

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007912.D
 Acq On : 18 Mar 2022 19:04
 Operator : SY/MD
 Sample : N1951-02
 Misc : 6.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-27-(15-20)-3-12-22

Quant Time: Mar 19 01:38:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

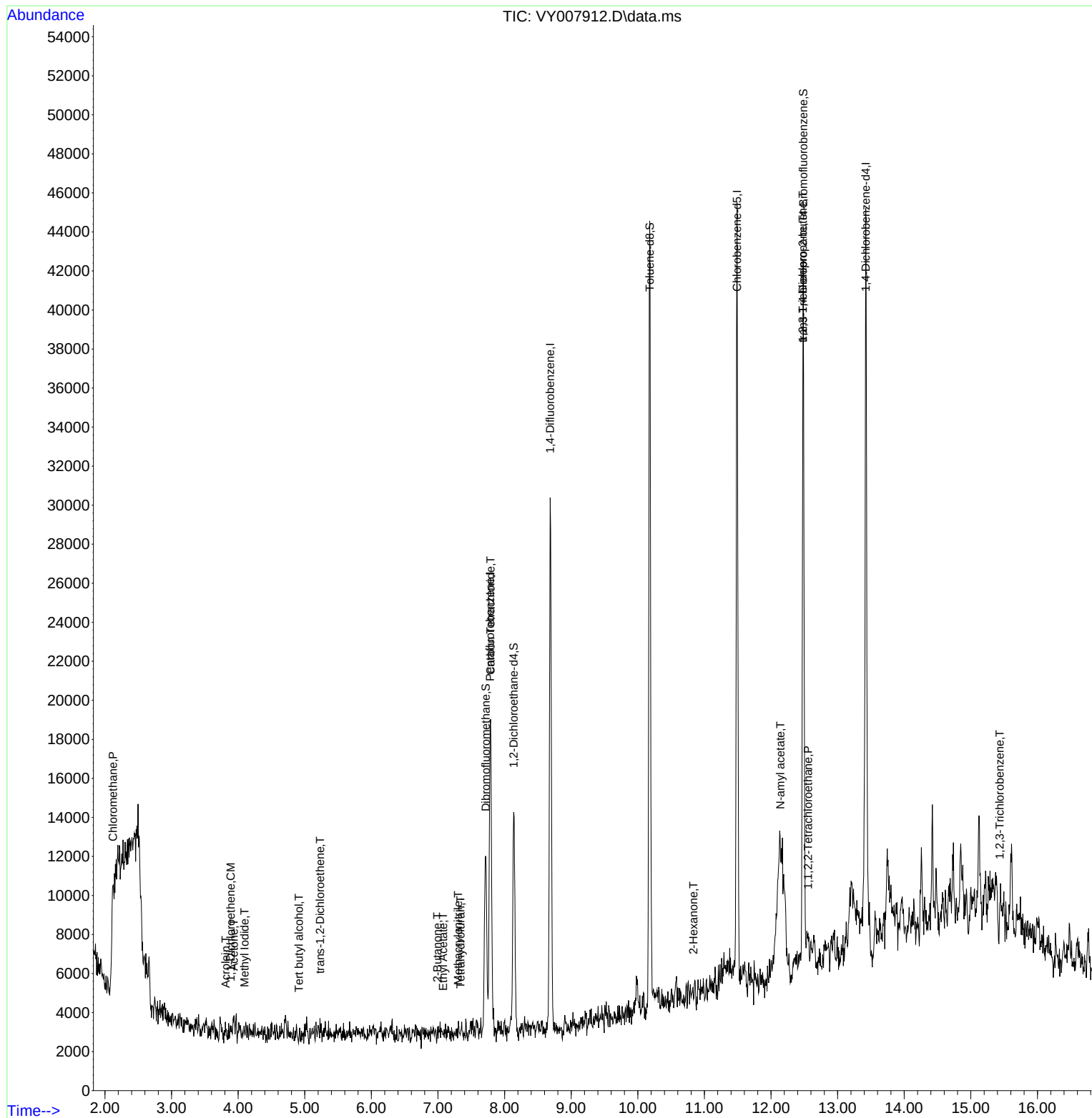
Internal Standards						
1) Pentafluorobenzene	7.783	168	12574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	23546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	20406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	7720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8680	60.544	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.080%			
35) Dibromofluoromethane	7.716	113	6786	41.037	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 82.080%			
50) Toluene-d8	10.179	98	26358	53.178	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.360%			
62) 4-Bromofluorobenzene	12.483	95	9433	39.747	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.156	85	22	Below Cal	#	43
3) Chloromethane	2.119	50	773	1.939	ug/l #	47
4) Vinyl Chloride	2.235	62	244	Below Cal	#	43
5) Bromomethane	2.662	94	307	Below Cal	#	53
10) Methyl Iodide	4.095	142	229	1.664	ug/l #	35
11) Tert butyl alcohol	4.911	59	19	1.138	ug/l #	77
12) 1,1-Dichloroethene	3.887	96	735	5.383	ug/l #	1
13) Acrolein	3.814	56	70	6.958	ug/l #	1
16) Acetone	3.936	43	1068	28.081	ug/l #	81
18) Methyl Acetate	4.460	43	187	Below Cal	#	56
20) Methylene Chloride	4.698	84	194	Below Cal	#	65
21) trans-1,2-Dichloroethene	5.228	96	155	1.014	ug/l #	4
25) 2-Butanone	6.990	43	221	3.628	ug/l #	54
29) Tetrahydrofuran	7.338	42	183	4.688	ug/l #	38
31) Cyclohexane	7.777	56	187	Below Cal	#	43
37) Ethyl Acetate	7.076	43	256	1.711	ug/l #	72
38) Carbon Tetrachloride	7.789	117	1346	5.136	ug/l #	18
39) Methylcyclohexane	9.240	83	45	Below Cal	#	71
41) Methacrylonitrile	7.301	41	551	5.970	ug/l #	10
59) 2-Hexanone	10.837	43	177	1.628	ug/l #	28
74) N-amyl acetate	12.142	43	415	2.070	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	12.556	83	252	1.723	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	4796	43.586	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4796	91.548	ug/l #	11
96) 1,2,3-Trichlorobenzene	15.434	180	158	1.039	ug/l #	13

