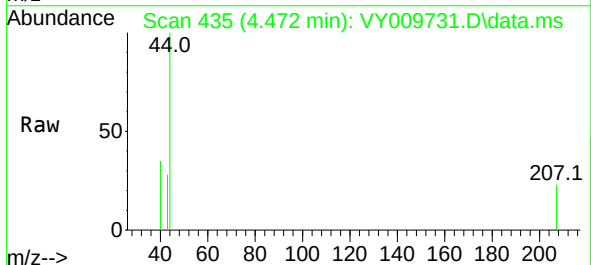
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

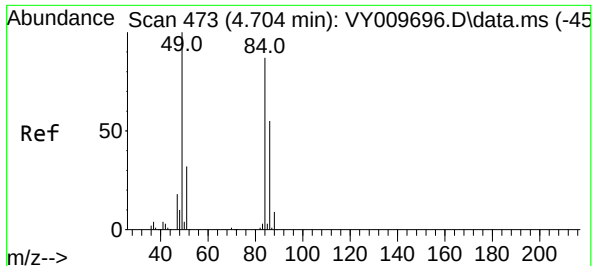
Tgt Ion: 43 Resp: 2375
Ion Ratio Lower Upper
43 100
58 24.3 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

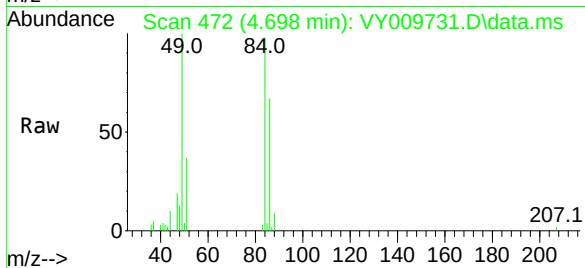
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





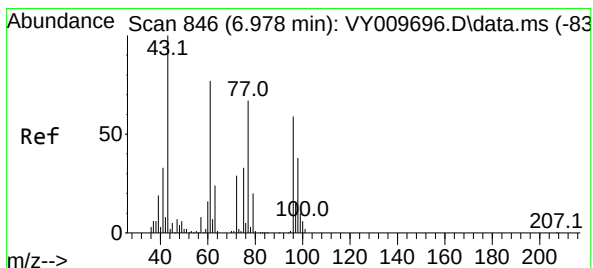
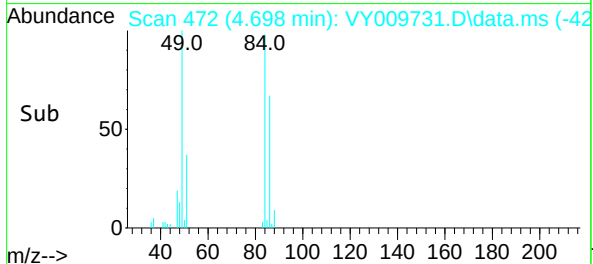
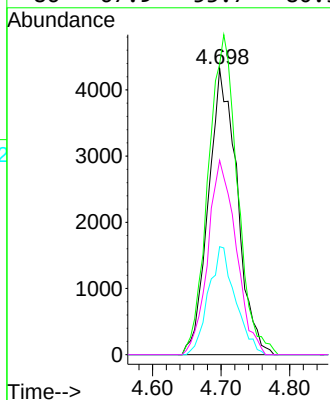
#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :
RT2286



Tgt Ion: 84 Resp: 12572

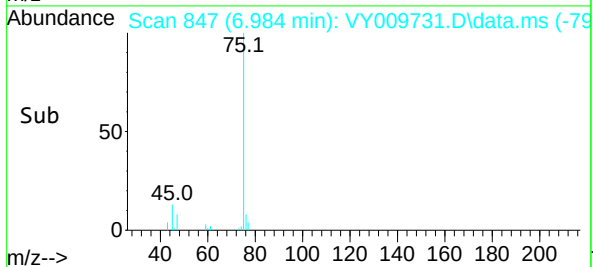
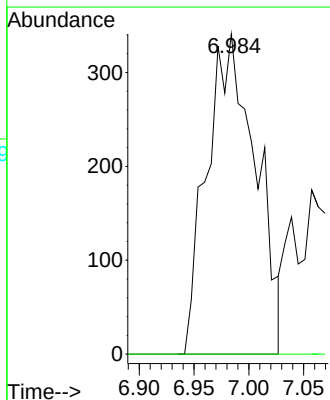
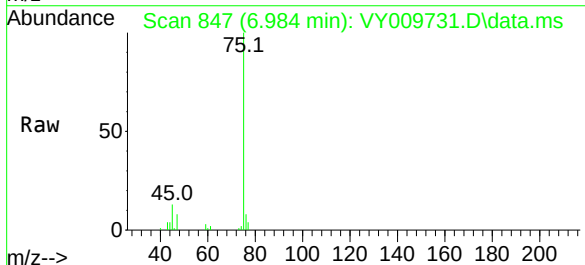
Ion	Ratio	Lower	Upper
84	100		
49	101.5	114.4	171.6#
51	37.8	35.3	52.9
86	67.9	53.7	80.5

