

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082021\
 Data File : VY005788.D
 Acq On : 20 Aug 2021 13:22
 Operator : SY/MD
 Sample : M3467-08RE
 Misc : 4.1G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAMPLE-8-(309.00)-VOC-GRABRE

Quant Time: Aug 23 01:06:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

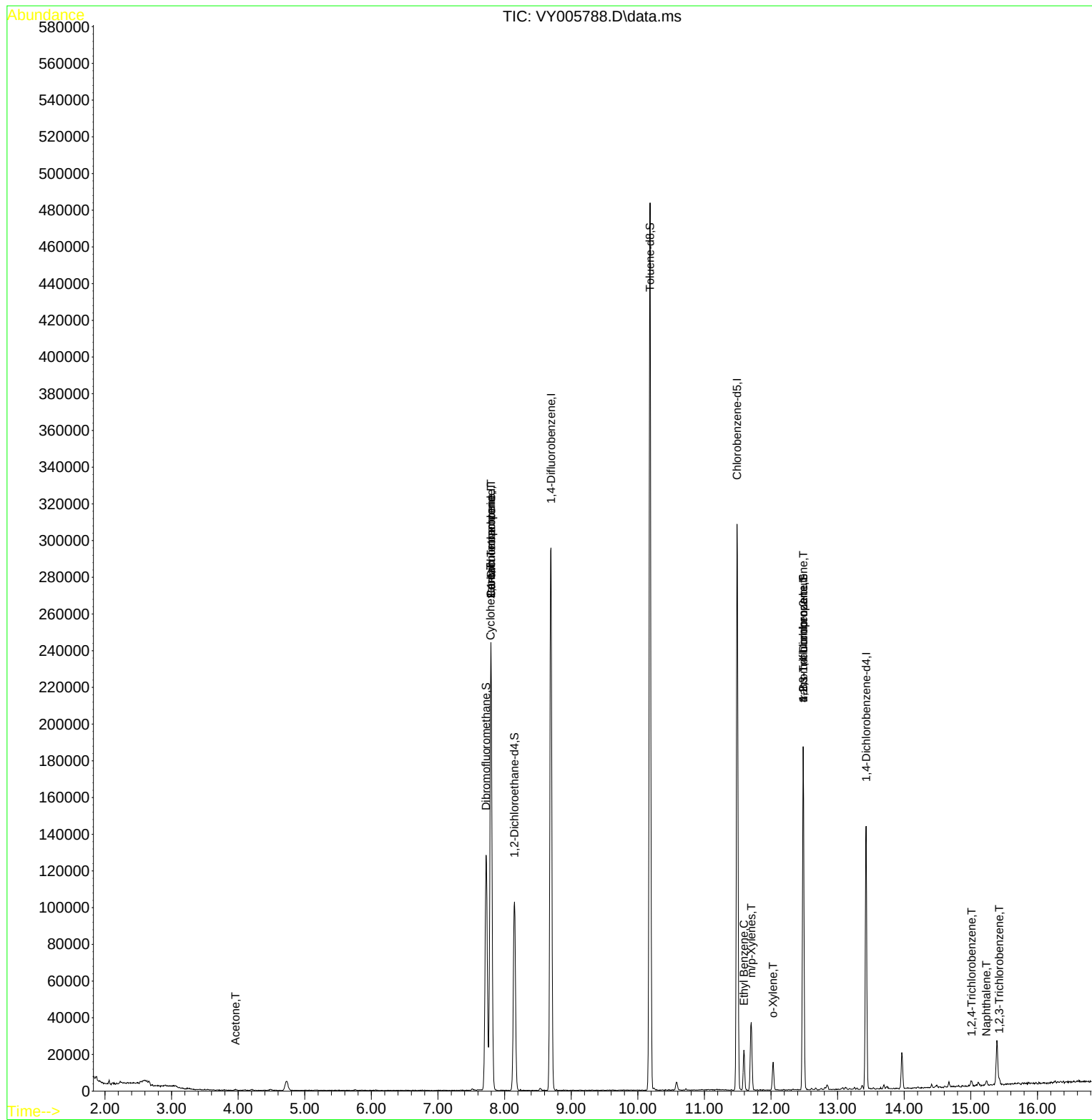
Internal Standards						
1) Pentafluorobenzene	7.795	168	194544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	253705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	164674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	37045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	86813	44.084	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.160%		
35) Dibromofluoromethane	7.722	113	88172	62.074	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	124.140%		
50) Toluene-d8	10.185	98	305648	51.307	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.620%		
62) 4-Bromofluorobenzene	12.483	95	47941	24.302	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	48.600%		
Target Compounds			Qvalue			
16) Acetone	3.960	43	711	1.432	ug/l #	75
20) Methylene Chloride	4.722	84	3975	Below Cal		94
31) Cyclohexane	7.789	56	3909	1.157	ug/l #	20
36) 1,1-Dichloropropene	7.795	75	13744	5.776	ug/l #	48
38) Carbon Tetrachloride	7.795	117	17570	6.794	ug/l #	17
67) Ethyl Benzene	11.593	91	14290	2.378	ug/l	90
68) m/p-Xylenes	11.703	106	12104	5.186	ug/l	94
69) o-Xylene	12.032	106	3662	1.632	ug/l	93
76) 1,2,3-Trichloropropane	12.483	75	25857	67.355	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25857	135.778	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.013	180	1261	1.677	ug/l	91
95) Naphthalene	15.233	128	2592	1.748	ug/l	96
96) 1,2,3-Trichlorobenzene	15.428	180	1213	1.820	ug/l	93