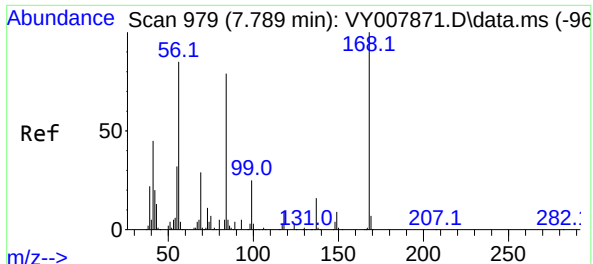
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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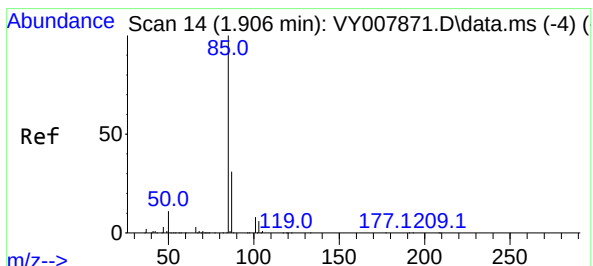
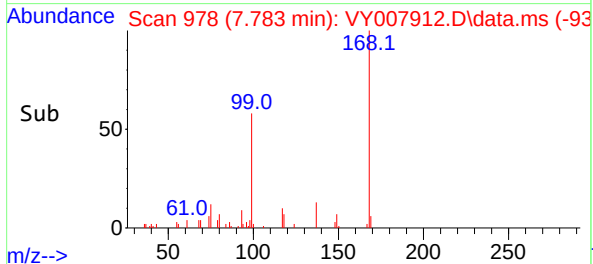
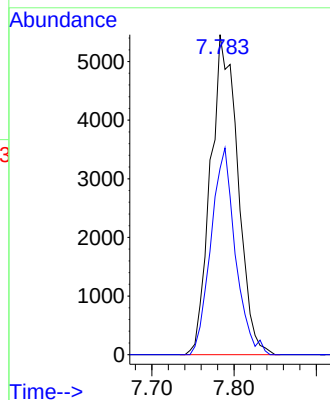
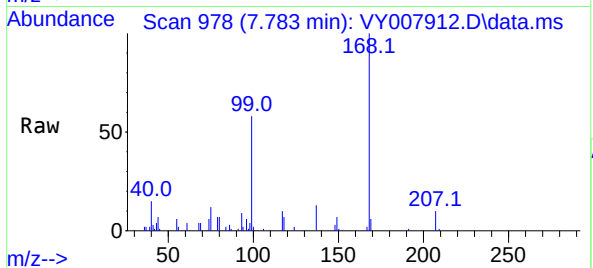




