

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004449.D
 Acq On : 15 Apr 2021 18:27
 Operator : SY/MD
 Sample : M2048-12
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:06:16 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	206391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	355750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	337593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153284	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	133770	58.34	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.68%
35) Dibromofluoromethane	7.728	113	107010	54.20	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.40%
50) Toluene-d8	10.185	98	440687	52.48	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.96%
62) 4-Bromofluorobenzene	12.483	95	153021	53.70	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.40%

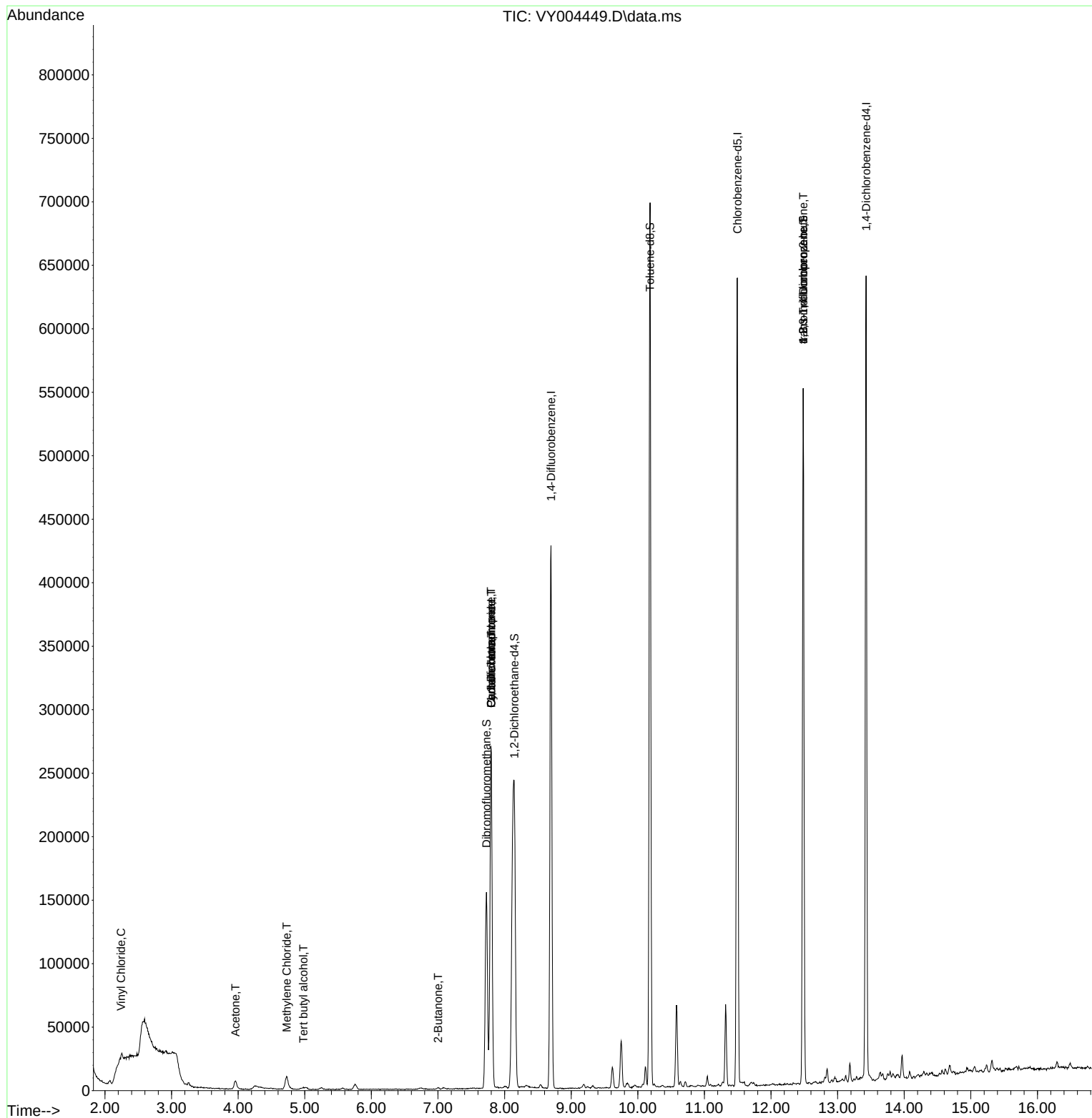
Target Compounds						Qvalue
4) Vinyl Chloride	2.241	62	15397	5.27	ug/l #	47
11) Tert butyl alcohol	4.978	59	2936	12.99	ug/l #	84
16) Acetone	3.960	43	11800	5.43	ug/l	99
20) Methylene Chloride	4.728	84	6686	3.02	ug/l	95
25) 2-Butanone	7.002	43	2021	2.31	ug/l #	90
31) Cyclohexane	7.801	56	5049	1.20	ug/l #	34
36) 1,1-Dichloropropene	7.795	75	16541	4.68	ug/l #	51
38) Carbon Tetrachloride	7.801	117	21250	6.95	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	84404	51.30	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	84404	91.78	ug/l #	12