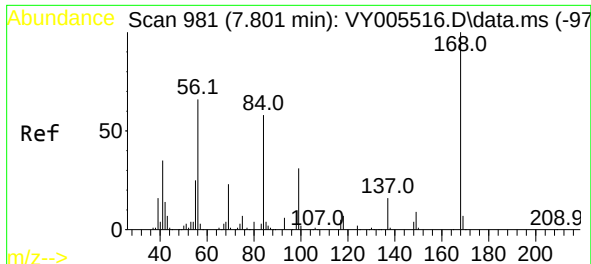
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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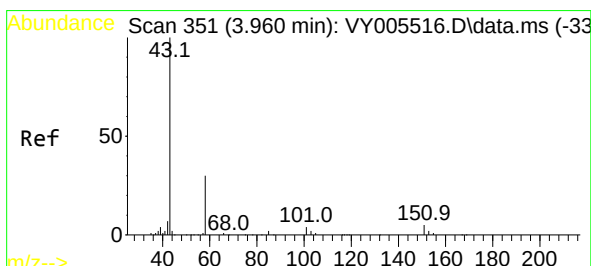
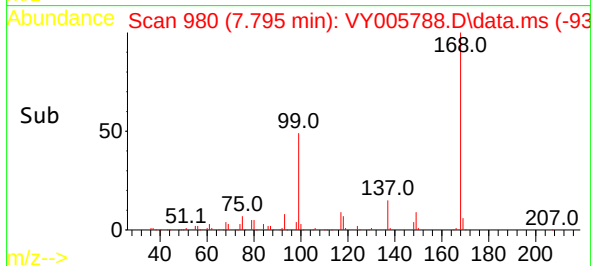
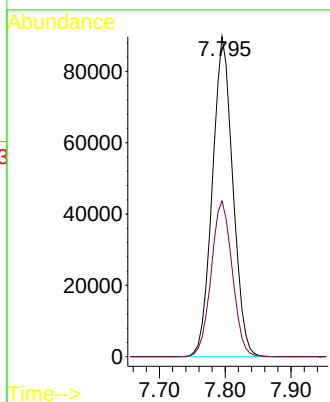
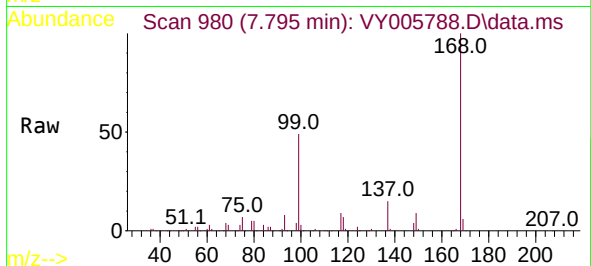




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

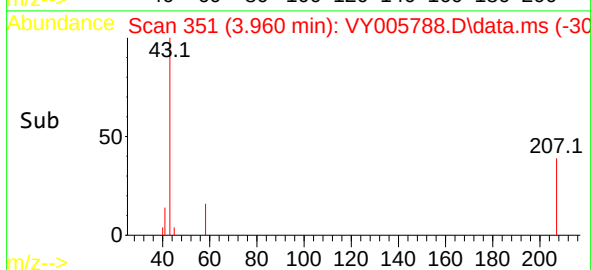
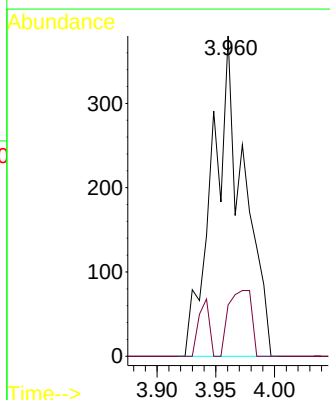
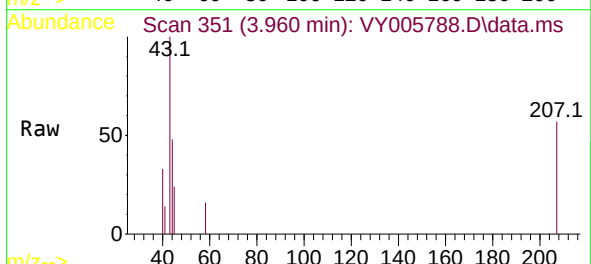
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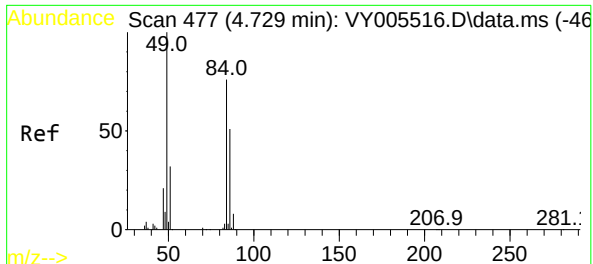
Tgt Ion:168 Resp: 194544
Ion Ratio Lower Upper
168 100
99 48.7 38.9 58.3



#16
Acetone
Concen: 1.432 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
58 16.1 23.8 35.6#

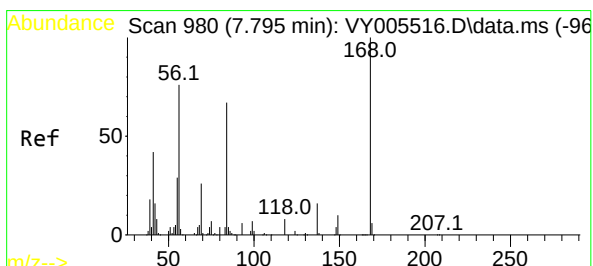
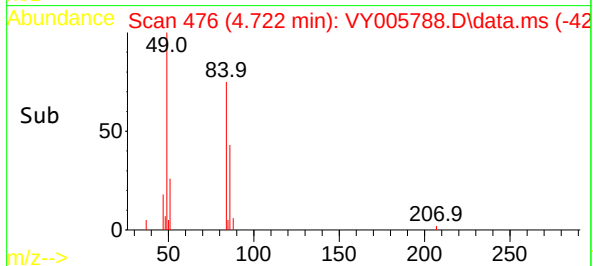
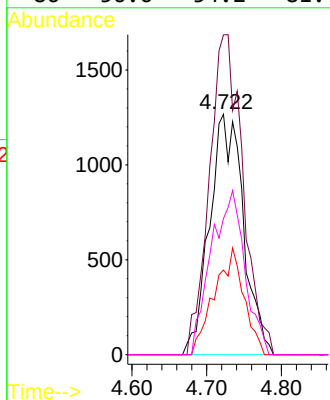
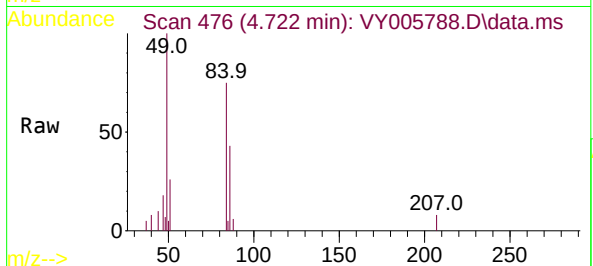