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

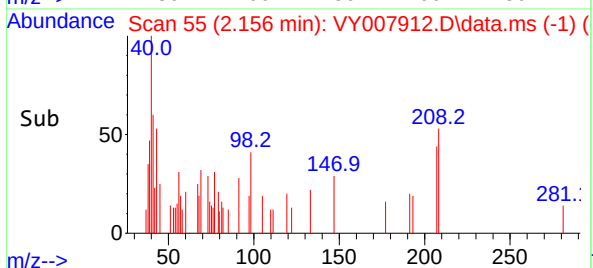
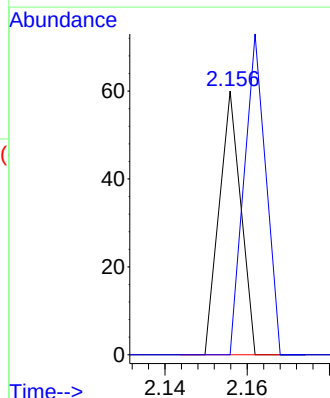
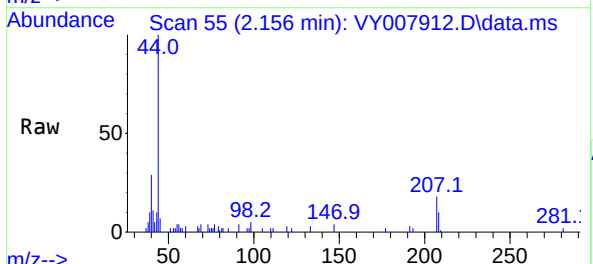
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

Tgt Ion:168 Resp: 12574
Ion Ratio Lower Upper
168 100
99 58.2 46.9 70.3

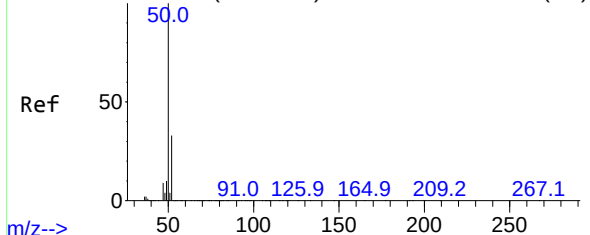


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.156 min Scan# 55
Delta R.T. 0.250 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



#3

Chloromethane

Concen: 1.939 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY007912.D

Acq: 18 Mar 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

DB-27-(15-20)-3-12-22

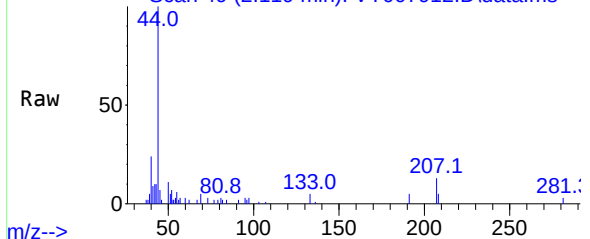
Tgt Ion: 50 Resp: 773

Ion Ratio Lower Upper

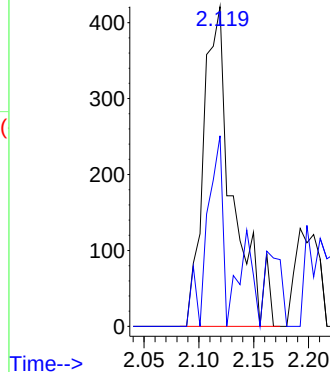
50 100

52 59.6 24.6 37.0#

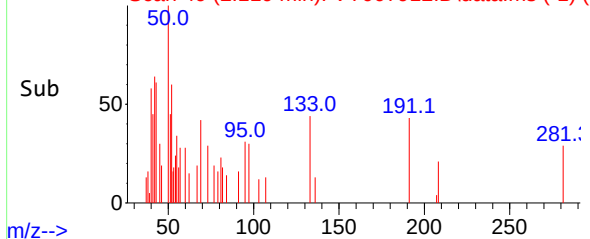
Abundance Scan 49 (2.119 min): VY007912.D\data.ms



