

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072721\
 Data File : VY005472.D
 Acq On : 27 Jul 2021 18:10
 Operator : SY/MD
 Sample : M3174-02
 Misc : 5.11G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 28 02:35:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

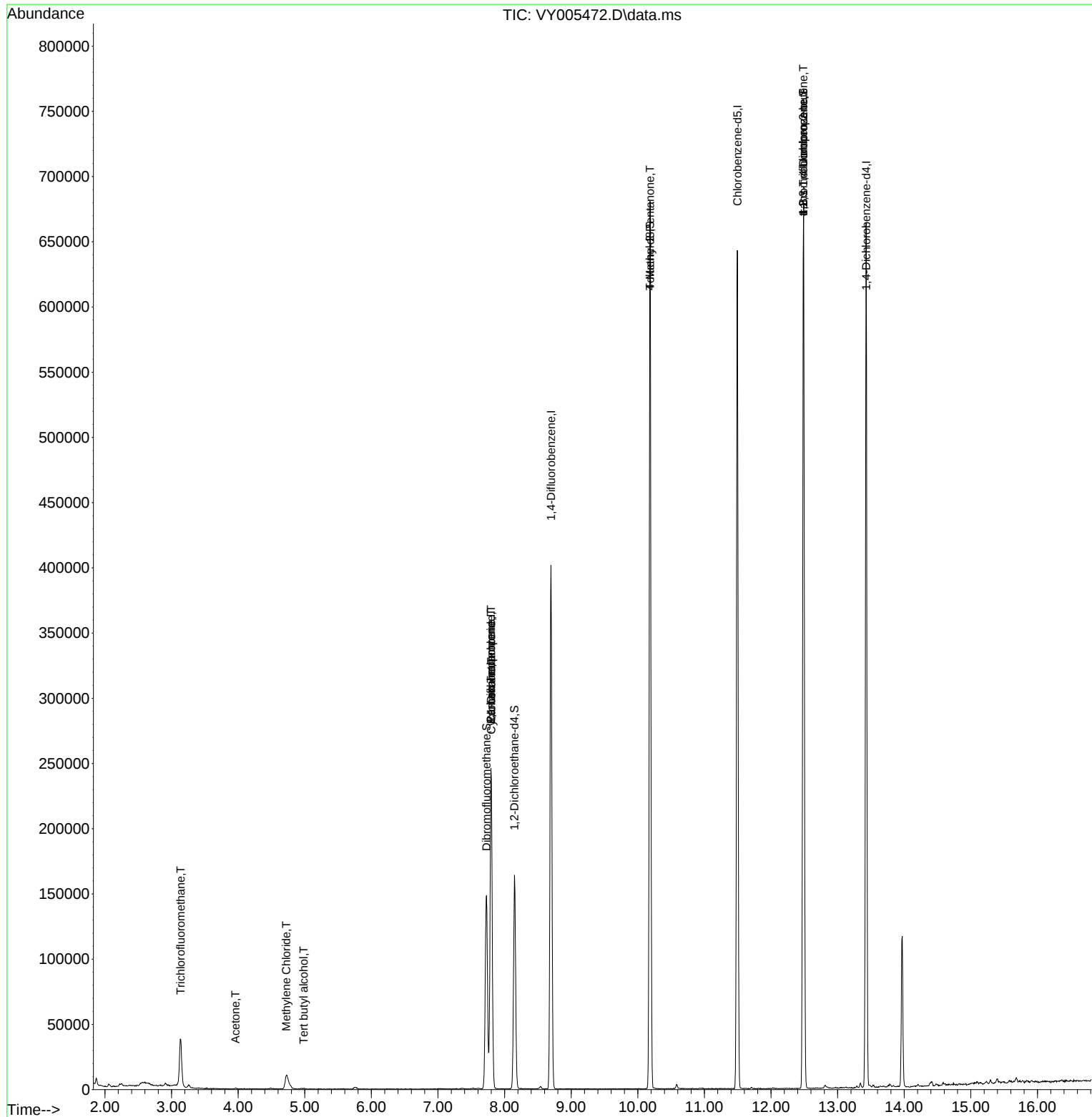
Internal Standards						
1) Pentafluorobenzene	7.795	168	199880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	333332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	334553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	131190	61.436	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.880%			
35) Dibromofluoromethane	7.728	113	101215	52.588	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.180%			
50) Toluene-d8	10.185	98	422550	51.799	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.483	95	147456	54.768	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.540%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.137	101	39554	11.452	ug/l	97
11) Tert butyl alcohol	4.985	59	524	2.598	ug/l #	82
16) Acetone	3.960	43	963	1.975	ug/l	99
20) Methylene Chloride	4.722	84	8093	1.813	ug/l	91
31) Cyclohexane	7.801	56	4014	1.101	ug/l #	33
36) 1,1-Dichloropropene	7.795	75	14155	4.392	ug/l #	50
38) Carbon Tetrachloride	7.795	117	18141	5.151	ug/l #	16
51) 4-Methyl-2-Pentanone	10.185	43	1933	1.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	81917	50.900	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	81917	98.833	ug/l #	12