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

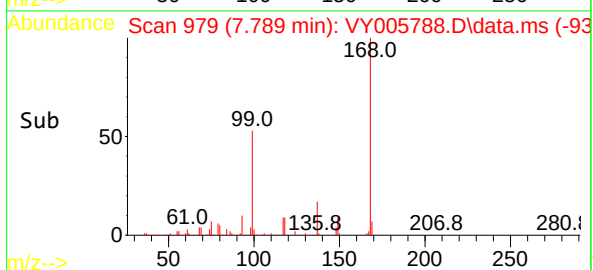
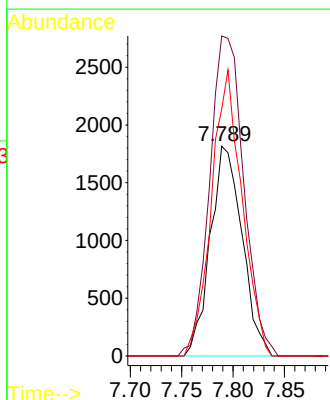
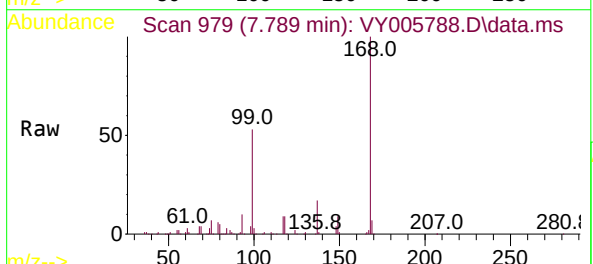
Instrument :
MSVOA_Y
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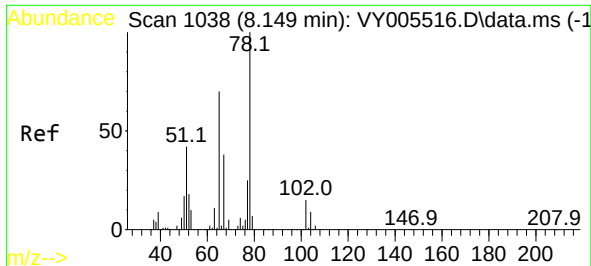
Tgt Ion:	84	Resp:	3975
Ion	Ratio	Lower	Upper
84	100		
49	133.0	105.8	158.6
51	35.2	33.4	50.2
86	56.6	54.2	81.4



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

Tgt Ion:	56	Resp:	3909
Ion	Ratio	Lower	Upper
56	100		
69	152.6	27.7	41.5#
84	117.7	70.9	106.3#

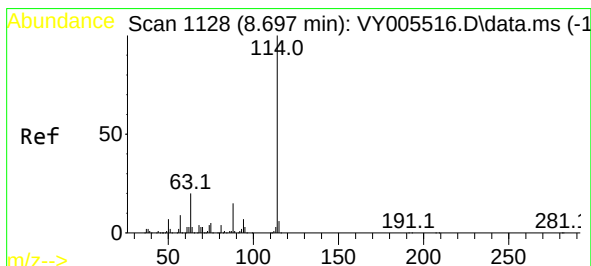
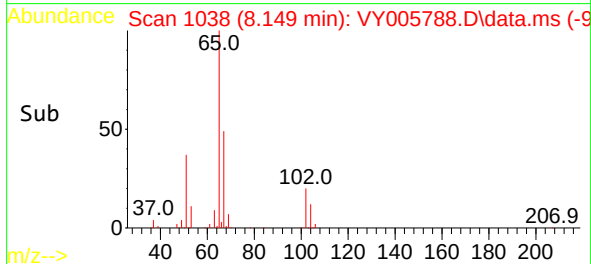
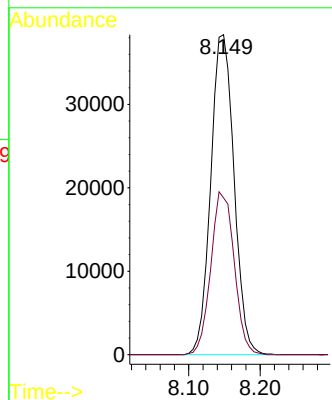
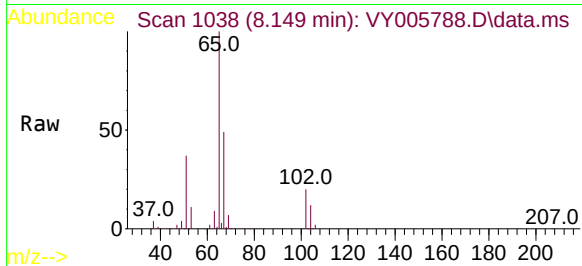




#33
 1,2-Dichloroethane-d4
 Concen: 44.084 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY005788.D
 Acq: 20 Aug 2021 13:22

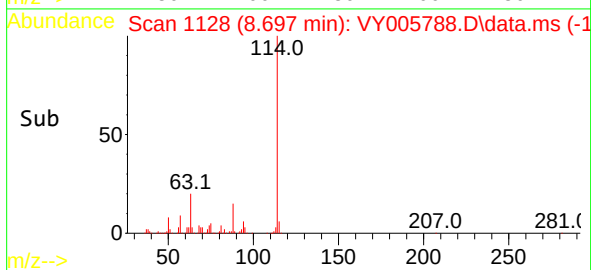
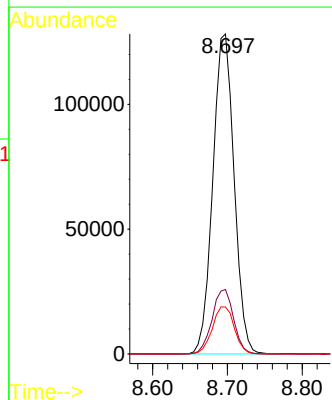
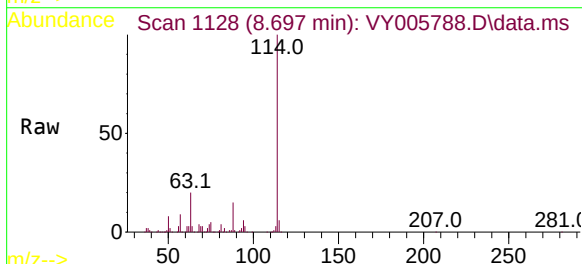
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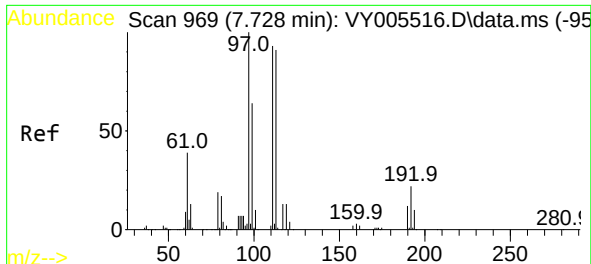
Tgt Ion: 65 Resp: 86813
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY005788.D
 Acq: 20 Aug 2021 13:22