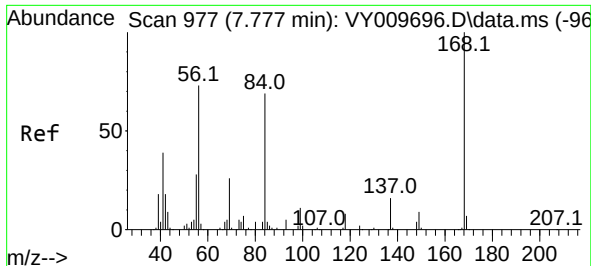


#25
2-Butanone
Concen: 1.566 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion: 43 Resp: 1054

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

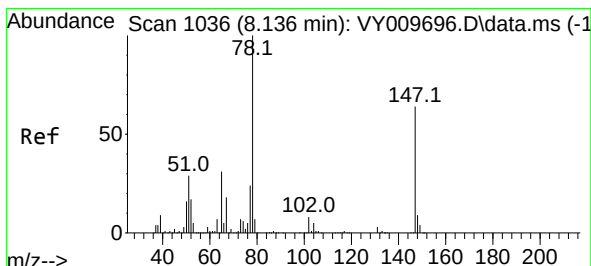
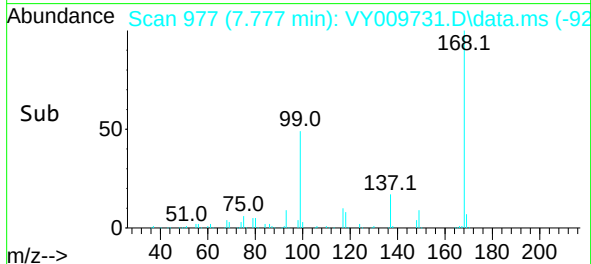
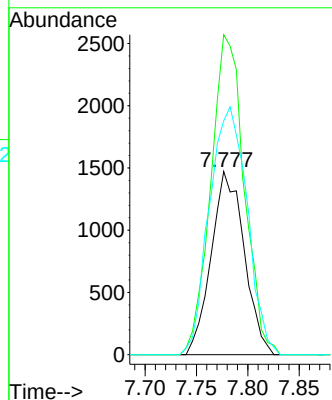
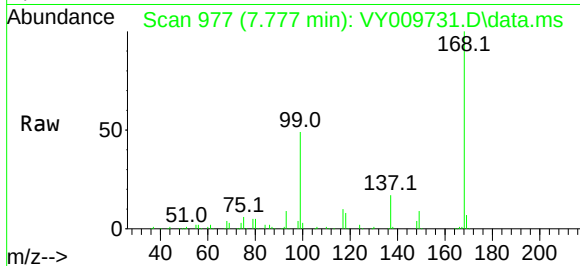




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

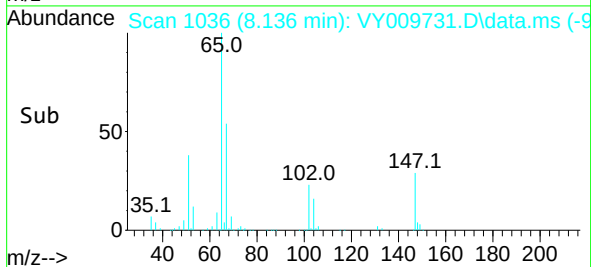
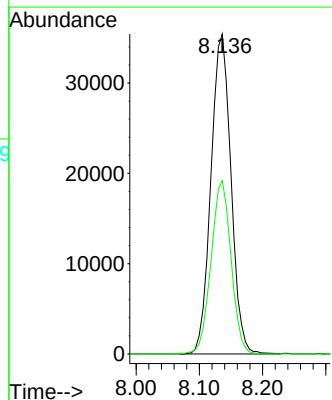
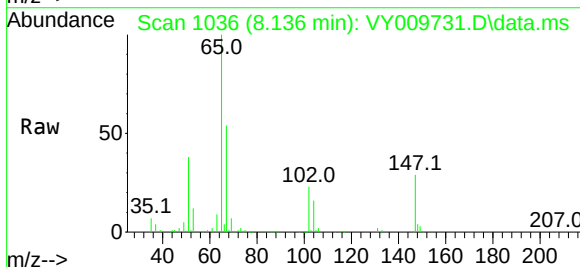
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

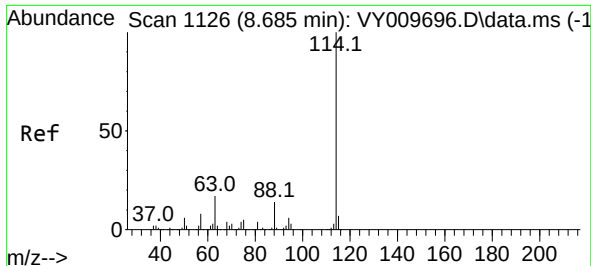
Tgt Ion: 56 Resp: 3285
Ion Ratio Lower Upper
56 100
69 174.7 26.7 40.1#
84 127.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.593 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion: 65 Resp: 77830
Ion Ratio Lower Upper
65 100
67 54.0 0.0 99.4

