

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007733.D
 Acq On : 04 Mar 2022 03:41
 Operator : SY/MD
 Sample : N1730-12
 Misc : 5.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 04 07:32:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

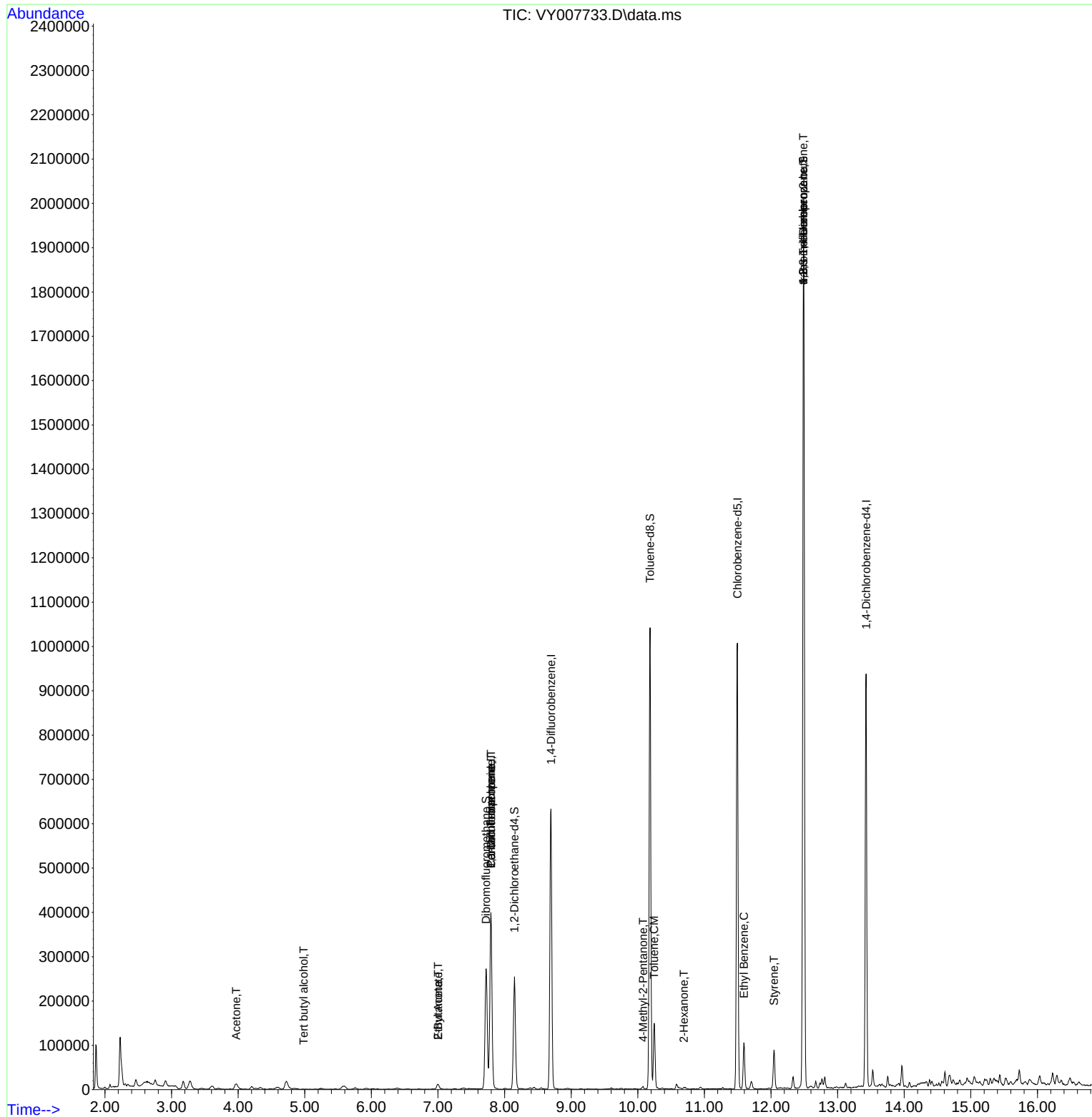
Internal Standards						
1) Pentafluorobenzene	7.795	168	316383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	558739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	553053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	241505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	182030	54.957	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.920%	
35) Dibromofluoromethane	7.722	113	186031	52.078	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.160%	
50) Toluene-d8	10.185	98	689038	52.401	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	12.483	95	231019	54.503	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	196	Below Cal		98
3) Chloromethane	2.113	50	1078	Below Cal	#	77
11) Tert butyl alcohol	4.984	59	400	1.395	ug/l #	77
13) Acrolein	3.729	56	21	Below Cal	#	14
16) Acetone	3.972	43	20751	30.797	ug/l	97
17) Carbon Disulfide	4.204	76	11358	Below Cal		100
18) Methyl Acetate	4.497	43	1342	Below Cal	#	84
20) Methylene Chloride	4.722	84	13559	Below Cal		92
25) 2-Butanone	7.002	43	18219	16.118	ug/l	100
31) Cyclohexane	7.795	56	7182	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	22865	4.069	ug/l #	52
37) Ethyl Acetate	7.002	43	18219	5.870	ug/l #	72
38) Carbon Tetrachloride	7.795	117	30022	5.008	ug/l #	15
51) 4-Methyl-2-Pentanone	10.081	43	3436	1.119	ug/l #	85
52) Toluene	10.246	92	61179	6.050	ug/l	98
59) 2-Hexanone	10.691	43	2676	1.294	ug/l	72
67) Ethyl Benzene	11.593	91	67264	3.096	ug/l	95
70) Styrene	12.044	104	40889	3.091	ug/l #	87
76) 1,2,3-Trichloropropane	12.483	75	140107	51.948	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	140107	106.202	ug/l #	8

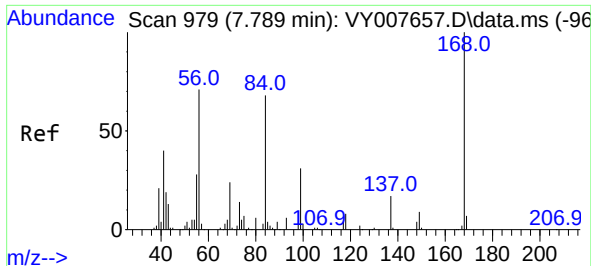
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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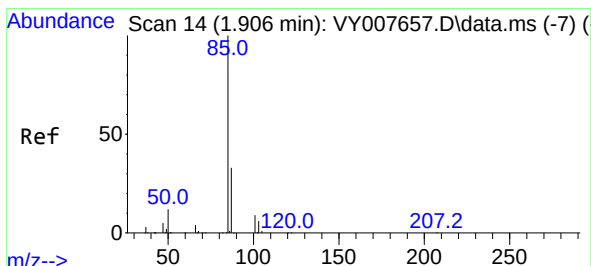
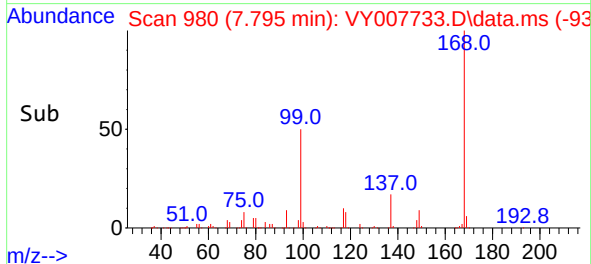
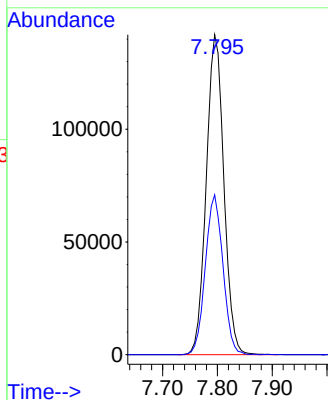
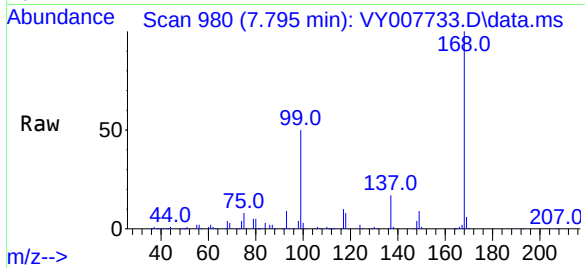