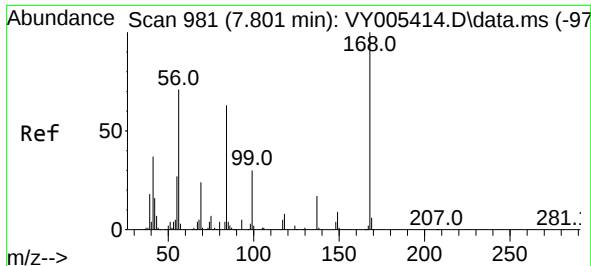
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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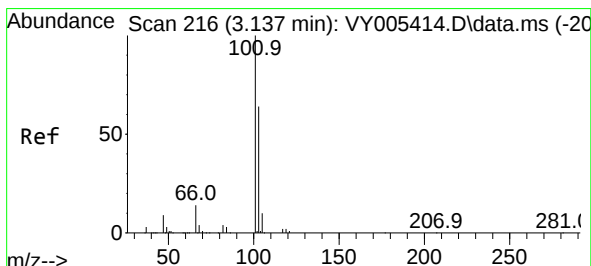
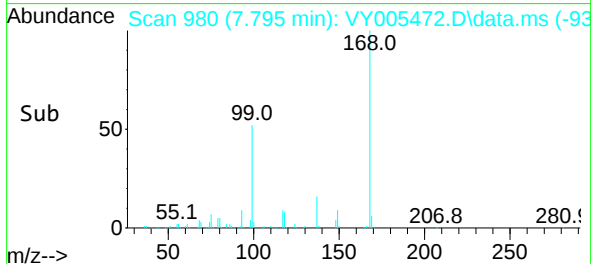
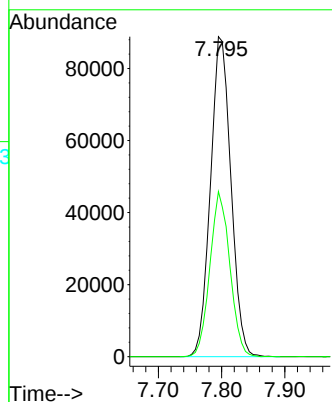
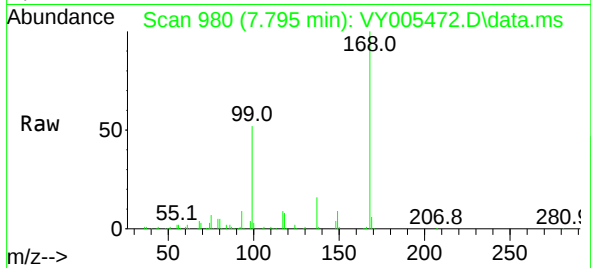




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

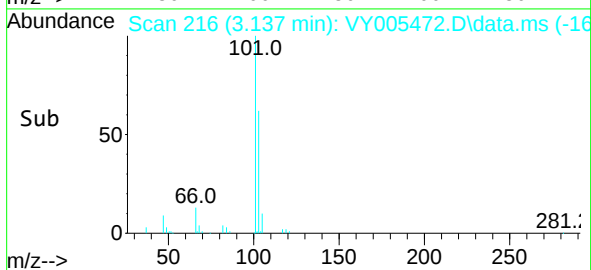
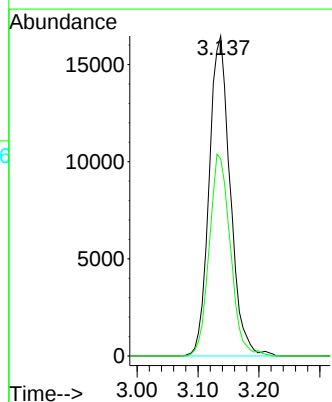
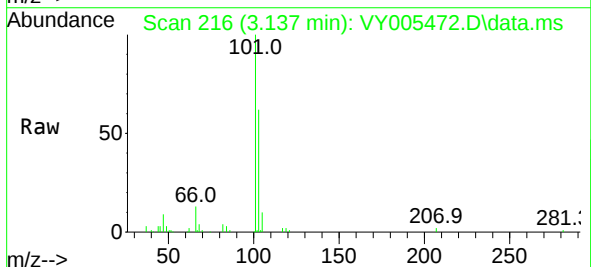
Instrument :
MSVOA_Y
ClientSampled :

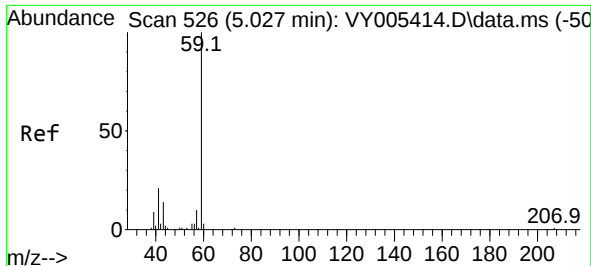
Tgt Ion:168 Resp: 199880
Ion Ratio Lower Upper
168 100
99 51.6 39.8 59.6



#7
Trichlorofluoromethane
Concen: 11.452 ug/l
RT: 3.137 min Scan# 216
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Tgt Ion:101 Resp: 39554
Ion Ratio Lower Upper
101 100
103 61.7 50.9 76.3

