

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080521\
 Data File : VY005555.D
 Acq On : 05 Aug 2021 15:03
 Operator : SY/MD
 Sample : M3293-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 06 04:39:59 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)

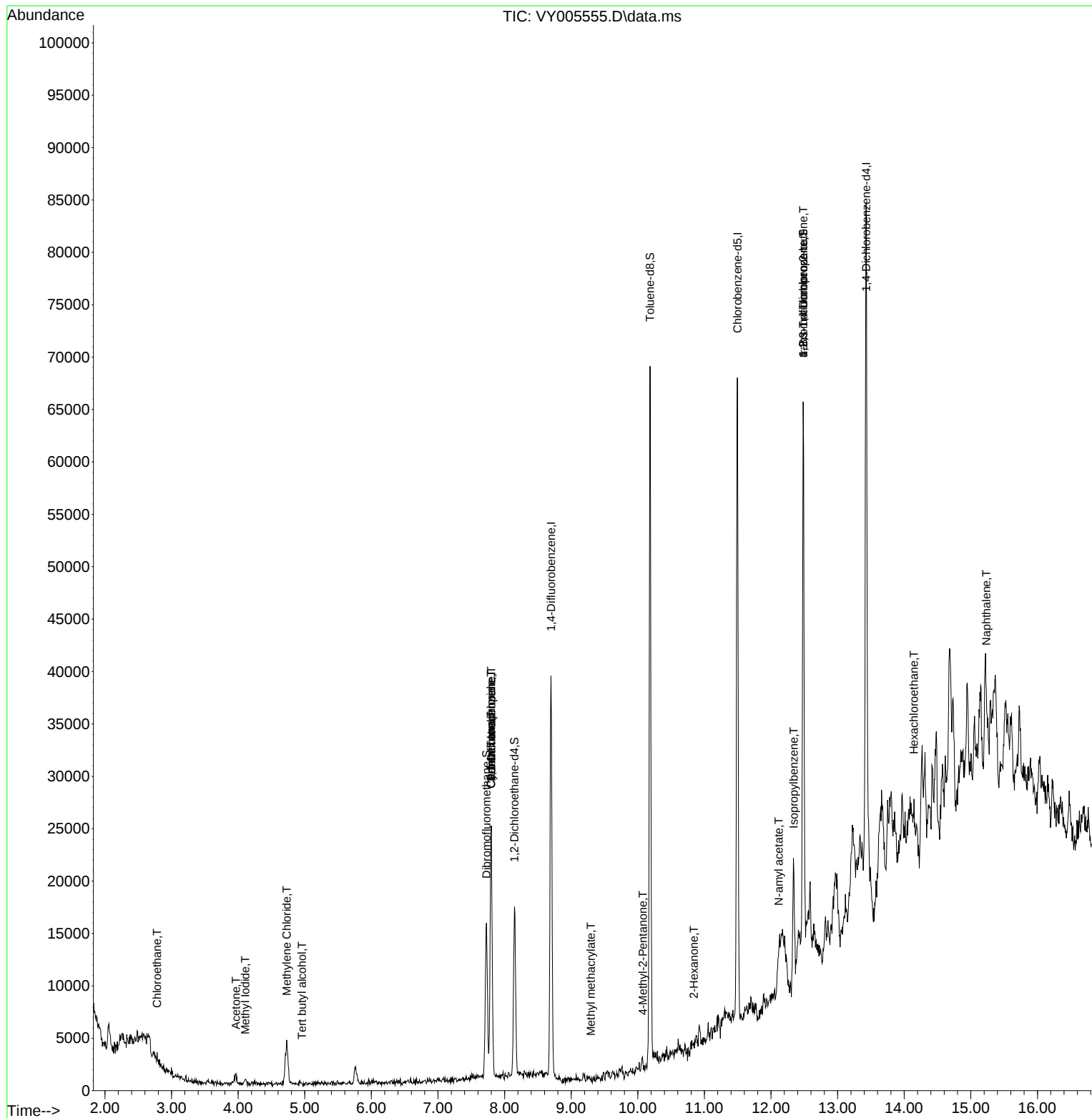
Internal Standards						
1) Pentafluorobenzene	7.801	168	19072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	32291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	33443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	13059	67.644	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.280%			
35) Dibromofluoromethane	7.728	113	9978	55.191	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.380%			
50) Toluene-d8	10.184	98	41066	54.161	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.320%			
62) 4-Bromofluorobenzene	12.483	95	14830	59.064	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.120%			
Target Compounds					Qvalue	
6) Chloroethane	2.783	64	208	1.537	ug/l #	42
10) Methyl Iodide	4.106	142	800	3.945	ug/l #	79
11) Tert butyl alcohol	4.960	59	20	1.048	ug/l #	73
16) Acetone	3.966	43	1451	29.810	ug/l #	86
20) Methylene Chloride	4.728	84	3100	11.384	ug/l #	86
31) Cyclohexane	7.795	56	377	1.138	ug/l #	60
36) 1,1-Dichloropropene	7.801	75	1383	4.566	ug/l #	42
38) Carbon Tetrachloride	7.795	117	1916	5.821	ug/l #	13
48) Methyl methacrylate	9.294	41	160	1.019	ug/l #	36
51) 4-Methyl-2-Pentanone	10.075	43	194	1.060	ug/l #	36
59) 2-Hexanone	10.843	43	175	1.353	ug/l #	40
73) Isopropylbenzene	12.343	105	1140	1.036	ug/l	81
74) N-amyl acetate	12.117	43	440	1.328	ug/l #	56
76) 1,2,3-Trichloropropane	12.483	75	7782	47.619	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7782	95.993	ug/l #	11
90) Hexachloroethane	14.147	117	224	1.227	ug/l	86
95) Naphthalene	15.232	128	2801	4.438	ug/l #	80

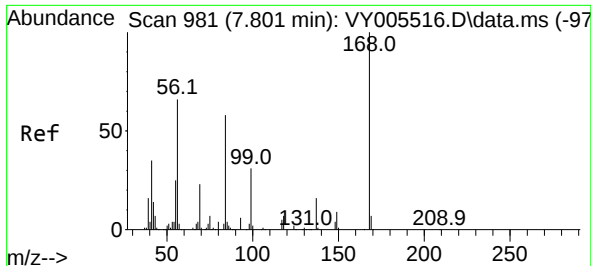
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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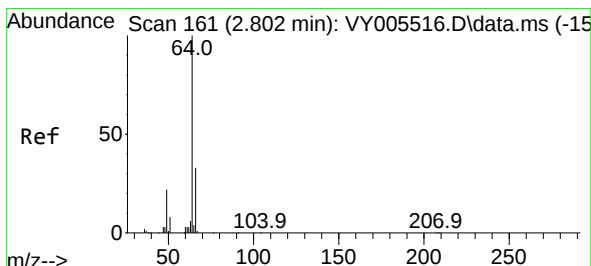
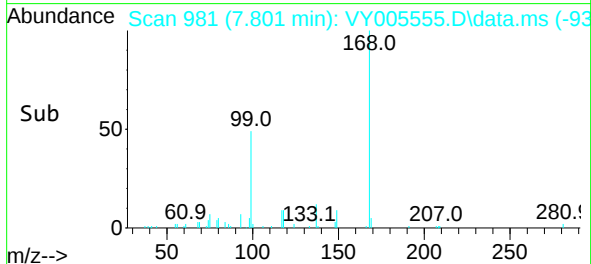
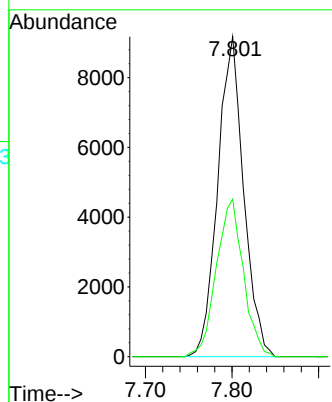
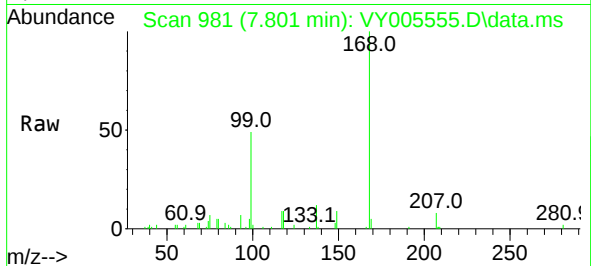