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

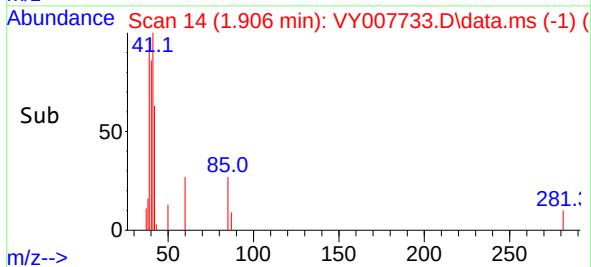
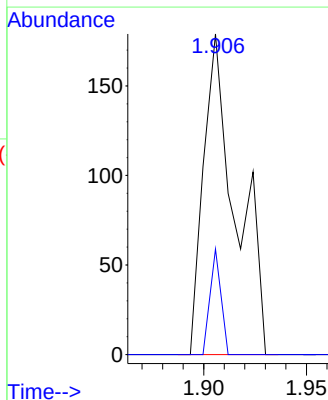
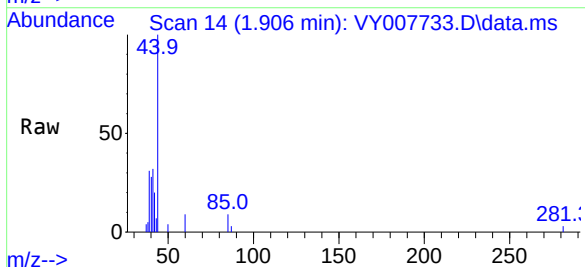
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 316383
Ion Ratio Lower Upper
168 100
99 49.9 46.9 70.3

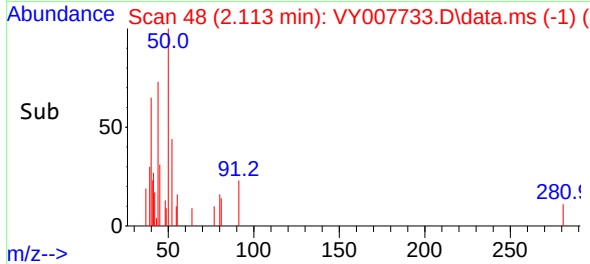
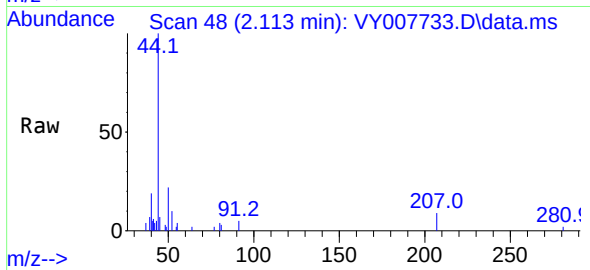
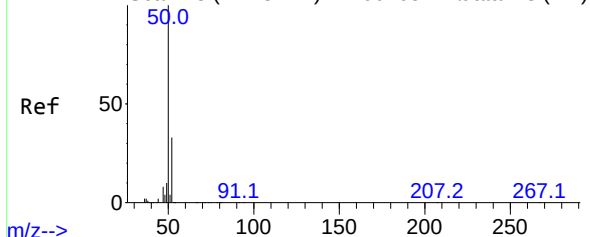


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

Tgt Ion: 85 Resp: 196
Ion Ratio Lower Upper
85 100
87 33.0 16.1 48.2



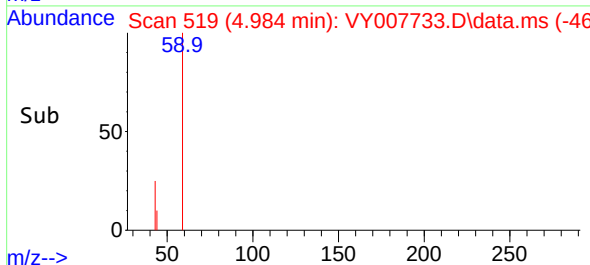
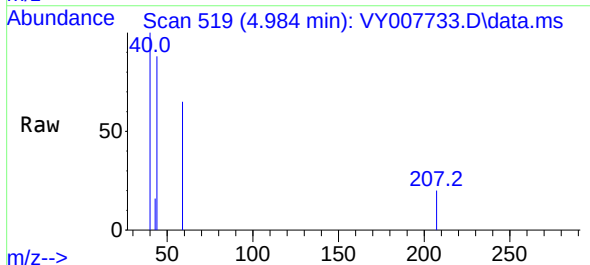
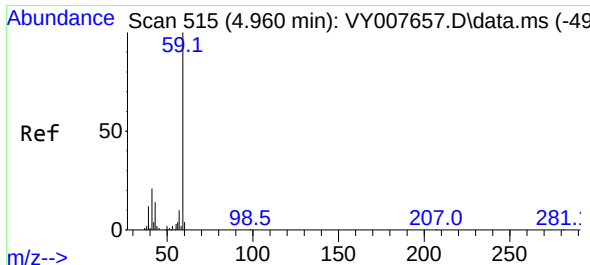
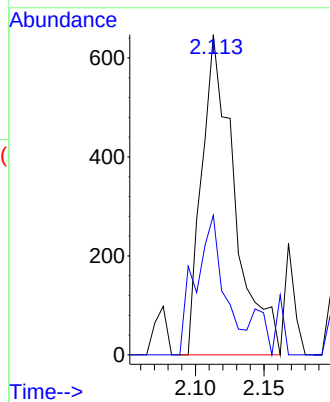
Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

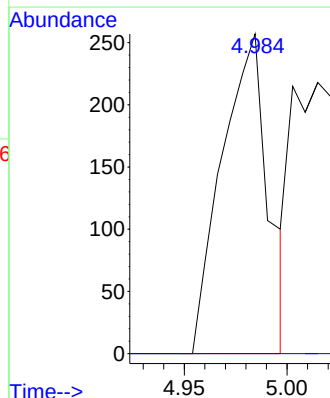
Instrument :
MSVOA_Y
ClientSampleId :

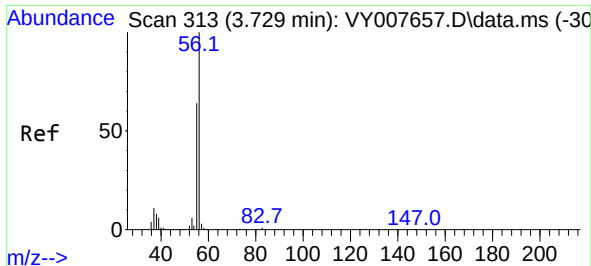
Tgt Ion: 50 Resp: 1078
Ion Ratio Lower Upper
50 100
52 43.6 24.6 37.0#



#11
Tert butyl alcohol
Concen: 1.395 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.024 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

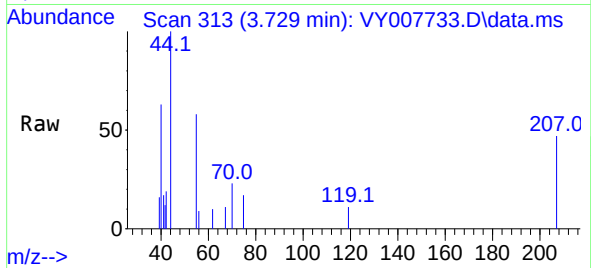
Tgt Ion: 59 Resp: 400
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