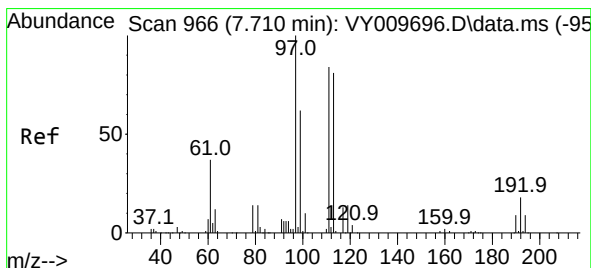
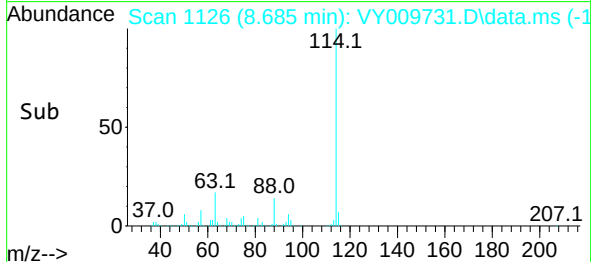
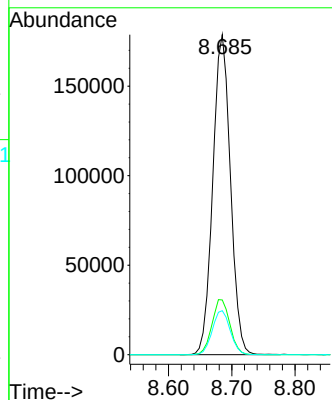
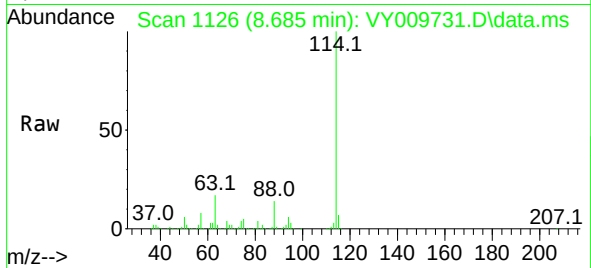




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

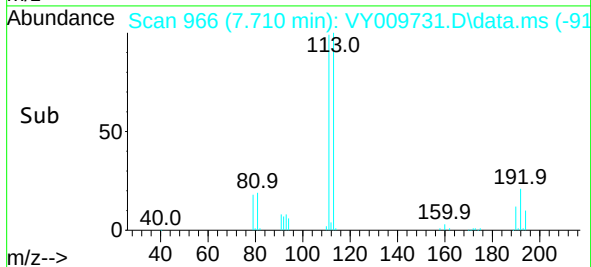
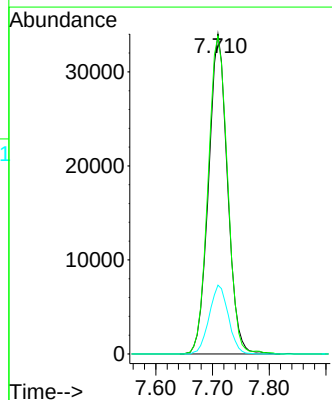
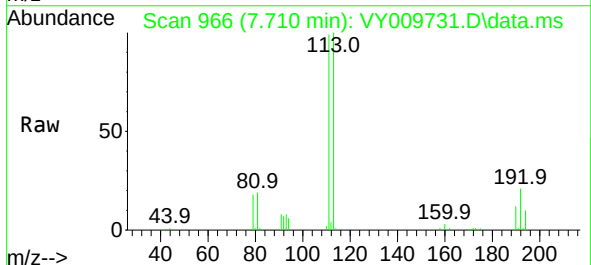
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

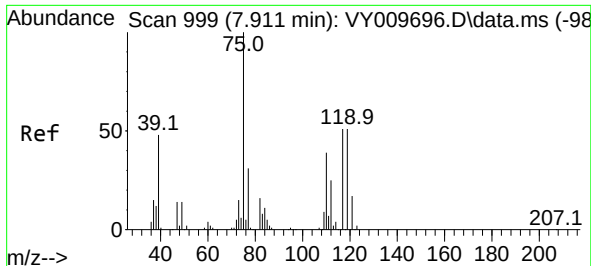
Tgt Ion:114 Resp: 345468
Ion Ratio Lower Upper
114 100
63 17.1 0.0 43.2
88 13.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 41.938 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion:113 Resp: 78797
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 21.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.969 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009731.D

Acq: 27 Jul 2022 17:49

Instrument :

MSVOA_Y

ClientSampleId :

RT2286

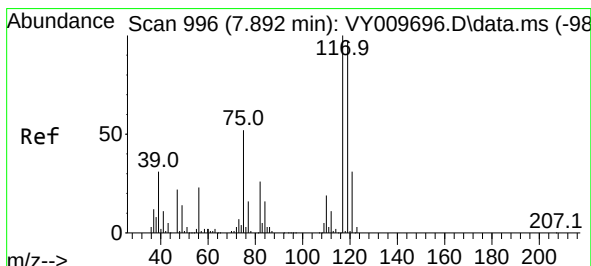
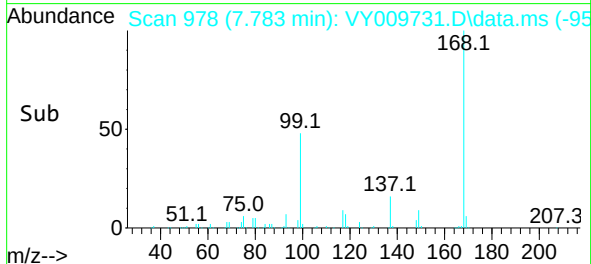
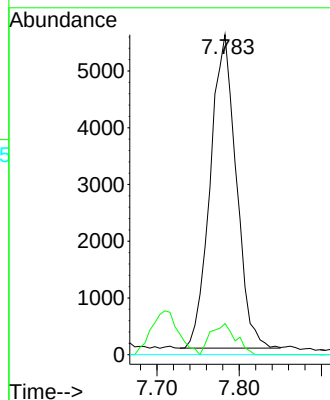
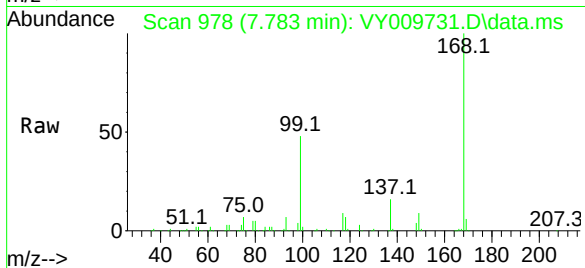
Tgt Ion: 75 Resp: 12133