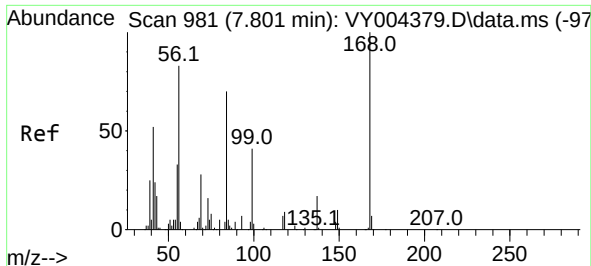
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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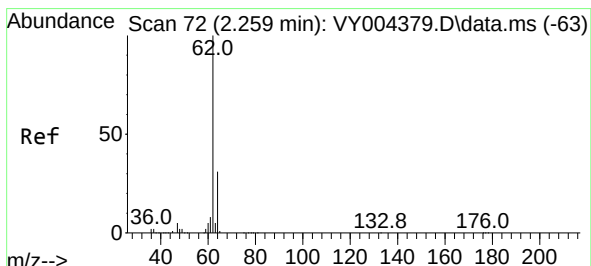
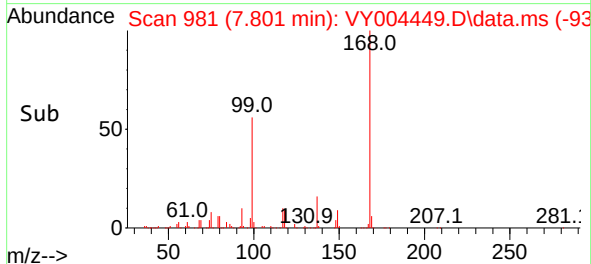
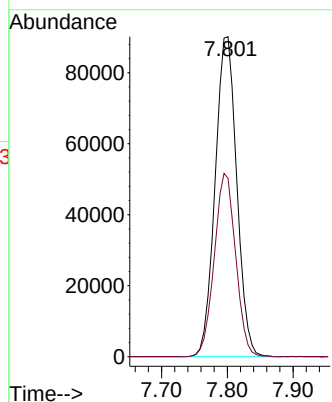
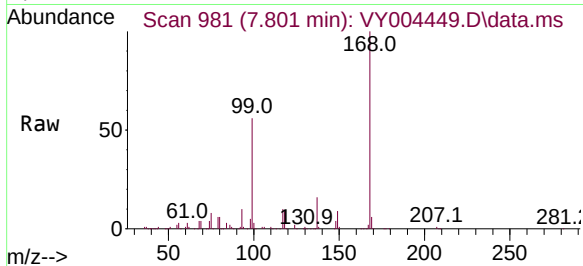




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

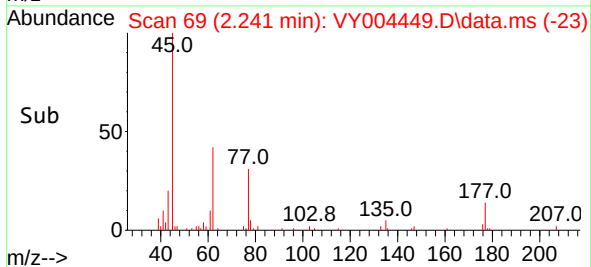
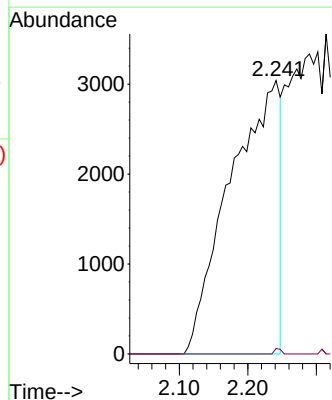
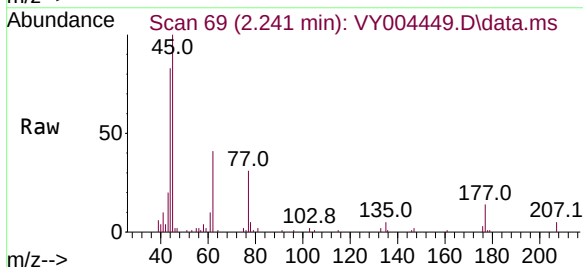
Instrument :
MSVOA_Y
ClientSampleId :

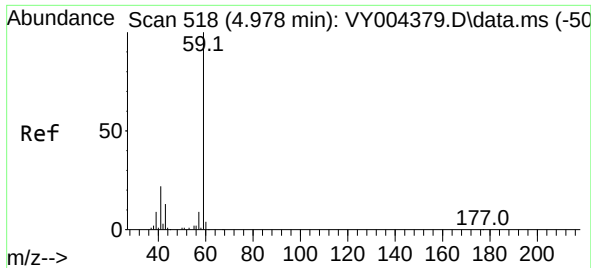
Tgt Ion:168 Resp: 206391
Ion Ratio Lower Upper
168 100
99 55.7 45.5 68.3



#4
Vinyl Chloride
Concen: 5.27 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.018 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Tgt Ion: 62 Resp: 15397
Ion Ratio Lower Upper
62 100
64 2.0 25.1 37.7#