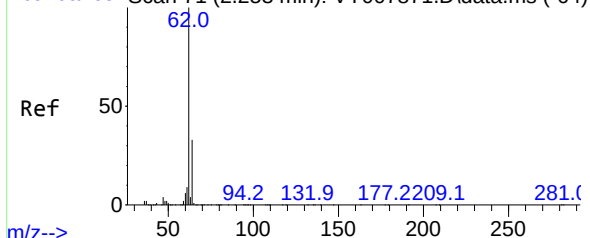
Abundance



Abundance Scan 49 (2.119 min): VY007912.D\data.ms (-1)



Abundance Scan 71 (2.253 min): VY007871.D\data.ms (-64)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.235 min Scan# 68

Delta R.T. -0.018 min

Lab File: VY007912.D

Acq: 18 Mar 2022 19:04

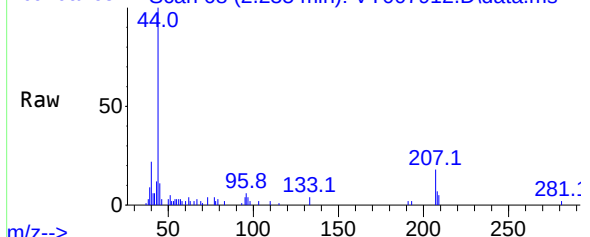
Tgt Ion: 62 Resp: 244

Ion Ratio Lower Upper

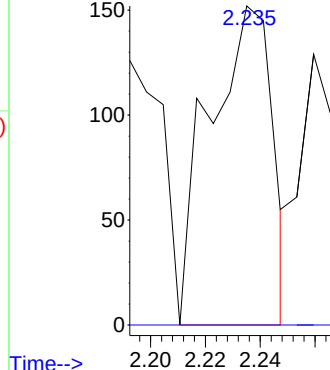
62 100

64 0.0 25.0 37.6#

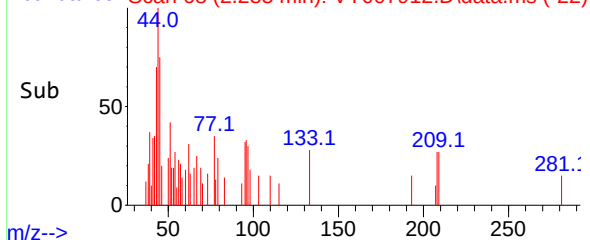
Abundance Scan 68 (2.235 min): VY007912.D\data.ms

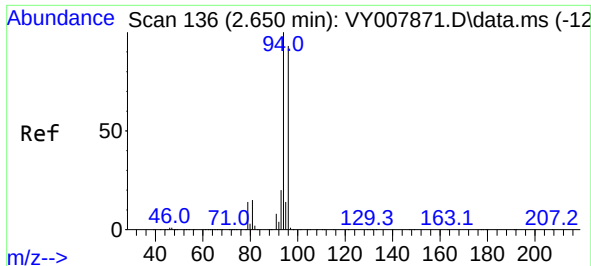


Abundance



Abundance Scan 68 (2.235 min): VY007912.D\data.ms (-22)