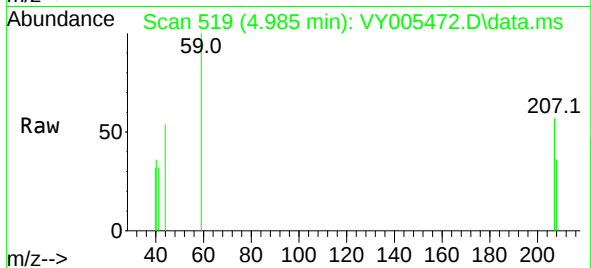




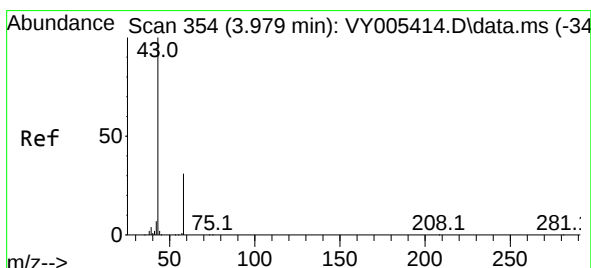
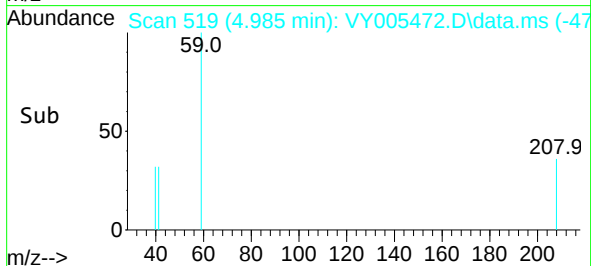
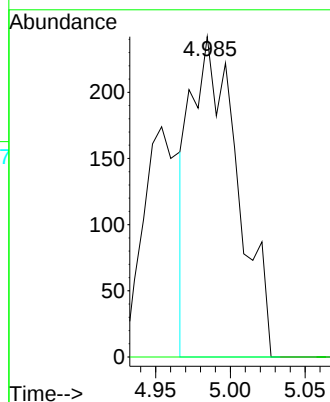
#11

Tert butyl alcohol
Concen: 2.598 ug/l
RT: 4.985 min Scan# 519
Delta R.T. -0.043 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Instrument :
MSVOA_Y
ClientSampled :



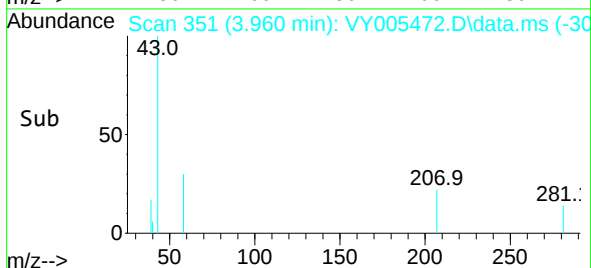
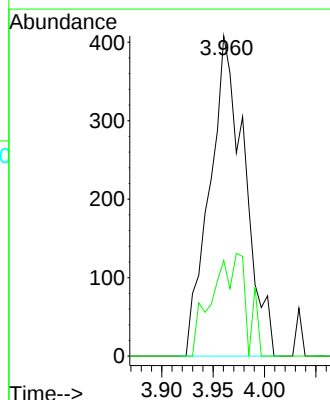
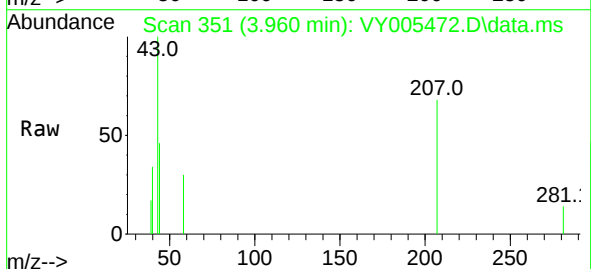
Tgt Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

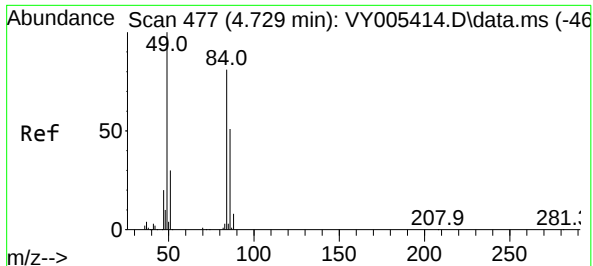


#16

Acetone
Concen: 1.975 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 29.9 24.5 36.7





#20

Methylene Chloride

Concen: 1.813 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY005472.D

Acq: 27 Jul 2021 18:10

Tgt Ion: 84 Resp: 8093

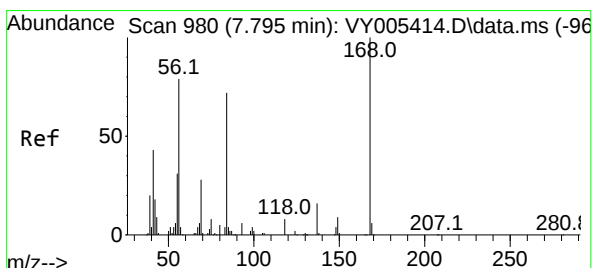
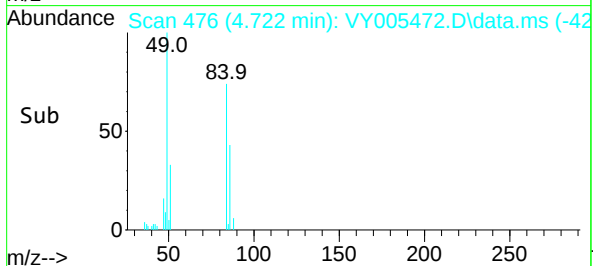
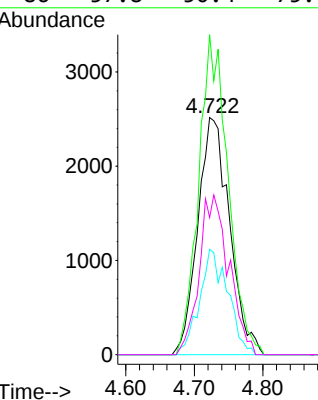
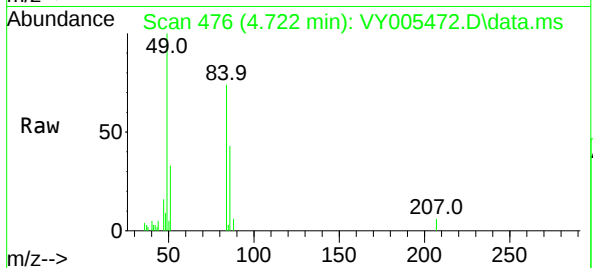
Ion Ratio Lower Upper