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

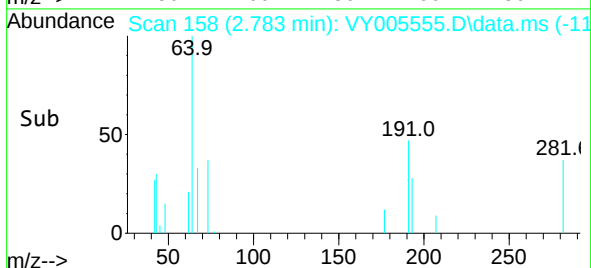
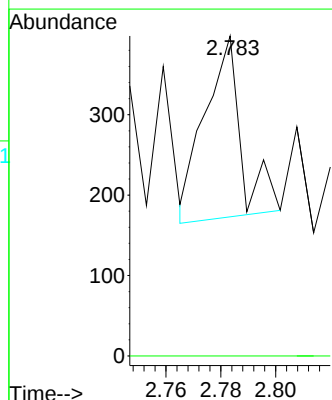
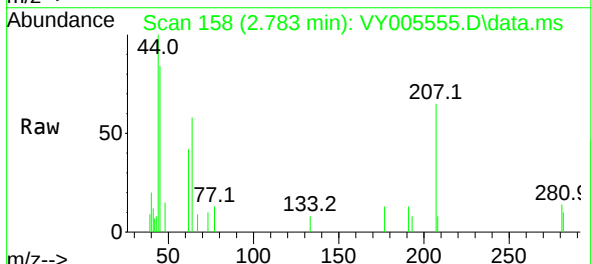
Instrument :
MSVOA_Y
ClientSampleId :

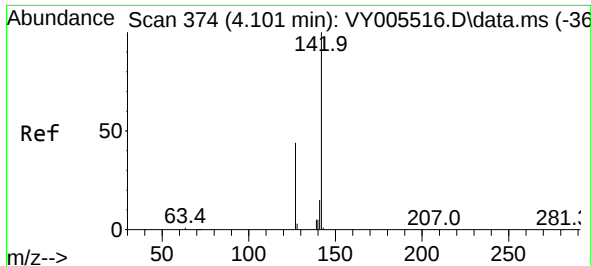
Tgt Ion:168 Resp: 19072
Ion Ratio Lower Upper
168 100
99 49.3 38.9 58.3



#6
Chloroethane
Concen: 1.537 ug/l
RT: 2.783 min Scan# 158
Delta R.T. -0.019 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Tgt Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#10

Methyl Iodide

Concen: 3.945 ug/l

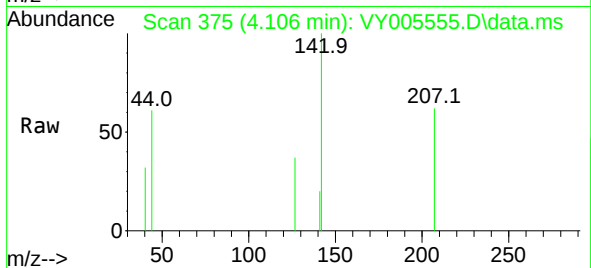
RT: 4.106 min Scan# 375

Delta R.T. 0.006 min

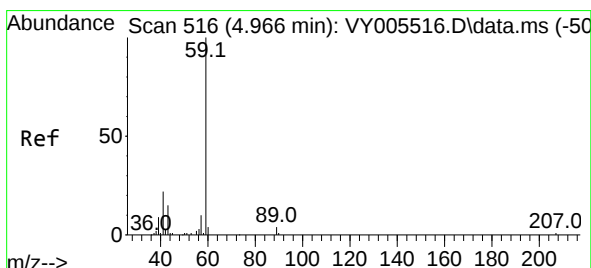
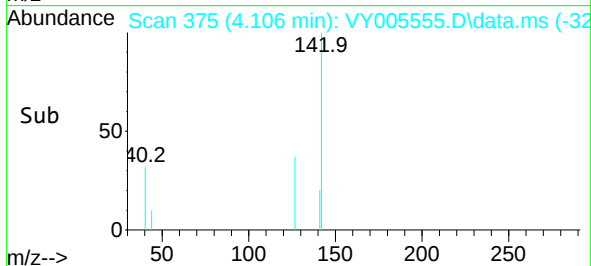
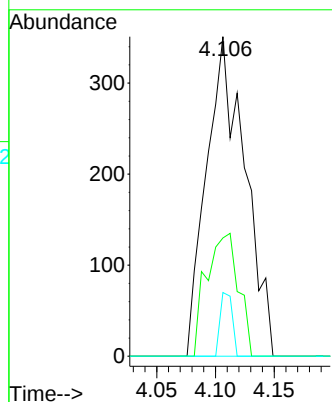
Lab File: VY005555.D

Acq: 05 Aug 2021 15:03

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion:	142	Resp:	800
Ion	Ratio	Lower	Upper
142	100		
127	32.0	36.6	54.8#
141	6.3	12.2	18.4#



#11

Tert butyl alcohol

Concen: 1.048 ug/l

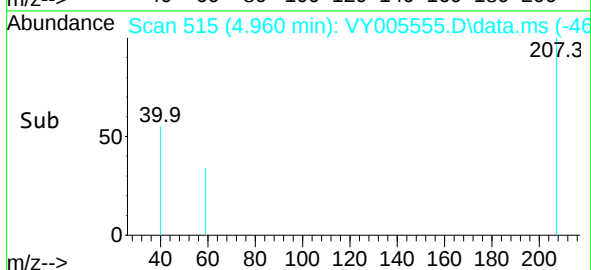
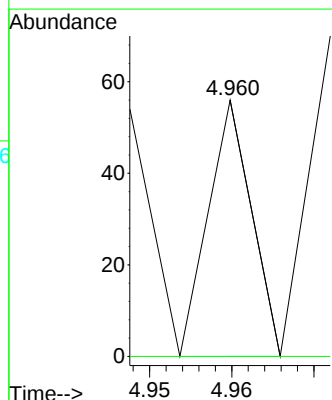
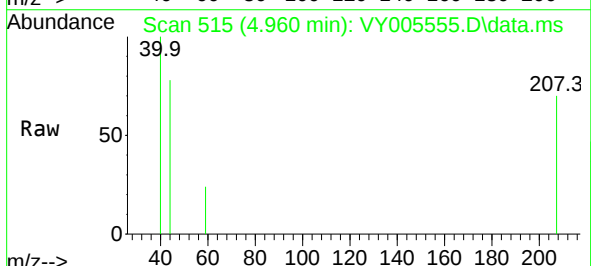
RT: 4.960 min Scan# 515

