

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004785.D
 Acq On : 14 May 2021 16:08
 Operator : SY/MD
 Sample : M2389-05RE
 Misc : 7.98G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 15 03:59:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	185027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	343980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	300486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	132020	59.94	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.88%
35) Dibromofluoromethane	7.728	113	106532	56.57	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.14%
50) Toluene-d8	10.185	98	422689	49.69	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.38%
62) 4-Bromofluorobenzene	12.483	95	119359	41.57	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.14%

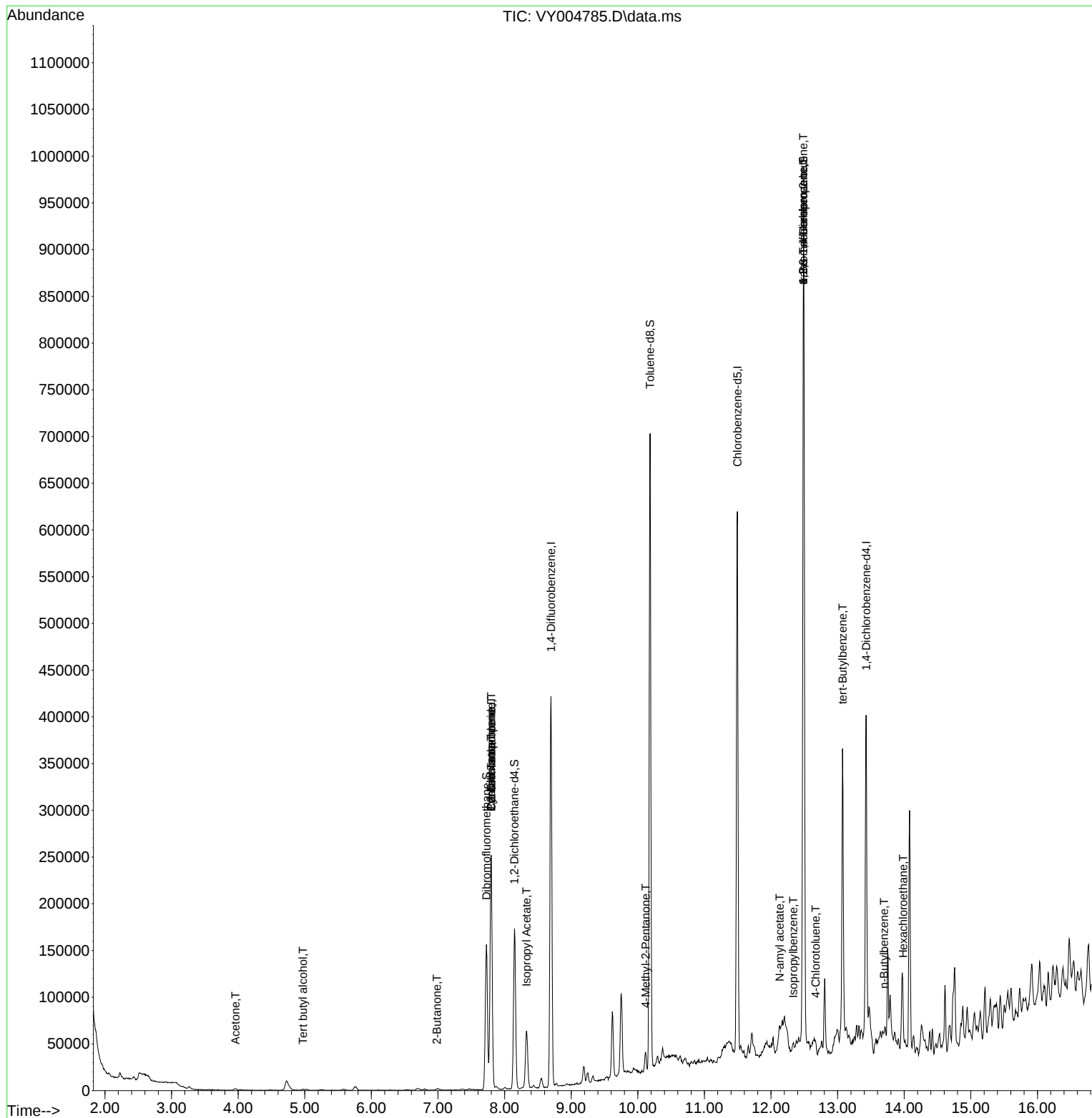
Target Compounds						Qvalue
11) Tert butyl alcohol	4.972	59	2329	10.52	ug/l #	74
16) Acetone	3.960	43	3219	6.51	ug/l #	84
20) Methylene Chloride	4.729	84	6642	Below Cal		87
25) 2-Butanone	6.984	43	1053	1.20	ug/l #	51
31) Cyclohexane	7.795	56	5306	1.49	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	16459	4.67	ug/l #	50
38) Carbon Tetrachloride	7.801	117	19324	6.10	ug/l #	17
43) Isopropyl Acetate	8.332	43	13480	3.01	ug/l #	56
51) 4-Methyl-2-Pentanone	10.118	43	2891	1.20	ug/l	89
73) Isopropylbenzene	12.337	105	6270	1.03	ug/l	98
74) N-amyl acetate	12.130	43	3214	1.49	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	70812	82.59	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	70812	143.21	ug/l #	15
82) 4-Chlorotoluene	12.672	91	6872	1.62	ug/l #	44
83) tert-Butylbenzene	13.075	119	130537	30.23	ug/l	97
89) n-Butylbenzene	13.696	91	5357	1.01	ug/l	83
90) Hexachloroethane	13.983	117	1154	1.51	ug/l #	14

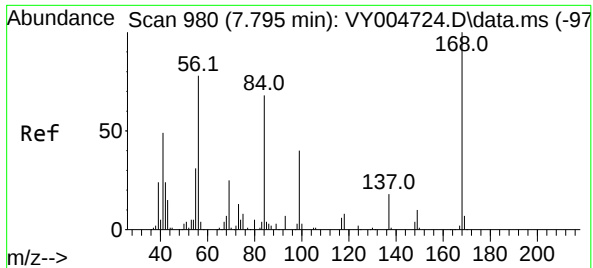
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 03:59:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration

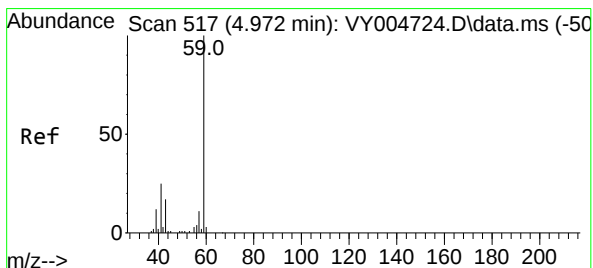
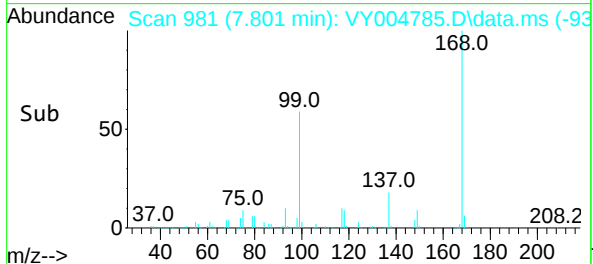
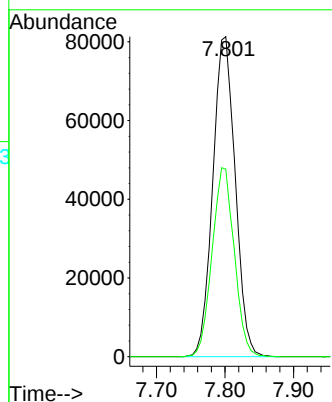
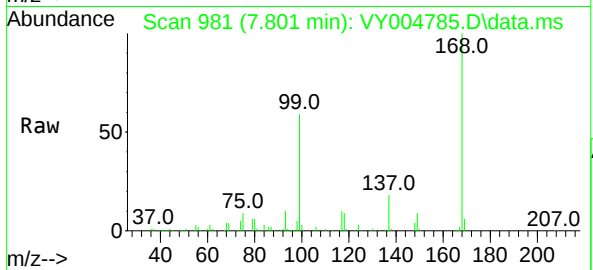