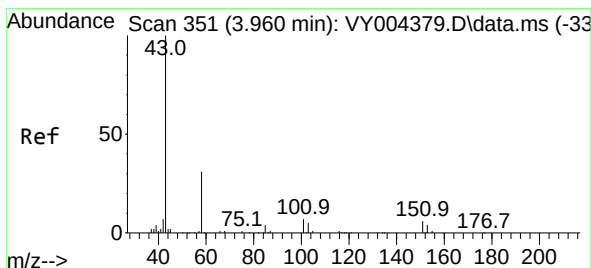
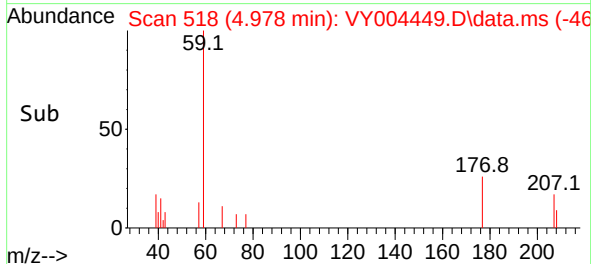
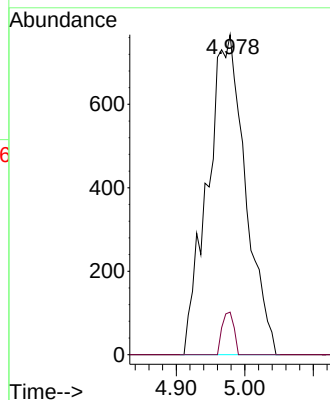
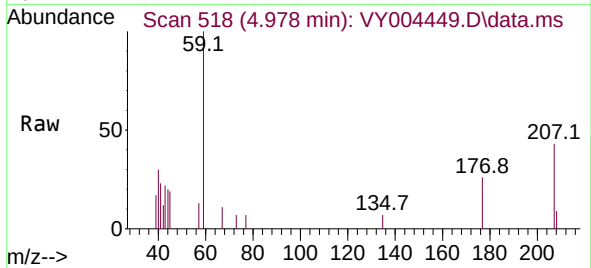




#11
Tert butyl alcohol
Concen: 12.99 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

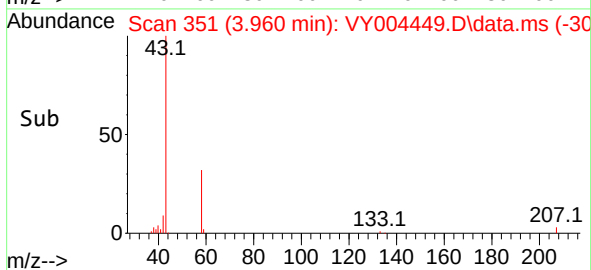
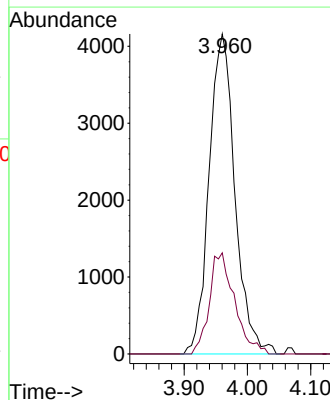
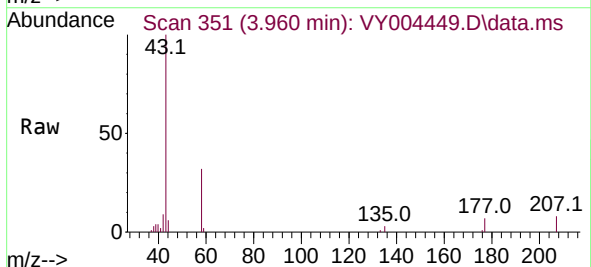
Instrument :
MSVOA_Y
ClientSampleId :

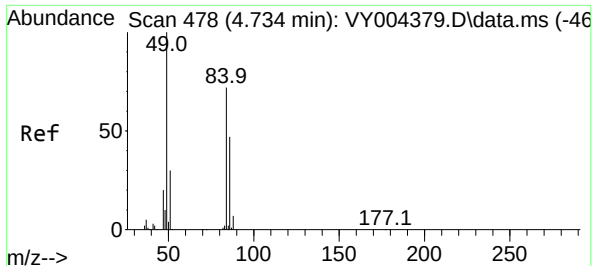
Tgt Ion: 59 Resp: 2936
Ion Ratio Lower Upper
59 100
57 4.1 8.1 12.1#



#16
Acetone
Concen: 5.43 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Tgt Ion: 43 Resp: 11800
Ion Ratio Lower Upper
43 100
58 31.6 24.6 37.0



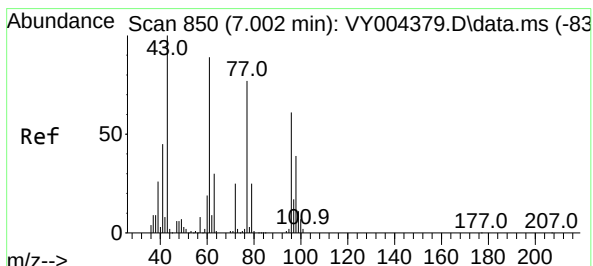
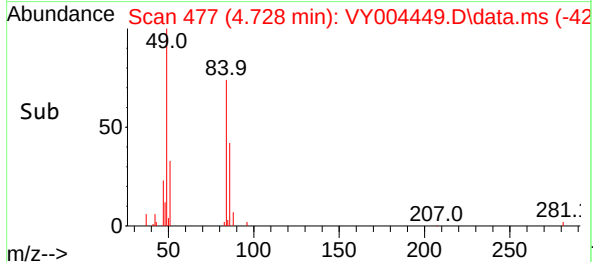
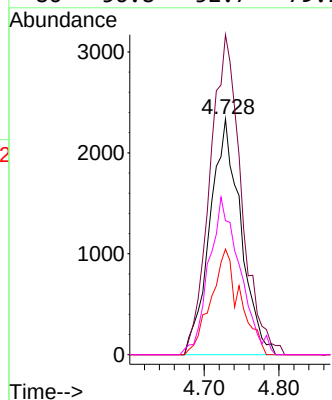
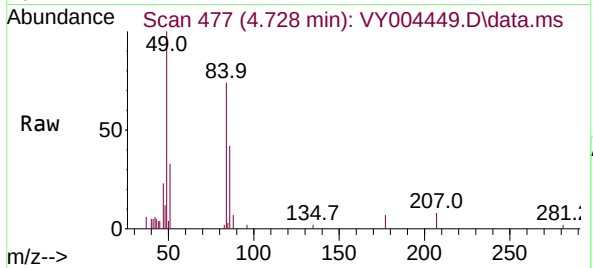


