

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043021\
 Data File : VY004686.D
 Acq On : 30 Apr 2021 14:42
 Operator : SY/MD
 Sample : M2202-01RE
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 290RE

Quant Time: May 01 00:40:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

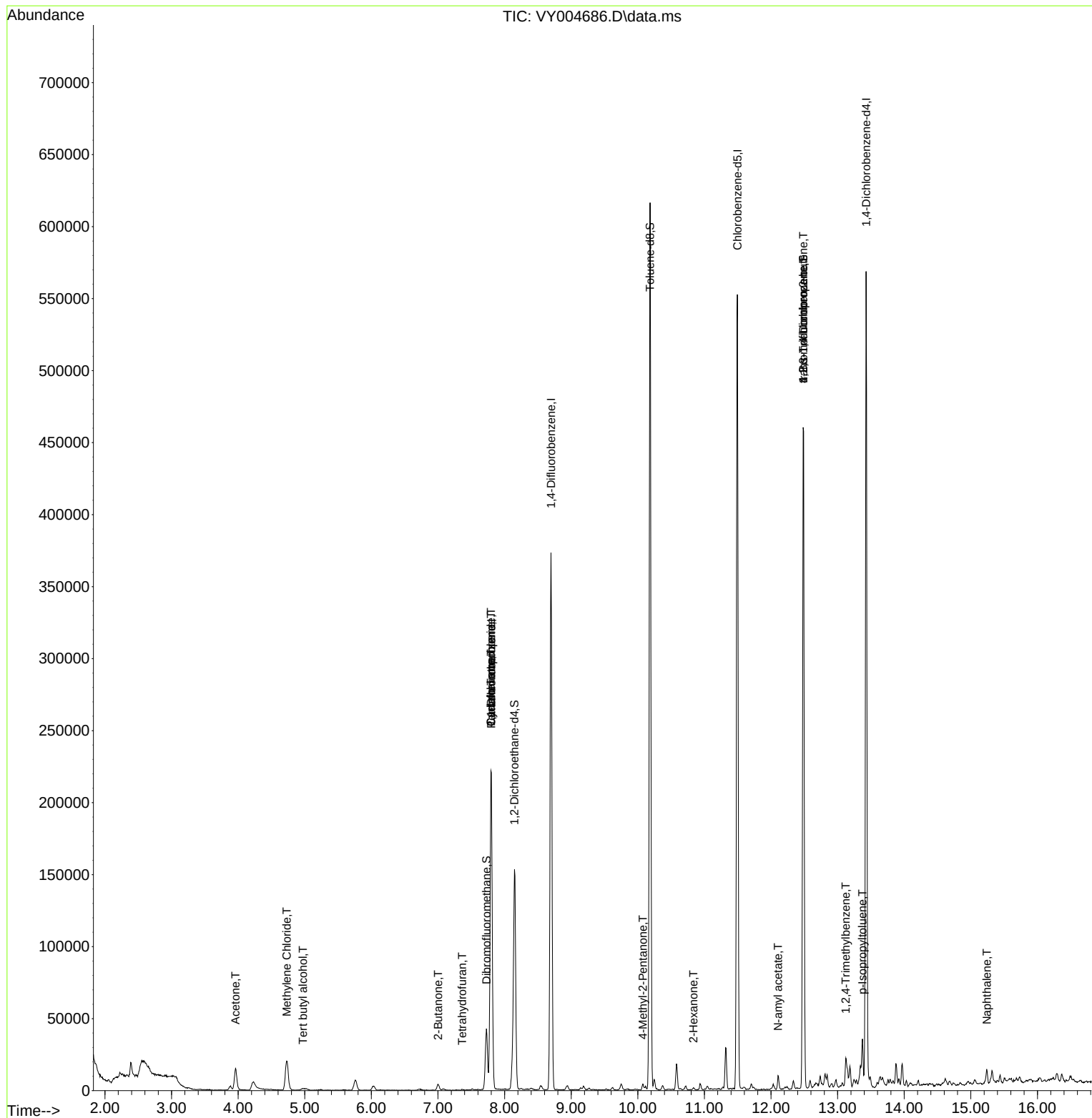
Internal Standards						
1) Pentafluorobenzene	7.801	168	163889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	299102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	286102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132102	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	114761	63.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	126.04%		
35) Dibromofluoromethane	7.728	113	27839	16.77	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	33.54%#		
50) Toluene-d8	10.185	98	369815	52.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.76%		
62) 4-Bromofluorobenzene	12.483	95	128777	53.75	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.50%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	2285	12.73	ug/l #	78
16) Acetone	3.960	43	25876	51.70	ug/l	96
20) Methylene Chloride	4.728	84	14590	8.30	ug/l	92
25) 2-Butanone	7.002	43	5894	8.50	ug/l	97
29) Tetrahydrofuran	7.362	42	519	1.05	ug/l #	50
31) Cyclohexane	7.795	56	4306	1.29	ug/l #	31
36) 1,1-Dichloropropene	7.795	75	14279	4.80	ug/l #	50
38) Carbon Tetrachloride	7.795	117	17223	6.70	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	3255	1.75	ug/l	93
59) 2-Hexanone	10.837	43	1307	1.05	ug/l	76
74) N-amyl acetate	12.105	43	5426	1.58	ug/l #	54
76) 1,2,3-Trichloropropane	12.483	75	72229	50.94	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72229	91.13	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	9905	1.18	ug/l	95
86) p-Isopropyltoluene	13.373	119	15981	1.77	ug/l	90
95) Naphthalene	15.239	128	7562	1.39	ug/l	98

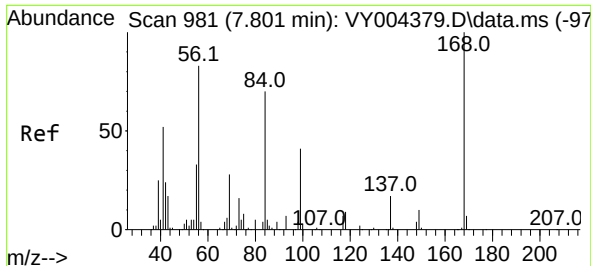
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 01 00:40:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration

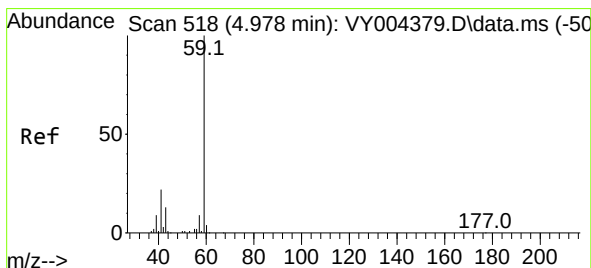
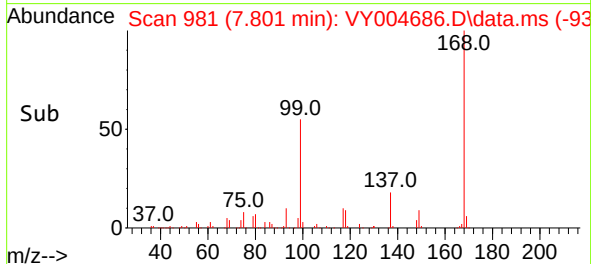
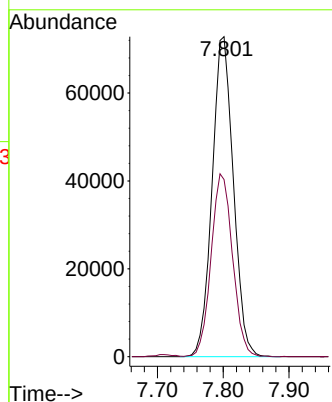
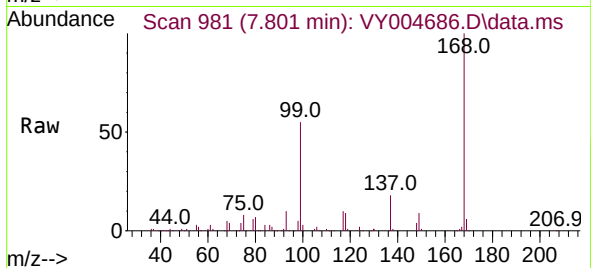