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

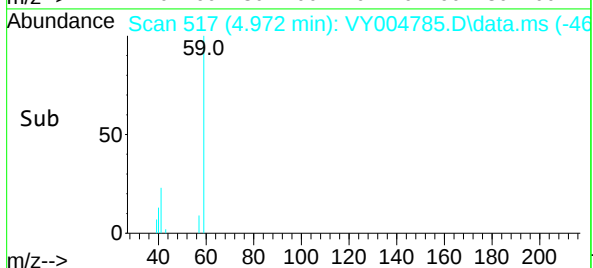
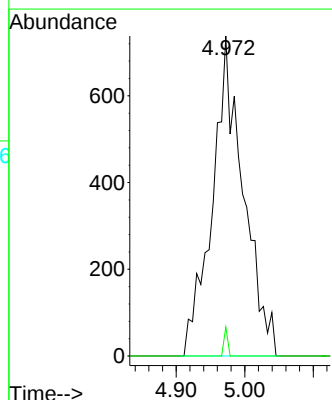
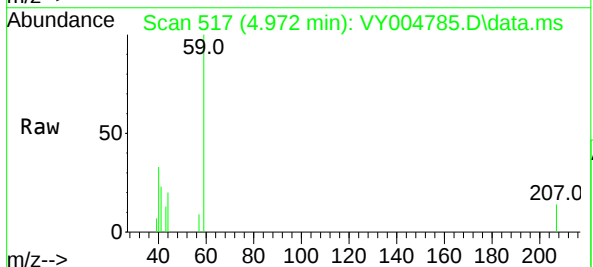
Instrument :
MSVOA_Y
ClientSampled :

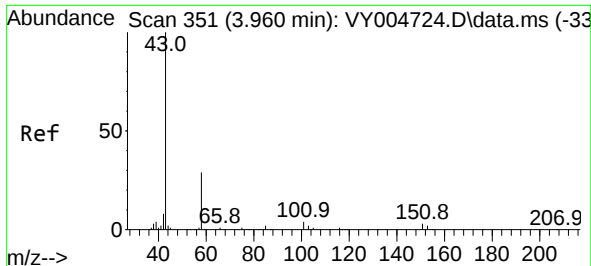
Tgt Ion:168 Resp: 185027
Ion Ratio Lower Upper
168 100
99 58.6 45.6 68.4



#11
Tert butyl alcohol
Concen: 10.52 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 59 Resp: 2329
Ion Ratio Lower Upper
59 100
57 1.1 8.7 13.1#

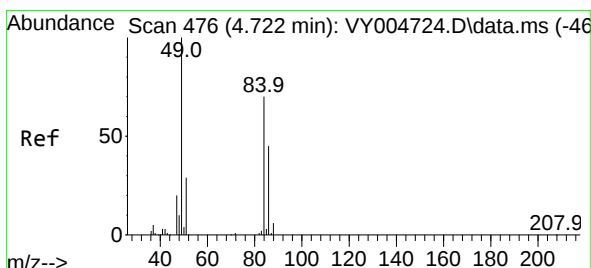
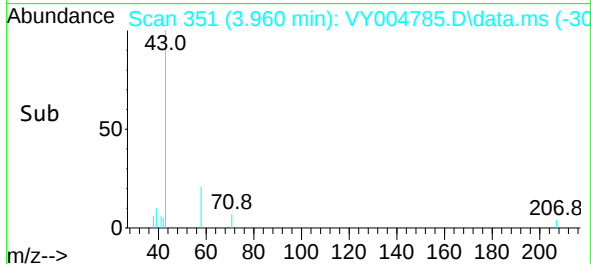
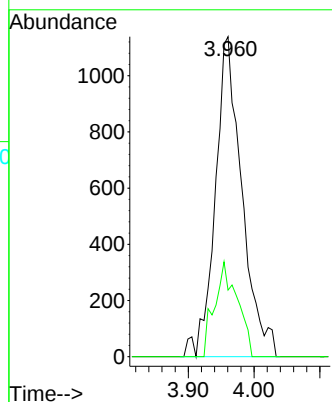
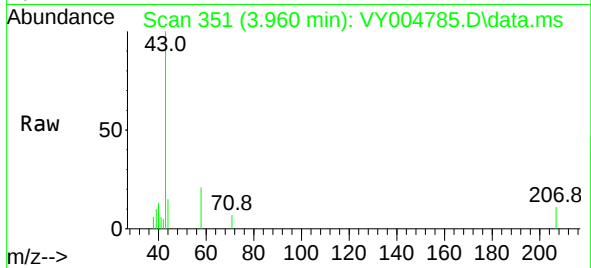




#16
Acetone
Concen: 6.51 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

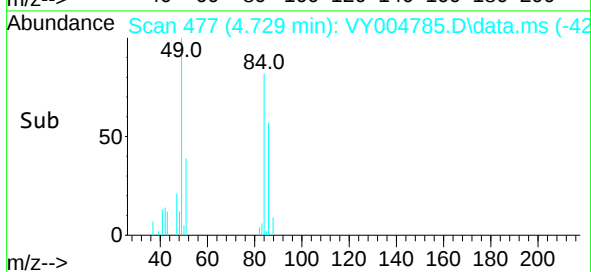
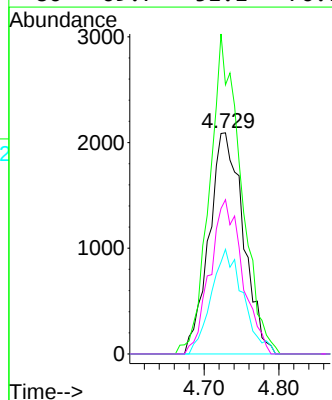
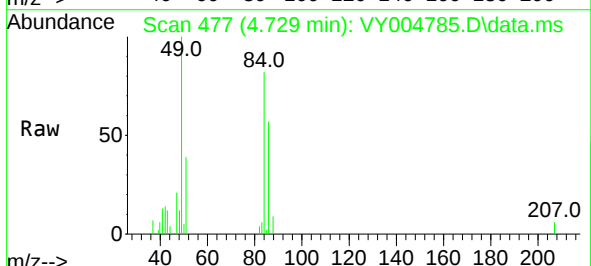
Instrument :
MSVOA_Y
ClientSampled :

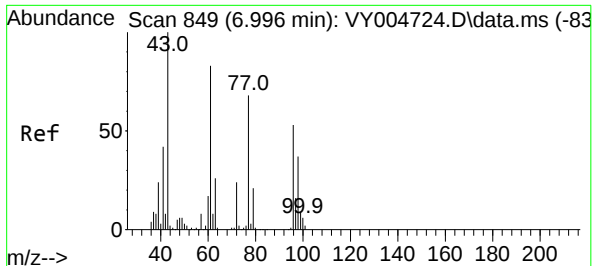
Tgt Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
58 20.8 23.6 35.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 84 Resp: 6642
Ion Ratio Lower Upper
84 100
49 121.7 113.8 170.8
51 47.3 33.5 50.3
86 69.7 51.1 76.7