Tgt Ion: 114 Resp: 253705
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 14.6 0.0 30.8

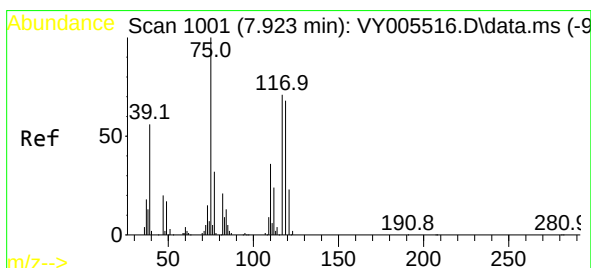
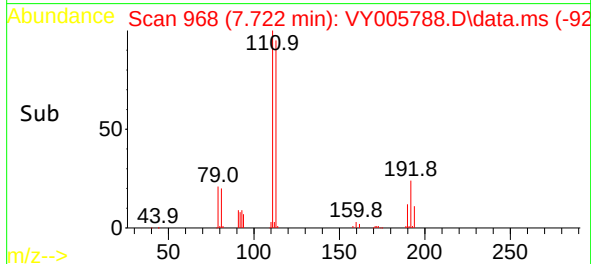
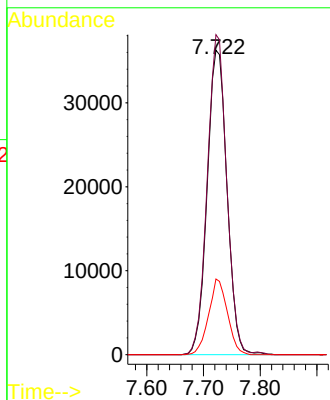
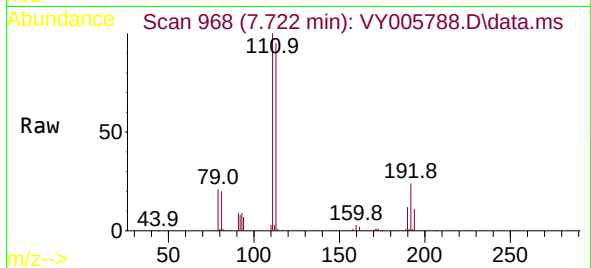




#35
Dibromofluoromethane
Concen: 62.074 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

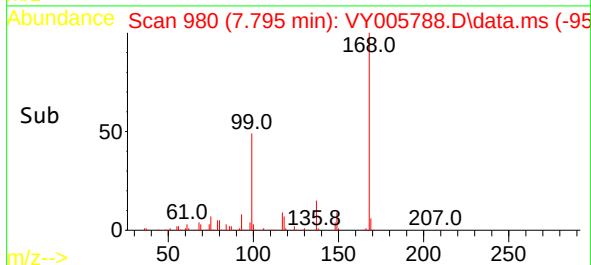
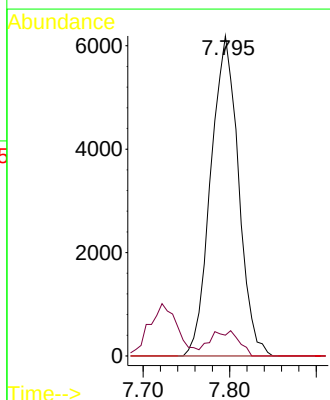
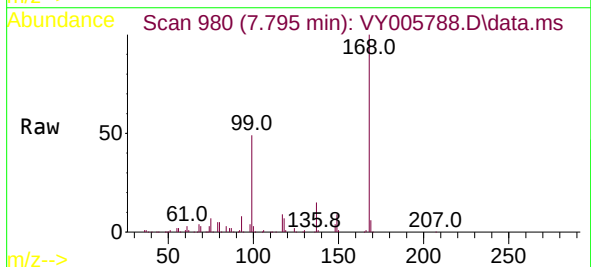
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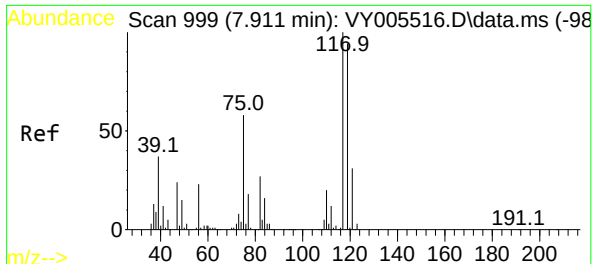
Tgt Ion:113 Resp: 88172
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 23.6 19.2 28.8



#36
1,1-Dichloropropene
Concen: 5.776 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

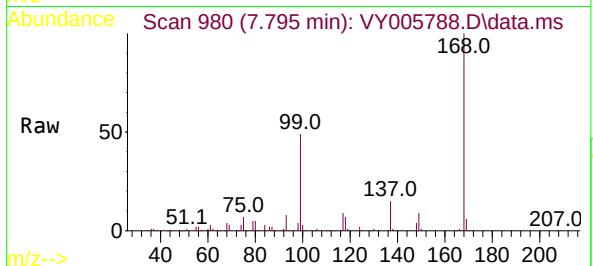
Tgt Ion: 75 Resp: 13744
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.1#
77 0.0 25.1 37.7#



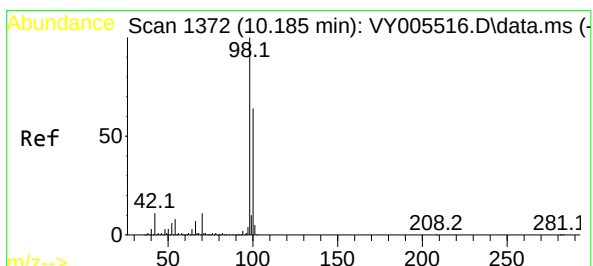
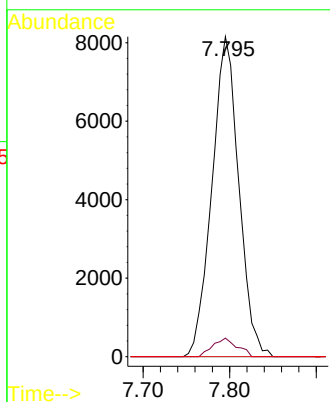
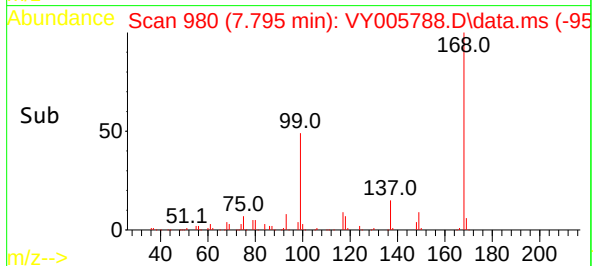