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

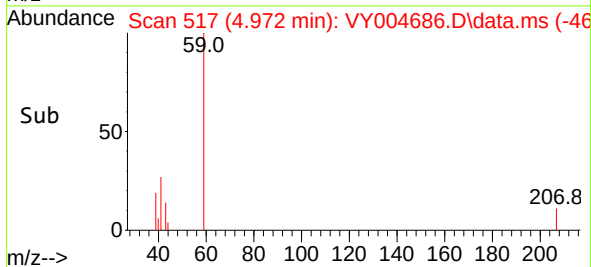
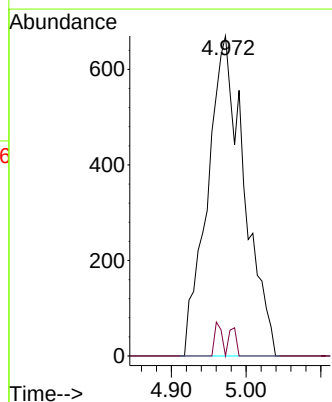
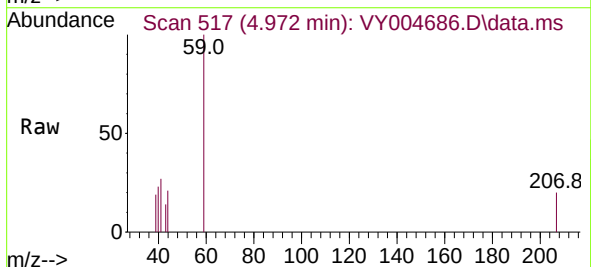
Instrument :
MSVOA_Y
ClientSampled :
290RE

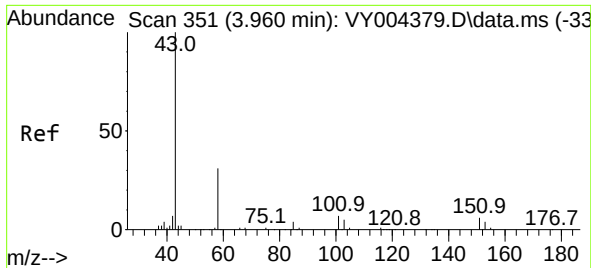
Tgt Ion:168 Resp: 163889
Ion Ratio Lower Upper
168 100
99 55.3 45.5 68.3



#11
Tert butyl alcohol
Concen: 12.73 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion: 59 Resp: 2285
Ion Ratio Lower Upper
59 100
57 1.8 8.1 12.1#

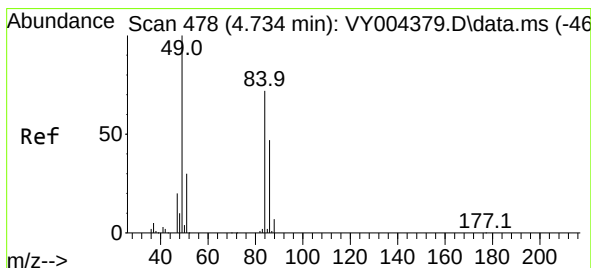
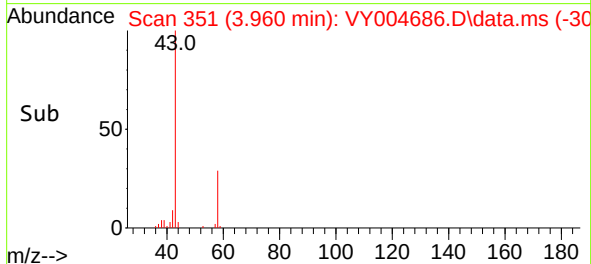
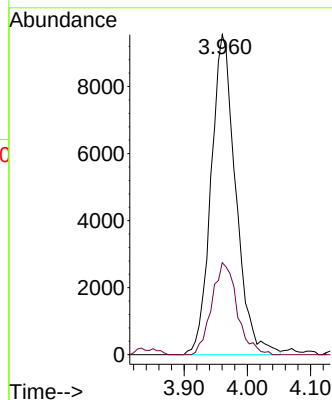
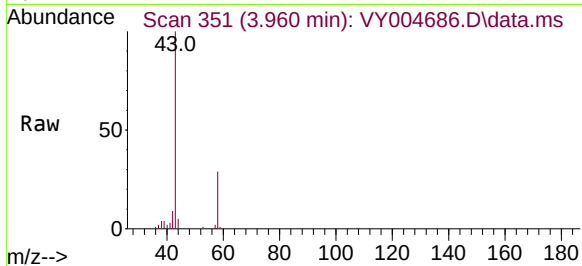




#16
Acetone
Concen: 51.70 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

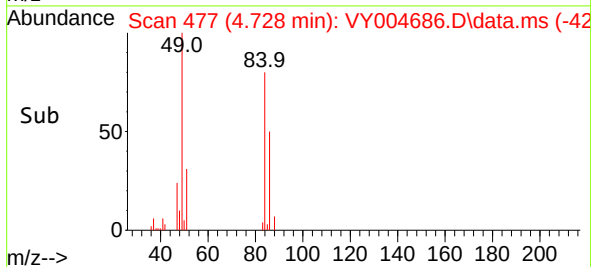
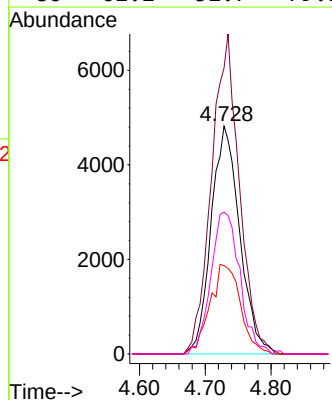
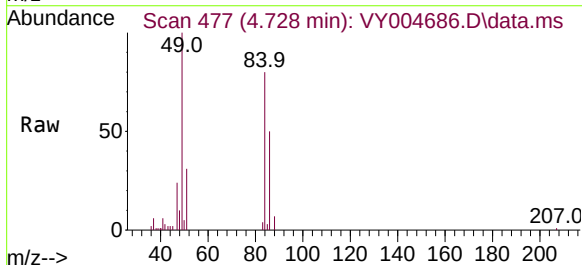
Instrument :
MSVOA_Y
ClientSampled :
290RE

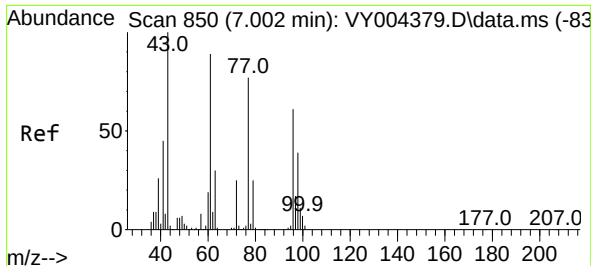
Tgt Ion: 43 Resp: 25876
Ion Ratio Lower Upper
43 100
58 28.8 24.6 37.0