#25

2-Butanone

Concen: 1.20 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY004785.D

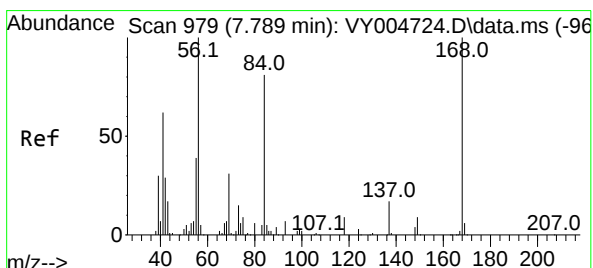
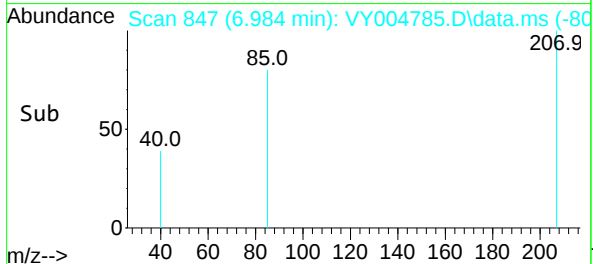
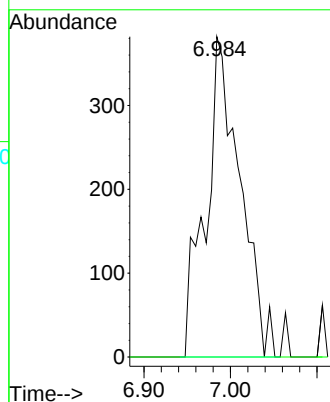
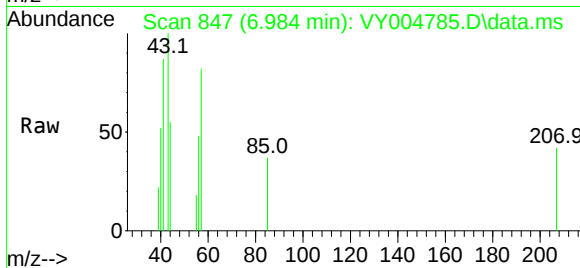
Acq: 14 May 2021 16:08

Tgt Ion: 43 Resp: 1053

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.0#



#31

Cyclohexane

Concen: 1.49 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY004785.D

Acq: 14 May 2021 16:08

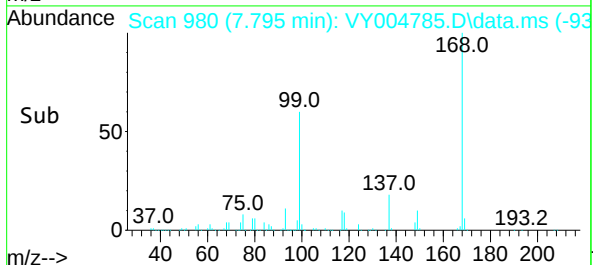
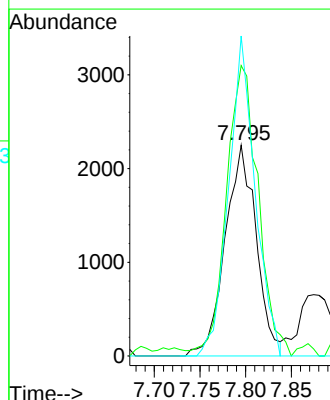
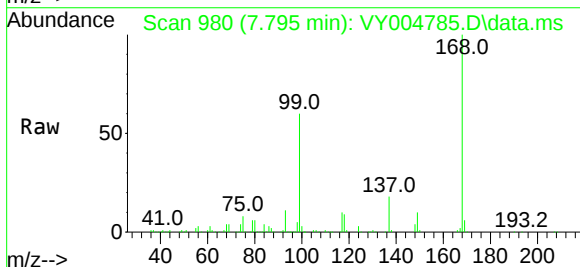
Tgt Ion: 56 Resp: 5306

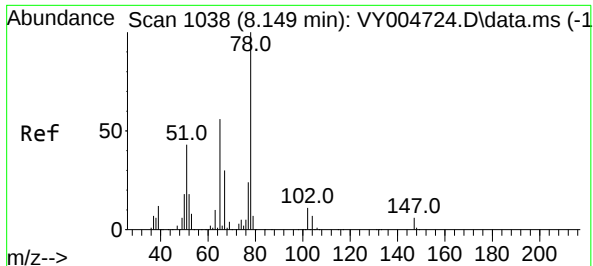
Ion Ratio Lower Upper

56 100

69 134.8 24.4 36.6#

84 151.8 64.8 97.2#

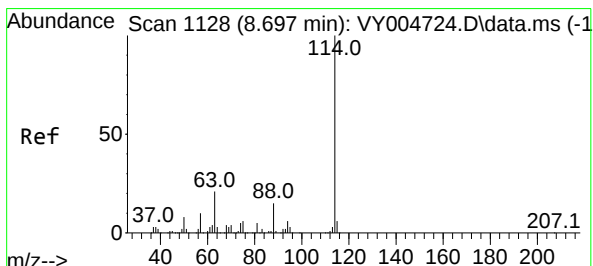
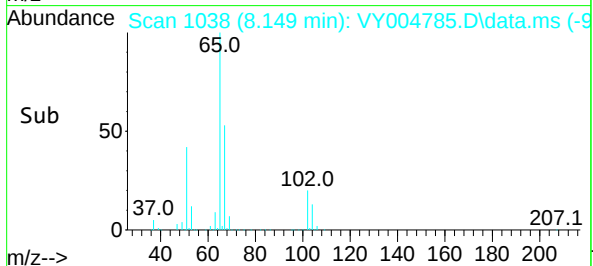
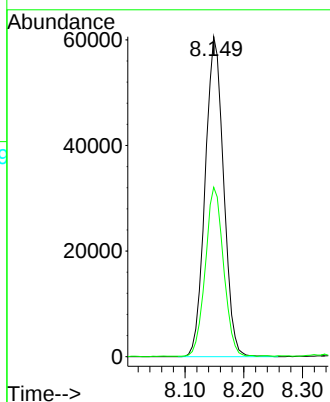
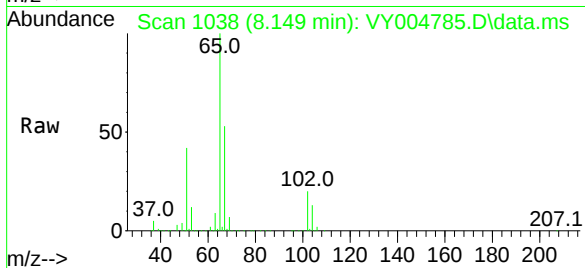




#33
1,2-Dichloroethane-d4
Concen: 59.94 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

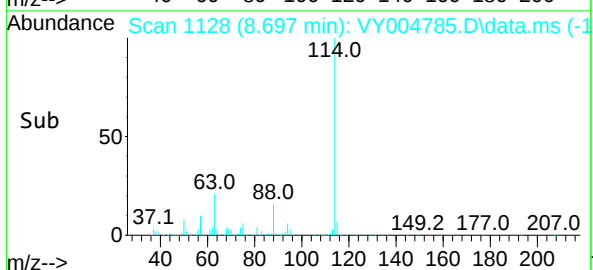
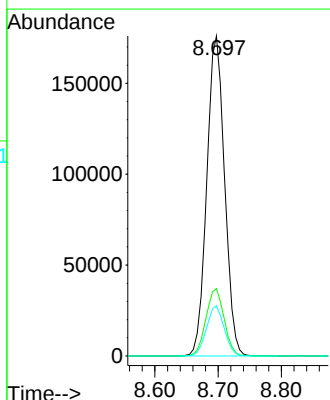
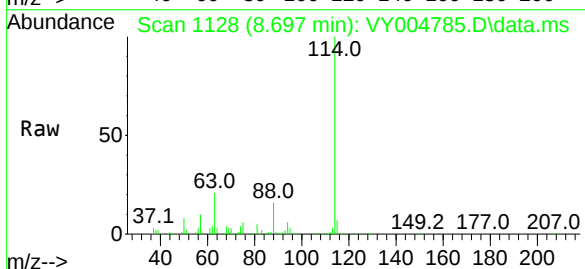
Instrument :
MSVOA_Y
ClientSampleId :