#38
Carbon Tetrachloride
Concen: 6.794 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

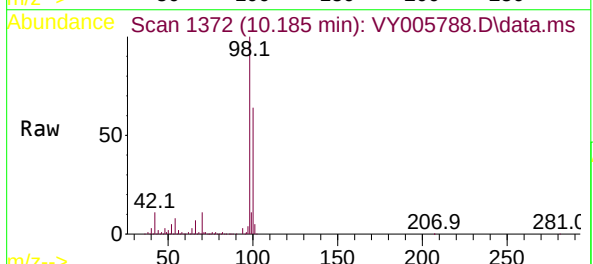
Instrument :
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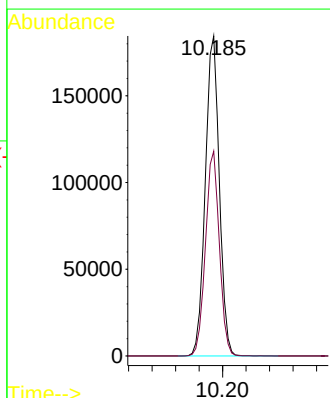
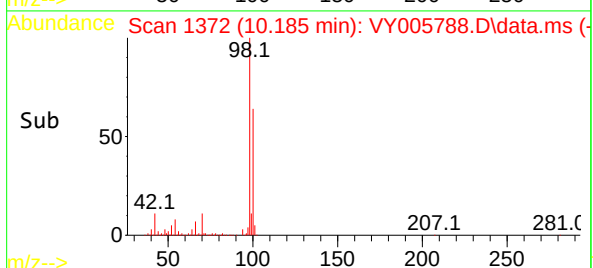
Tgt Ion:117 Resp: 17570
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.0#
121 0.0 25.1 37.7#

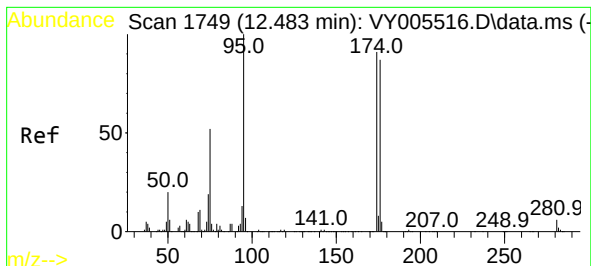


#50
Toluene-d8
Concen: 51.307 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22



Tgt Ion: 98 Resp: 305648
Ion Ratio Lower Upper
98 100
100 63.4 51.3 76.9

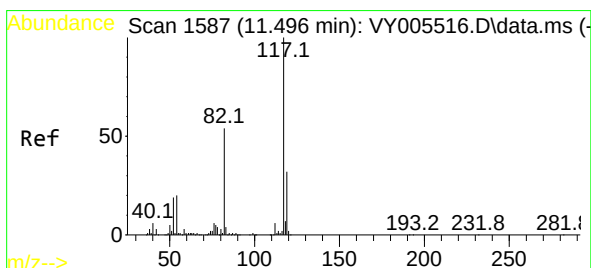
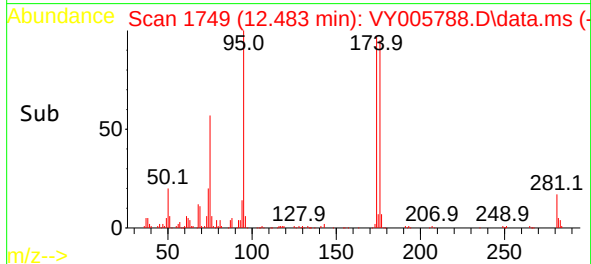
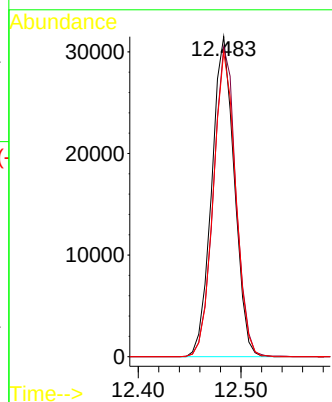
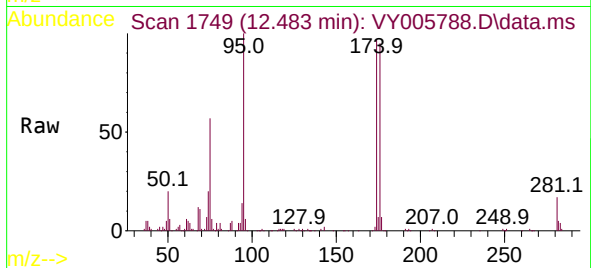




#62
4-Bromofluorobenzene
Concen: 24.302 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

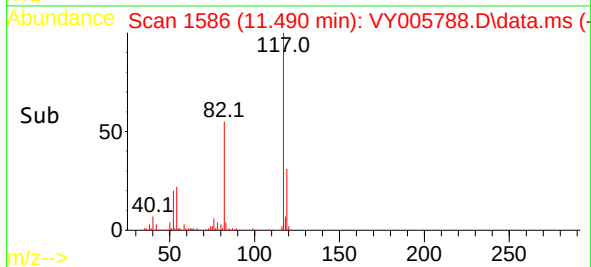
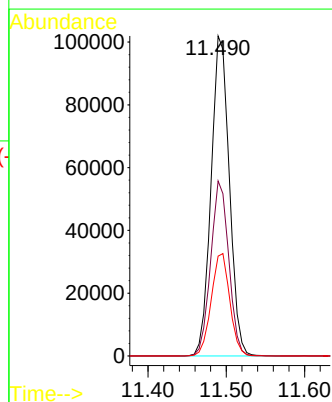
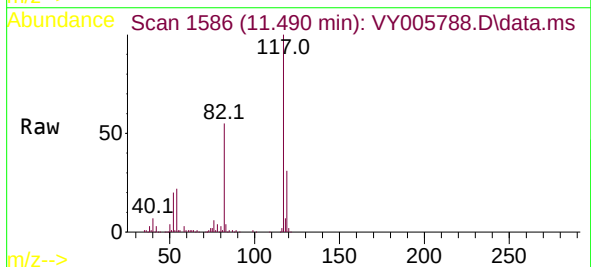
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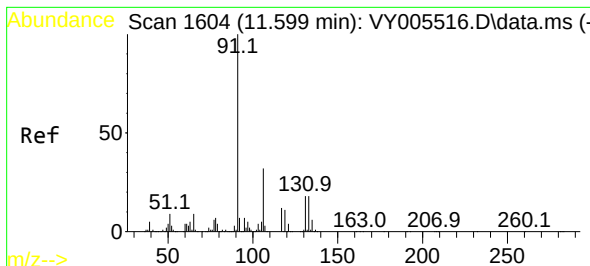
Tgt Ion:	95	Resp:	47941
Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	191.4
176	94.0	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