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.229 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY009731.D

Acq: 27 Jul 2022 17:49

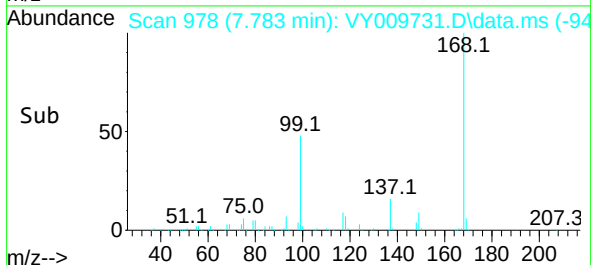
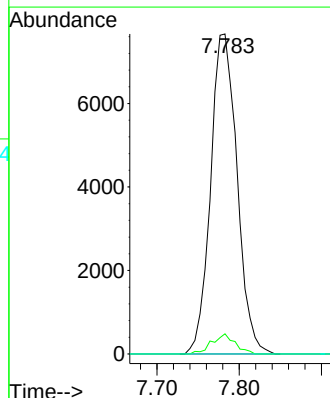
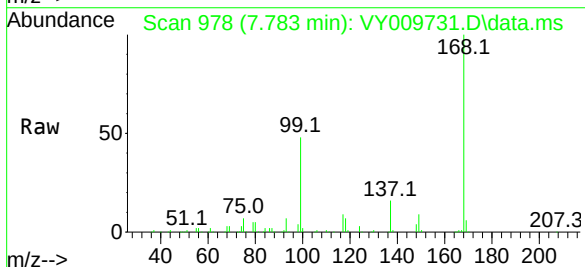
Tgt Ion: 117 Resp: 17131

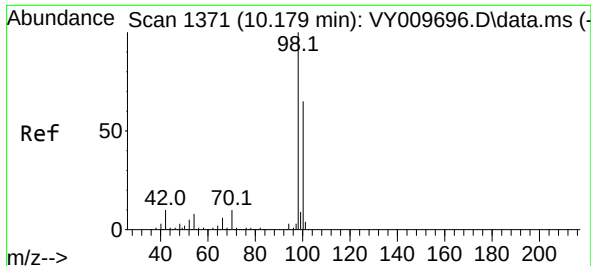
Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

121 0.0 24.8 37.2#

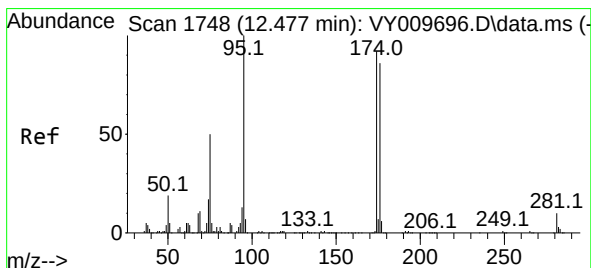
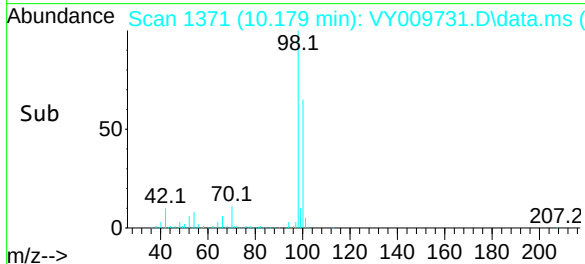
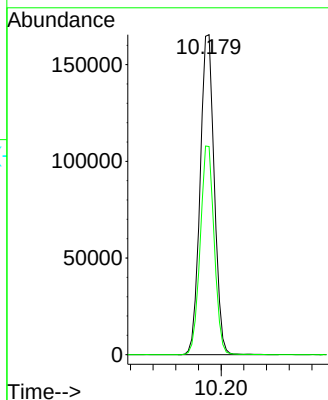
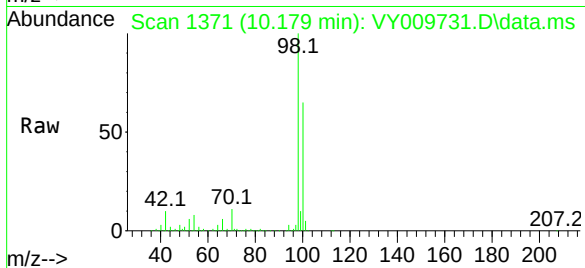