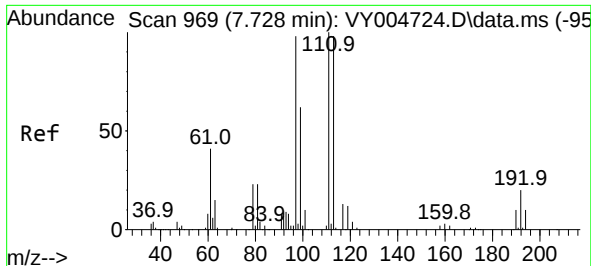
Tgt Ion: 65 Resp: 132020
Ion Ratio Lower Upper
65 100
67 52.1 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 114 Resp: 343980
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.8
88 15.7 0.0 31.0

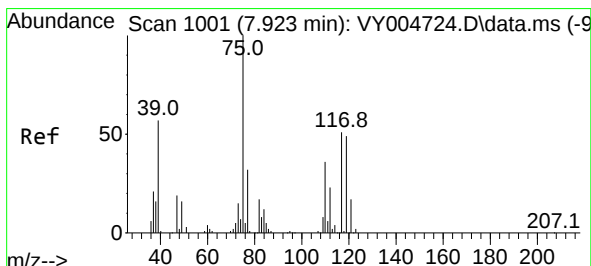
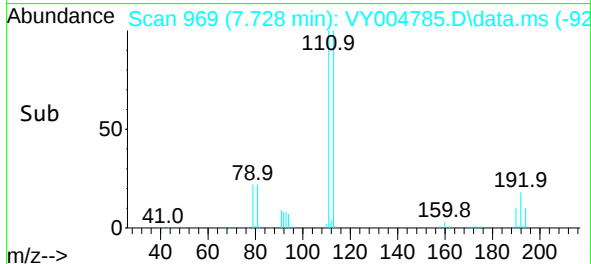
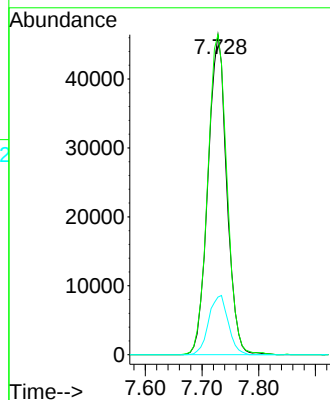
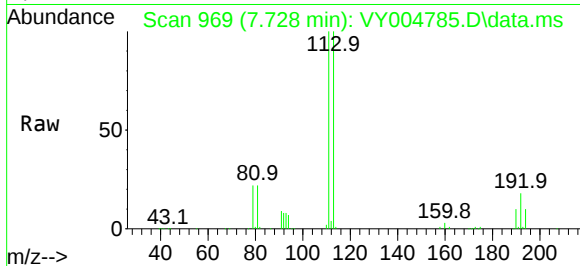




#35
Dibromofluoromethane
Concen: 56.57 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

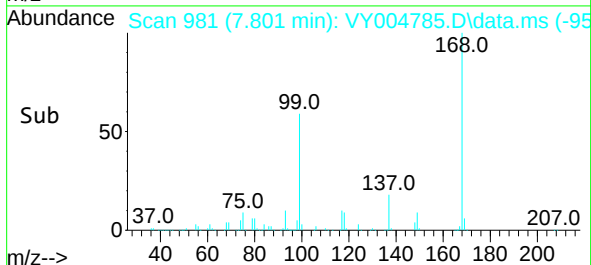
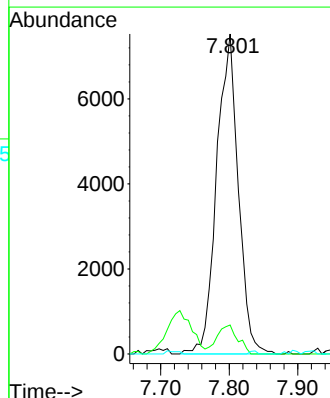
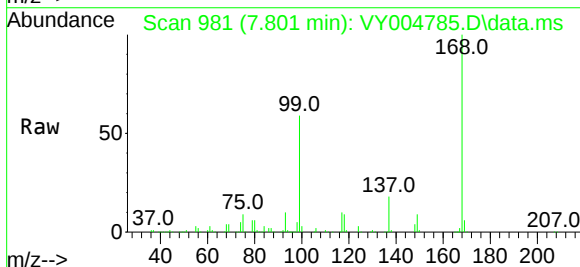
Instrument :
MSVOA_Y
ClientSampleId :

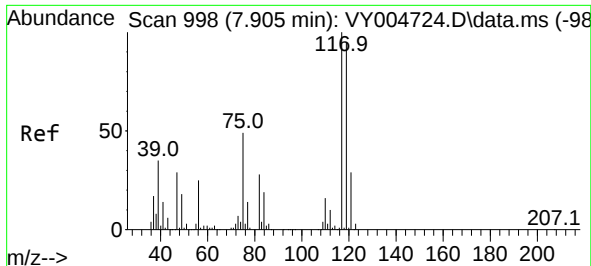
Tgt Ion:113 Resp: 106532
Ion Ratio Lower Upper
113 100
111 103.0 80.5 120.7
192 19.2 15.0 22.6



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

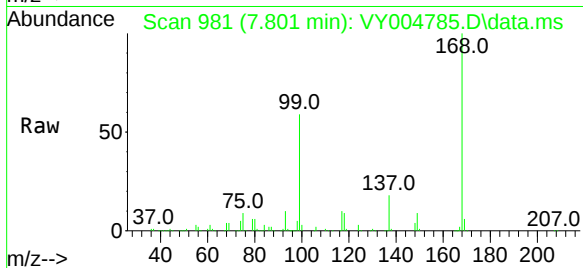
Tgt Ion: 75 Resp: 16459
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 25.0 37.4#



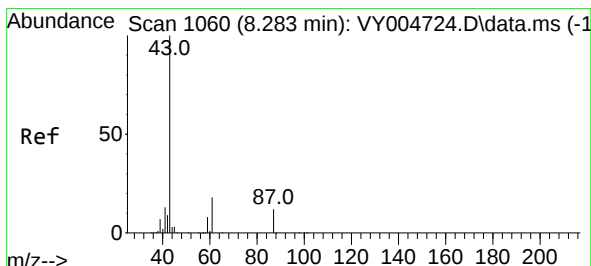
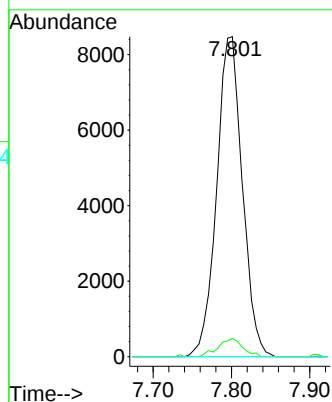
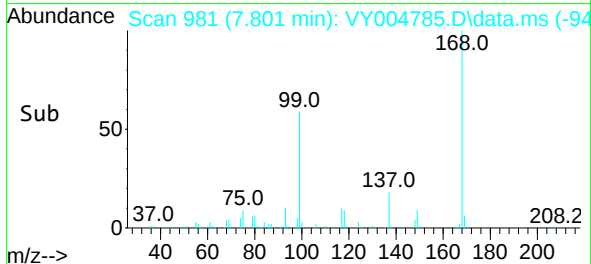