Tgt Ion:	117	Resp:	164674
Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.5	65.3
119	31.2	25.5	38.3

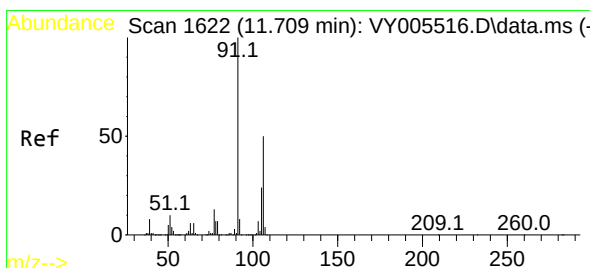
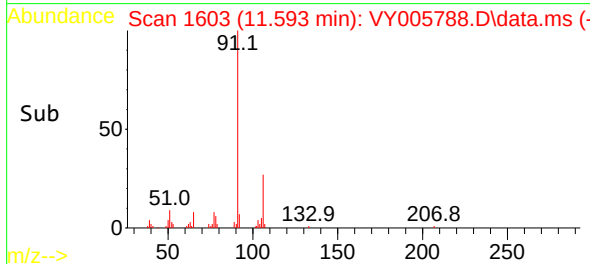
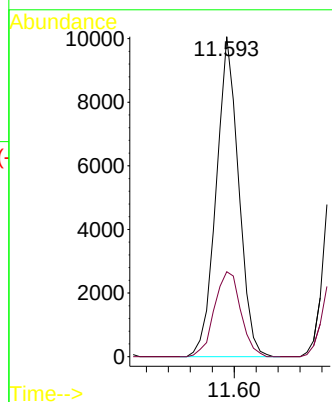
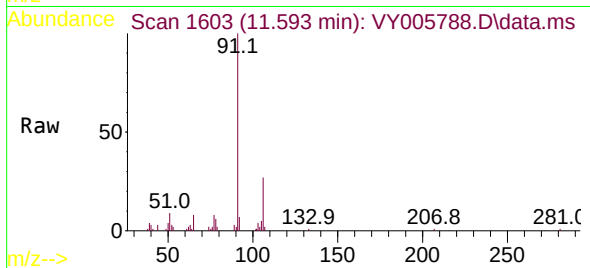




#67
Ethyl Benzene
Concen: 2.378 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

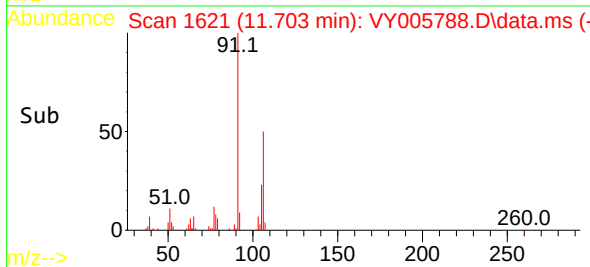
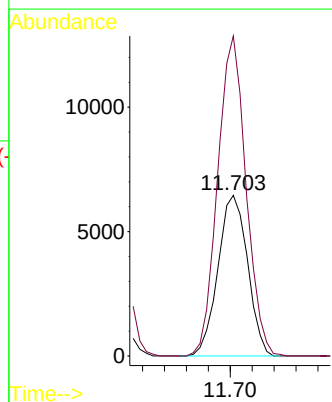
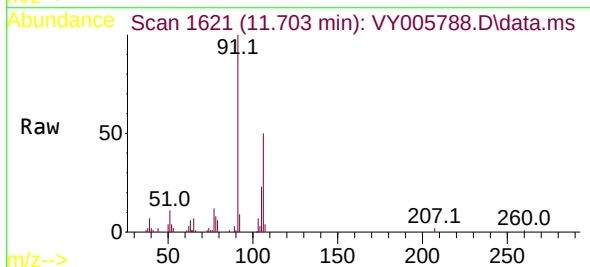
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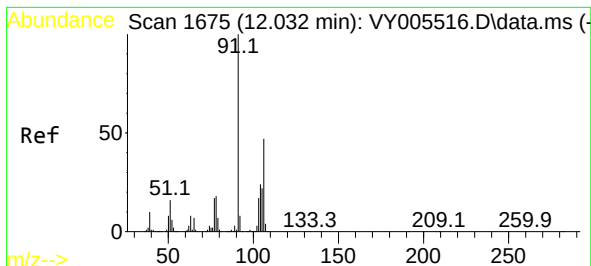
Tgt Ion: 91 Resp: 14290
Ion Ratio Lower Upper
91 100
106 26.5 25.8 38.6



#68
m/p-Xylenes
Concen: 5.186 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

Tgt Ion:106 Resp: 12104
Ion Ratio Lower Upper
106 100
91 190.9 159.6 239.4

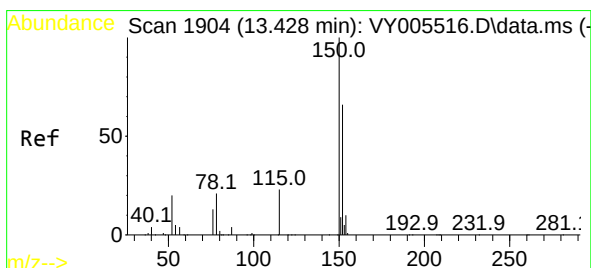
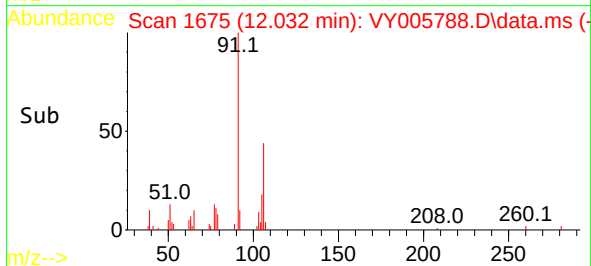
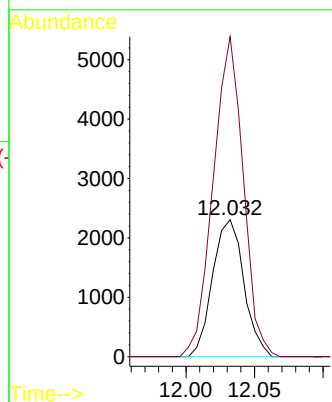
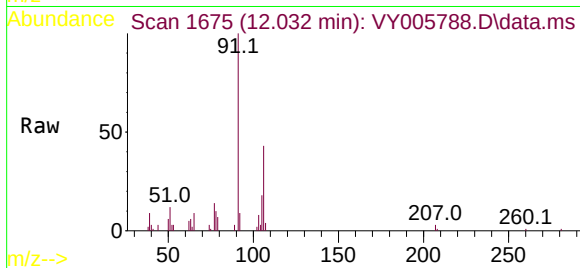