#50
Toluene-d8
Concen: 52.713 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

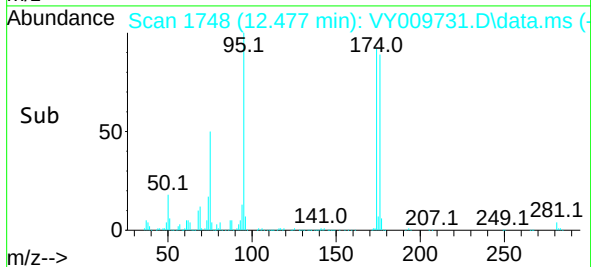
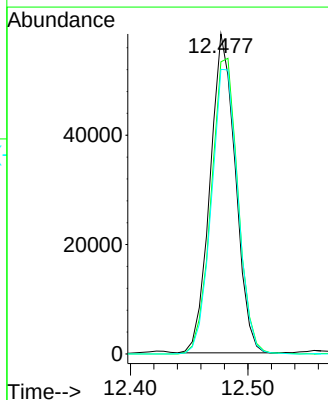
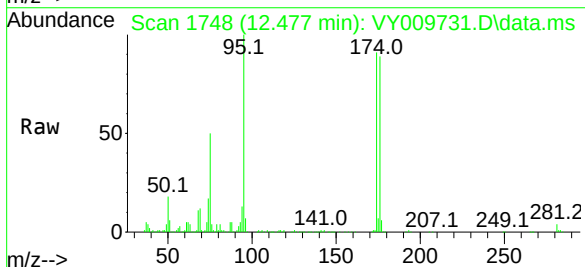
Instrument :
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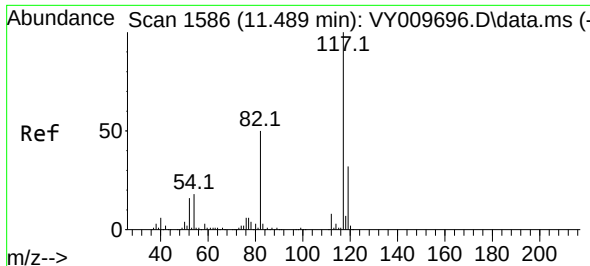
Tgt Ion: 98 Resp: 287188
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.038 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion: 95 Resp: 87294
Ion Ratio Lower Upper
95 100
174 97.9 0.0 177.0
176 94.0 0.0 175.8

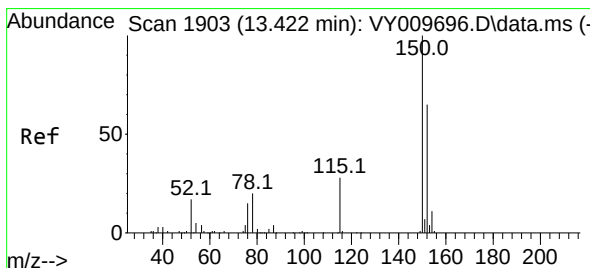
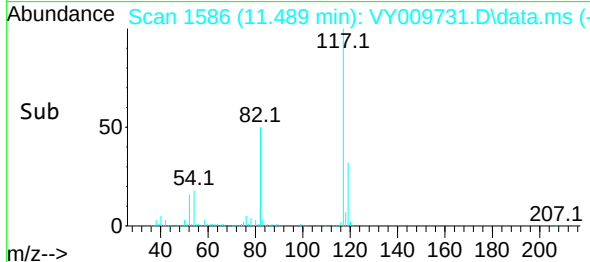
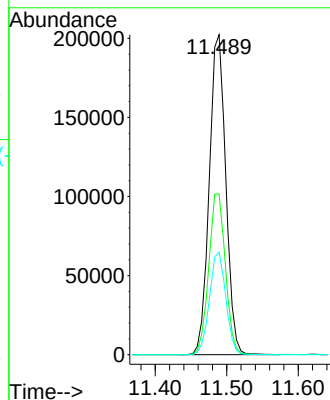
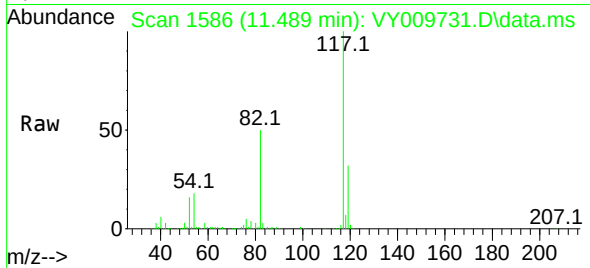




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

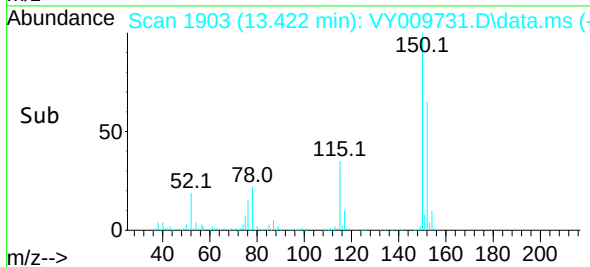
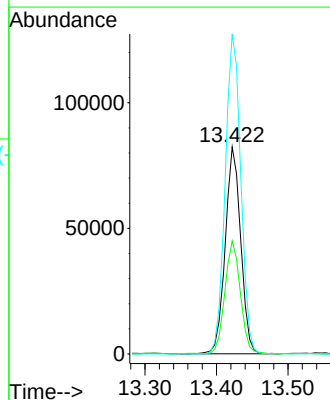
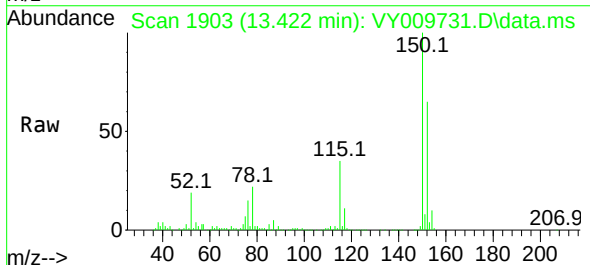
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