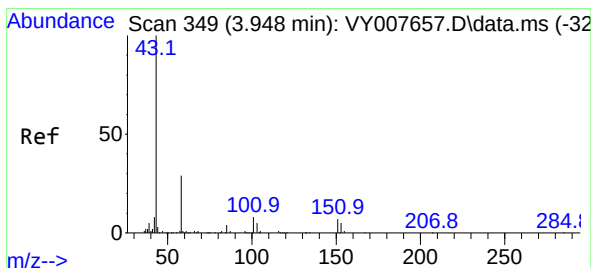
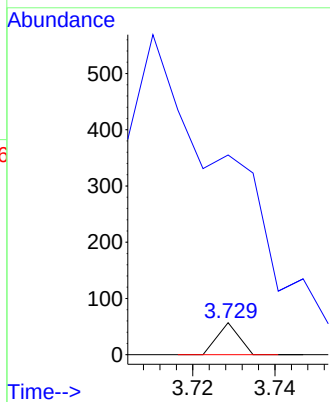
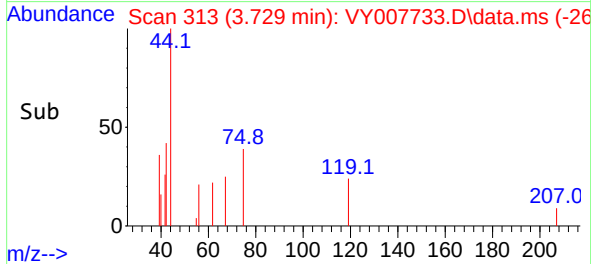


#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

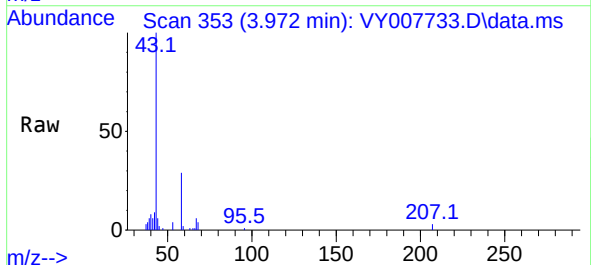
Instrument :
MSVOA_Y
ClientSampleId :



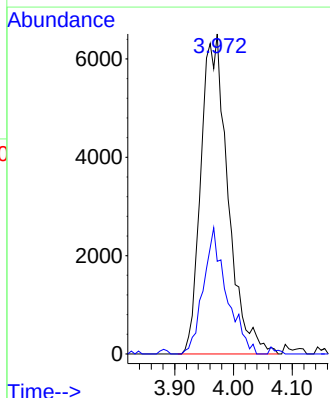
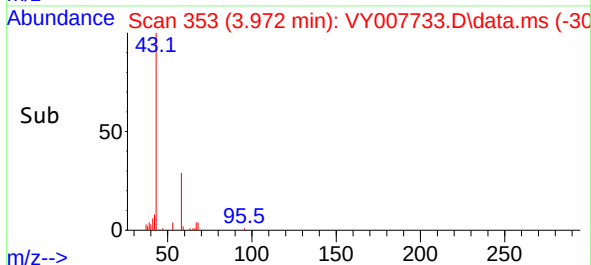
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

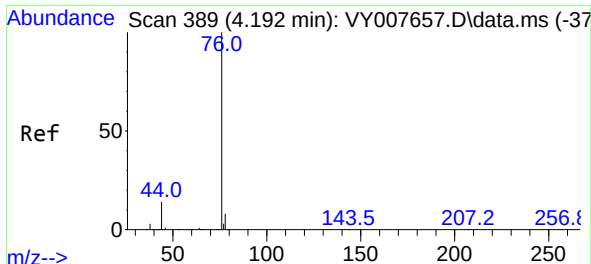


#16
Acetone
Concen: 30.797 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.024 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41



Tgt Ion: 43 Resp: 20751
Ion Ratio Lower Upper
43 100
58 29.0 22.0 33.0

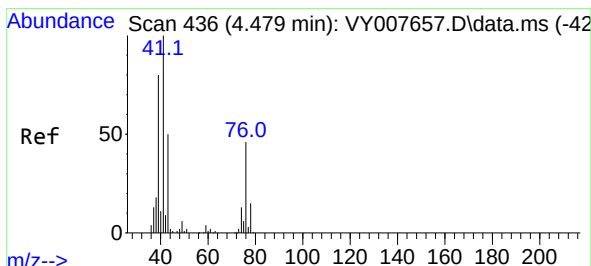
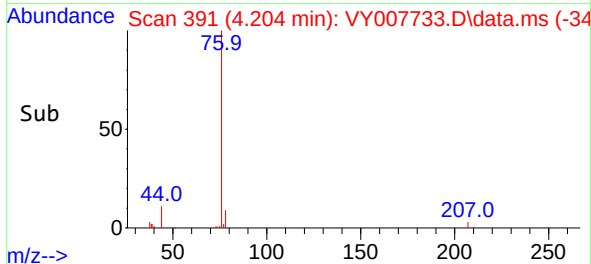
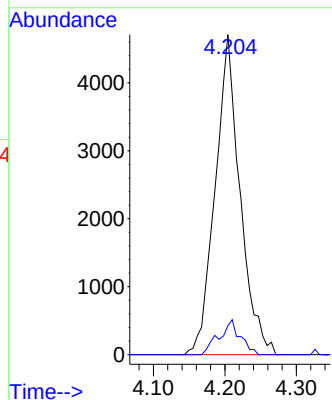
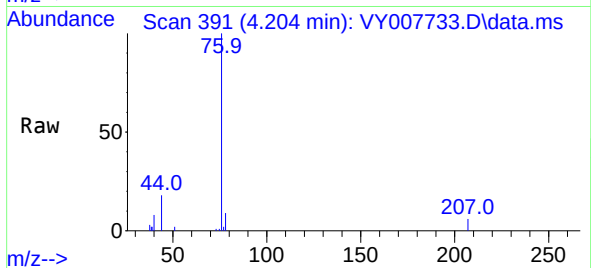




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

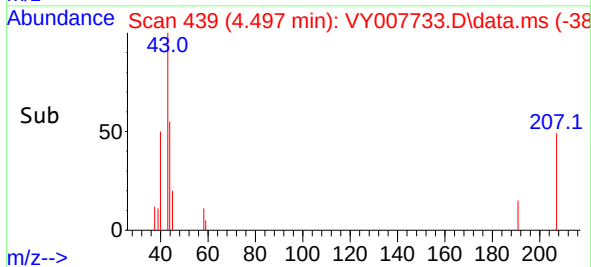
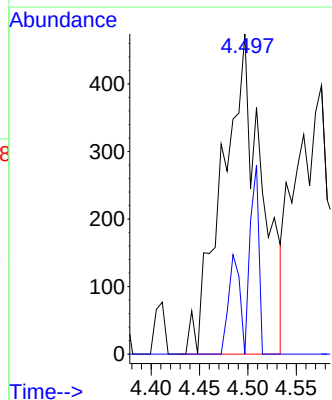
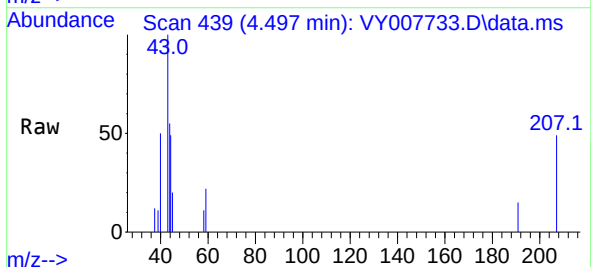
Instrument :
MSVOA_Y
ClientSampleId :

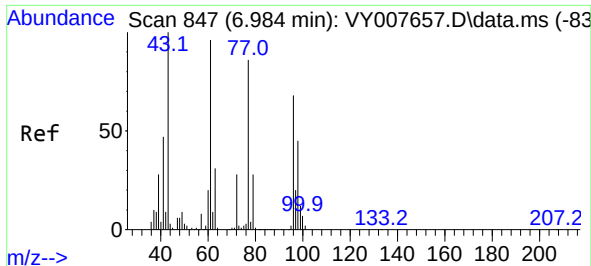
Tgt Ion: 76 Resp: 11358
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 439
Delta R.T. 0.018 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
74 13.0 16.6 24.8#