#69
o-Xylene
Concen: 1.632 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

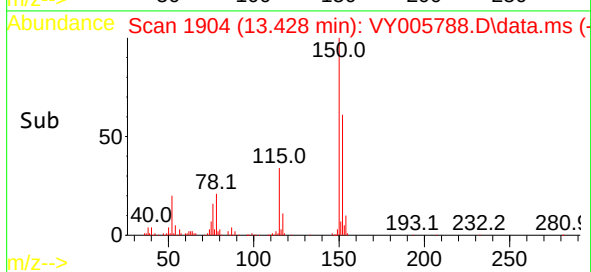
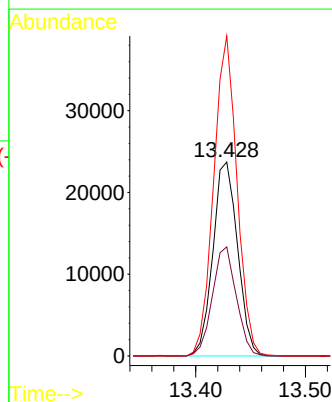
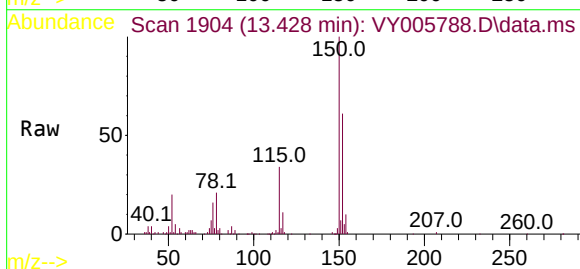
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-8-(309.00)-VOC-GRABRE

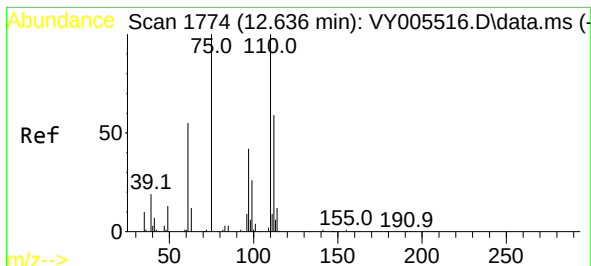
Tgt Ion:106 Resp: 3662
Ion Ratio Lower Upper
106 100
91 223.9 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

Tgt Ion:152 Resp: 37045
Ion Ratio Lower Upper
152 100
115 54.7 27.3 81.9
150 156.0 0.0 350.2

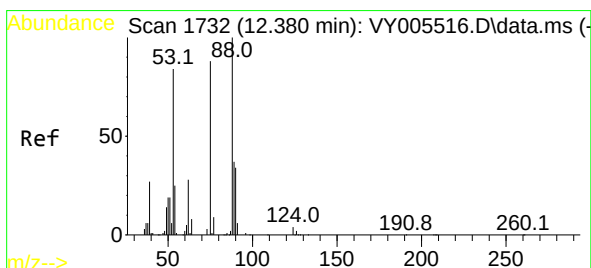
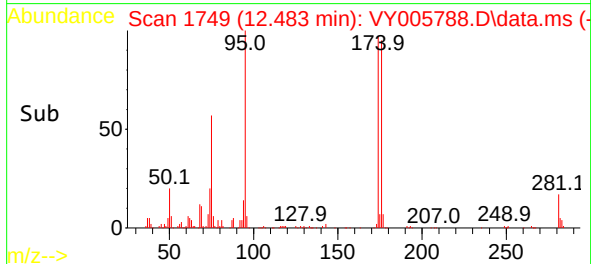
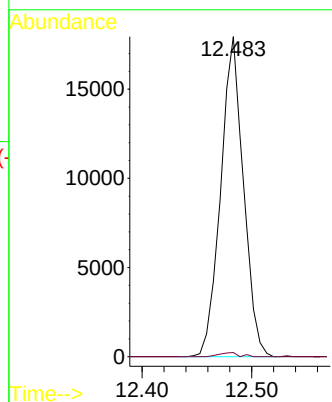
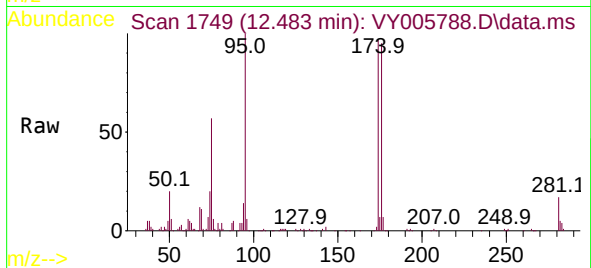




#76
1,2,3-Trichloropropane
Concen: 67.355 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

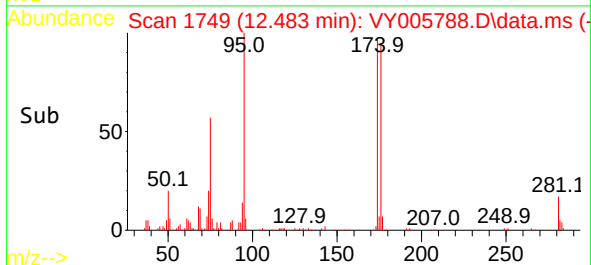
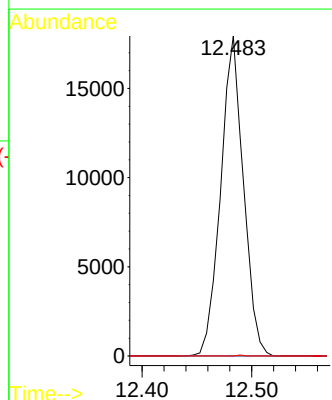
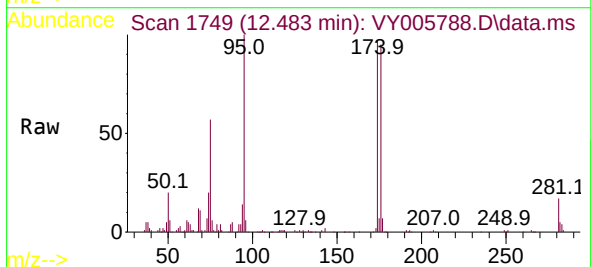
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-8-(309.00)-VOC-GRABRE