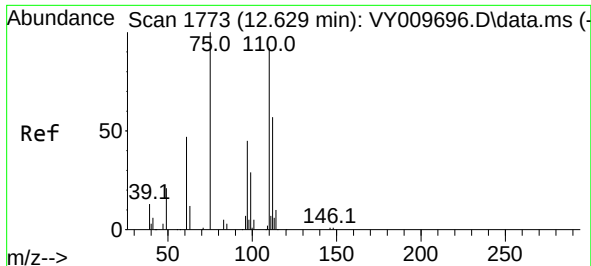
Tgt Ion:117 Resp: 324433
Ion Ratio Lower Upper
117 100
82 50.2 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion:152 Resp: 123926
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 156.0 0.0 347.6

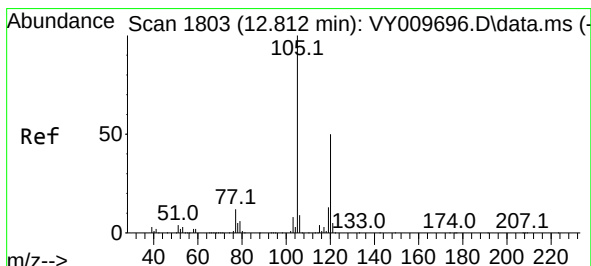
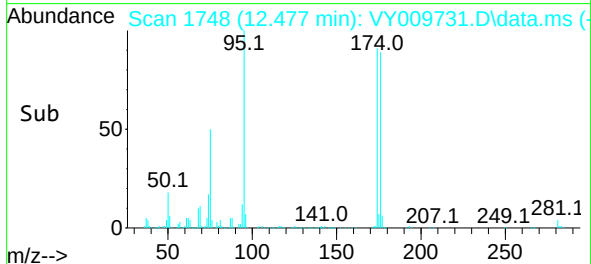
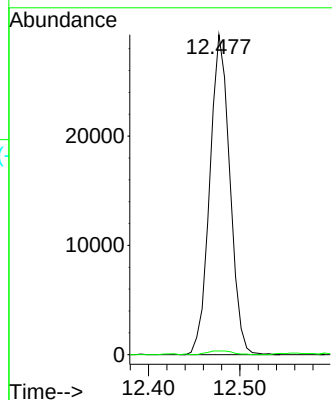
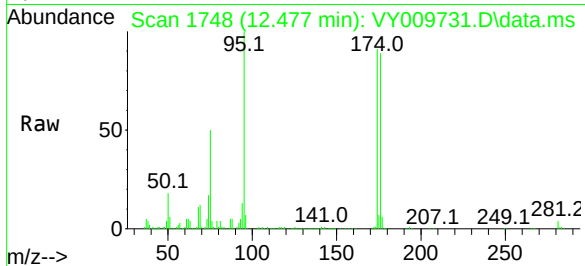




#76
1,2,3-Trichloropropane
Concen: 38.787 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

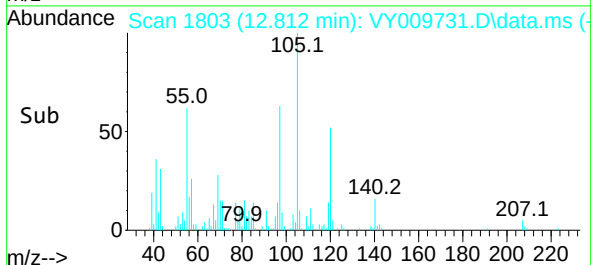
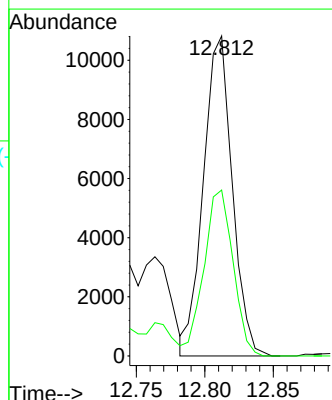
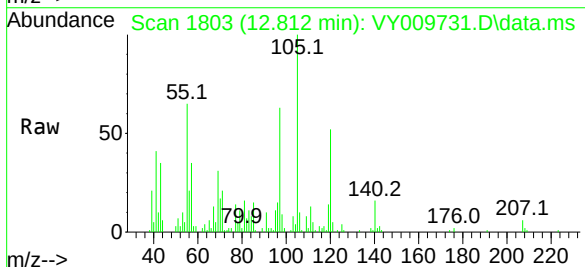
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