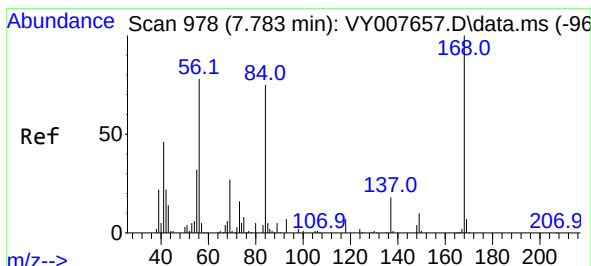
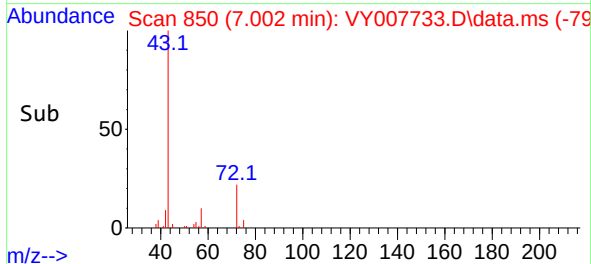
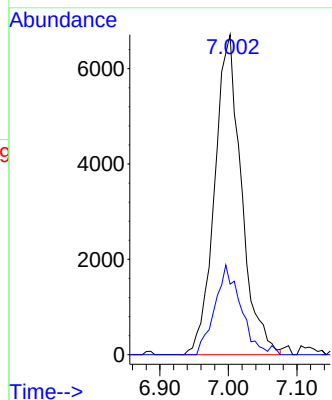
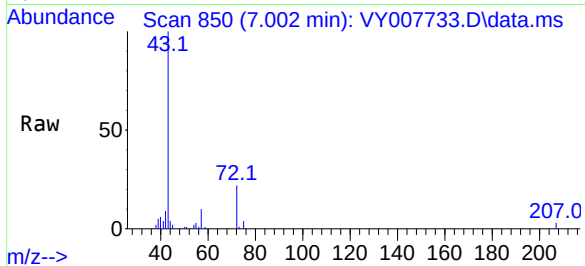




#25
2-Butanone
Concen: 16.118 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

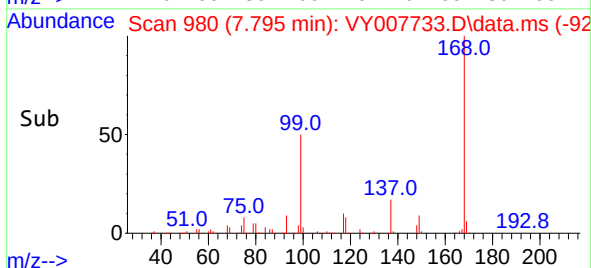
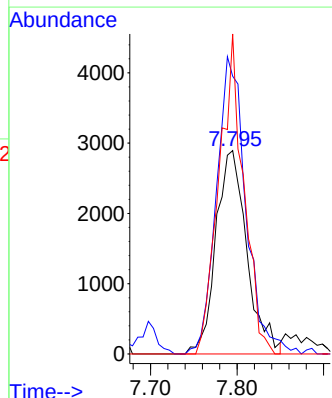
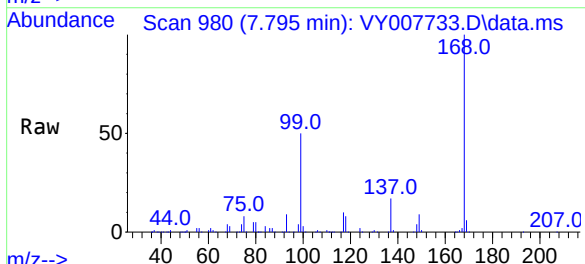
Instrument :
MSVOA_Y
ClientSampleId :

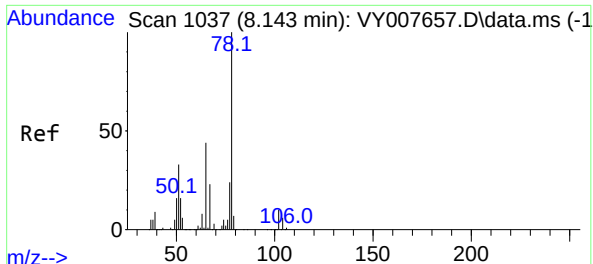
Tgt Ion: 43 Resp: 18219
Ion Ratio Lower Upper
43 100
72 22.0 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

Tgt Ion: 56 Resp: 7182
Ion Ratio Lower Upper
56 100
69 136.5 26.7 40.1#
84 157.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.957 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

Instrument :

MSVOA_Y

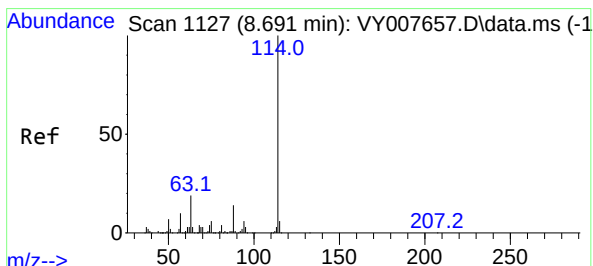
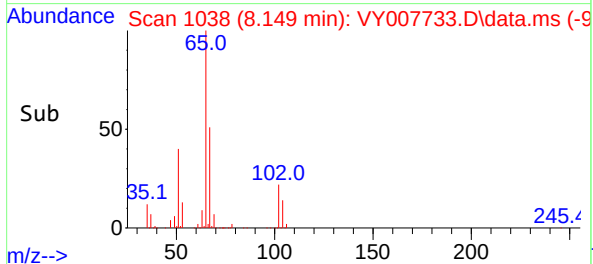
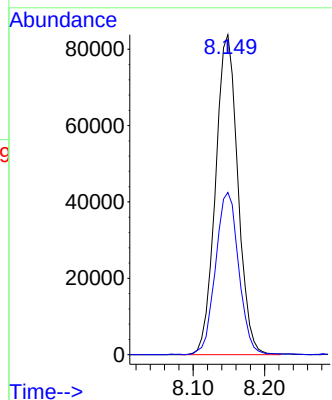
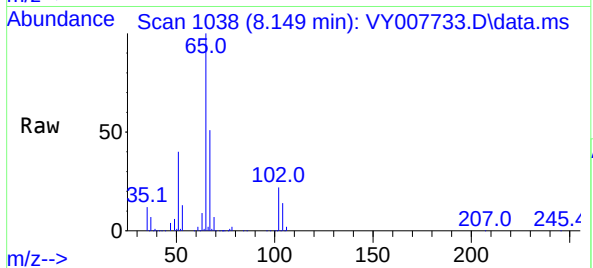
ClientSampleId :

Tgt Ion: 65 Resp: 182030

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

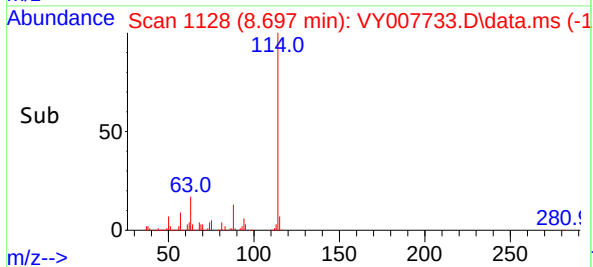
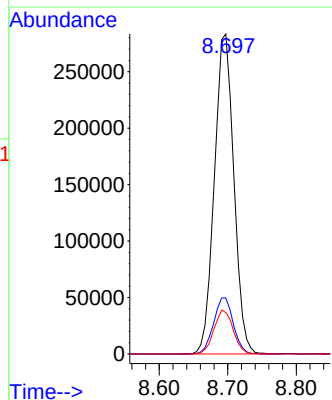
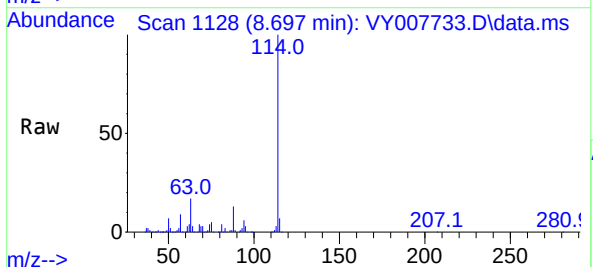
Tgt Ion:114 Resp: 558739

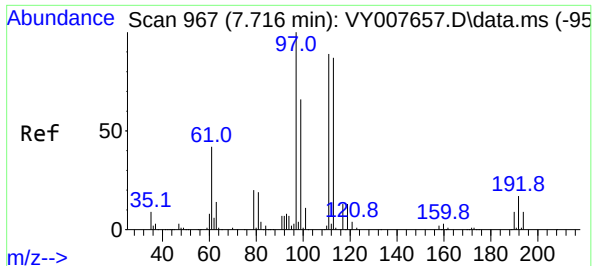
Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