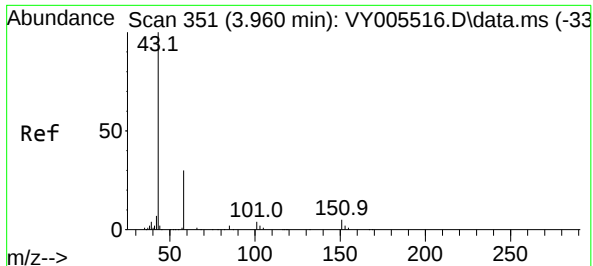
Delta R.T. -0.007 min

Lab File: VY005555.D

Acq: 05 Aug 2021 15:03

Tgt Ion:	59	Resp:	20
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

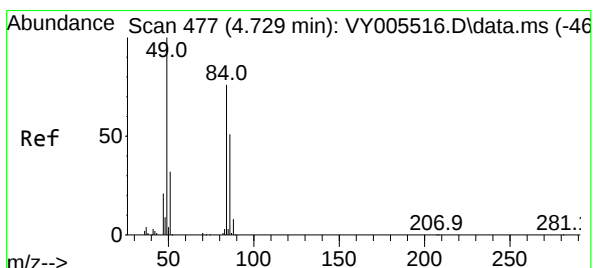
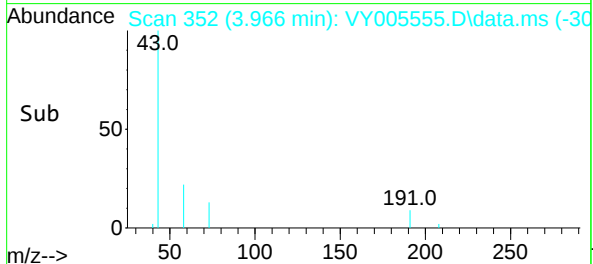
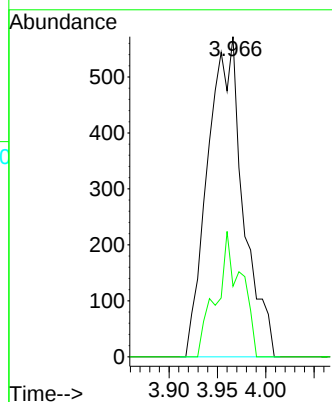
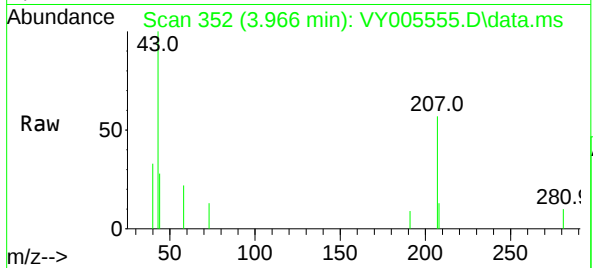




#16
Acetone
Concen: 29.810 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

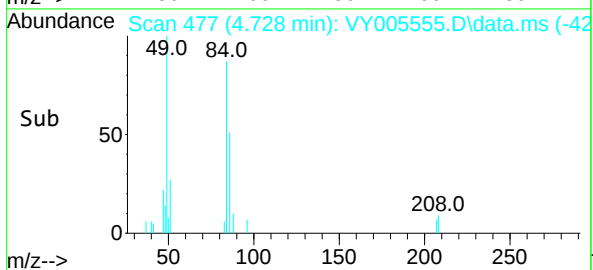
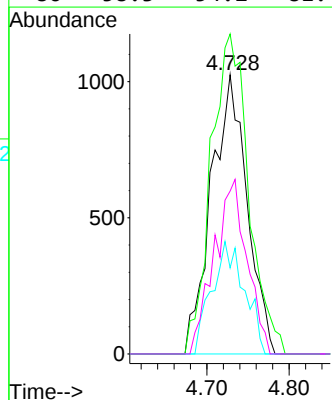
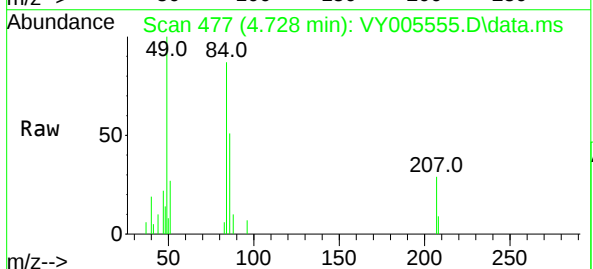
Instrument :
MSVOA_Y
ClientSampleId :

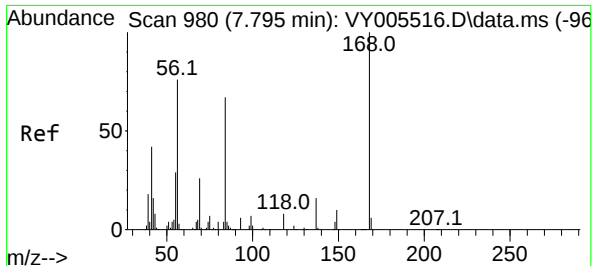
Tgt Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
58 22.0 23.8 35.6#



#20
Methylene Chloride
Concen: 11.384 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Tgt Ion: 84 Resp: 3100
Ion Ratio Lower Upper
84 100
49 114.6 105.8 158.6
51 30.8 33.4 50.2#
86 58.3 54.2 81.4

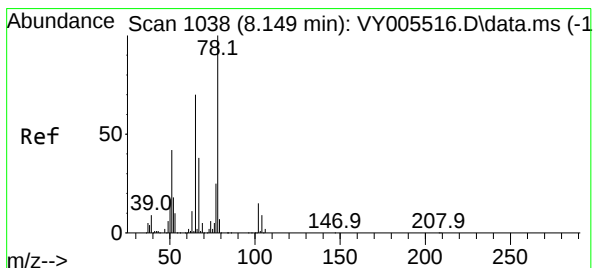
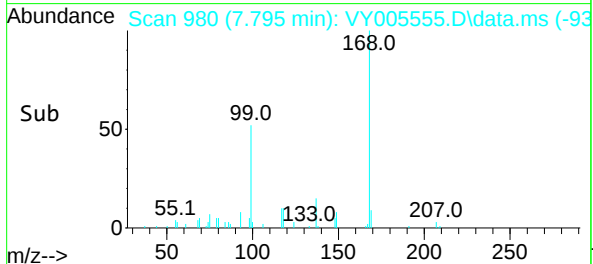
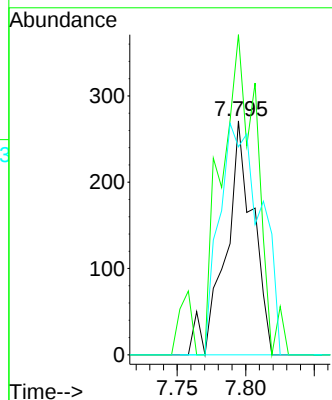
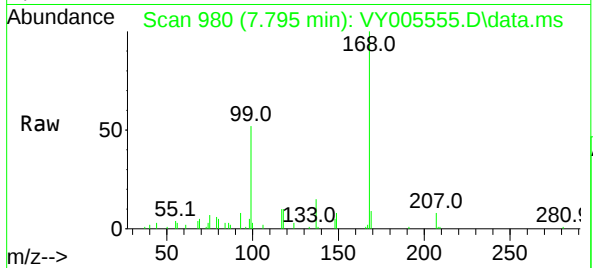




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

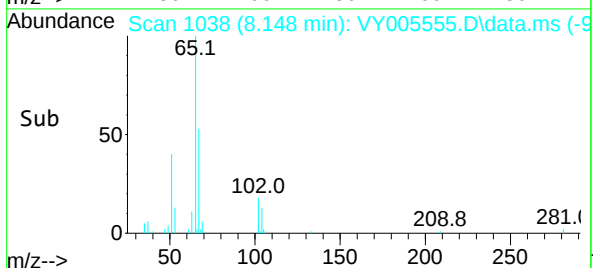
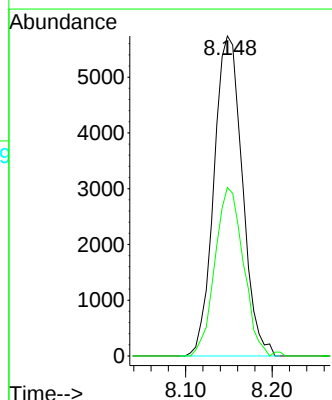
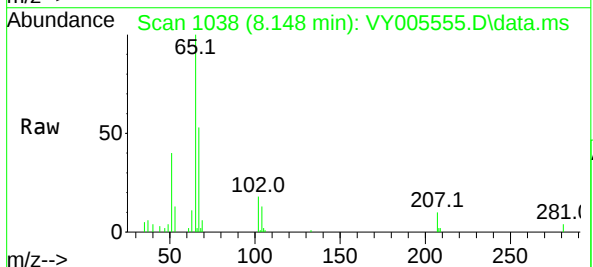
Instrument :
MSVOA_Y
ClientSampleId :