84 100

49 134.9 98.9 148.3

51 44.5 30.0 45.0

86 57.8 50.4 75.6



#31

Cyclohexane

Concen: 1.101 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY005472.D

Acq: 27 Jul 2021 18:10

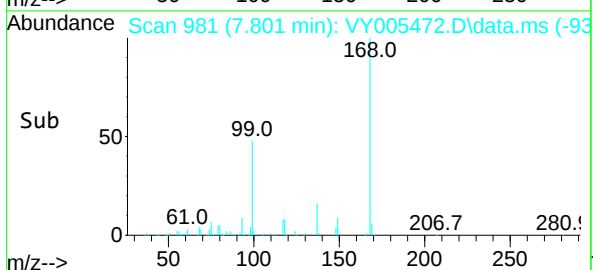
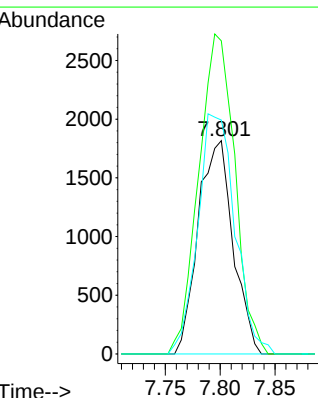
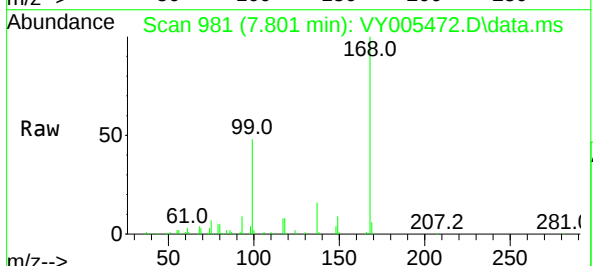
Tgt Ion: 56 Resp: 4014

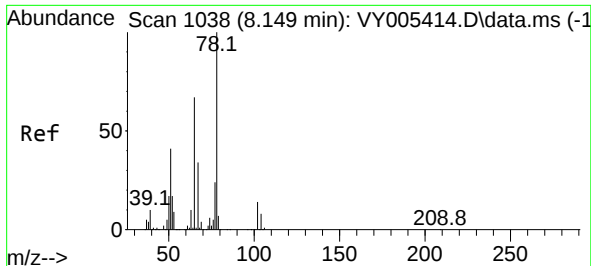
Ion Ratio Lower Upper

56 100

69 146.8 28.7 43.1#

84 109.7 73.0 109.6#

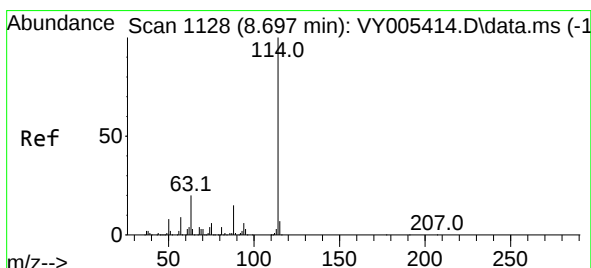
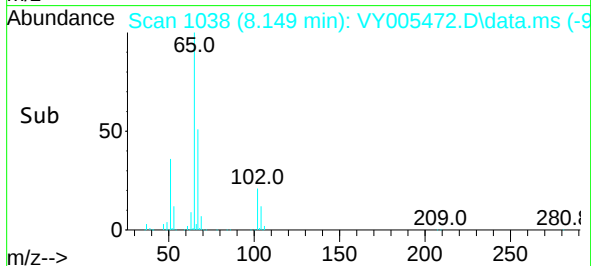
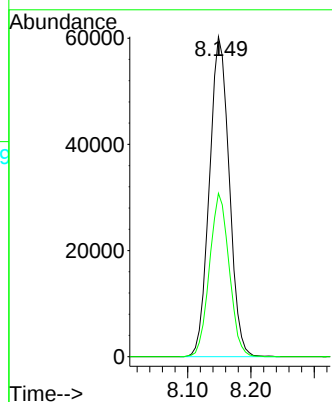
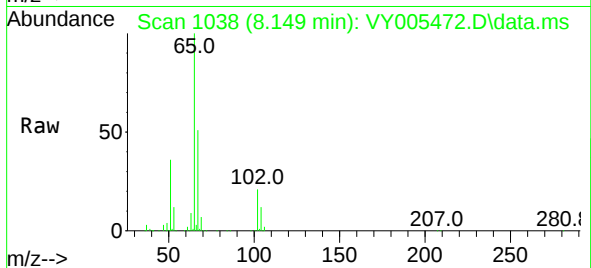




#33
1,2-Dichloroethane-d4
Concen: 61.436 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