#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

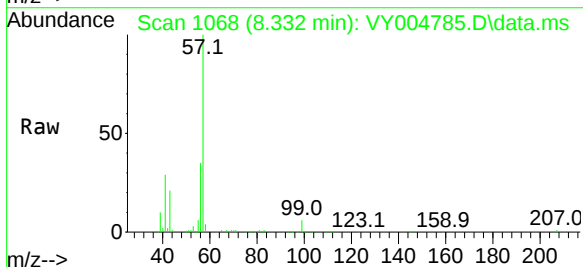
Instrument :
MSVOA_Y
ClientSampled :



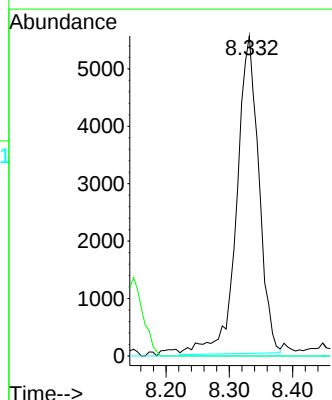
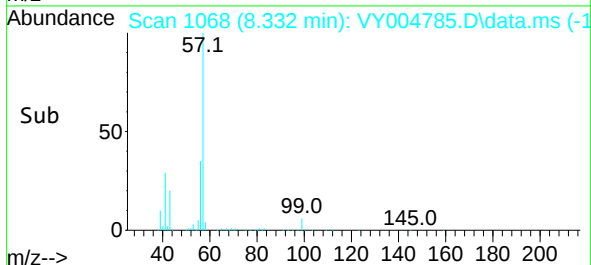
Tgt Ion: 117 Resp: 19324
Ion Ratio Lower Upper
117 100
119 5.7 76.3 114.5#
121 0.0 23.0 34.6#

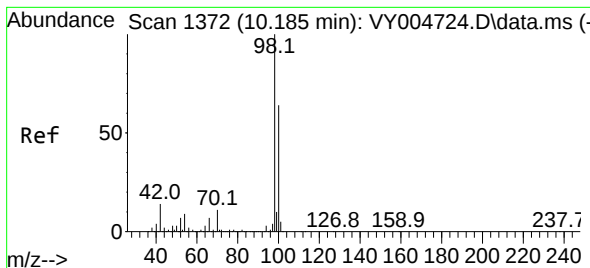


#43
Isopropyl Acetate
Concen: 3.01 ug/l
RT: 8.332 min Scan# 1068
Delta R.T. 0.049 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08



Tgt Ion: 43 Resp: 13480
Ion Ratio Lower Upper
43 100
61 0.0 20.3 30.5#
87 0.0 9.2 13.8#

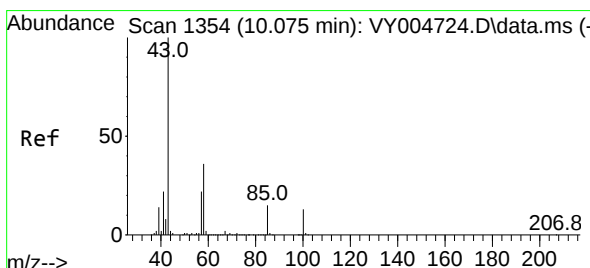
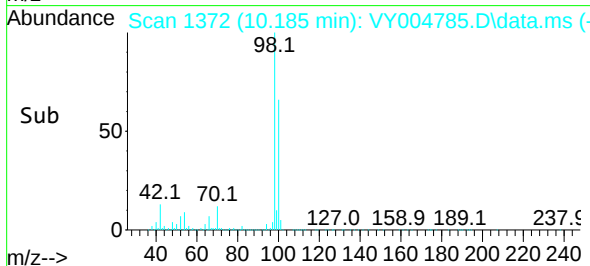
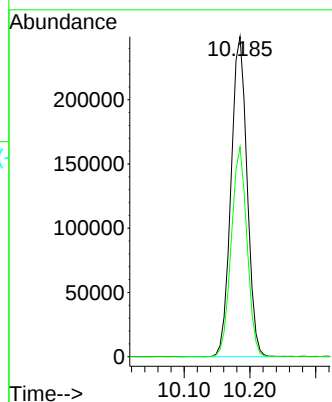
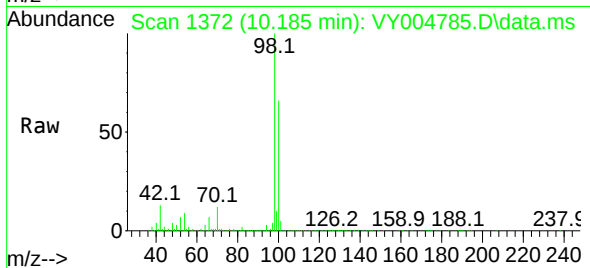




#50
Toluene-d8
Concen: 49.69 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

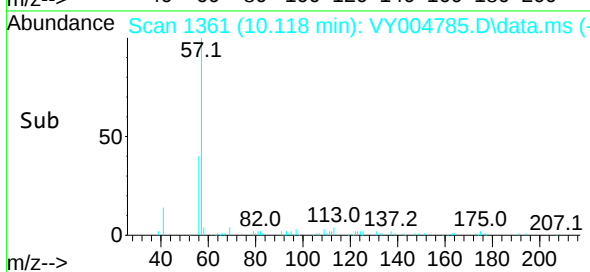
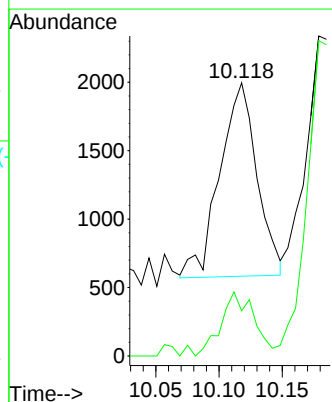
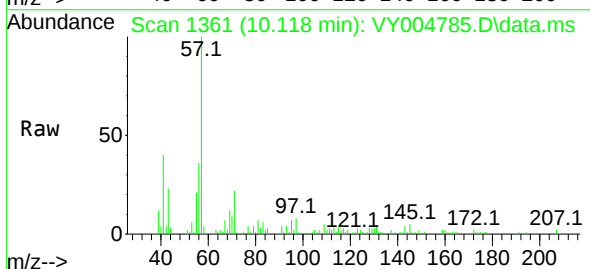
Instrument :
MSVOA_Y
ClientSampled :

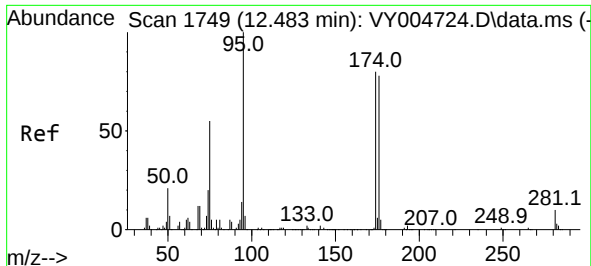
Tgt Ion: 98 Resp: 422689
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.20 ug/l
RT: 10.118 min Scan# 1361
Delta R.T. 0.043 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
58 29.2 28.7 43.1