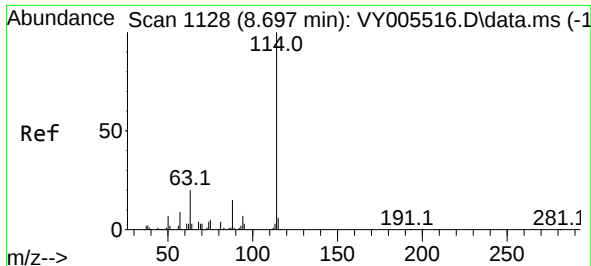
Tgt Ion: 56 Resp: 377
Ion Ratio Lower Upper
56 100
69 117.3 27.7 41.5#
84 88.9 70.9 106.3



#33
1,2-Dichloroethane-d4
Concen: 67.644 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Tgt Ion: 65 Resp: 13059
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.4

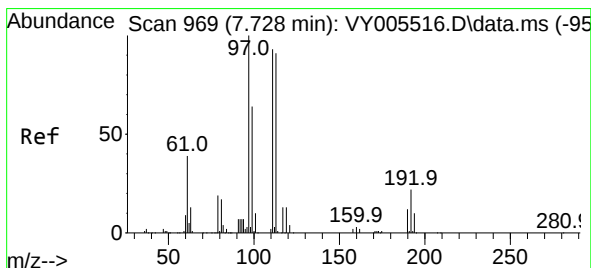
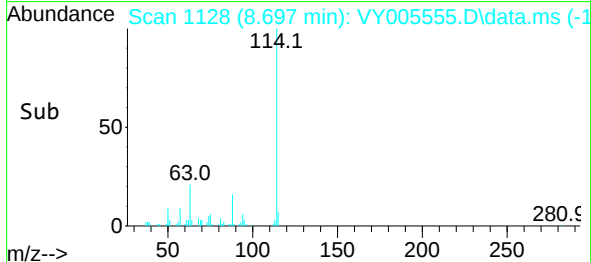
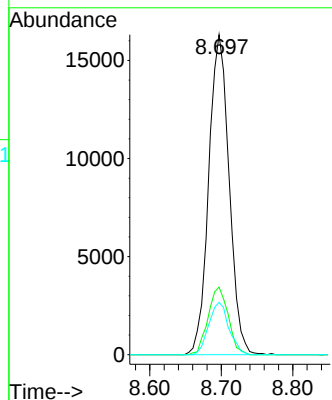
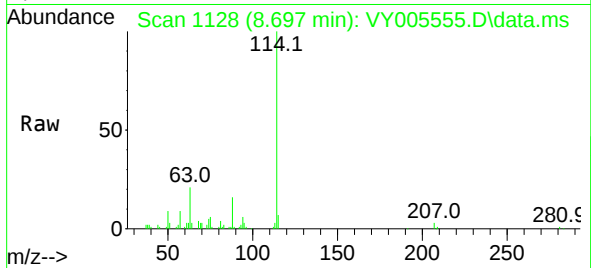




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

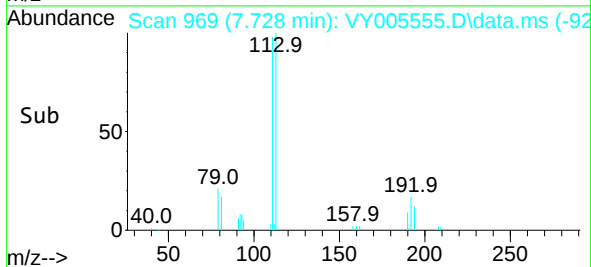
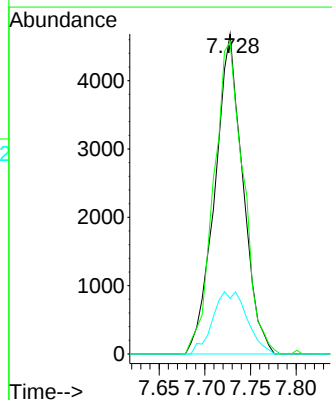
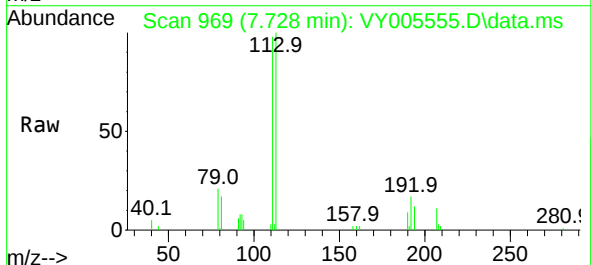
Instrument :
MSVOA_Y
ClientSampleId :

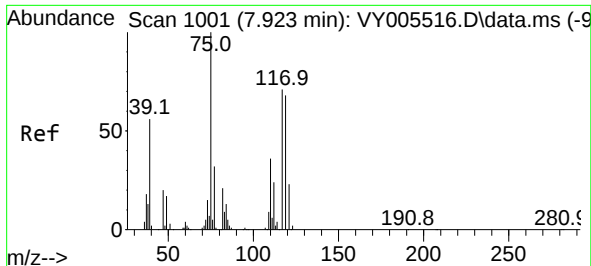
Tgt Ion:	114	Resp:	32291
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.2
88	16.3	0.0	30.8



#35
Dibromofluoromethane
Concen: 55.191 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Tgt Ion:	113	Resp:	9978
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	23.9	19.2	28.8





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 7.801 min Scan# 981

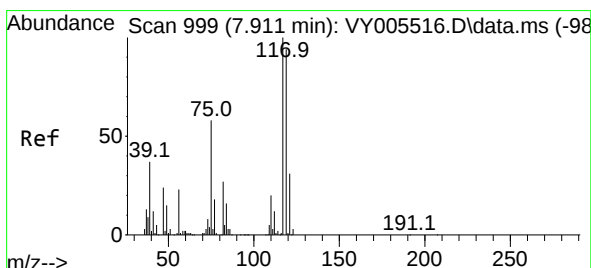
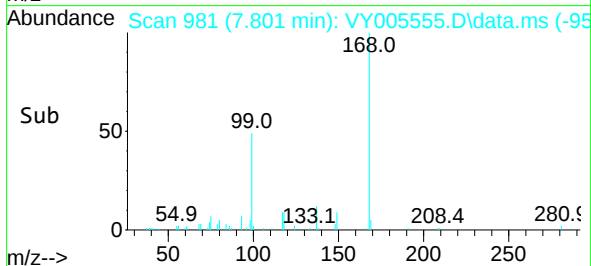
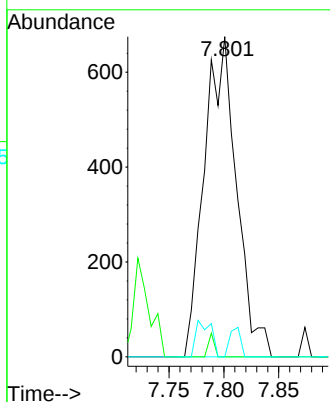
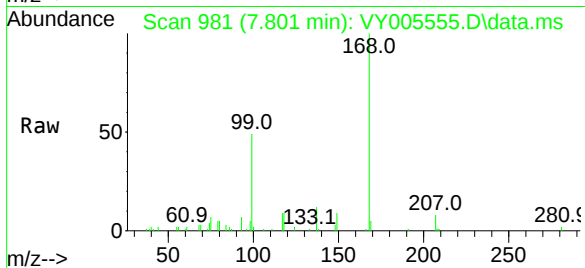
Delta R.T. -0.122 min