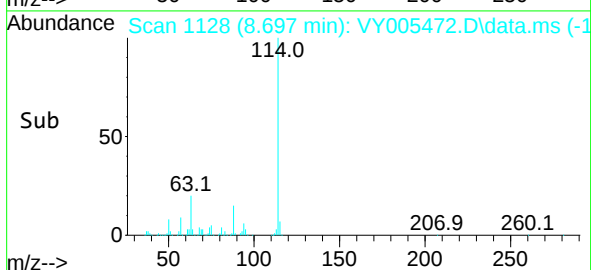
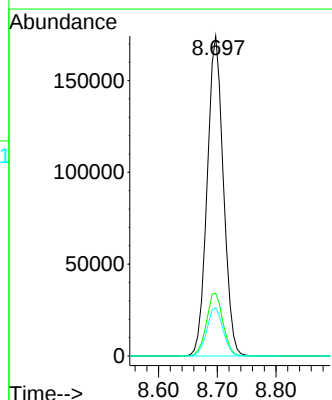
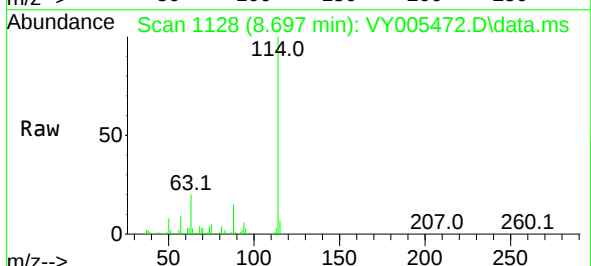
Instrument :
MSVOA_Y
ClientSampled :

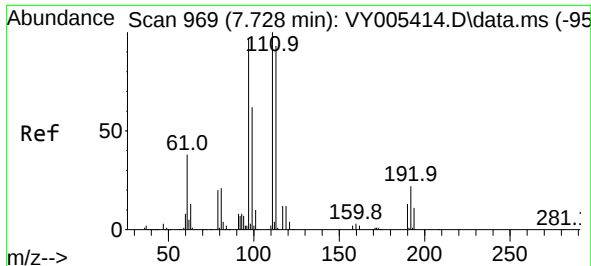
Tgt Ion: 65 Resp: 131190
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

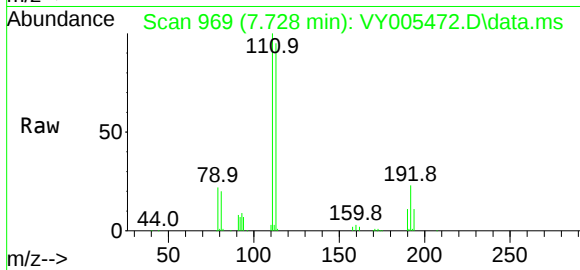
Tgt Ion:114 Resp: 333332
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.0
88 15.0 0.0 30.8



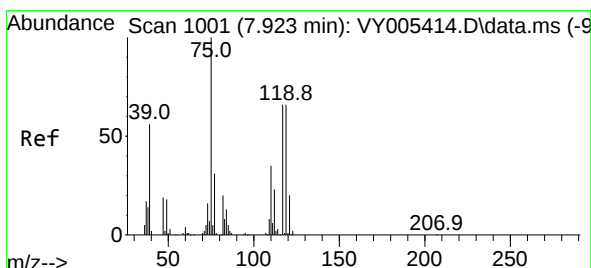
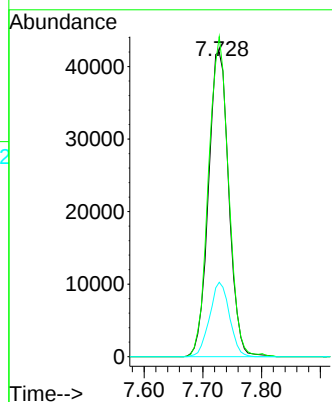
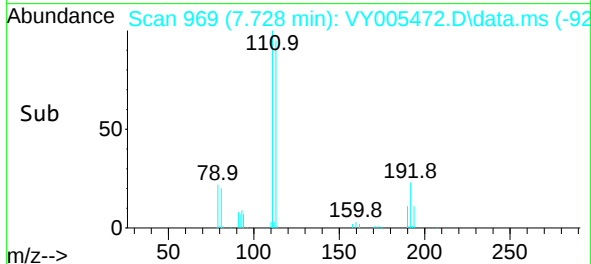


#35
Dibromofluoromethane
Concen: 52.588 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

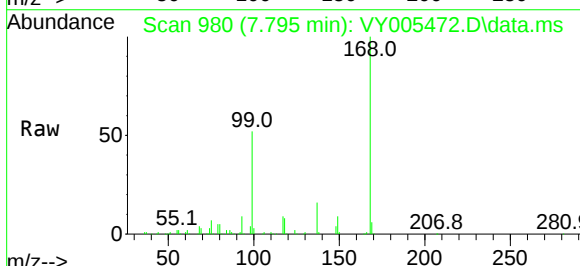
Instrument :
MSVOA_Y
ClientSampleId :



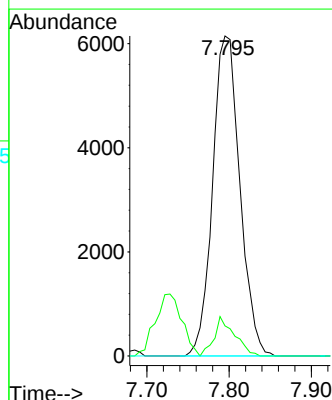
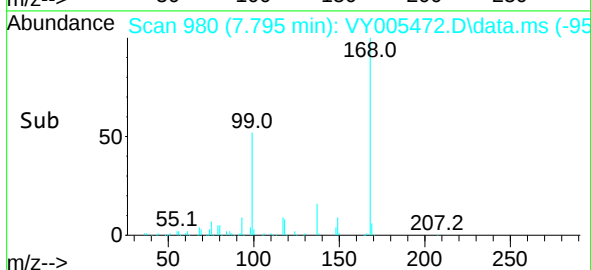
Tgt Ion:113 Resp: 101215
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 23.8 18.9 28.3