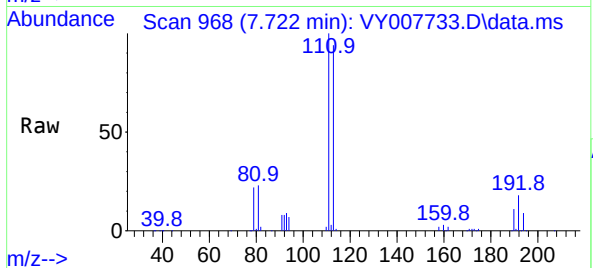
88 13.0 0.0 31.8



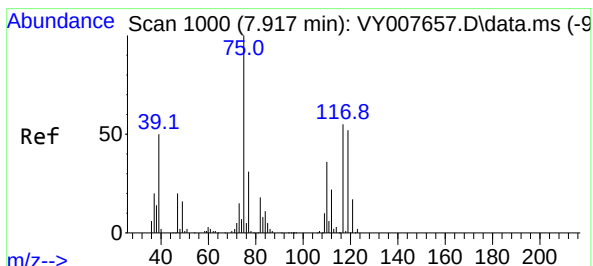
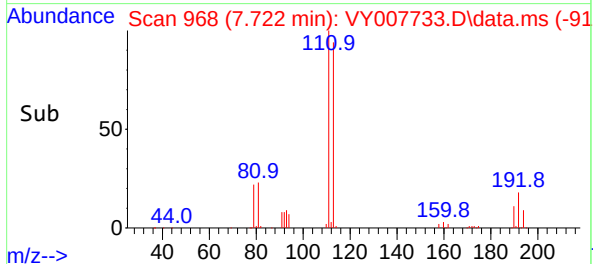
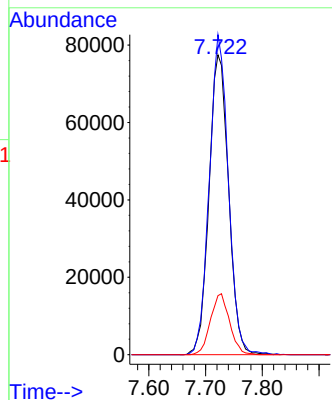


#35
 Dibromofluoromethane
 Concen: 52.078 ug/l
 RT: 7.722 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY007733.D
 Acq: 04 Mar 2022 03:41

Instrument :
 MSVOA_Y
 ClientSampleId :

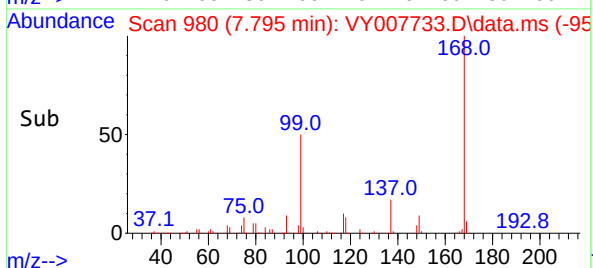
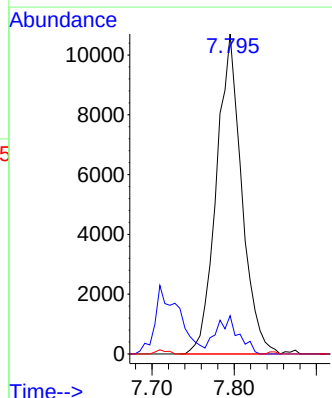
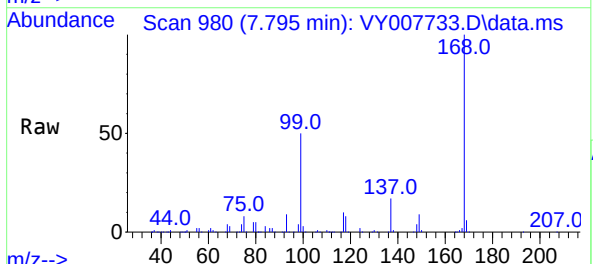


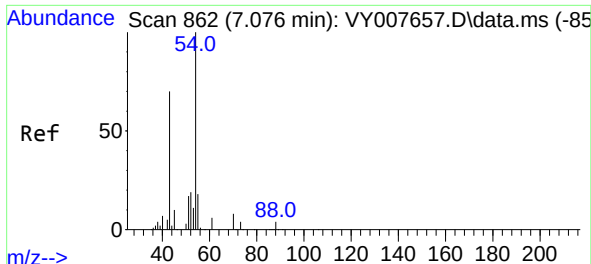
Tgt Ion:113 Resp: 186031
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.6 124.0
 192 19.8 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 4.069 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.122 min
 Lab File: VY007733.D
 Acq: 04 Mar 2022 03:41

Tgt Ion: 75 Resp: 22865
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.1 51.2#
 77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.870 ug/l

RT: 7.002 min Scan# 81

Delta R.T. -0.074 min

Lab File: VY007733.D

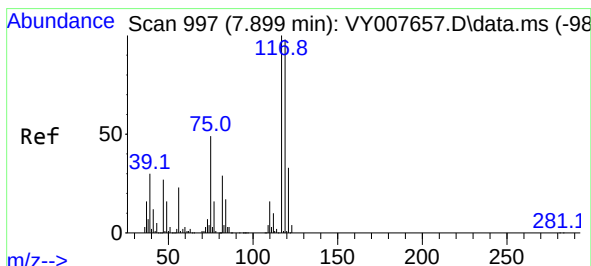
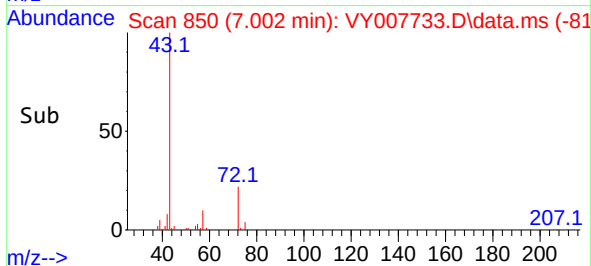
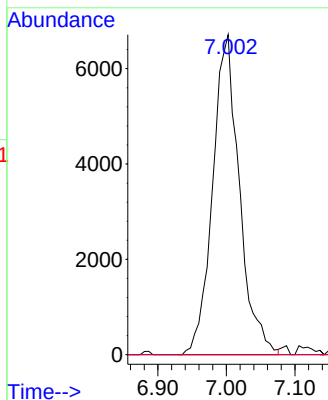
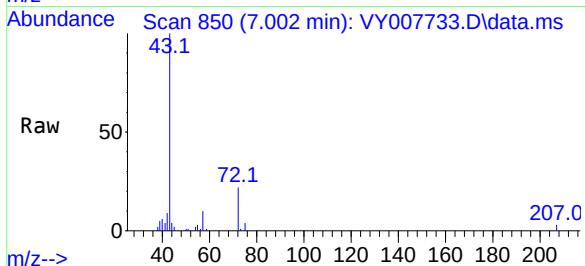
Acq: 04 Mar 2022 03:41

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	43	Resp:	18219
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.008 ug/l

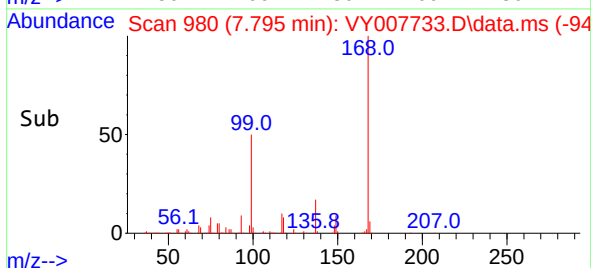
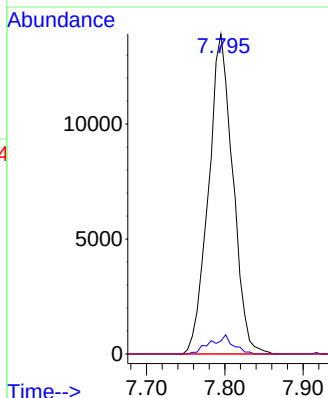
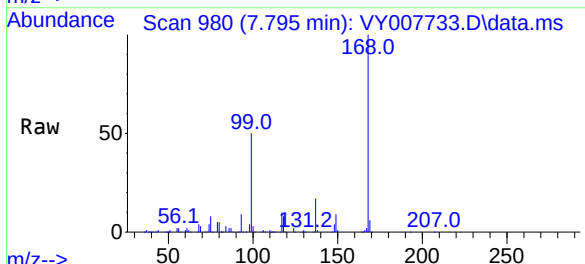
RT: 7.795 min Scan# 980