#20
Methylene Chloride
Concen: 3.02 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 6686

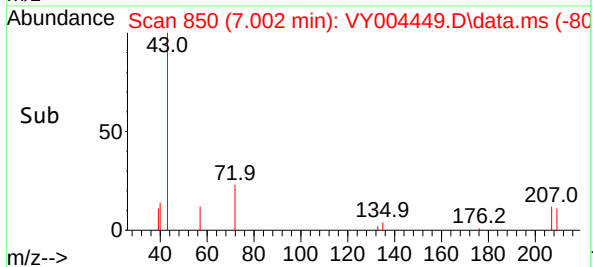
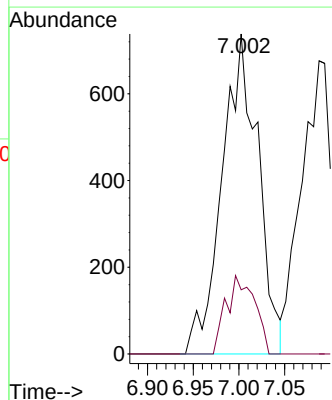
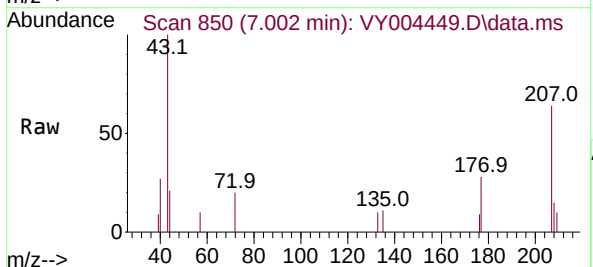
Ion	Ratio	Lower	Upper
84	100		
49	135.8	111.2	166.8
51	44.8	33.4	50.2
86	56.8	52.7	79.1

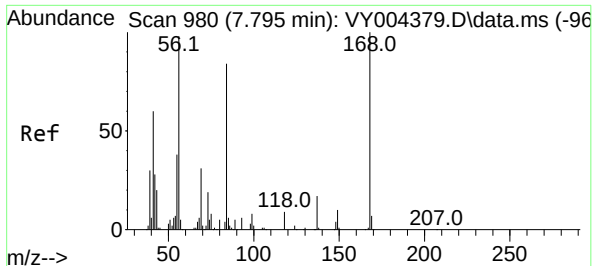


#25
2-Butanone
Concen: 2.31 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Tgt Ion: 43 Resp: 2021

Ion	Ratio	Lower	Upper
43	100		
72	20.1	20.2	30.2#

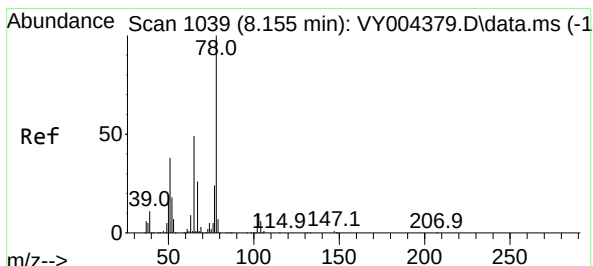
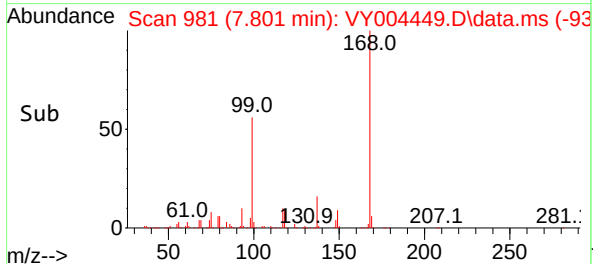
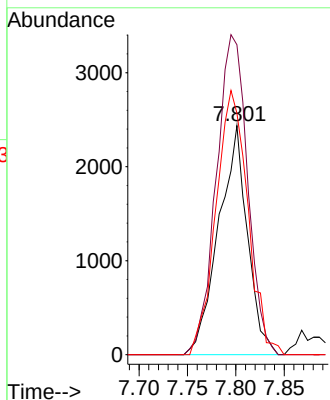
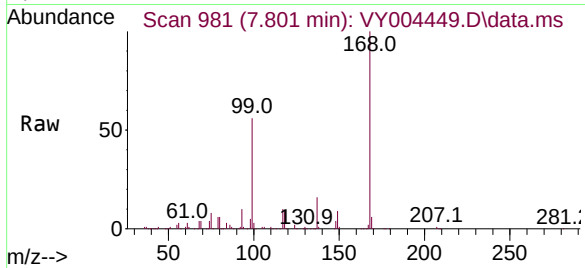




#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

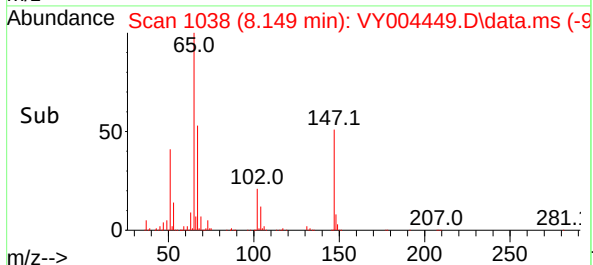
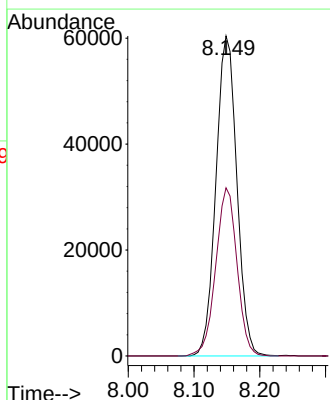
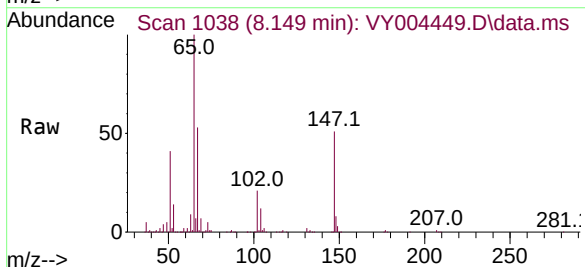
Instrument :
MSVOA_Y
ClientSampleId :