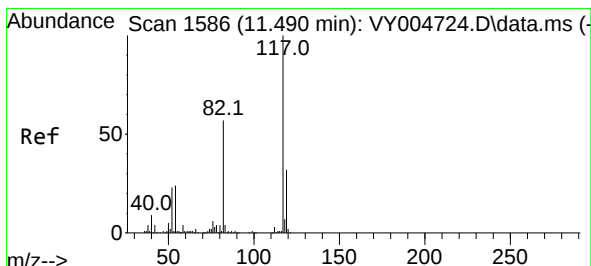
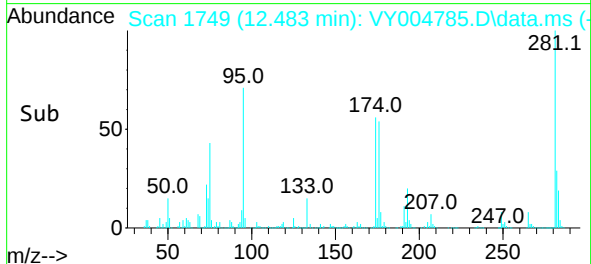
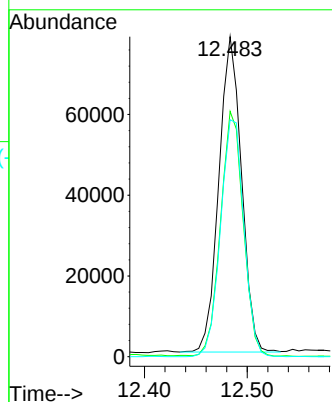
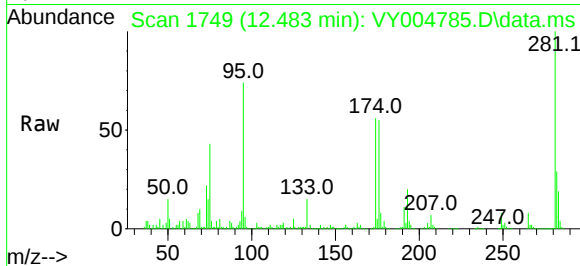




#62
4-Bromofluorobenzene
Concen: 41.57 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

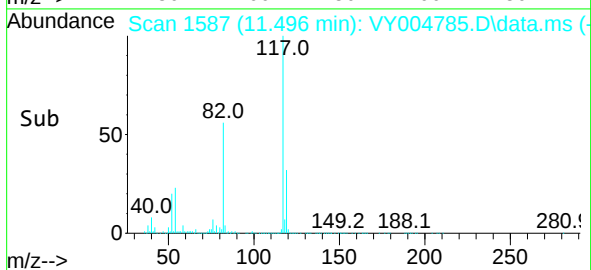
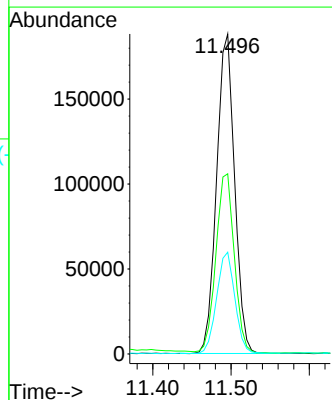
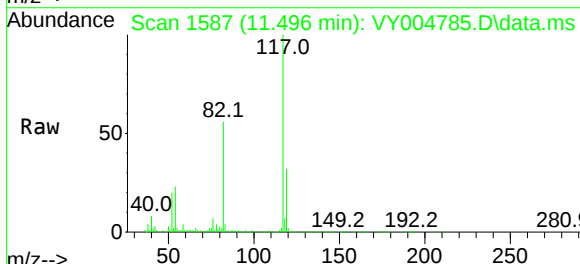
Instrument :
MSVOA_Y
ClientSampleId :

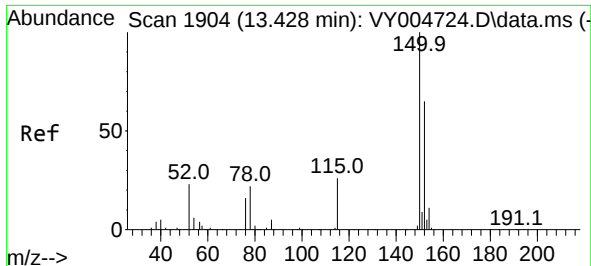
Tgt Ion: 95 Resp: 119359
Ion Ratio Lower Upper
95 100
174 78.1 0.0 164.2
176 77.7 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 117 Resp: 300486
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 31.6 25.8 38.6

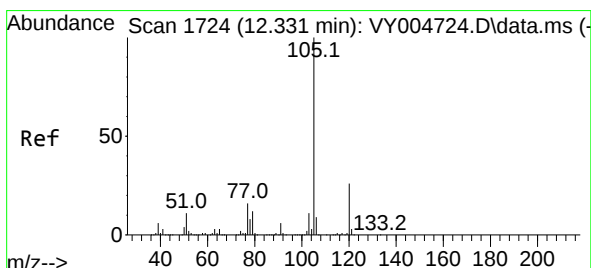
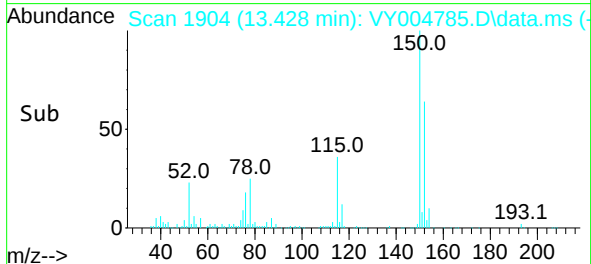
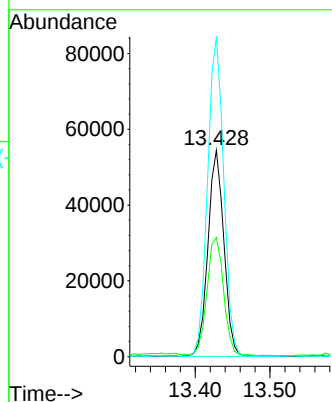
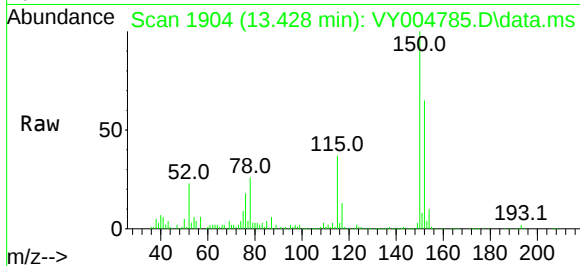




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

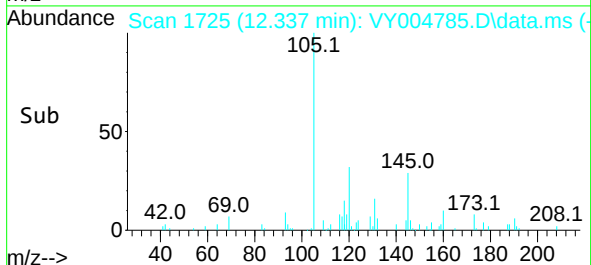
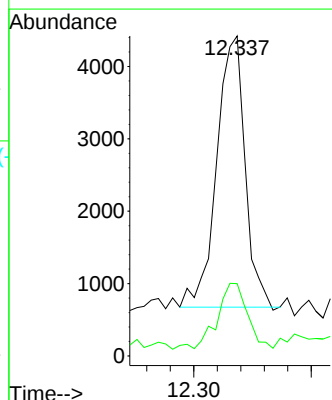
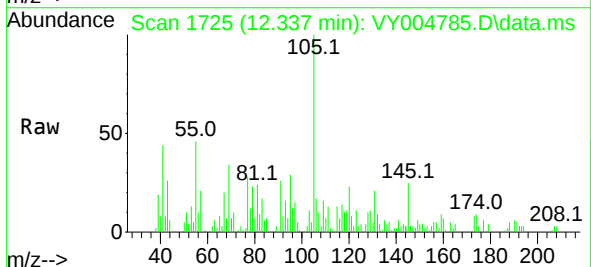
Instrument :
MSVOA_Y
ClientSampled :