#20
Methylene Chloride
Concen: 8.30 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion: 84 Resp: 14590
Ion Ratio Lower Upper
84 100
49 125.5 111.2 166.8
51 38.7 33.4 50.2
86 62.2 52.7 79.1

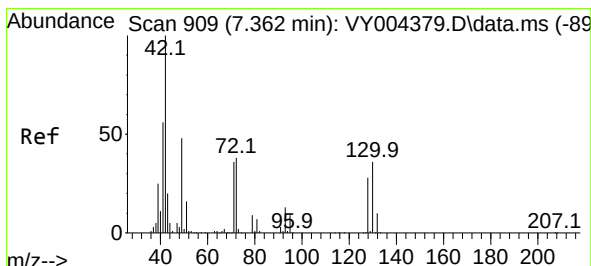
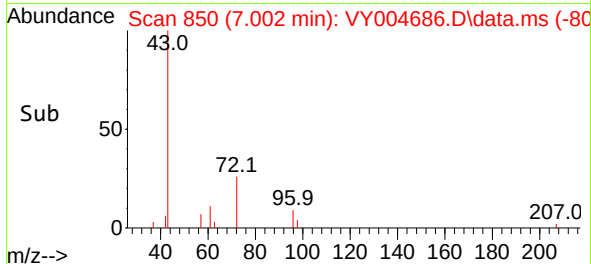
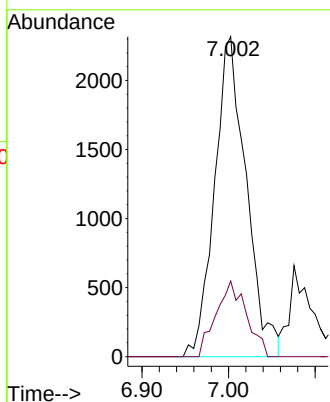
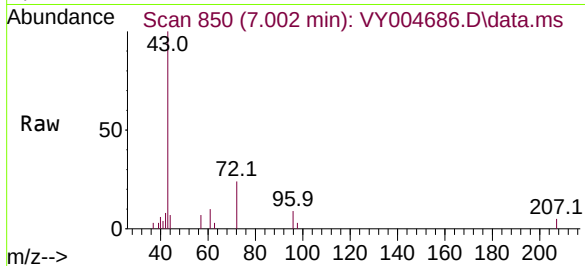




#25
2-Butanone
Concen: 8.50 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

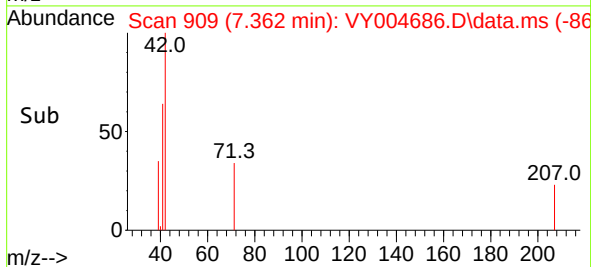
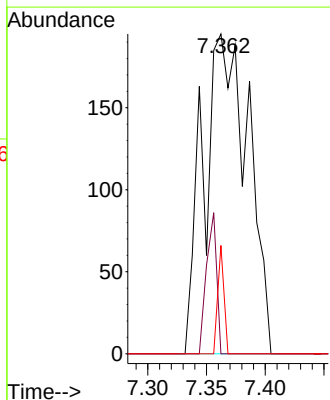
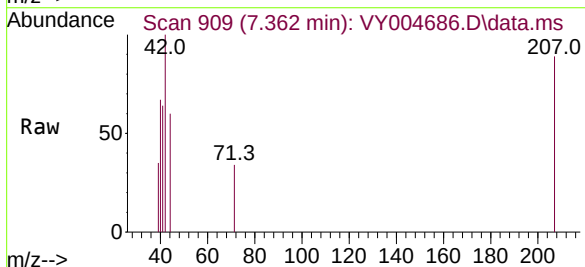
Instrument :
MSVOA_Y
ClientSampled :
290RE

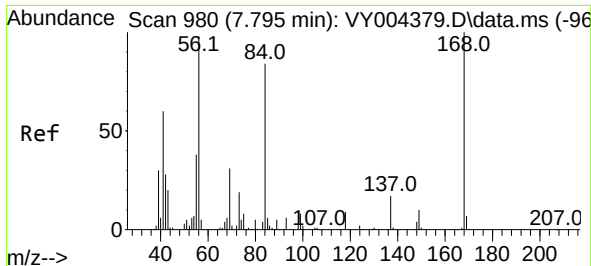
Tgt Ion: 43 Resp: 5894
Ion Ratio Lower Upper
43 100
72 23.7 20.2 30.2



#29
Tetrahydrofuran
Concen: 1.05 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

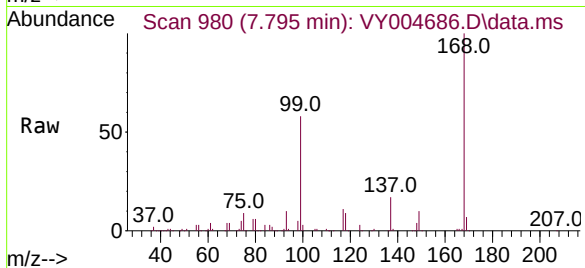
Tgt Ion: 42 Resp: 519
Ion Ratio Lower Upper
42 100
72 9.8 31.0 46.4#
71 4.6 28.8 43.2#



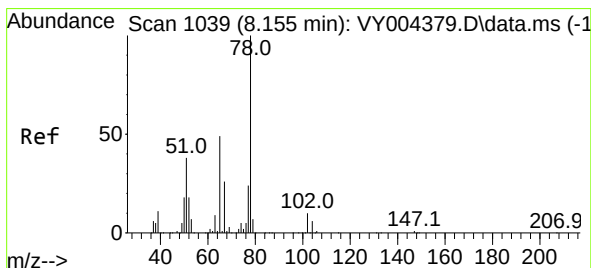
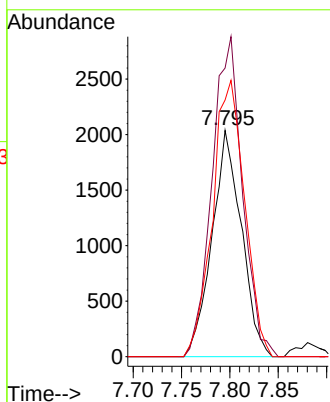
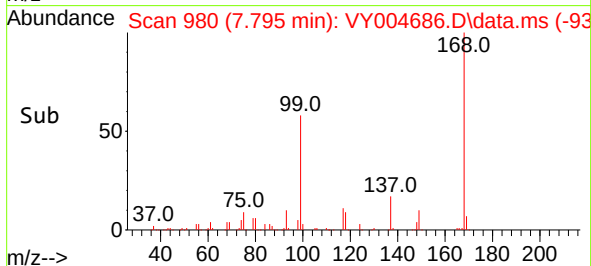