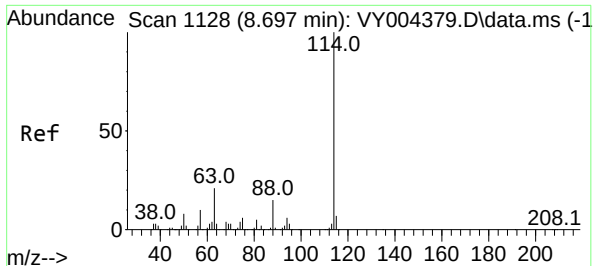
Tgt Ion: 56 Resp: 5049
Ion Ratio Lower Upper
56 100
69 135.3 25.8 38.6#
84 105.4 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 58.34 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Tgt Ion: 65 Resp: 133770
Ion Ratio Lower Upper
65 100
67 53.4 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: VY004449.D

Acq: 15 Apr 2021 18:27

Tgt Ion:114 Resp: 355750

Ion Ratio Lower Upper

114 100

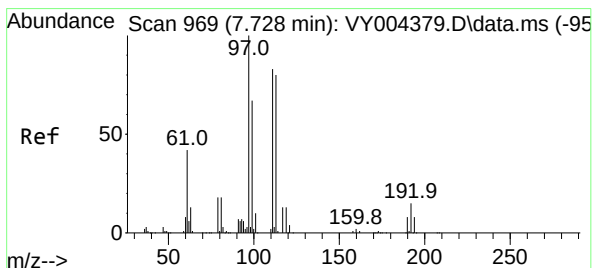
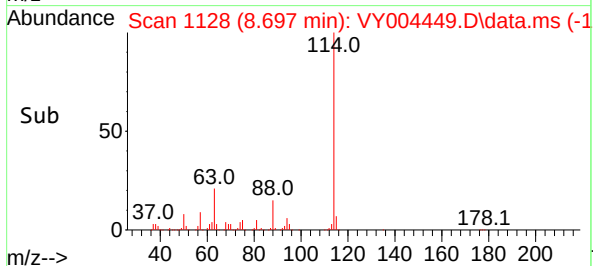
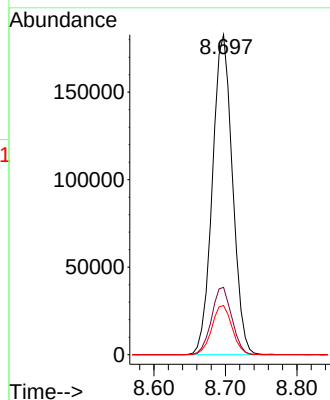
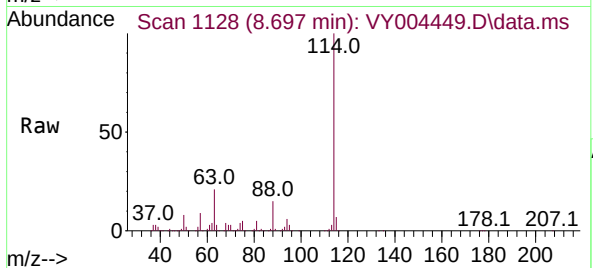
63 21.1 0.0 42.4

88 15.4 0.0 30.8

Instrument :

MSVOA_Y

ClientSampleId :



#35

Dibromofluoromethane

Concen: 54.20 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004449.D

Acq: 15 Apr 2021 18:27

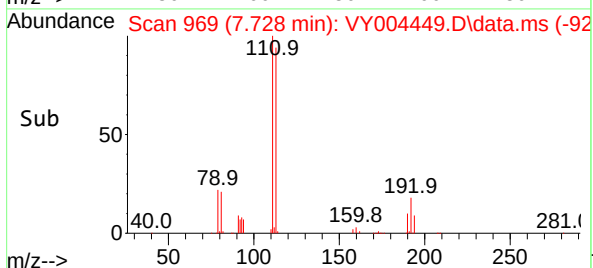
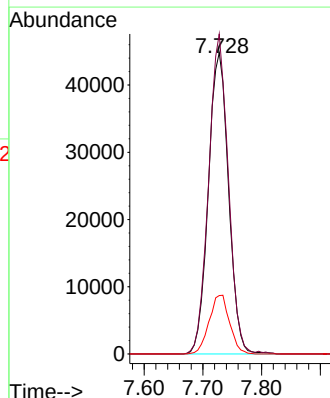
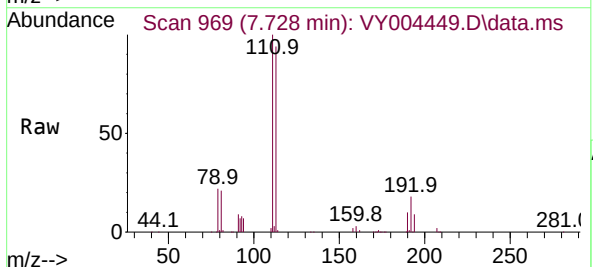
Tgt Ion:113 Resp: 107010