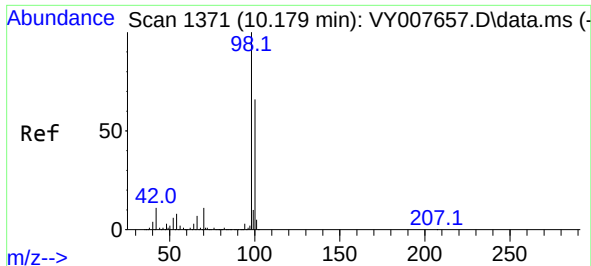
Delta R.T. -0.104 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

Tgt Ion:	117	Resp:	30022
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.9	116.9#
121	0.0	24.8	37.2#

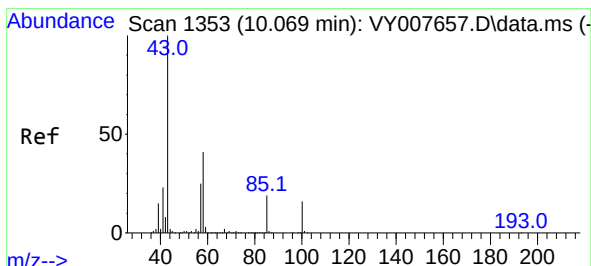
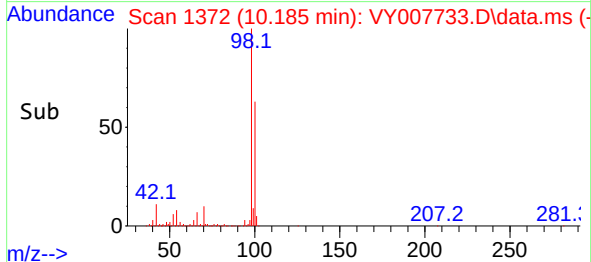
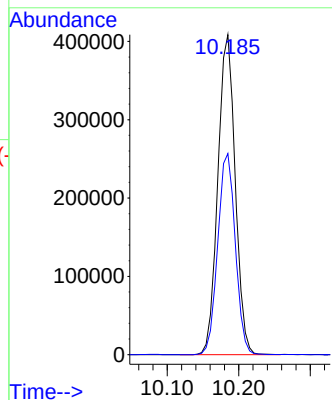
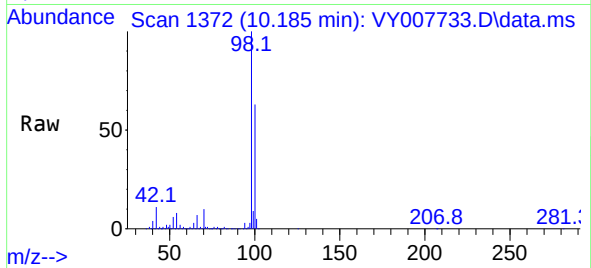




#50
Toluene-d8
Concen: 52.401 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

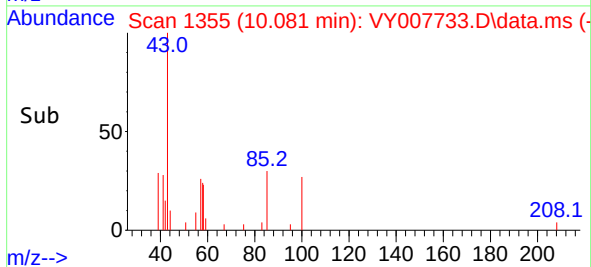
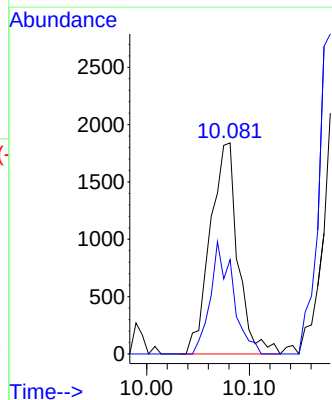
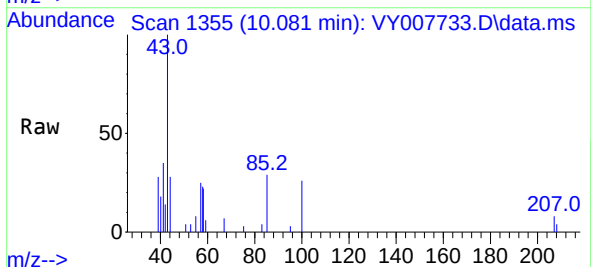
Instrument :
MSVOA_Y
ClientSampleId :

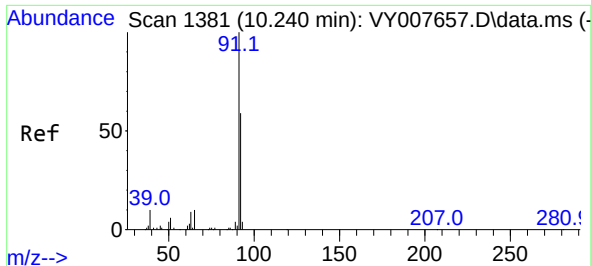
Tgt Ion: 98 Resp: 689038
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.119 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.012 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

Tgt Ion: 43 Resp: 3436
Ion Ratio Lower Upper
43 100
58 43.6 28.1 42.1#

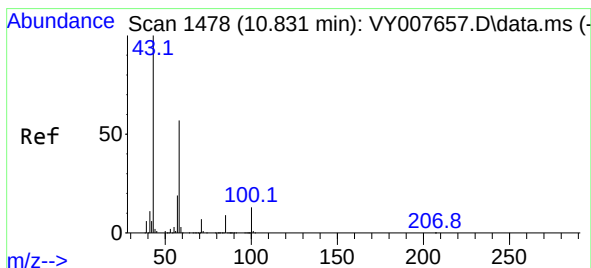
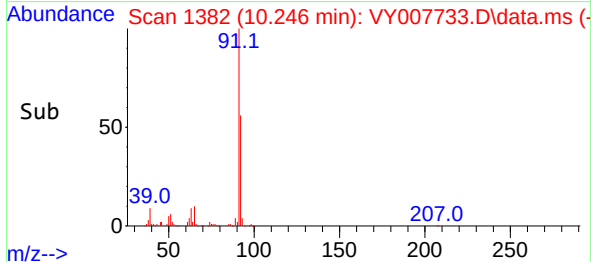
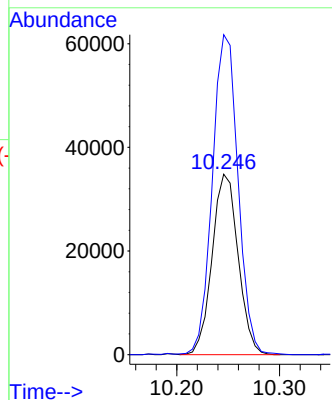
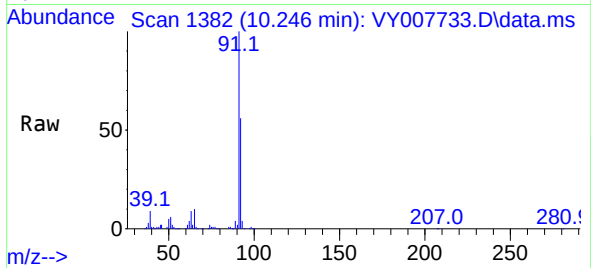