#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

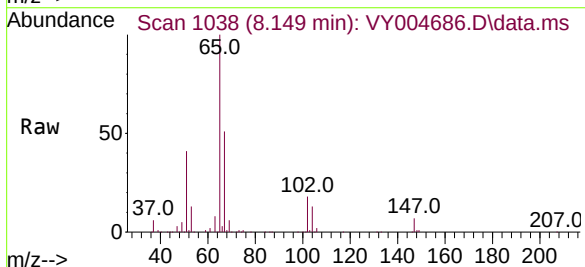
Instrument :
MSVOA_Y
ClientSampleId :
290RE



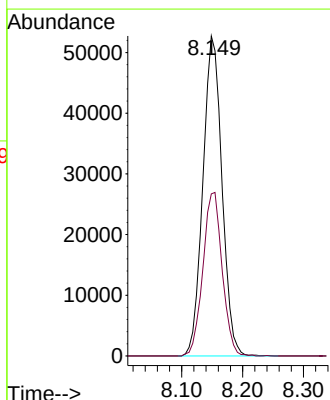
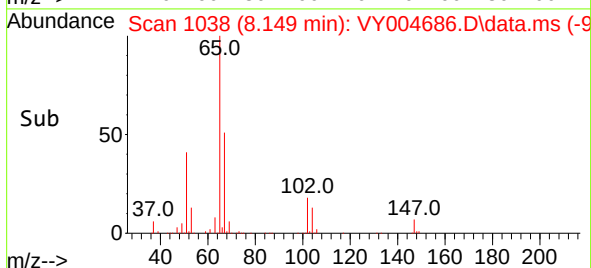
Tgt Ion	Ratio	Lower	Upper
56	100		
69	127.5	25.8	38.6#
84	113.4	68.2	102.4#

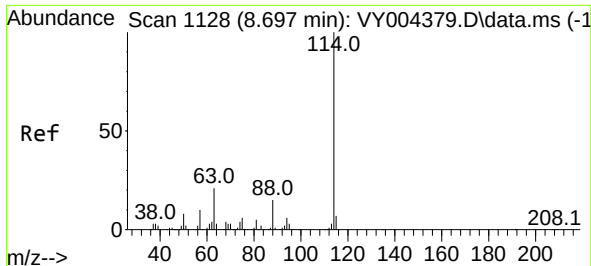


#33
1,2-Dichloroethane-d4
Concen: 63.02 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42



Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.4

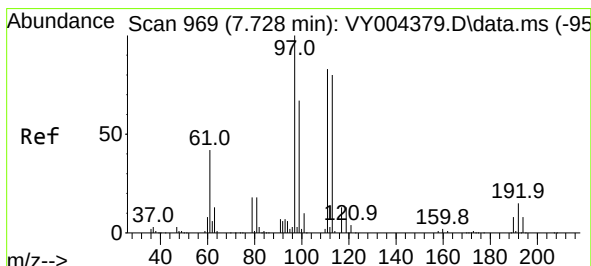
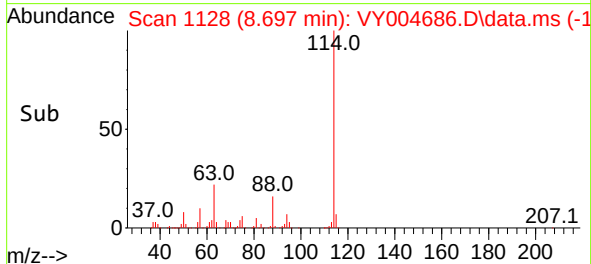
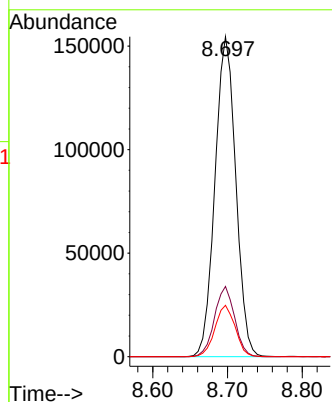
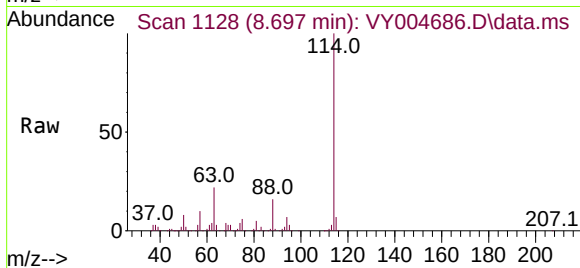




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

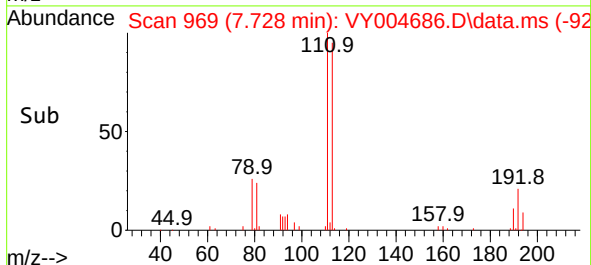
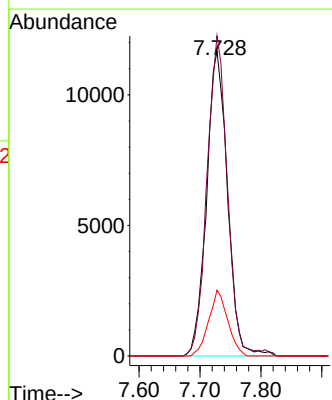
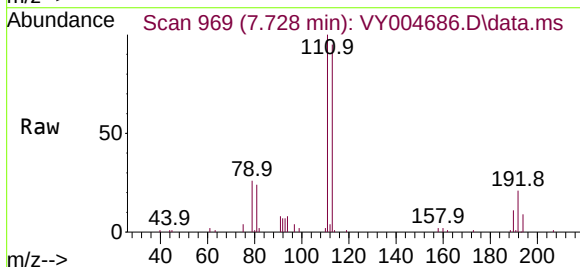
Instrument :
MSVOA_Y
ClientSampleId :
290RE

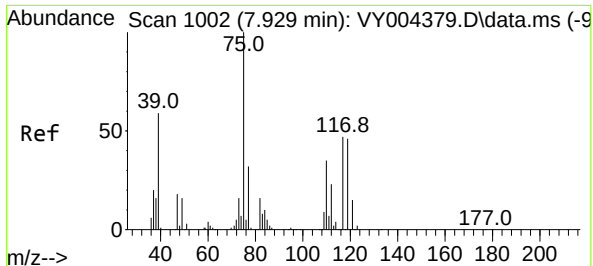
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	42.4
88	16.0	0.0	30.8



#35
Dibromofluoromethane
Concen: 16.77 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	19.6	16.1	24.1