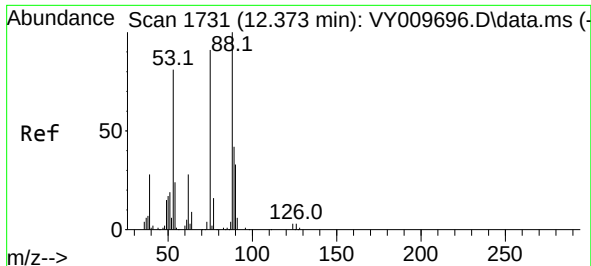
Tgt Ion: 75 Resp: 44648
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.321 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion:105 Resp: 15844
Ion Ratio Lower Upper
105 100
120 52.4 24.4 73.4

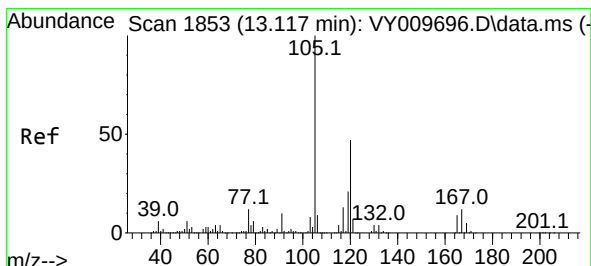
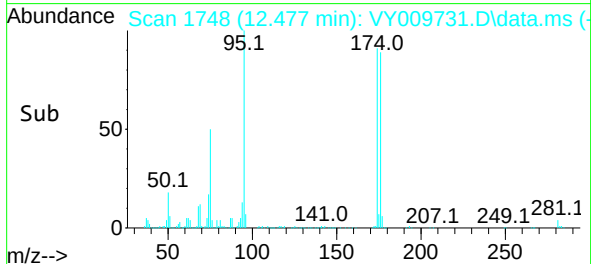
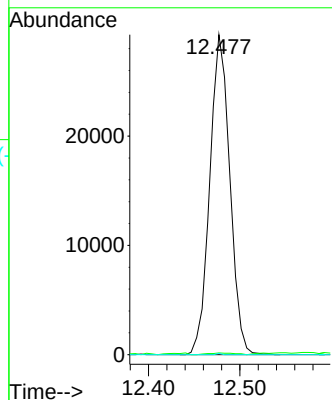
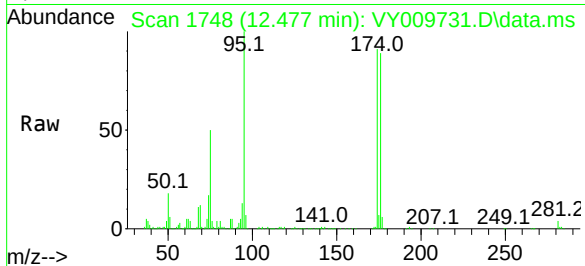




#81
trans-1,4-Dichloro-2-butene
Concen: 77.315 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

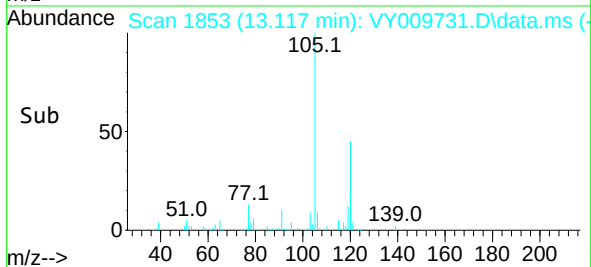
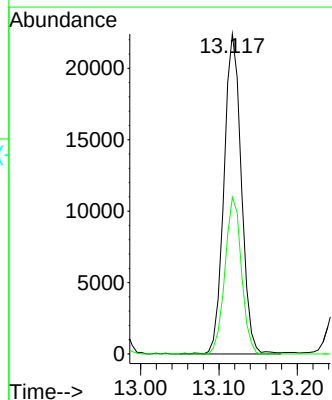
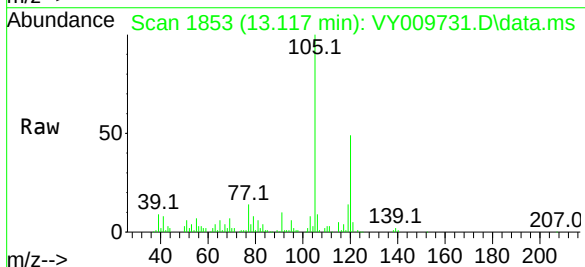
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

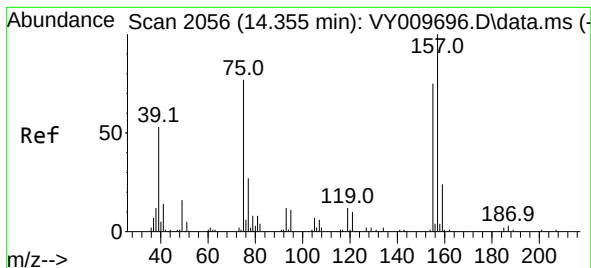
Tgt Ion: 75 Resp: 44648
Ion Ratio Lower Upper
75 100
53 0.7 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 5.008 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