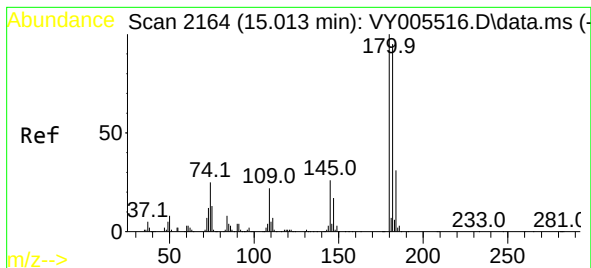
Tgt Ion: 75 Resp: 25857
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.778 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

Tgt Ion: 75 Resp: 25857
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.1 38.4 57.6#

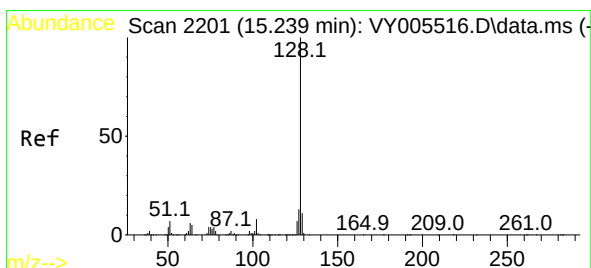
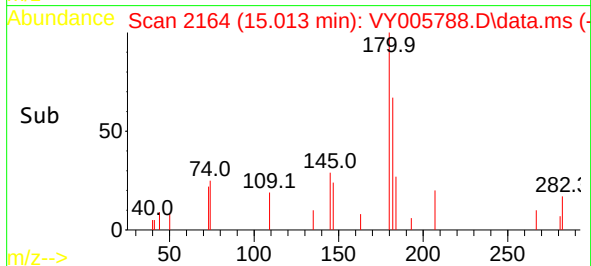
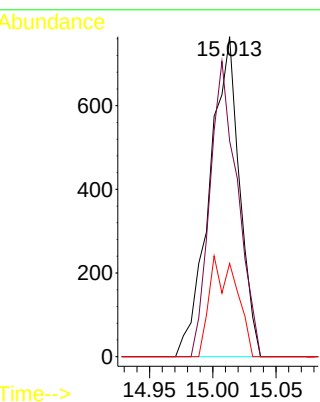
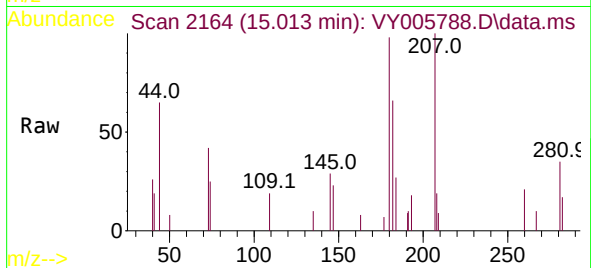




#93
1,2,4-Trichlorobenzene
Concen: 1.677 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

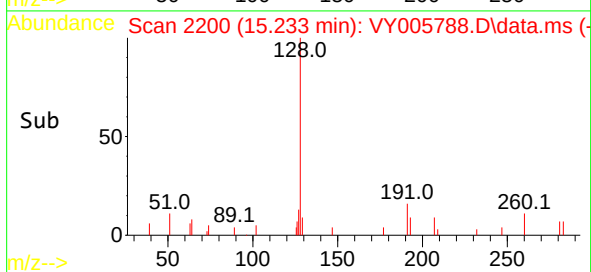
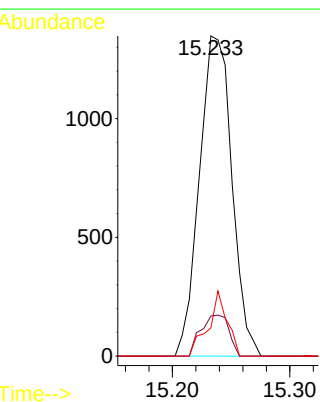
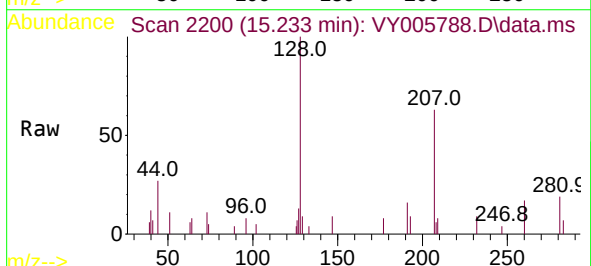
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-8-(309.00)-VOC-GRABRE

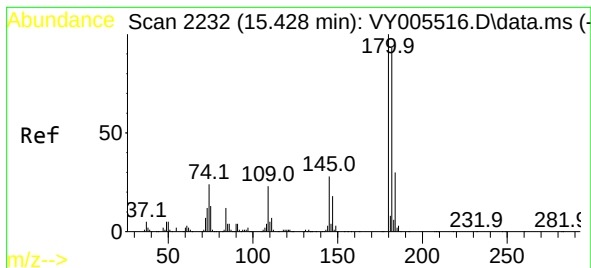
Tgt Ion:	180	Resp:	1261
Ion Ratio	Lower	Upper	
180	100		
182	84.5	47.8	143.4
145	28.1	14.0	42.0



#95
Naphthalene
Concen: 1.748 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005788.D
Acq: 20 Aug 2021 13:22

Tgt Ion:	128	Resp:	2592
Ion Ratio	Lower	Upper	
128	100		
127	11.0	10.6	15.8
129	11.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.820 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. -0.000 min
 Lab File: VY005788.D
 Acq: 20 Aug 2021 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAMPLE-8-(309.00)-VOC-GRABRE

Tgt Ion:180 Resp: 1213

Ion	Ratio	Lower	Upper
180	100		
182	102.4	47.9	143.6
145	25.8	14.6	44.0