#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 7.795 min Scan# 980

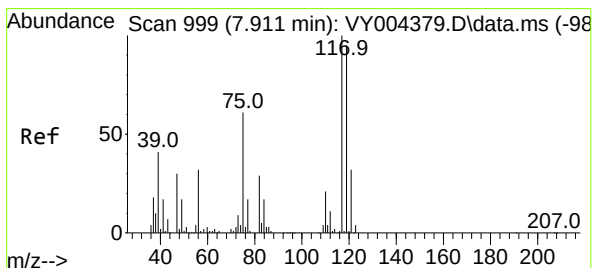
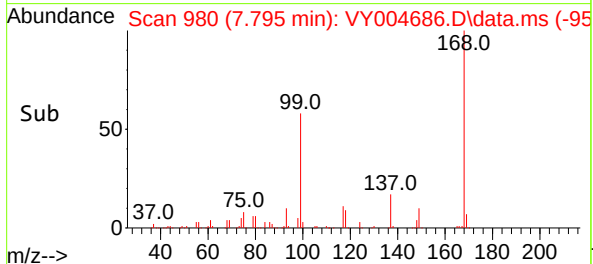
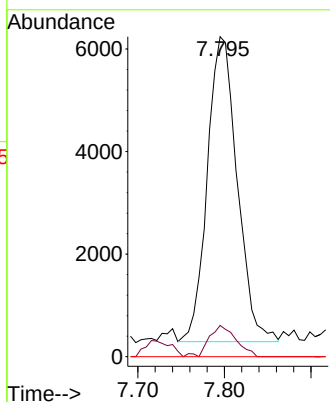
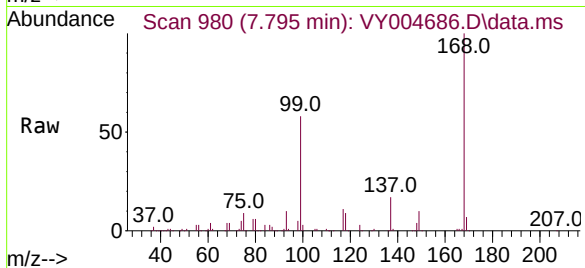
Delta R.T. -0.134 min

Lab File: VY004686.D

Acq: 30 Apr 2021 14:42

Tgt Ion:	75	Resp:	14279
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.3	51.7#
77	0.0	24.3	36.5#

Instrument :
MSVOA_Y
ClientSampleId :
290RE



#38

Carbon Tetrachloride

Concen: 6.70 ug/l

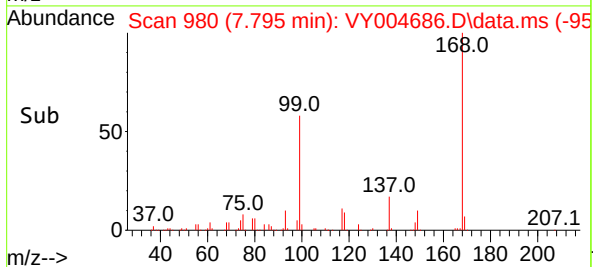
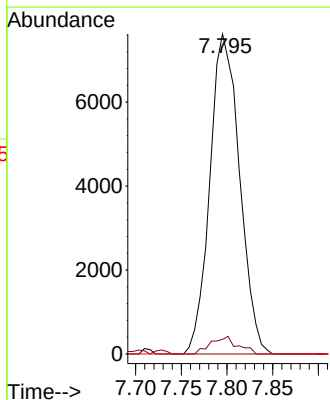
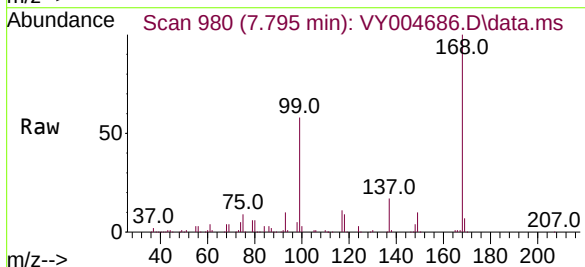
RT: 7.795 min Scan# 980

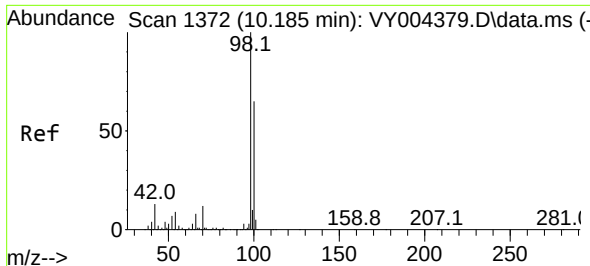
Delta R.T. -0.116 min

Lab File: VY004686.D

Acq: 30 Apr 2021 14:42

Tgt Ion:	117	Resp:	17223
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.8#
121	0.0	25.3	37.9#

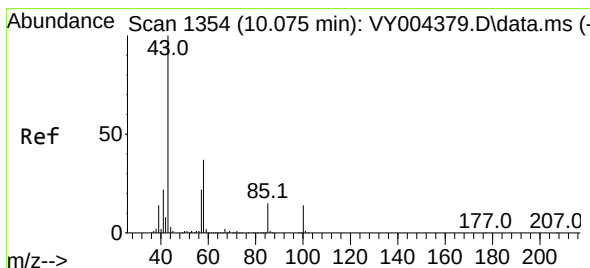
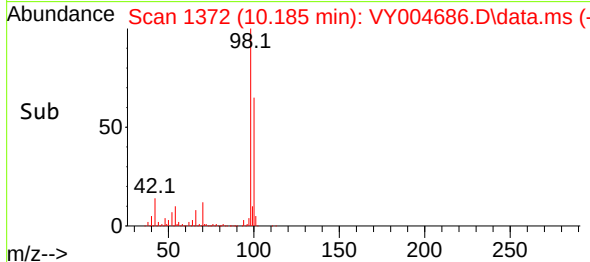
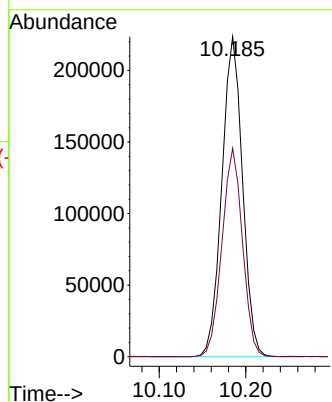
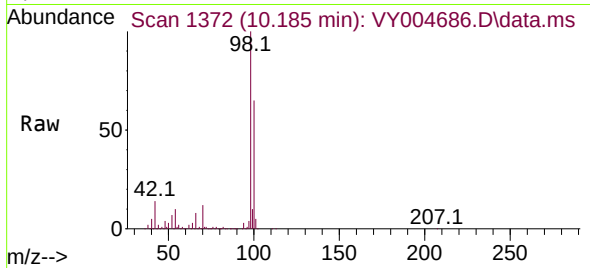




#50
Toluene-d8
Concen: 52.38 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

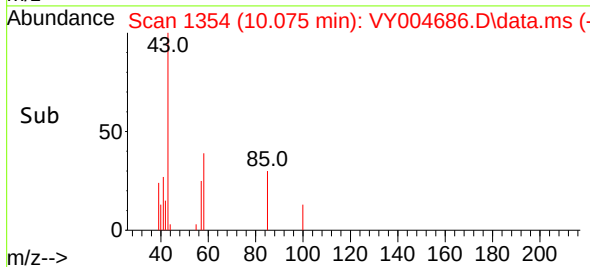
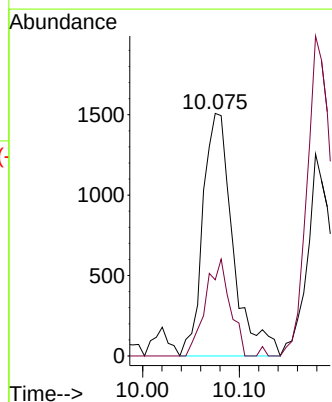
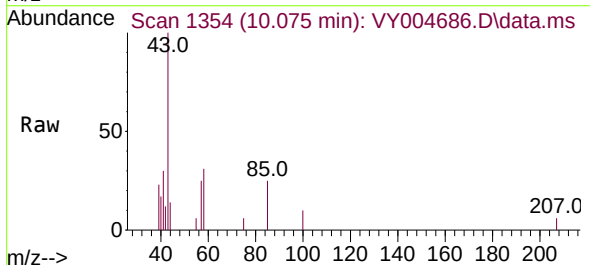
Instrument :
MSVOA_Y
ClientSampled :
290RE