Lab File: VY005555.D

Acq: 05 Aug 2021 15:03

Tgt Ion:	75	Resp:	1383
Ion	Ratio	Lower	Upper
75	100		
110	1.3	18.1	54.1#
77	0.0	25.1	37.7#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.821 ug/l

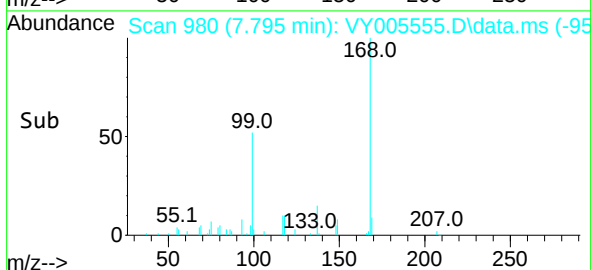
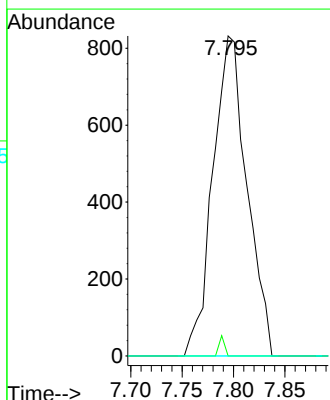
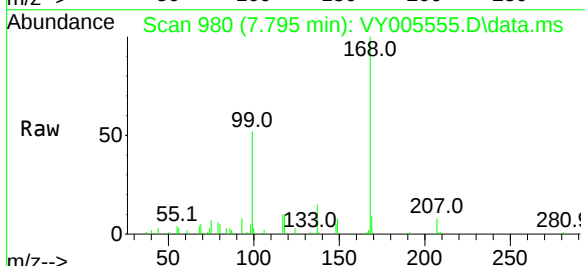
RT: 7.795 min Scan# 980

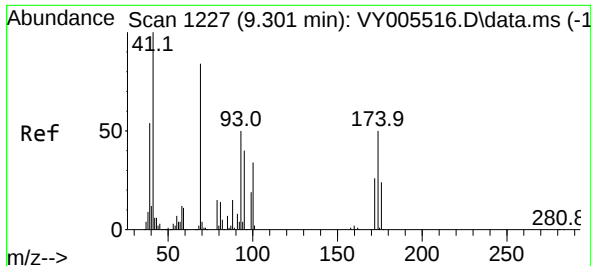
Delta R.T. -0.116 min

Lab File: VY005555.D

Acq: 05 Aug 2021 15:03

Tgt Ion:	117	Resp:	1916
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.4	113.0#
121	0.0	25.1	37.7#





#48

Methyl methacrylate

Concen: 1.019 ug/l

RT: 9.294 min Scan# 1226

Delta R.T. -0.007 min

Lab File: VY005555.D

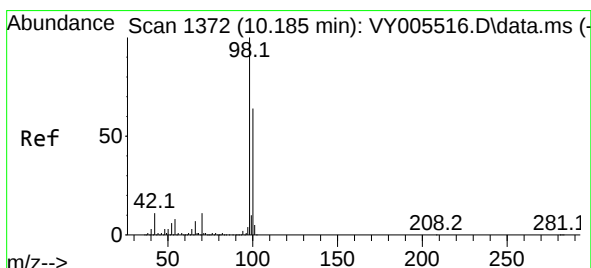
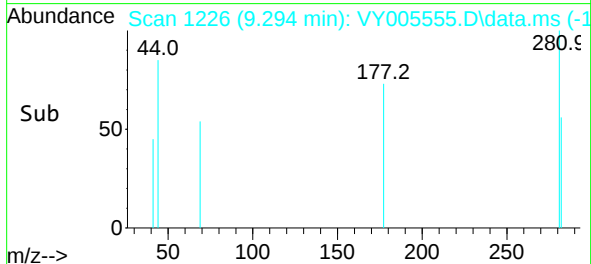
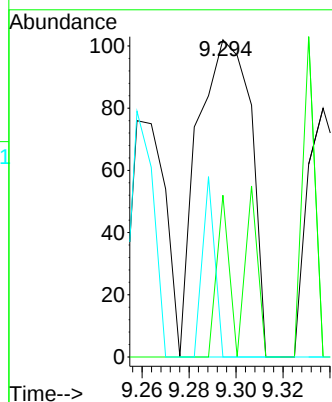
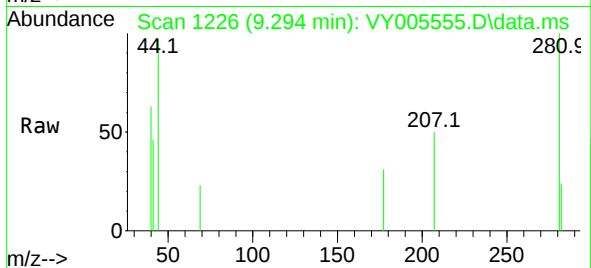
Acq: 05 Aug 2021 15:03

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 41	Resp: 160
Ion Ratio	Lower Upper
41 100	
69 24.4	69.0 103.4#
39 13.1	46.0 69.0#



#50

Toluene-d8

Concen: 54.161 ug/l

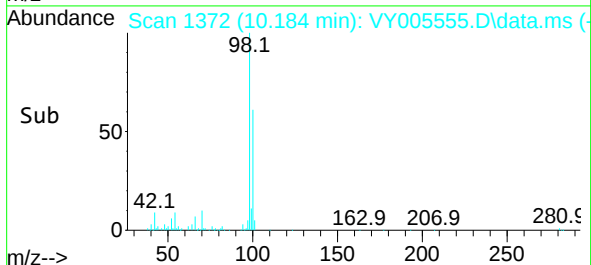
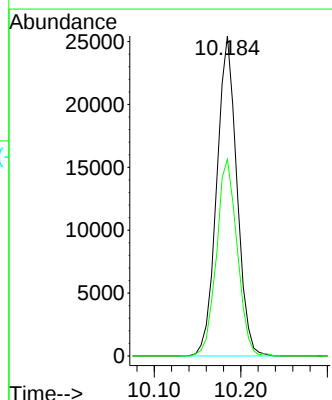
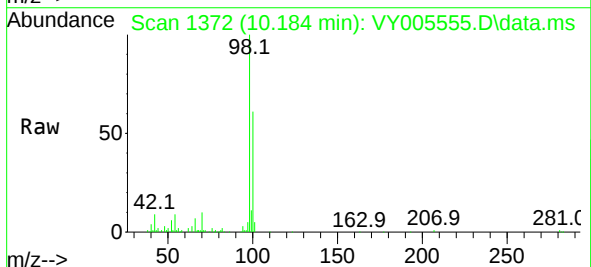
RT: 10.184 min Scan# 1372