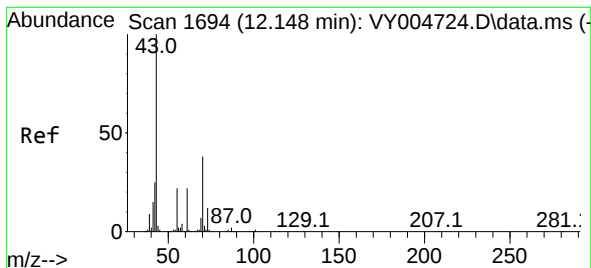
Tgt Ion:152 Resp: 80722
Ion Ratio Lower Upper
152 100
115 59.8 29.4 88.3
150 157.0 0.0 349.8



#73
Isopropylbenzene
Concen: 1.03 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion:105 Resp: 6270
Ion Ratio Lower Upper
105 100
120 24.9 13.1 39.1

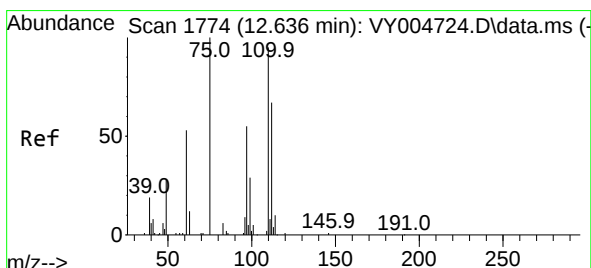
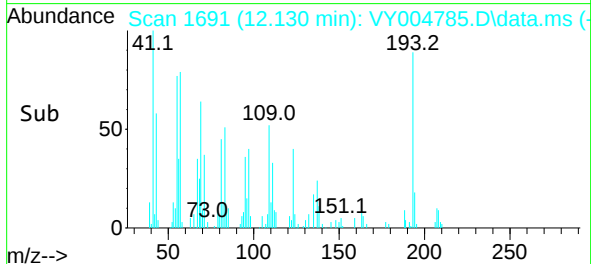
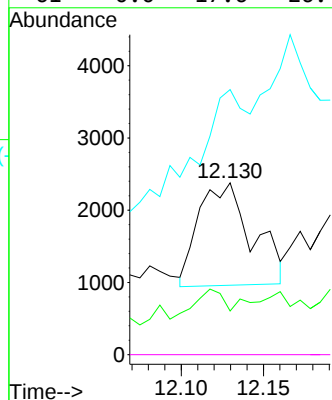
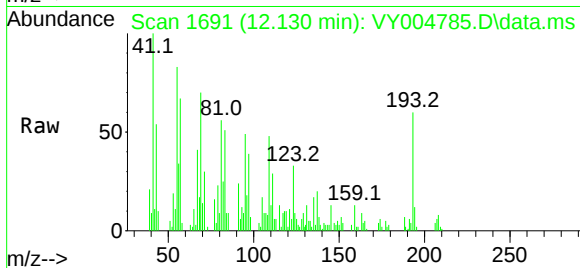




#74
N-amy1 acetate
Concen: 1.49 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.018 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

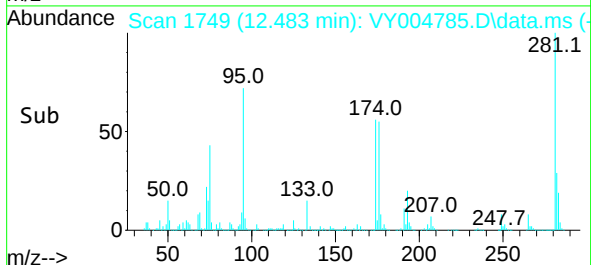
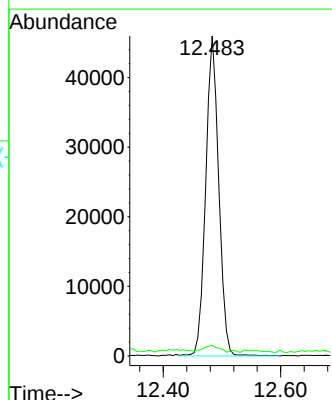
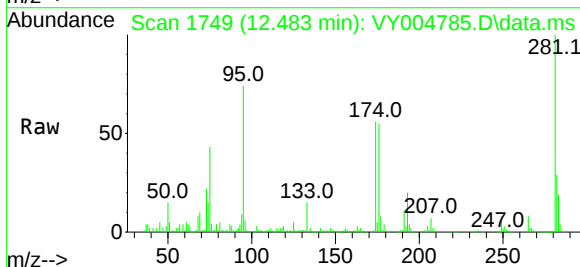
Instrument :
MSVOA_Y
ClientSampled :

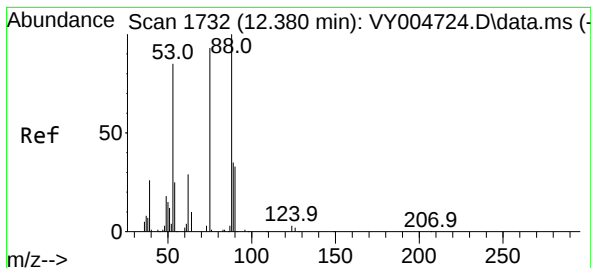
Tgt Ion: 43 Resp: 3214
Ion Ratio Lower Upper
43 100
70 16.4 30.2 45.2#
55 117.0 17.8 26.8#
61 0.0 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 82.59 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 75 Resp: 70812
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

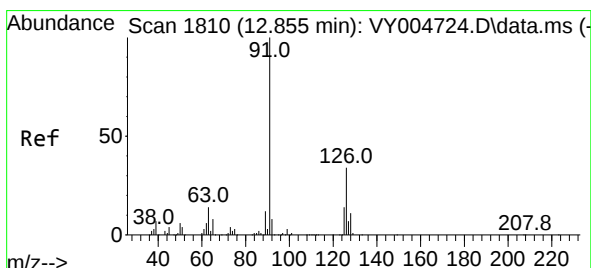
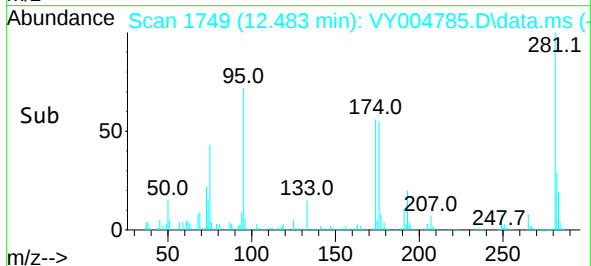
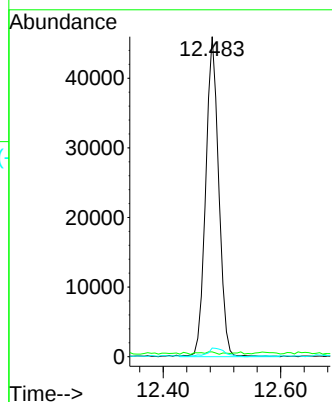
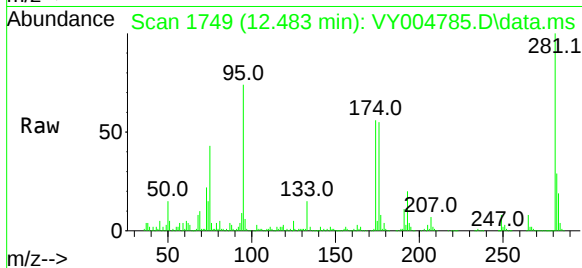