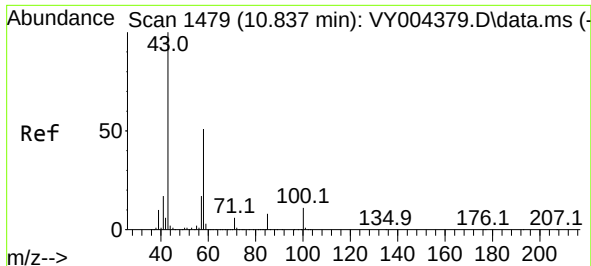
Tgt Ion: 98 Resp: 369815
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.75 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion: 43 Resp: 3255
Ion Ratio Lower Upper
43 100
58 32.6 29.2 43.8

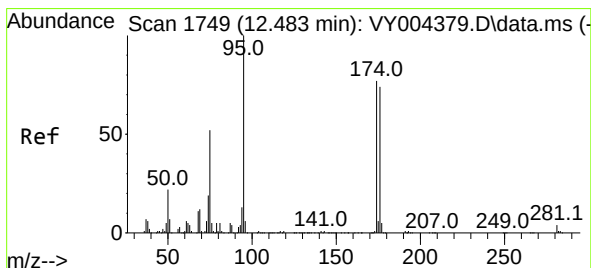
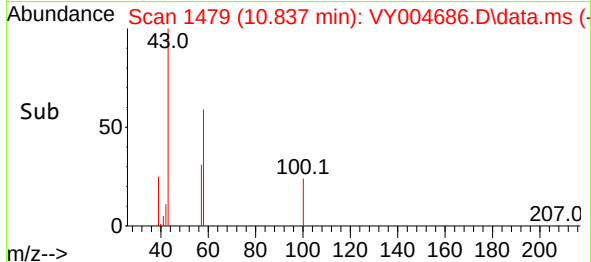
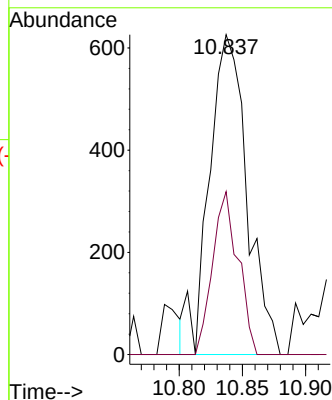
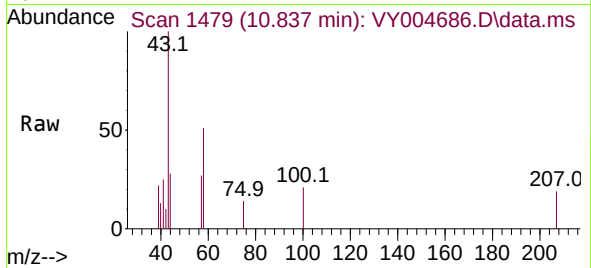




#59
2-Hexanone
Concen: 1.05 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

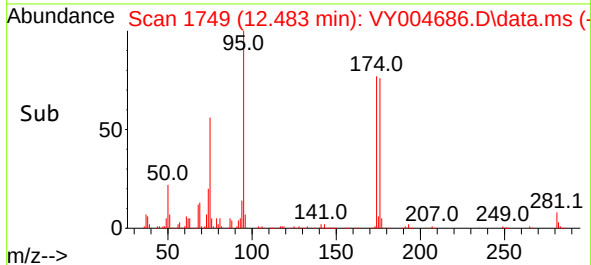
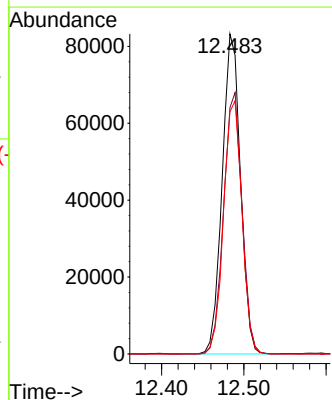
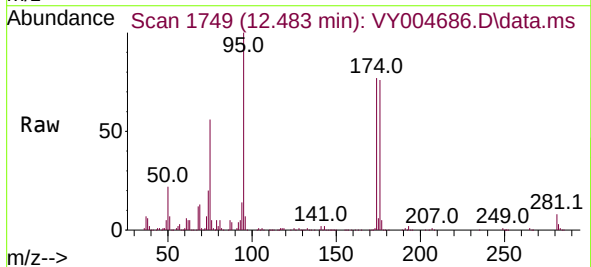
Instrument :
MSVOA_Y
ClientSampled :
290RE

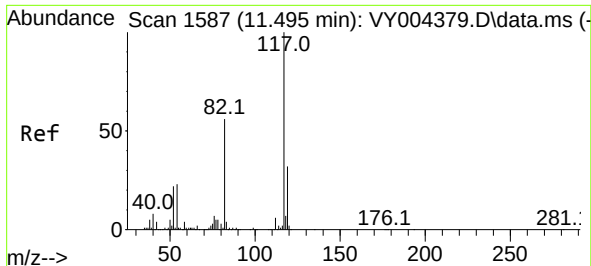
Tgt Ion: 43 Resp: 1307
Ion Ratio Lower Upper
43 100
58 34.3 25.4 76.4



#62
4-Bromofluorobenzene
Concen: 53.75 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion: 95 Resp: 128777
Ion Ratio Lower Upper
95 100
174 82.1 0.0 162.4
176 79.5 0.0 156.0

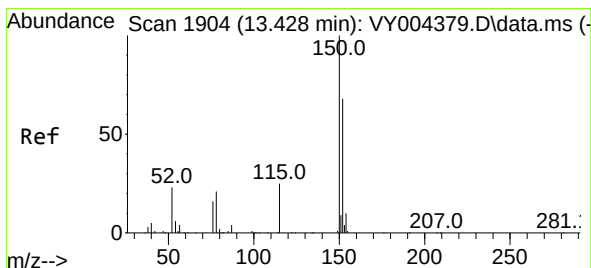
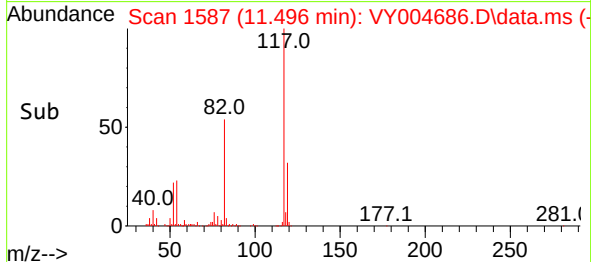
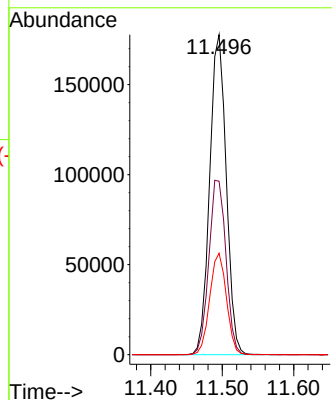
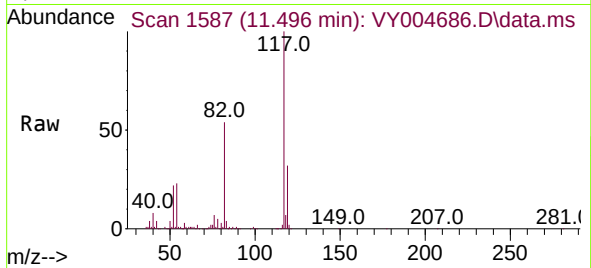