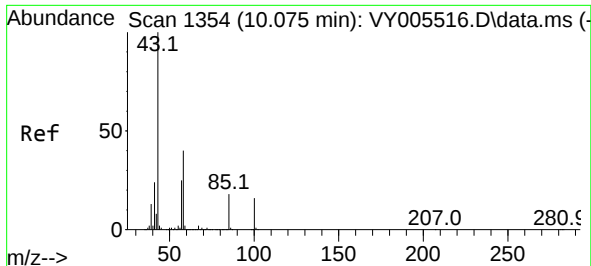
Delta R.T. -0.000 min

Lab File: VY005555.D

Acq: 05 Aug 2021 15:03

Tgt Ion: 98	Resp: 41066
Ion Ratio	Lower Upper
98 100	
100 63.1	51.3 76.9

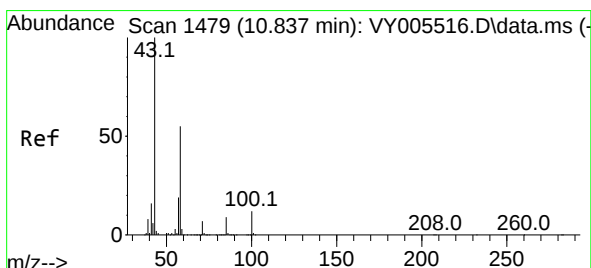
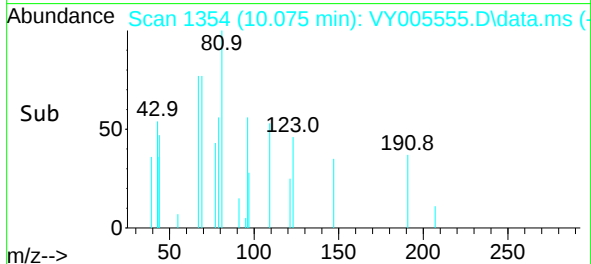
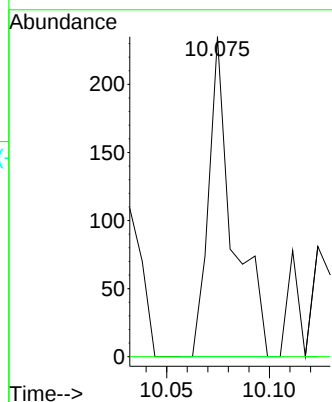
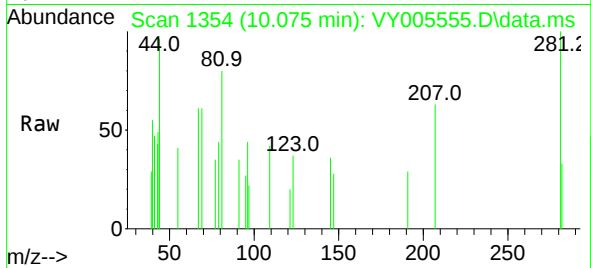




#51
4-Methyl-2-Pentanone
Concen: 1.060 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

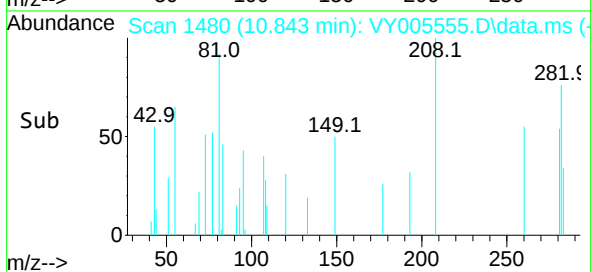
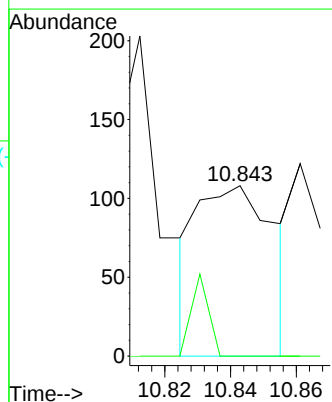
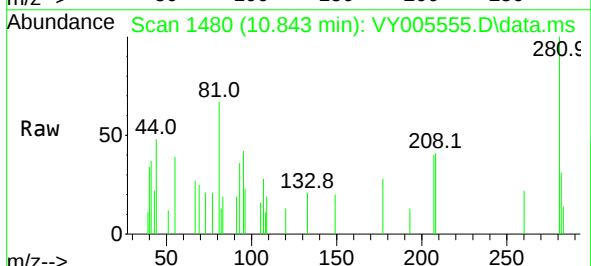
Instrument :
MSVOA_Y
ClientSampled :

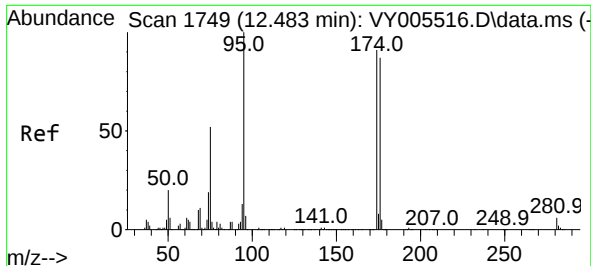
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
58 0.0 31.4 47.2#



#59
2-Hexanone
Concen: 1.353 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
58 10.9 27.1 81.2#

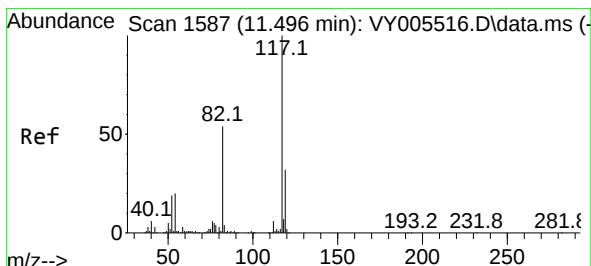
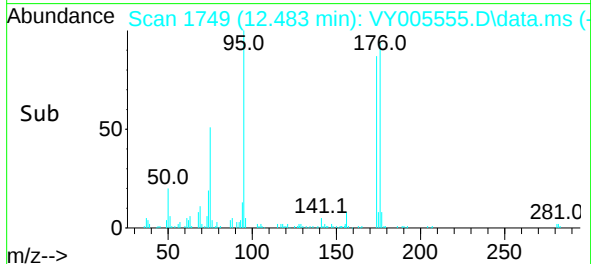
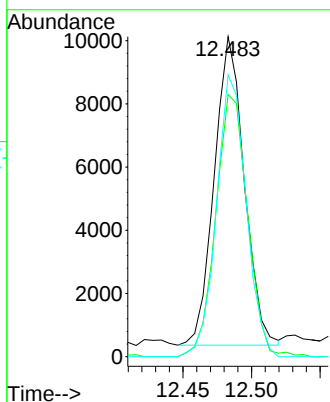
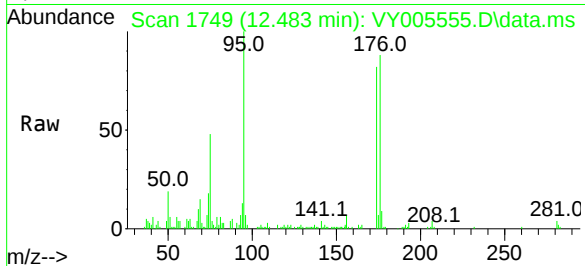




#62
4-Bromofluorobenzene
Concen: 59.064 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

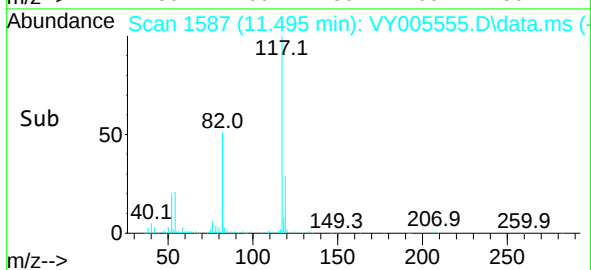
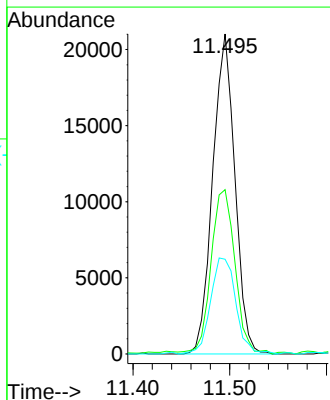
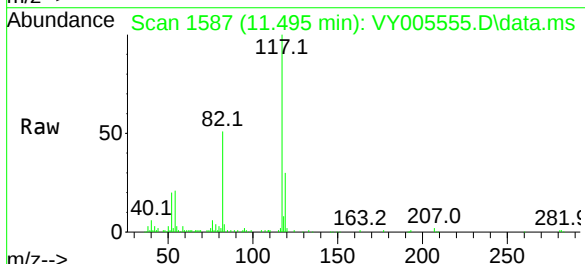
Instrument :
MSVOA_Y
ClientSampleId :