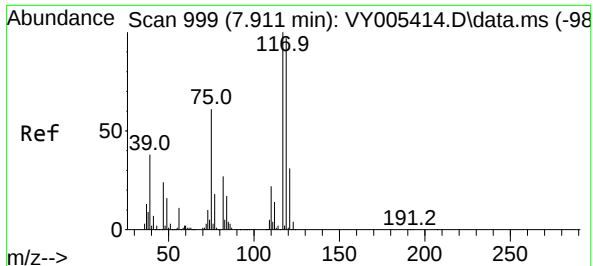


#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10



Tgt Ion: 75 Resp: 14155
Ion Ratio Lower Upper
75 100
110 9.2 17.6 52.9#
77 0.0 24.6 37.0#

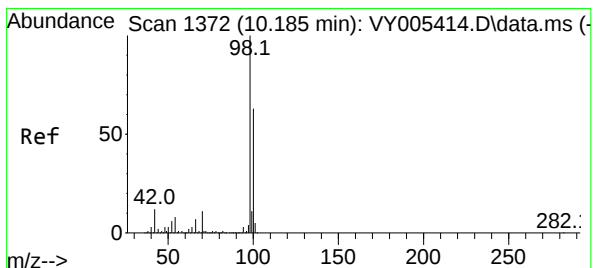
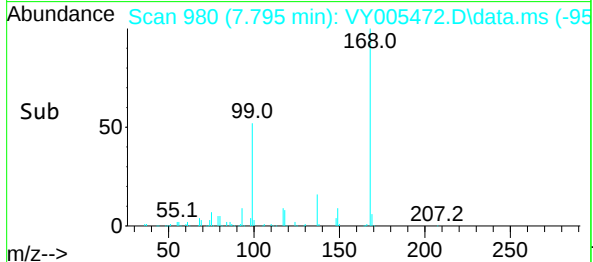
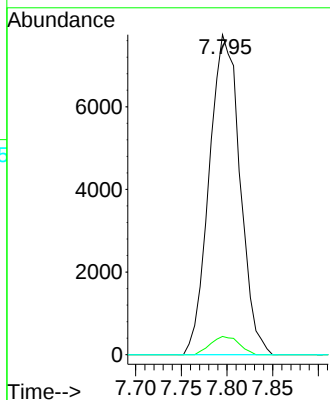
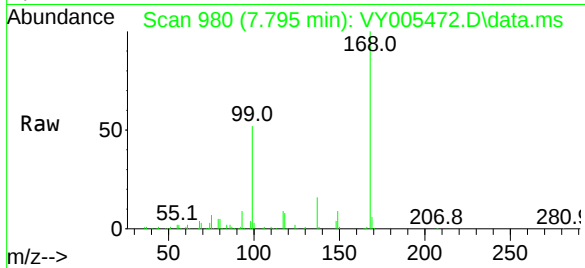




#38
Carbon Tetrachloride
Concen: 5.151 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

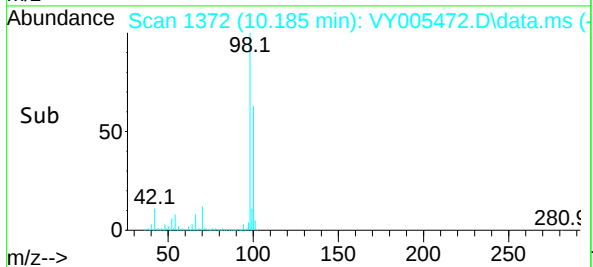
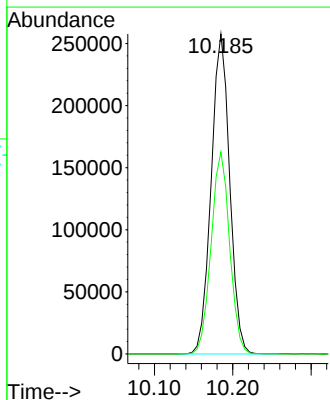
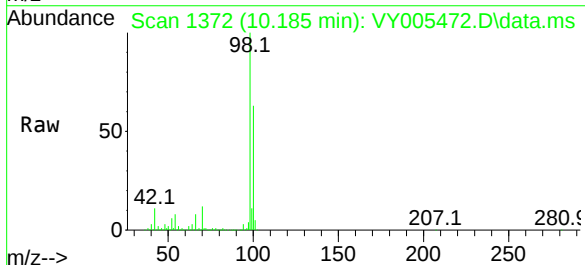
Instrument :
MSVOA_Y
ClientSampleId :

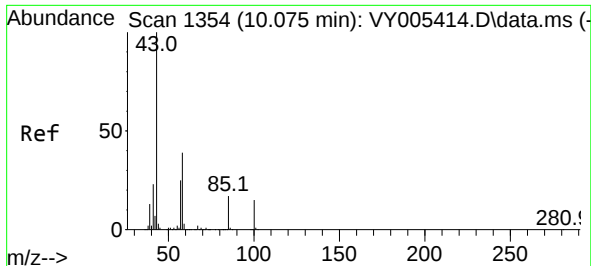
Tgt Ion:117 Resp: 18141
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 51.799 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Tgt Ion: 98 Resp: 422550
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