Tgt Ion: 105 Resp: 34465
Ion Ratio Lower Upper
105 100
120 46.4 22.3 66.9

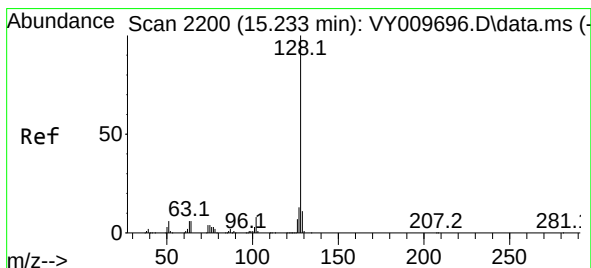
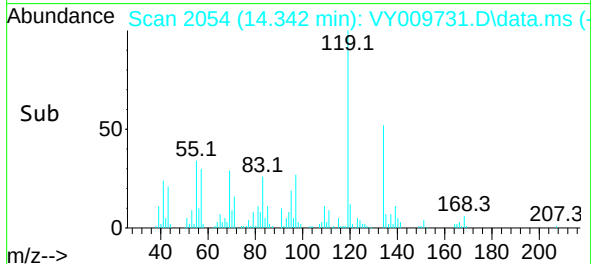
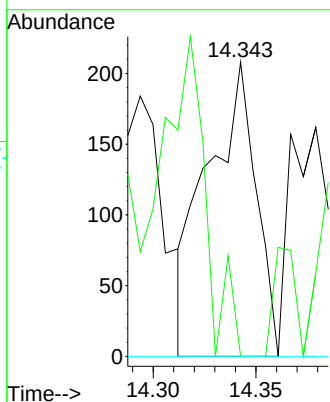
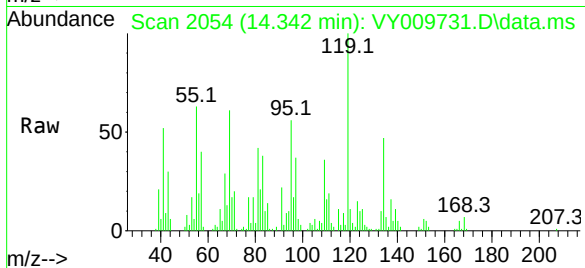




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.256 ug/l
RT: 14.342 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

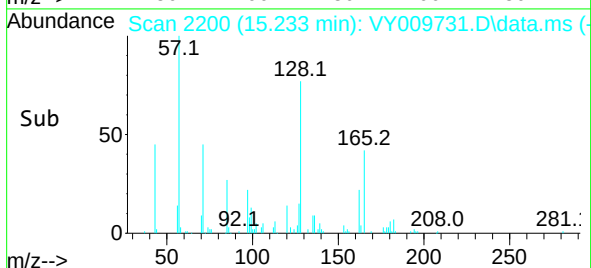
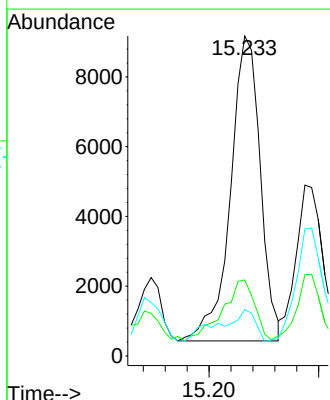
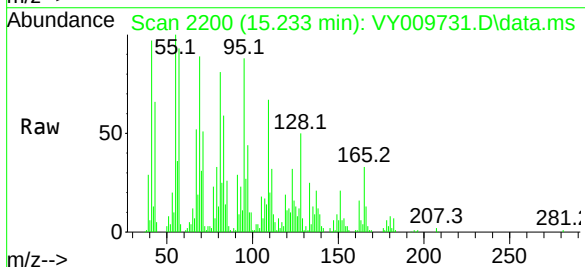
Instrument :
MSVOA_Y
ClientSampleId :
RT2286

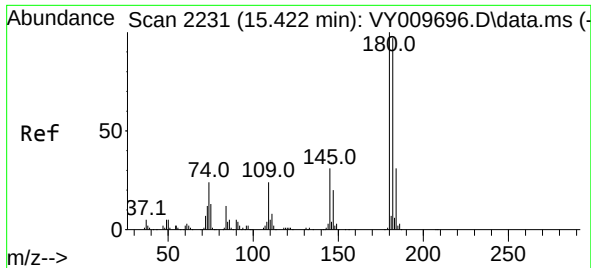
Tgt Ion: 75 Resp: 342
Ion Ratio Lower Upper
75 100
155 16.4 38.0 113.9#
157 0.0 47.8 143.3#



#95
Naphthalene
Concen: 3.789 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009731.D
Acq: 27 Jul 2022 17:49

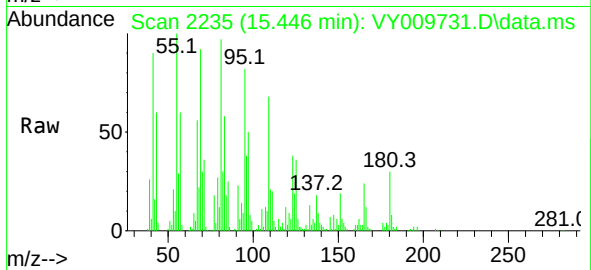
Tgt Ion: 128 Resp: 16537
Ion Ratio Lower Upper
128 100
127 21.4 11.0 16.4#
129 12.9 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 5.321 ug/l
 RT: 15.446 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY009731.D
 Acq: 27 Jul 2022 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2286



Tgt Ion:180 Resp: 10837
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 0.0 15.3 45.9#