#81
trans-1,4-Dichloro-2-butene
Concen: 143.21 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

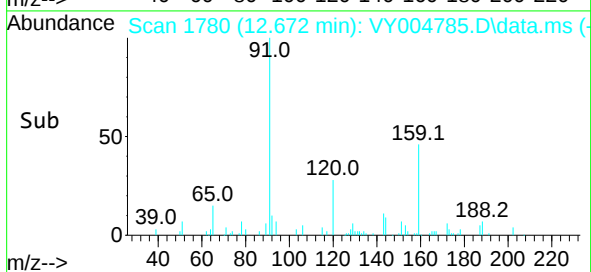
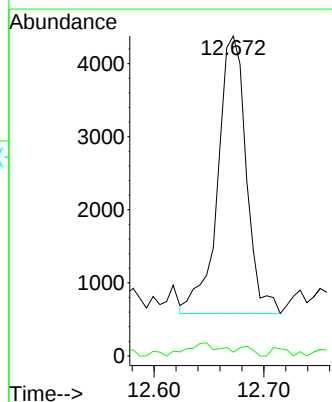
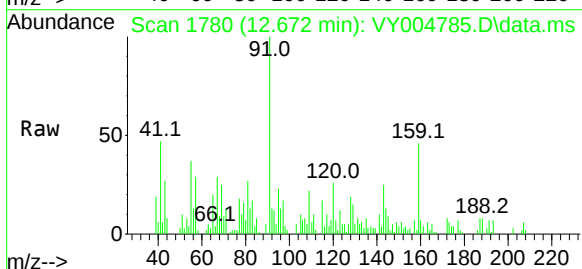
Instrument :
MSVOA_Y
ClientSampled :

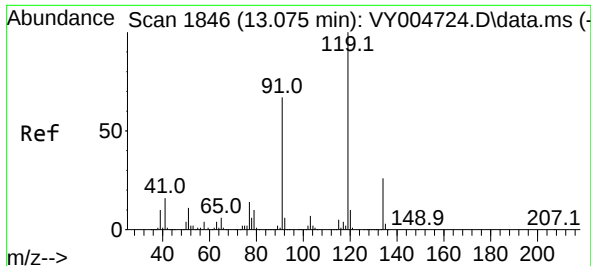
Tgt Ion: 75 Resp: 70812
Ion Ratio Lower Upper
75 100
53 0.4 73.9 110.9#
89 3.7 35.5 53.3#



#82
4-Chlorotoluene
Concen: 1.62 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.183 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 91 Resp: 6872
Ion Ratio Lower Upper
91 100
126 1.7 16.8 50.3#

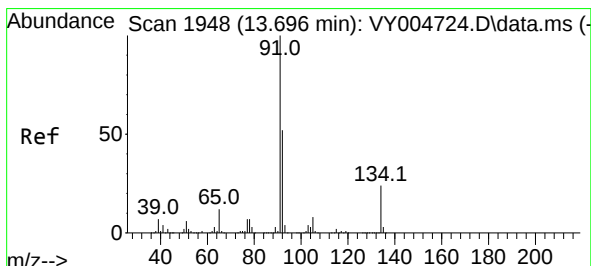
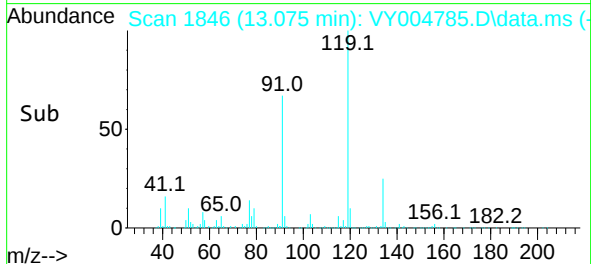
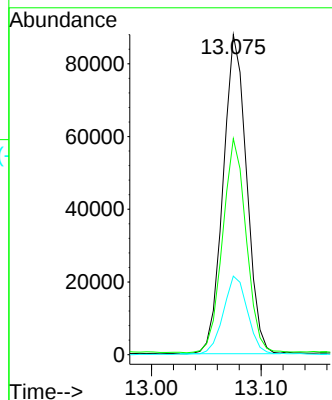
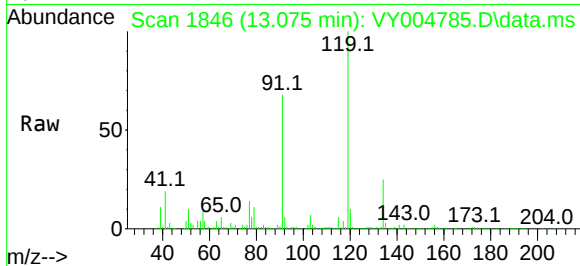




#83
tert-Butylbenzene
Concen: 30.23 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

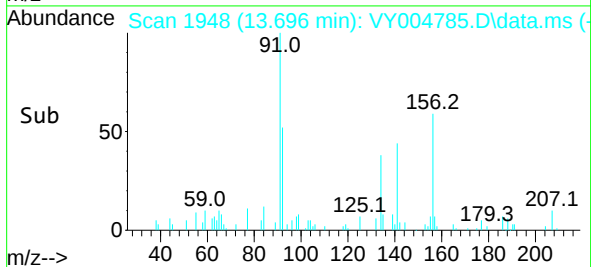
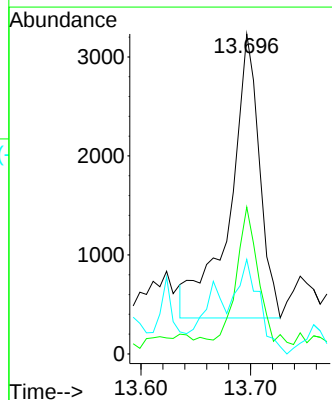
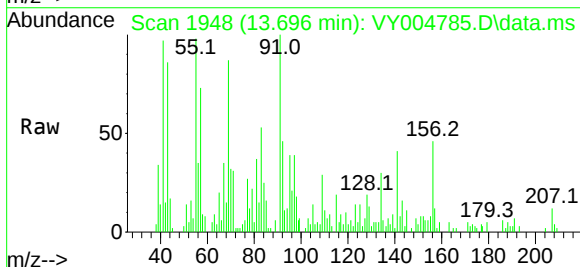
Instrument :
MSVOA_Y
ClientSampled :

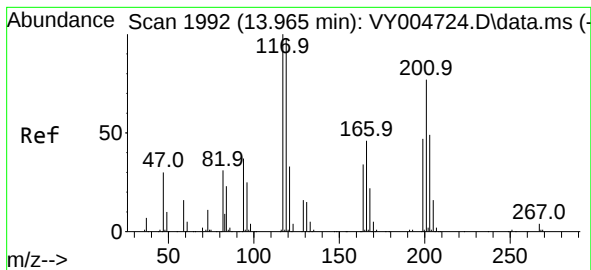
Tgt Ion:119 Resp: 130537
Ion Ratio Lower Upper
119 100
91 67.4 32.3 96.8
134 26.4 12.9 38.7



#89
n-Butylbenzene
Concen: 1.01 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004785.D
Acq: 14 May 2021 16:08

Tgt Ion: 91 Resp: 5357
Ion Ratio Lower Upper
91 100
92 35.7 26.4 79.0
134 26.7 12.6 37.6





#90
 Hexachloroethane
 Concen: 1.51 ug/l
 RT: 13.983 min Scan# 1995
 Delta R.T. 0.018 min
 Lab File: VY004785.D
 Acq: 14 May 2021 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:117 Resp: 1154
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.9 107.8#