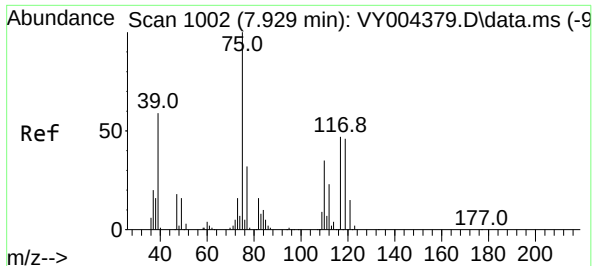
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 19.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.68 ug/l

RT: 7.795 min Scan# 980

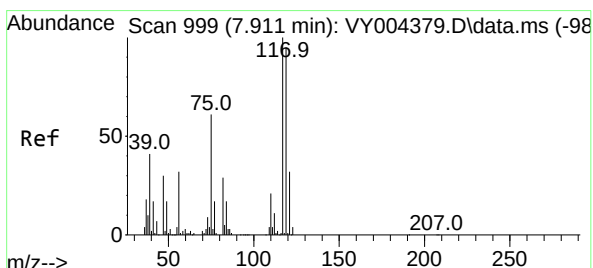
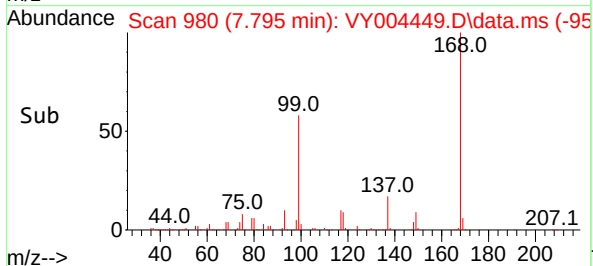
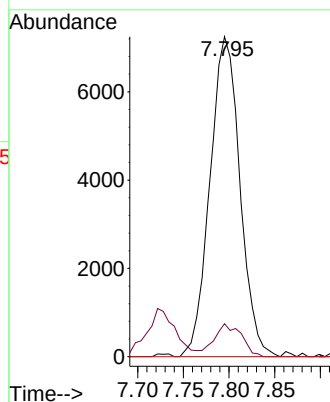
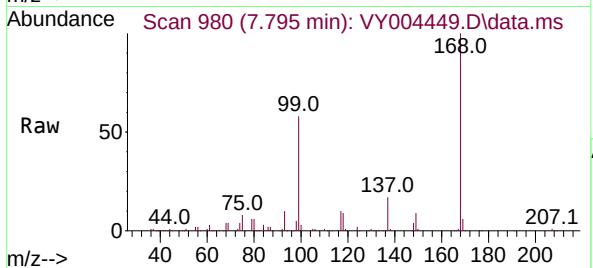
Delta R.T. -0.134 min

Lab File: VY004449.D

Acq: 15 Apr 2021 18:27

Tgt Ion:	75	Resp:	16541
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.3	51.7#
77	0.0	24.3	36.5#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.95 ug/l

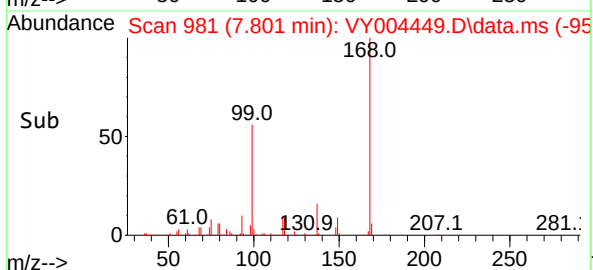
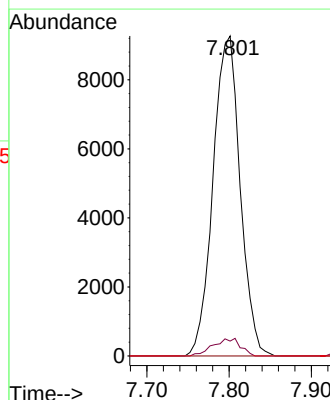
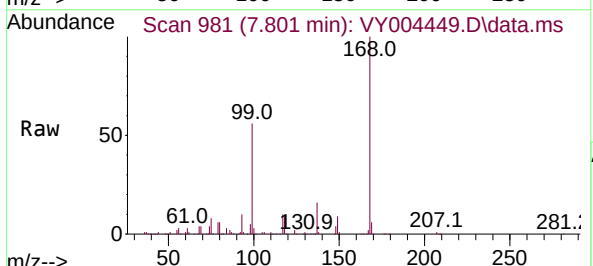
RT: 7.801 min Scan# 981

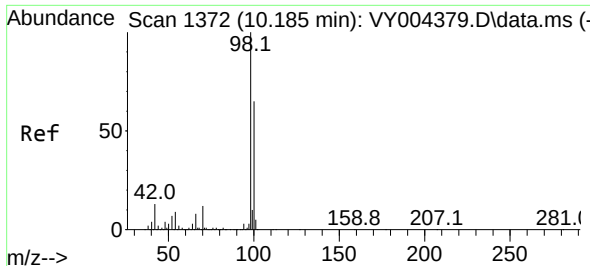
Delta R.T. -0.110 min

Lab File: VY004449.D

Acq: 15 Apr 2021 18:27

Tgt Ion:	117	Resp:	21250
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.8#
121	0.0	25.3	37.9#