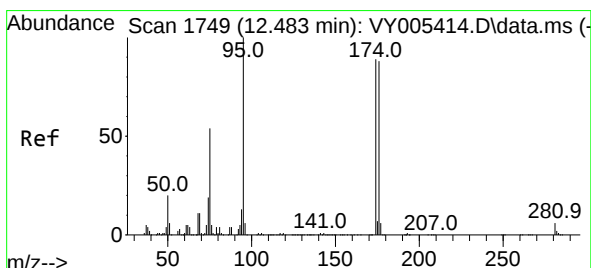
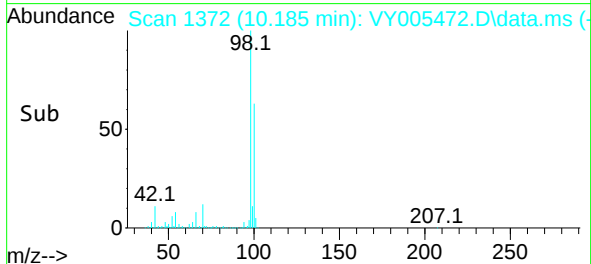
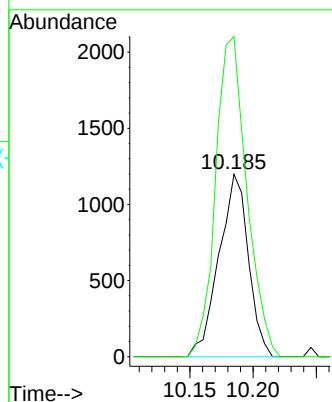
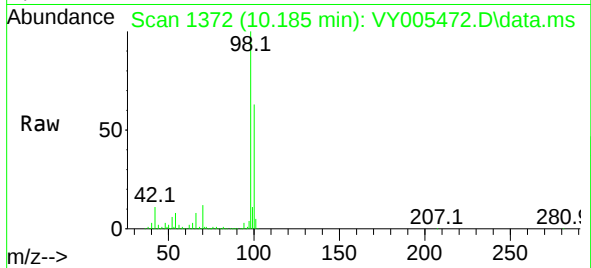




#51
4-Methyl-2-Pentanone
Concen: 1.025 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

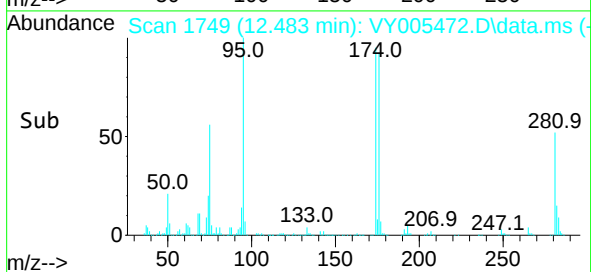
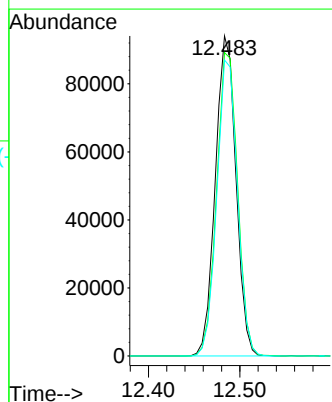
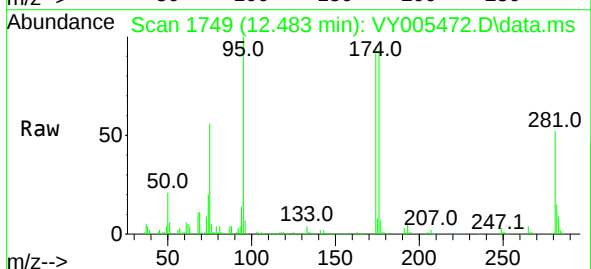
Instrument :
MSVOA_Y
ClientSampleId :

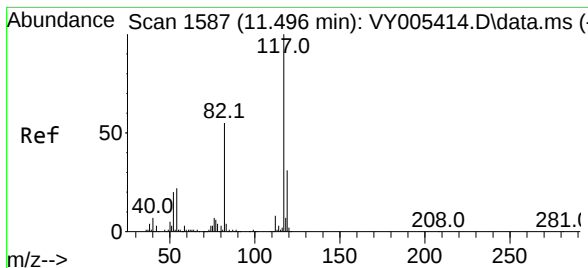
Tgt Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
58 186.2 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 54.768 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Tgt Ion: 95 Resp: 147456
Ion Ratio Lower Upper
95 100
174 96.3 0.0 186.6
176 92.4 0.0 182.4

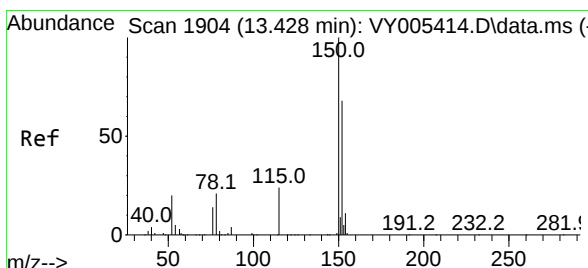
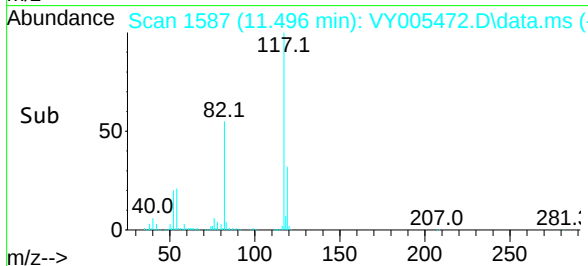
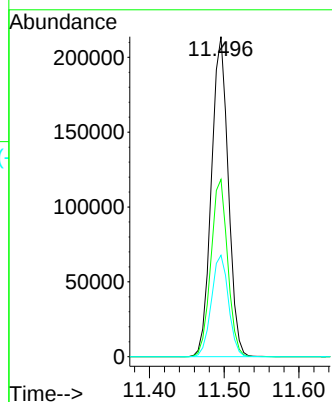
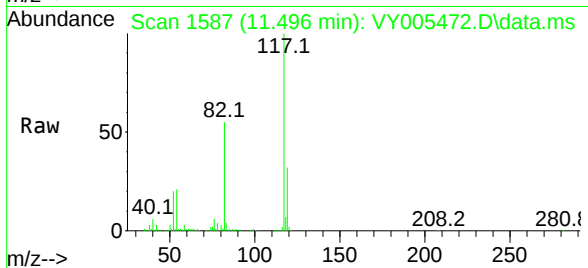