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

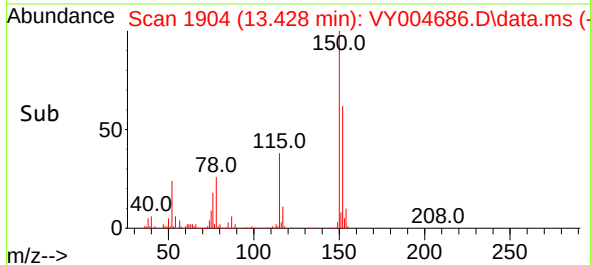
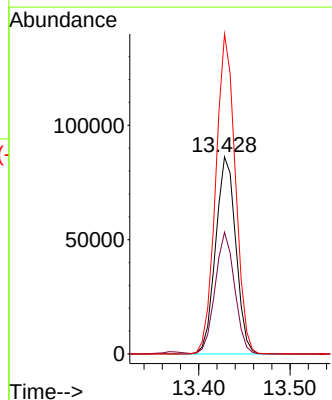
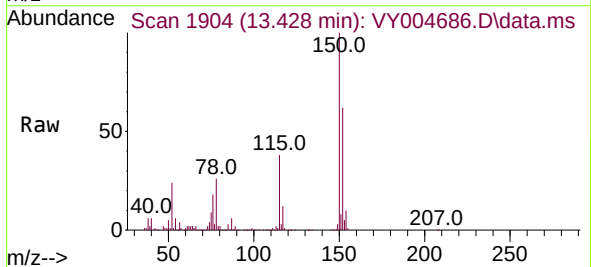
Instrument :
MSVOA_Y
ClientSampleId :
290RE

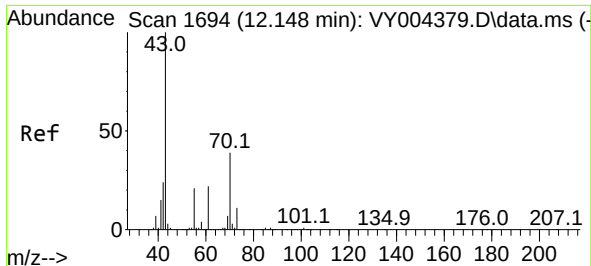
Tgt Ion:117 Resp: 286102
Ion Ratio Lower Upper
117 100
82 54.2 44.9 67.3
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion:152 Resp: 132102
Ion Ratio Lower Upper
152 100
115 59.8 29.6 88.8
150 157.9 0.0 348.4

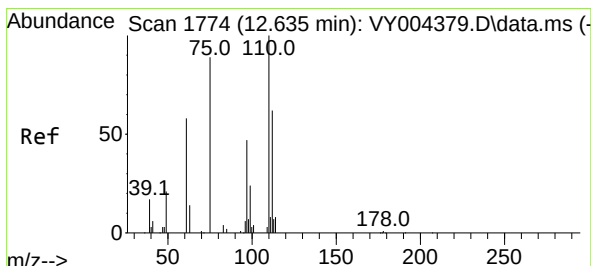
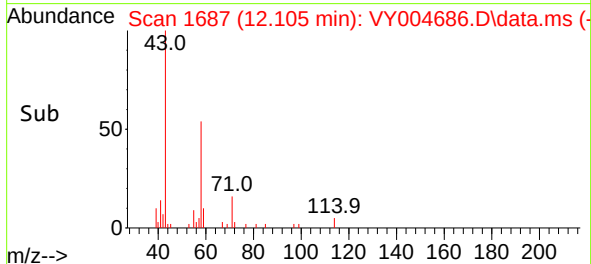
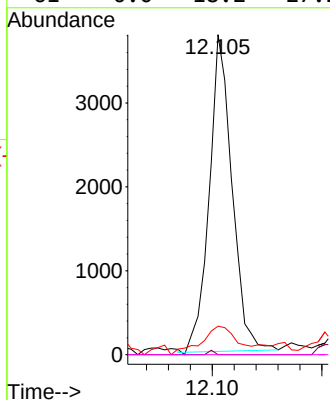
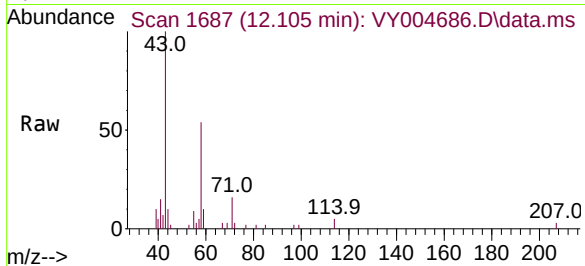




#74
N-amy1 acetate
Concen: 1.58 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.042 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

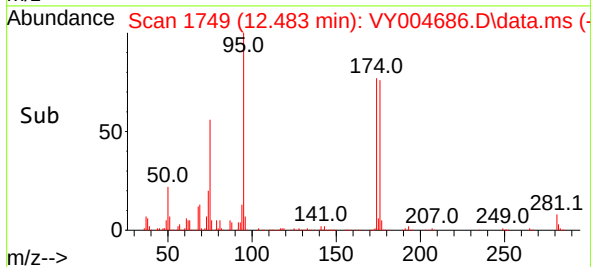
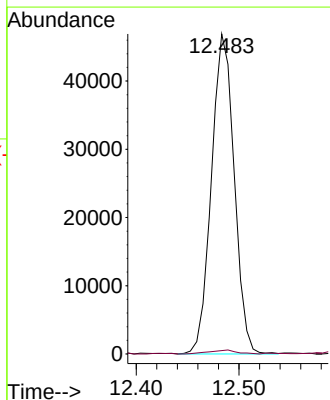
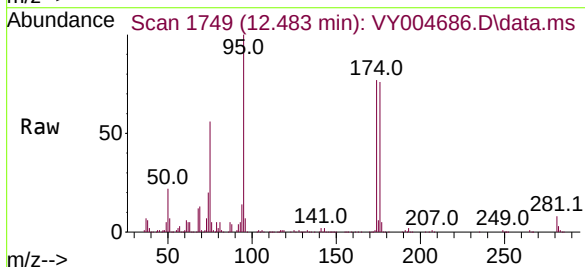
Instrument :
MSVOA_Y
ClientSampled :
290RE

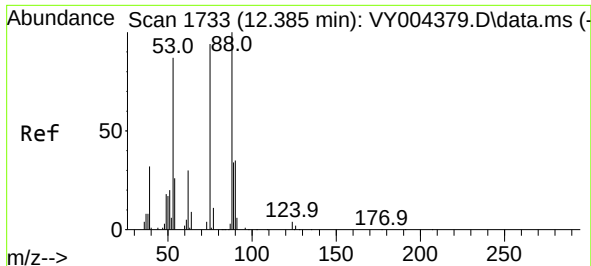
Tgt Ion: 43	Resp: 5426
Ion Ratio	Lower Upper
43 100	
70 0.4	30.4 45.6#
55 14.0	17.4 26.0#
61 0.0	18.2 27.2#