#52
Toluene
Concen: 6.050 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

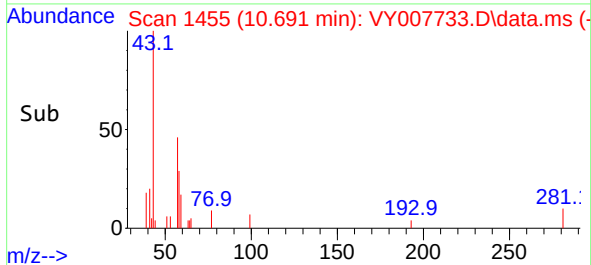
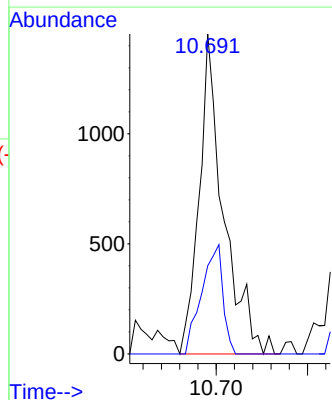
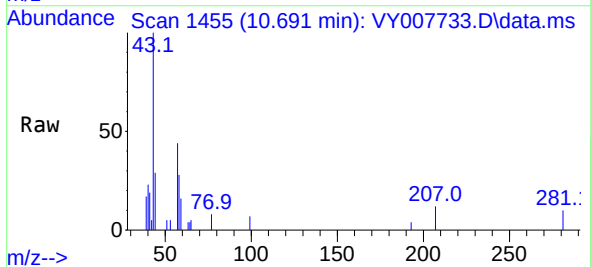
Instrument :
MSVOA_Y
ClientSampleId :

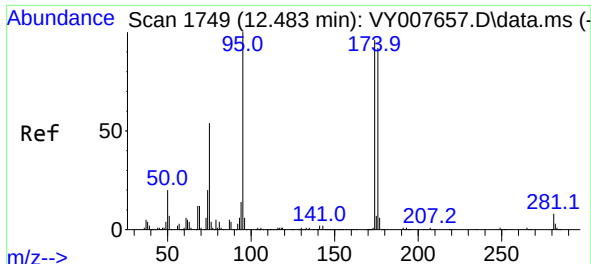
Tgt Ion: 92 Resp: 61179
Ion Ratio Lower Upper
92 100
91 175.0 142.6 213.8



#59
2-Hexanone
Concen: 1.294 ug/l
RT: 10.691 min Scan# 1455
Delta R.T. -0.140 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

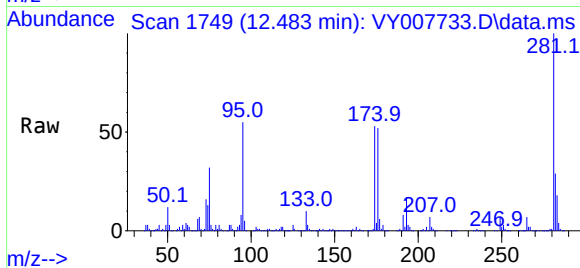
Tgt Ion: 43 Resp: 2676
Ion Ratio Lower Upper
43 100
58 29.9 24.4 73.4



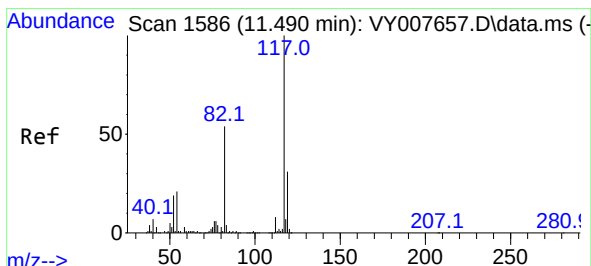
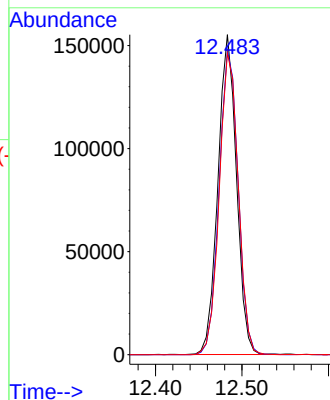
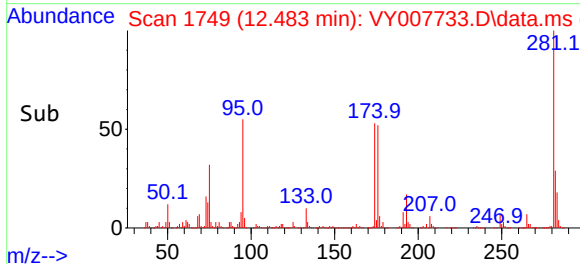


#62
4-Bromofluorobenzene
Concen: 54.503 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

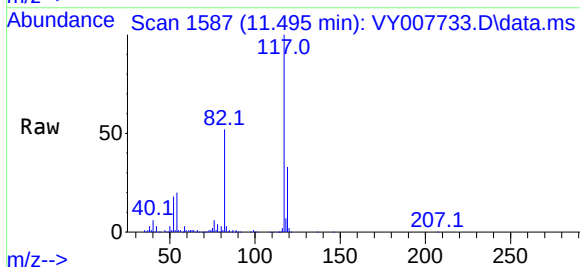
Instrument :
MSVOA_Y
ClientSampleId :



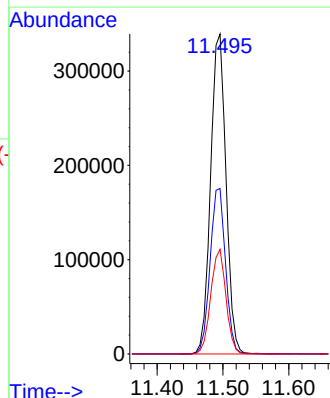
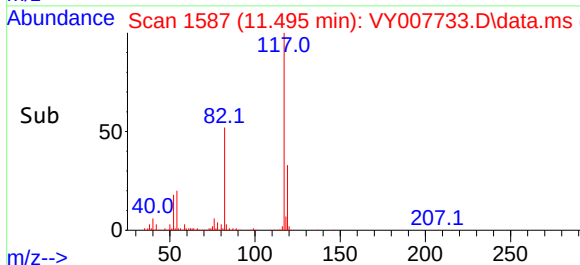
Tgt Ion: 95 Resp: 231019
Ion Ratio Lower Upper
95 100
174 97.5 0.0 177.0
176 96.3 0.0 175.8

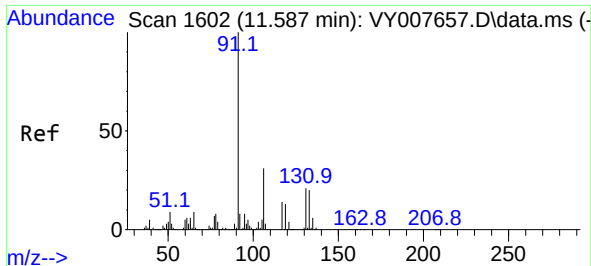


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.005 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41



Tgt Ion: 117 Resp: 553053
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 32.7 25.4 38.0

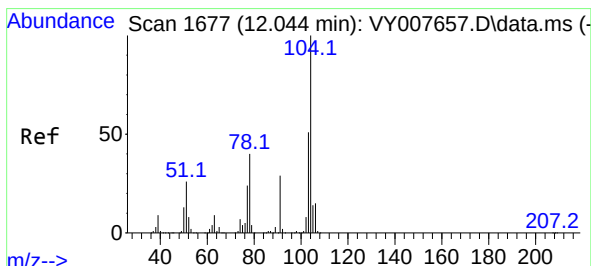
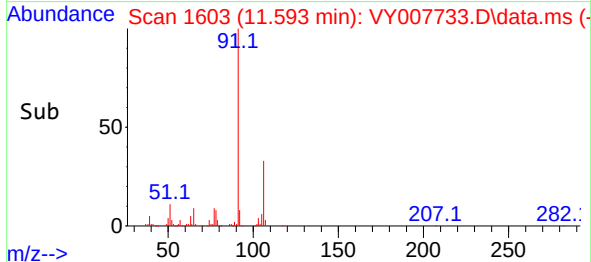
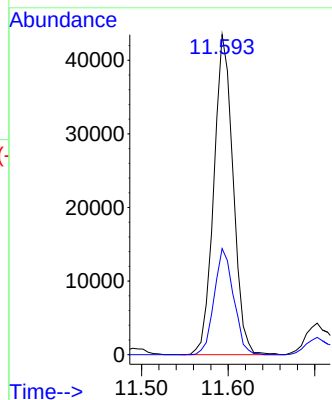
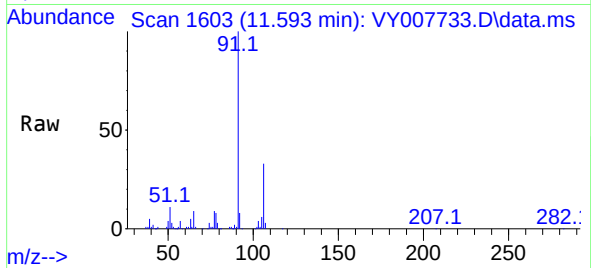