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

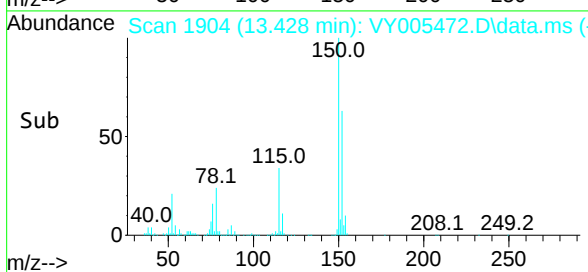
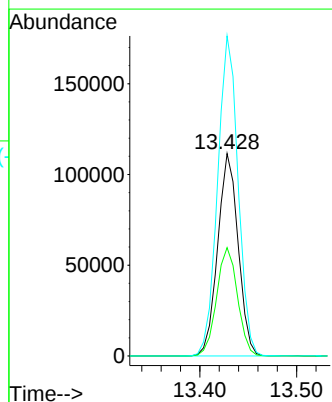
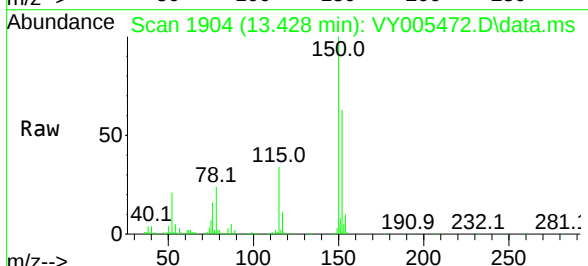
Instrument :
MSVOA_Y
ClientSampleId :

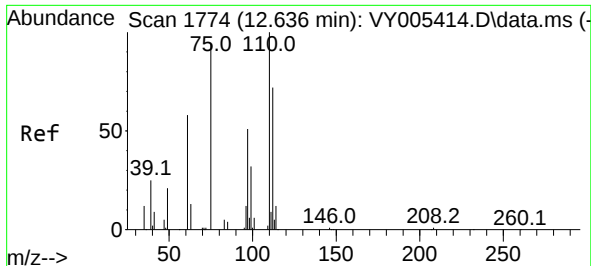
Tgt Ion:117 Resp: 334553
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.6
119 31.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Tgt Ion:152 Resp: 163559
Ion Ratio Lower Upper
152 100
115 54.7 27.7 83.1
150 158.3 0.0 349.6

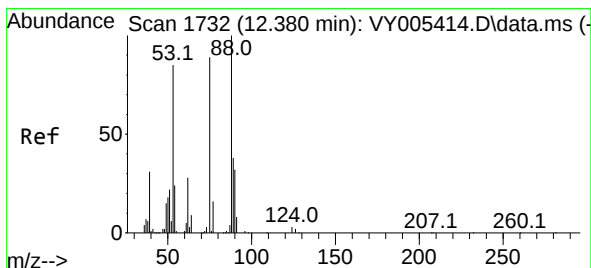
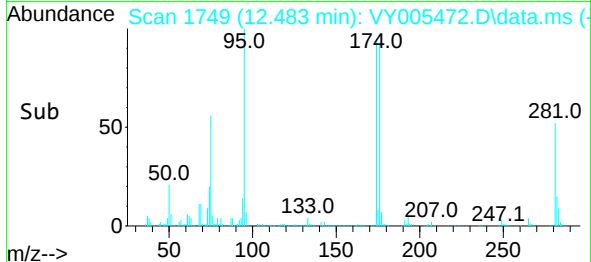
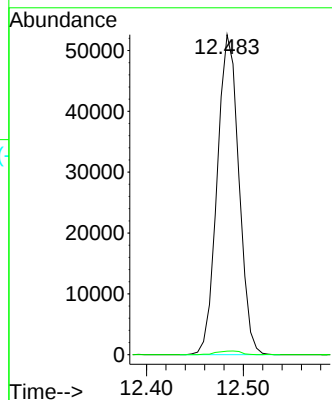
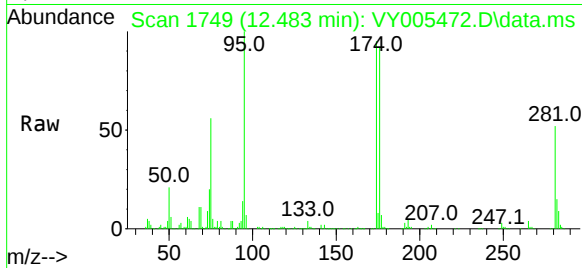




#76
1,2,3-Trichloropropane
Concen: 50.900 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 81917
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.833 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005472.D
Acq: 27 Jul 2021 18:10

Tgt Ion: 75 Resp: 81917
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.7 36.9 55.3#