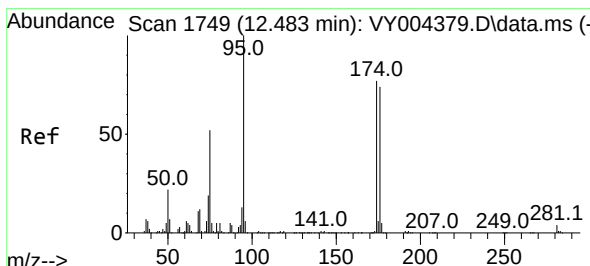
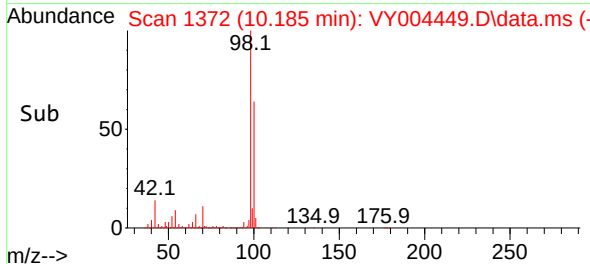
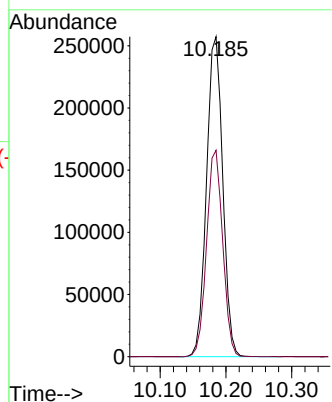
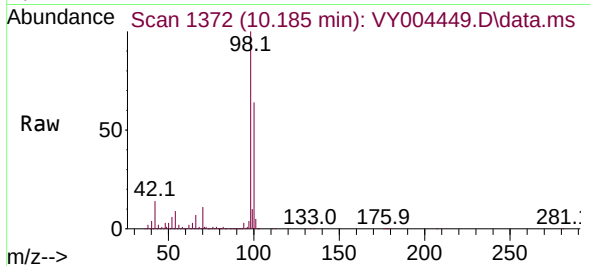




#50
Toluene-d8
Concen: 52.48 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

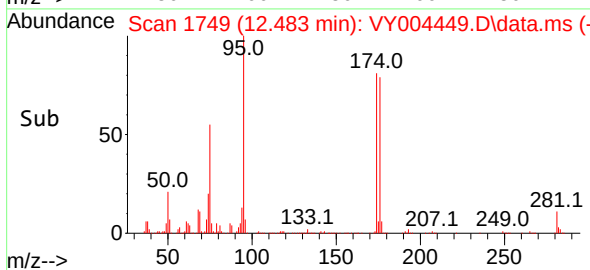
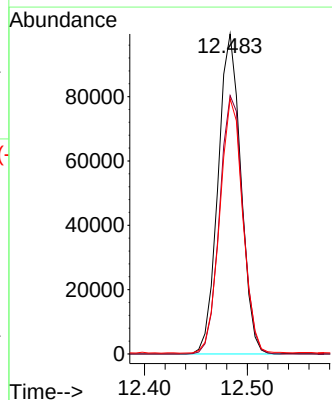
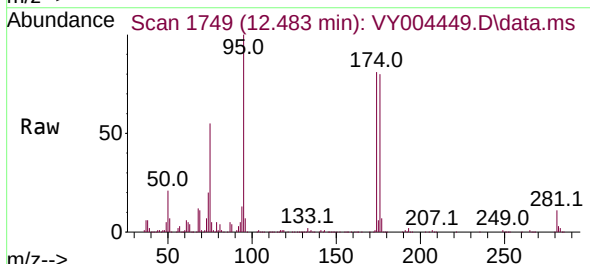
Instrument :
MSVOA_Y
ClientSampled :

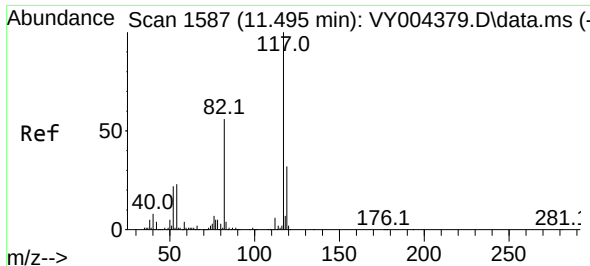
Tgt Ion: 98 Resp: 440687
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 53.70 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Tgt Ion: 95 Resp: 153021
Ion Ratio Lower Upper
95 100
174 82.5 0.0 162.4
176 80.1 0.0 156.0

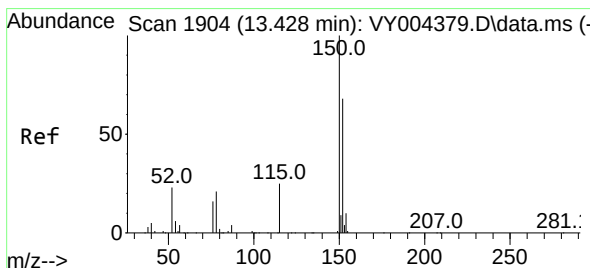
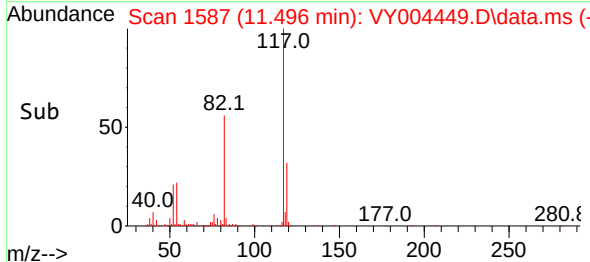
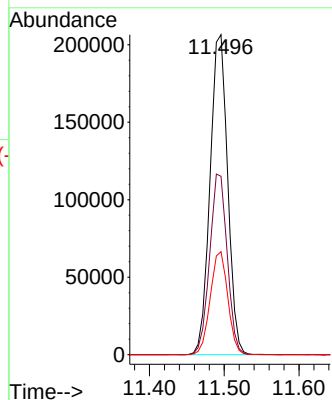
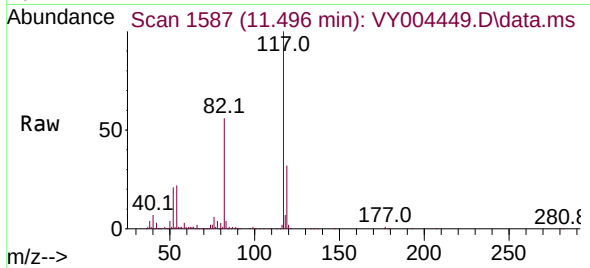