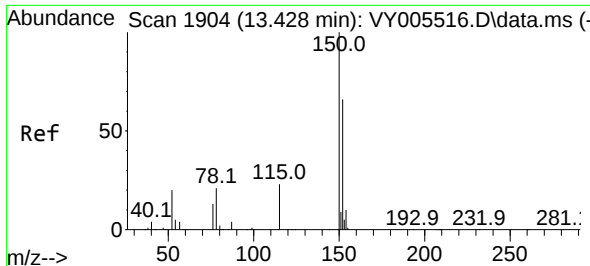
Tgt Ion:	95	Resp:	14830
Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	191.4
176	90.5	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Tgt Ion:	117	Resp:	33443
Ion	Ratio	Lower	Upper
117	100		
82	50.8	43.5	65.3
119	29.6	25.5	38.3

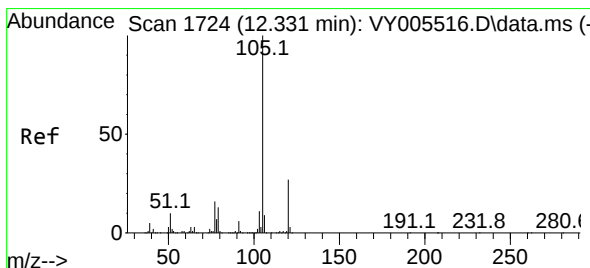
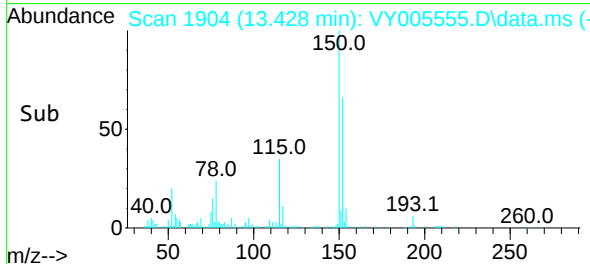
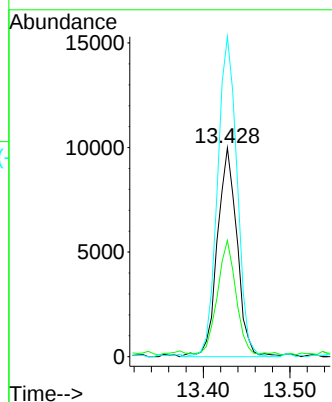
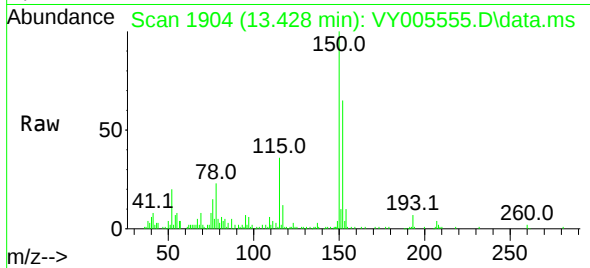




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

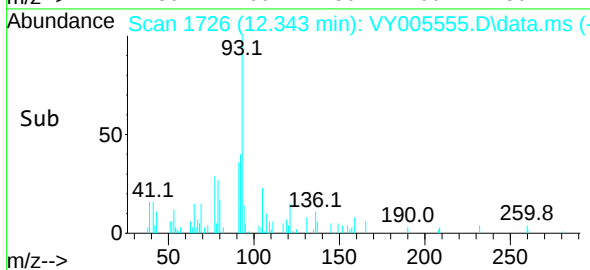
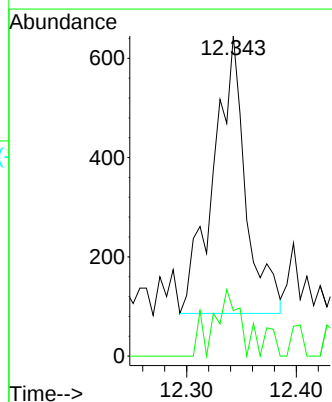
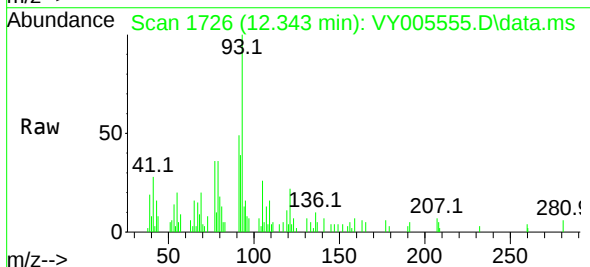
Instrument :
MSVOA_Y
ClientSampleId :

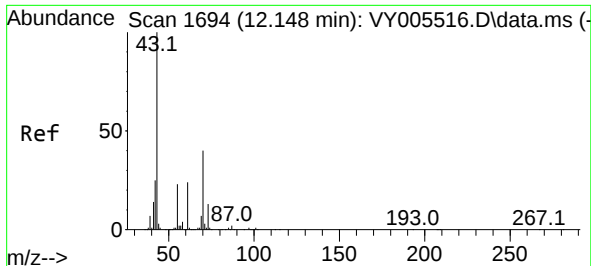
Tgt Ion:152 Resp: 15770
Ion Ratio Lower Upper
152 100
115 50.7 27.3 81.9
150 152.3 0.0 350.2



#73
Isopropylbenzene
Concen: 1.036 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.012 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Tgt Ion:105 Resp: 1140
Ion Ratio Lower Upper
105 100
120 17.4 13.7 41.1

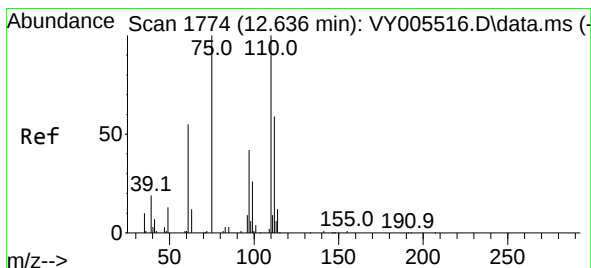
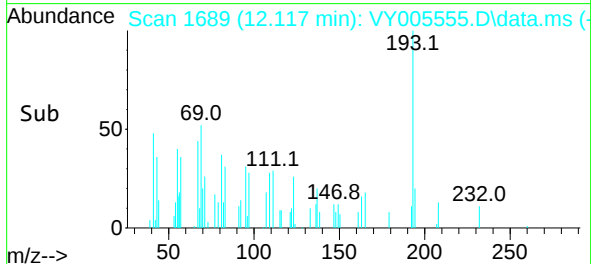
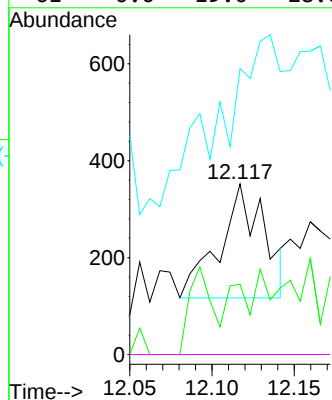
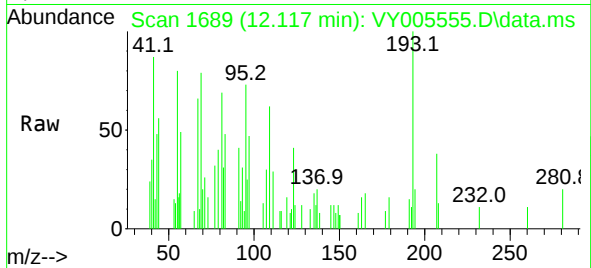