#67
Ethyl Benzene
Concen: 3.096 ug/l
RT: 11.593 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

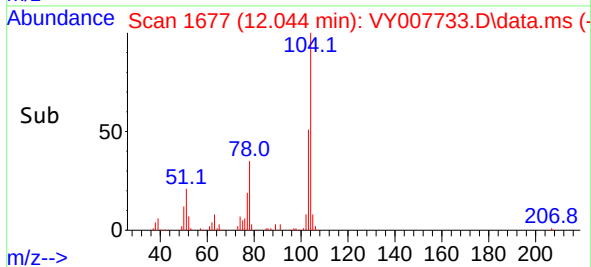
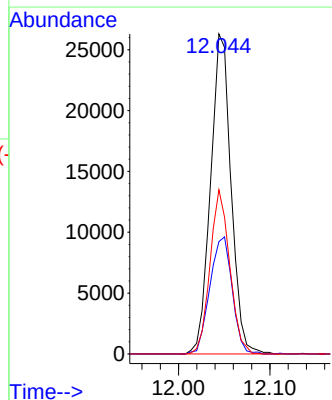
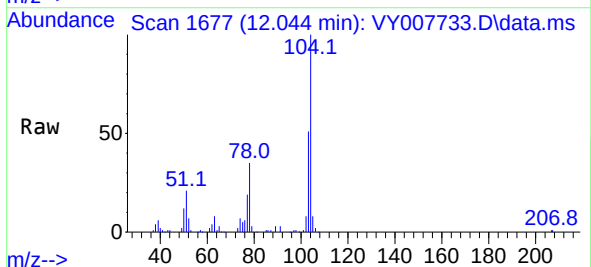
Instrument :
MSVOA_Y
ClientSampleId :

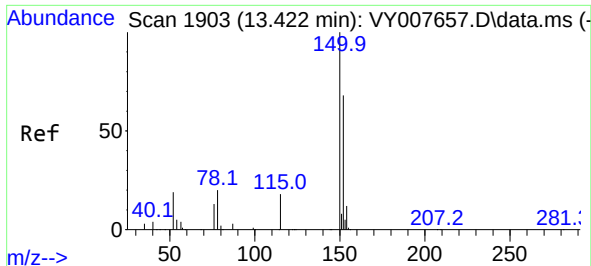
Tgt Ion: 91 Resp: 67264
Ion Ratio Lower Upper
91 100
106 33.2 24.5 36.7



#70
Styrene
Concen: 3.091 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

Tgt Ion: 104 Resp: 40889
Ion Ratio Lower Upper
104 100
78 39.8 42.4 63.6#
103 49.3 44.4 66.6

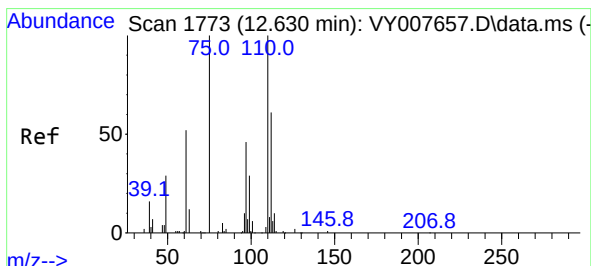
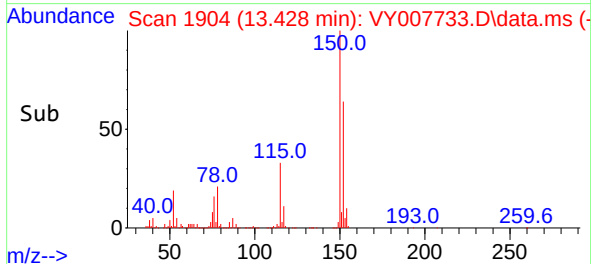
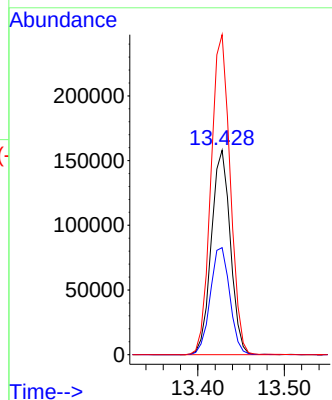
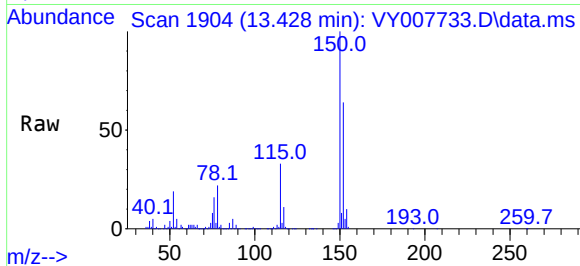




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

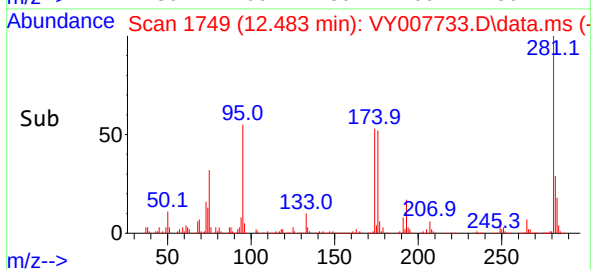
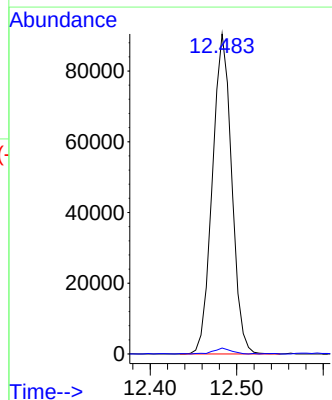
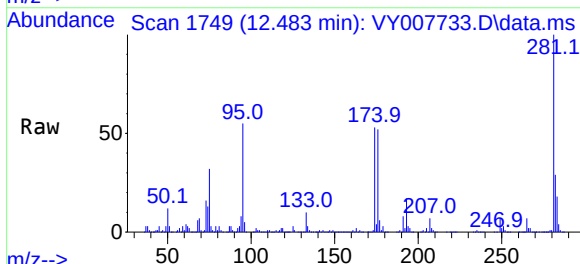
Instrument :
MSVOA_Y
ClientSampleId :

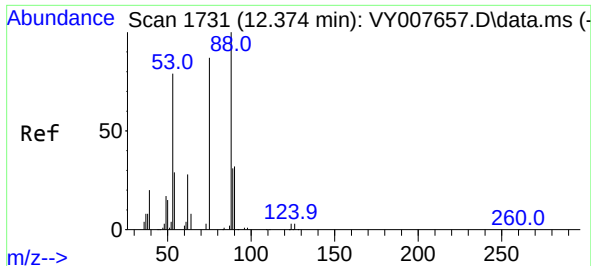
Tgt Ion:152 Resp: 241505
Ion Ratio Lower Upper
152 100
115 53.8 28.2 84.7
150 158.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 51.948 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY007733.D
Acq: 04 Mar 2022 03:41

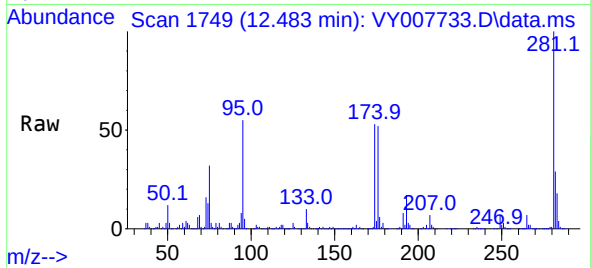
Tgt Ion: 75 Resp: 140107
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.202 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY007733.D
 Acq: 04 Mar 2022 03:41

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 140107
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 2.4 37.0 55.4#