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

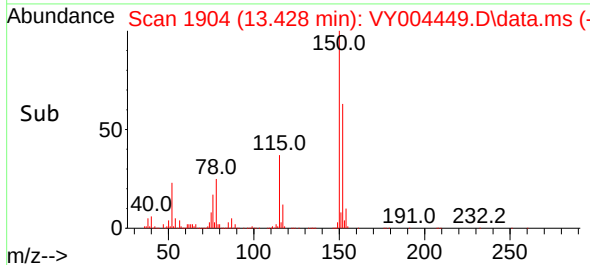
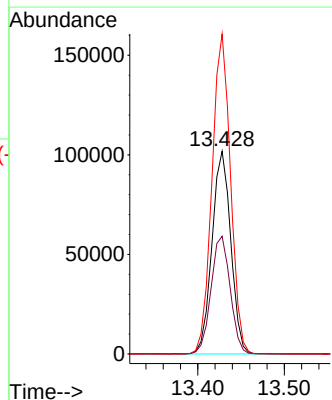
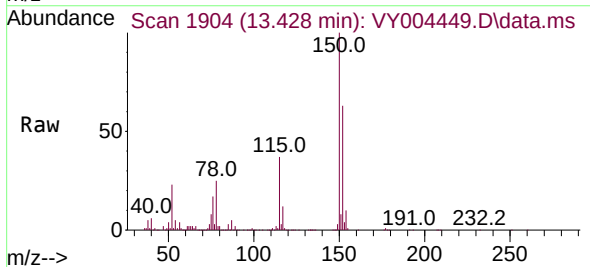
Instrument :
MSVOA_Y
ClientSampled :

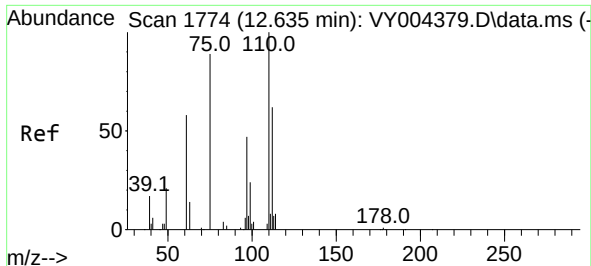
Tgt Ion:117 Resp: 337593
Ion Ratio Lower Upper
117 100
82 55.8 44.9 67.3
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Tgt Ion:152 Resp: 153284
Ion Ratio Lower Upper
152 100
115 59.5 29.6 88.8
150 155.8 0.0 348.4

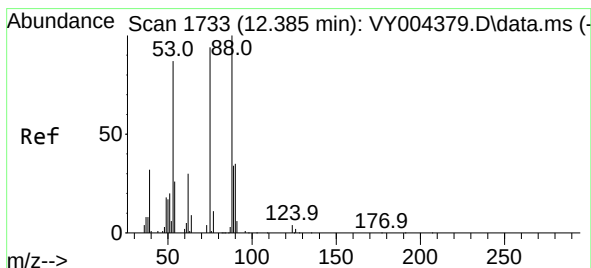
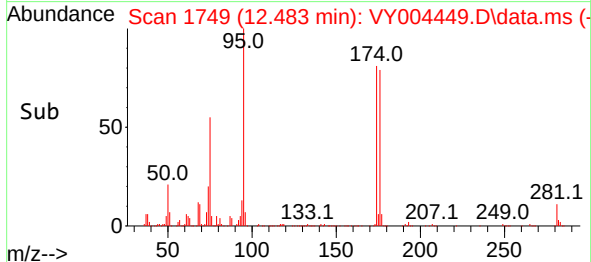
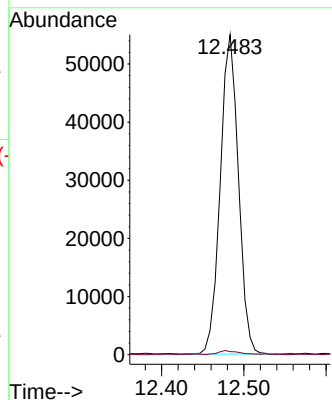
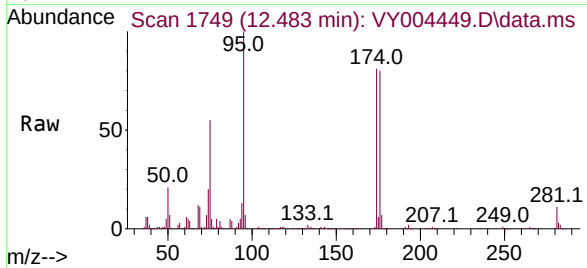




#76
1,2,3-Trichloropropane
Concen: 51.30 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 84404
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.78 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004449.D
Acq: 15 Apr 2021 18:27

Tgt Ion: 75 Resp: 84404
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.3 36.1 54.1#