#74
N-amy1 acetate
Concen: 1.328 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.031 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

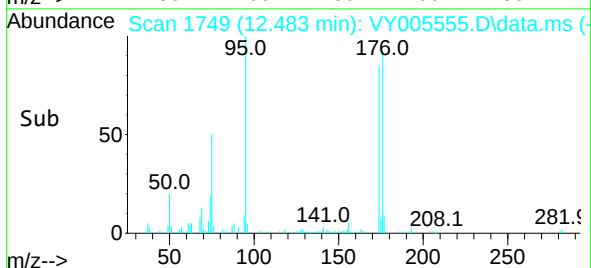
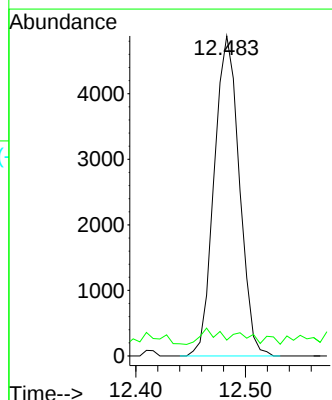
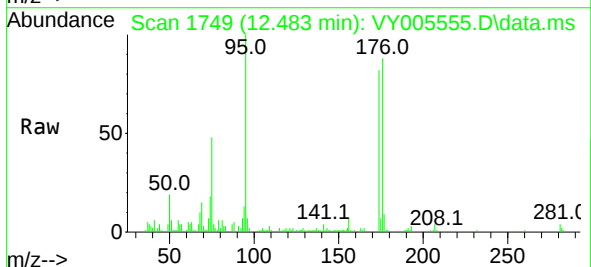
Instrument :
MSVOA_Y
ClientSampled :

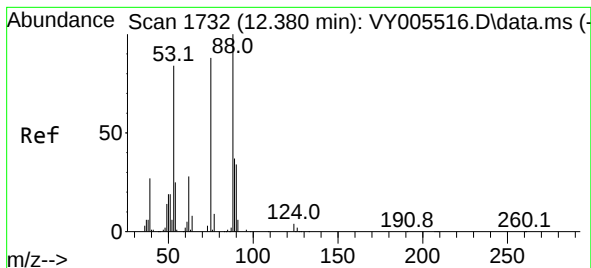
Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
70 16.4 32.9 49.3#
55 0.0 18.9 28.3#
61 0.0 19.0 28.6#



#76
1,2,3-Trichloropropane
Concen: 47.619 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

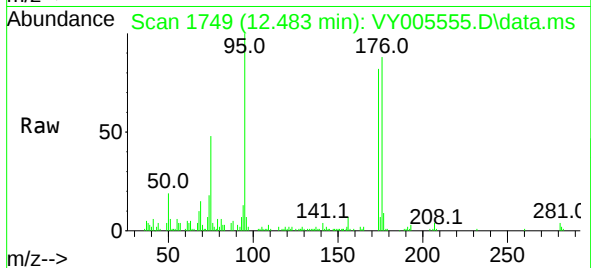
Tgt Ion: 75 Resp: 7782
Ion Ratio Lower Upper
75 100
77 3.6 0.0 0.0#



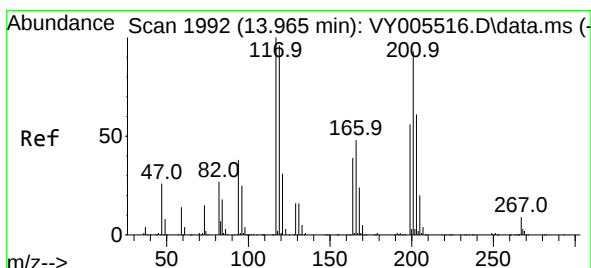
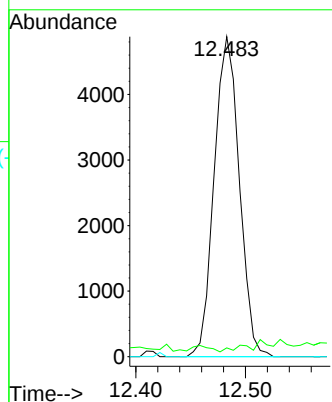
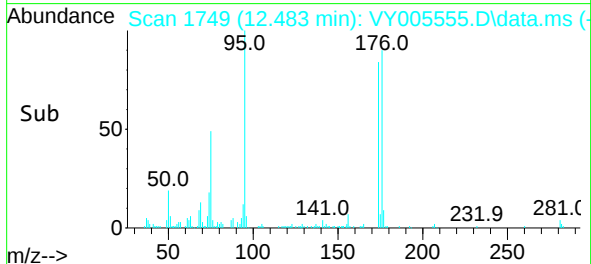


#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.993 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY005555.D
 Acq: 05 Aug 2021 15:03

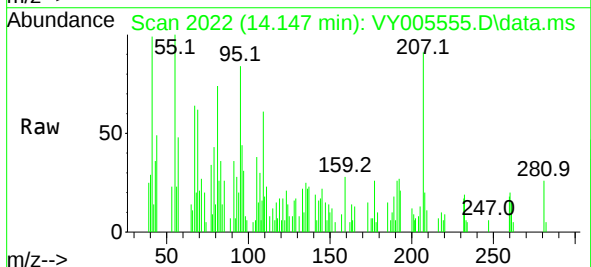
Instrument :
 MSVOA_Y
 ClientSampled :



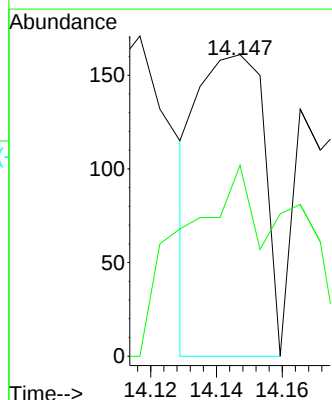
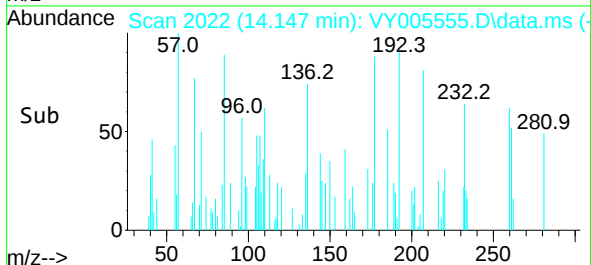
Tgt Ion: 75 Resp: 7782
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.7 115.1#
 89 0.0 38.4 57.6#

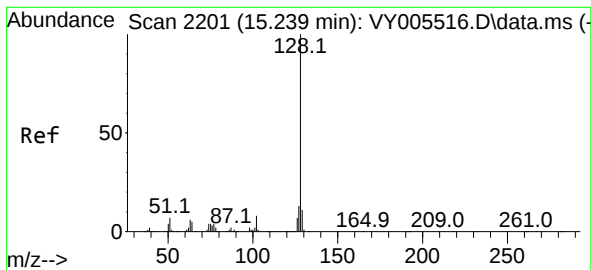


#90
 Hexachloroethane
 Concen: 1.227 ug/l
 RT: 14.147 min Scan# 2022
 Delta R.T. 0.182 min
 Lab File: VY005555.D
 Acq: 05 Aug 2021 15:03



Tgt Ion: 117 Resp: 224
 Ion Ratio Lower Upper
 117 100
 201 106.7 46.7 140.1





#95
Naphthalene
Concen: 4.438 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY005555.D
Acq: 05 Aug 2021 15:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	27.3	10.6	15.8#
129	10.3	8.7	13.1