#76
1,2,3-Trichloropropane
Concen: 50.94 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion: 75	Resp: 72229
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#

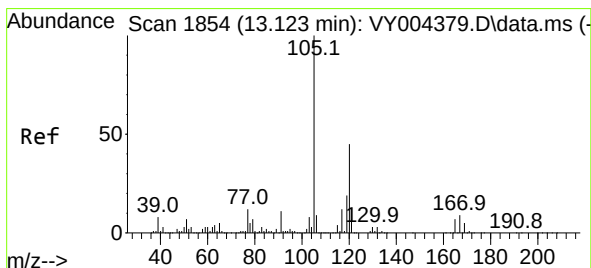
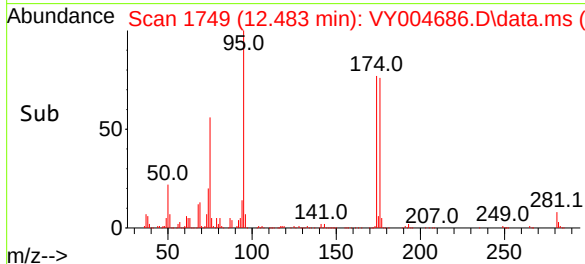
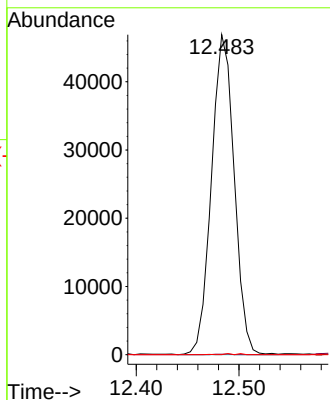
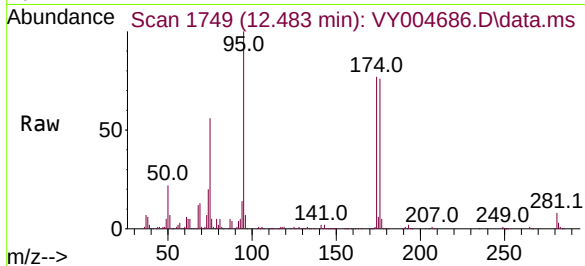




#81
trans-1,4-Dichloro-2-butene
Concen: 91.13 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

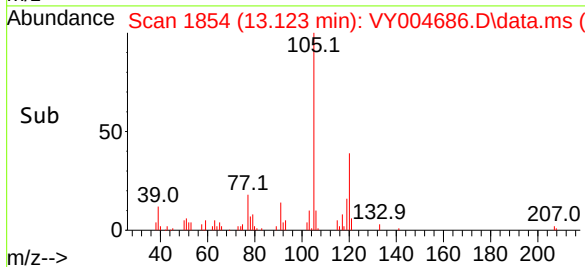
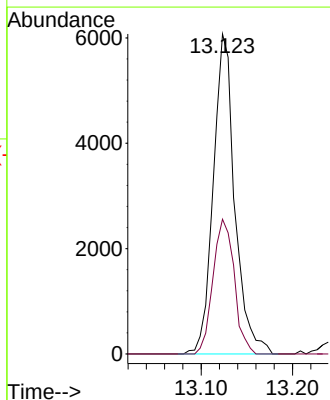
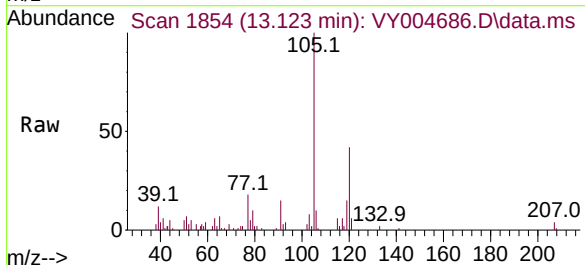
Instrument :
MSVOA_Y
ClientSampleId :
290RE

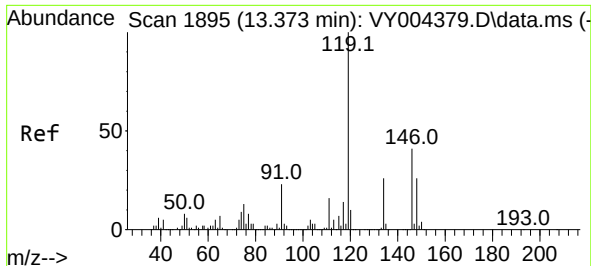
Tgt Ion: 75 Resp: 72229
Ion Ratio Lower Upper
75 100
53 0.1 75.0 112.6#
89 0.2 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.18 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion: 105 Resp: 9905
Ion Ratio Lower Upper
105 100
120 41.6 22.4 67.3

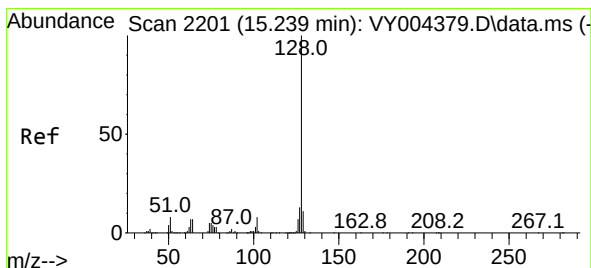
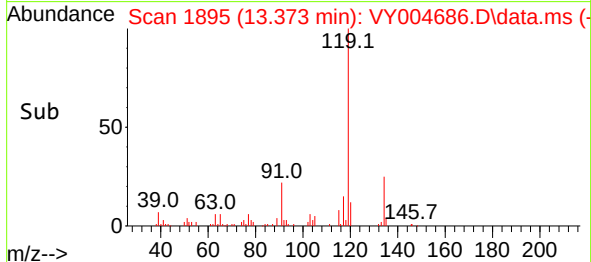
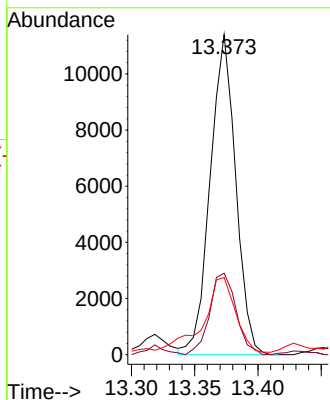
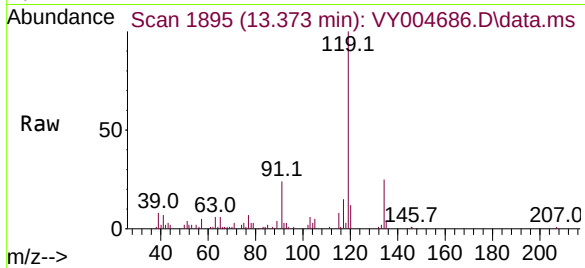




#86
p-Isopropyltoluene
Concen: 1.77 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Instrument :
MSVOA_Y
ClientSampleId :
290RE

Tgt Ion:	119	Resp:	15981
Ion Ratio	Lower	Upper	
119	100		
134	26.3	13.3	39.8
91	34.0	11.9	35.7



#95
Naphthalene
Concen: 1.39 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004686.D
Acq: 30 Apr 2021 14:42

Tgt Ion:	128	Resp:	7562
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.2
129	12.1	8.8	13.2