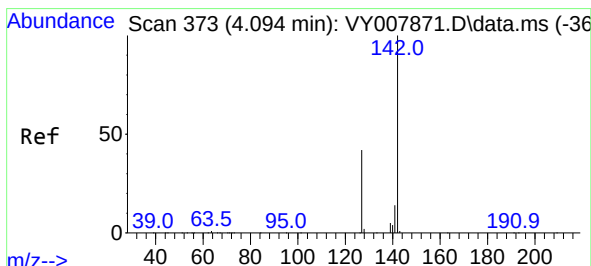
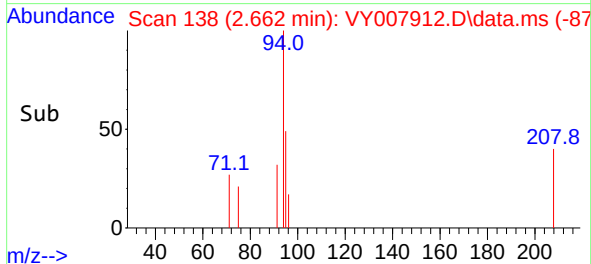
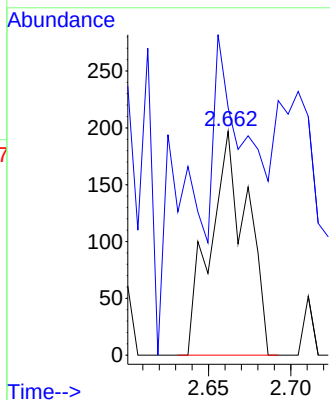
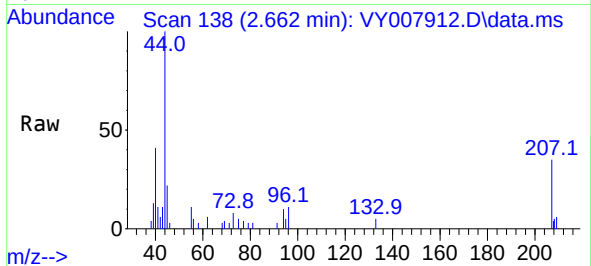




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

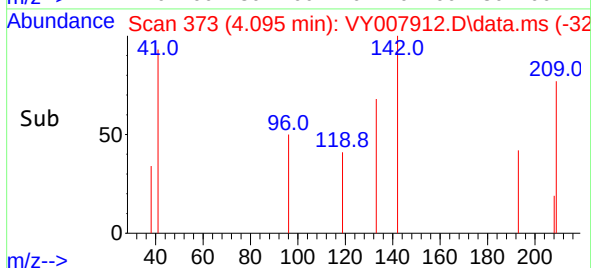
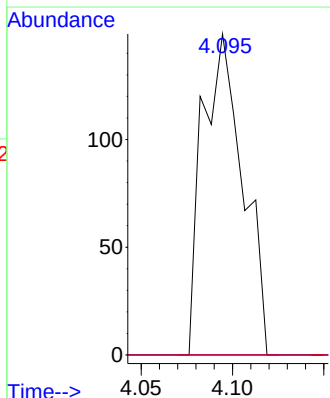
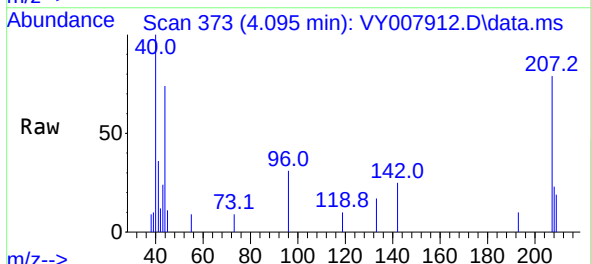
Instrument :
MSVOA_Y
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DB-27-(15-20)-3-12-22

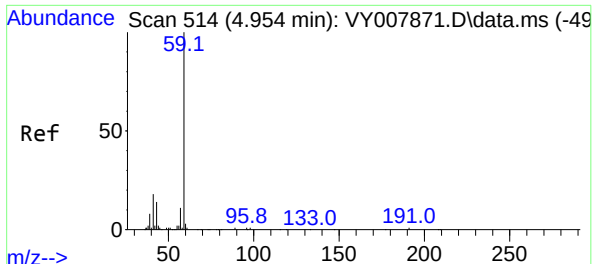
Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 46.7 73.5 110.3#



#10
Methyl Iodide
Concen: 1.664 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion:142 Resp: 229
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 1.138 ug/l

RT: 4.911 min Scan# 50

Delta R.T. -0.043 min

Lab File: VY007912.D

Acq: 18 Mar 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

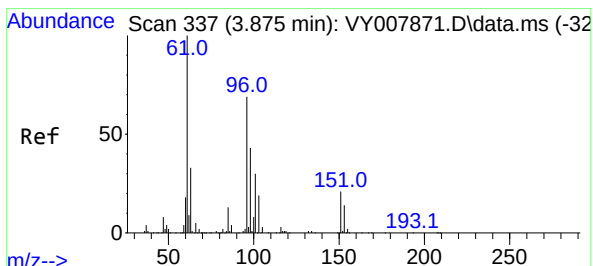
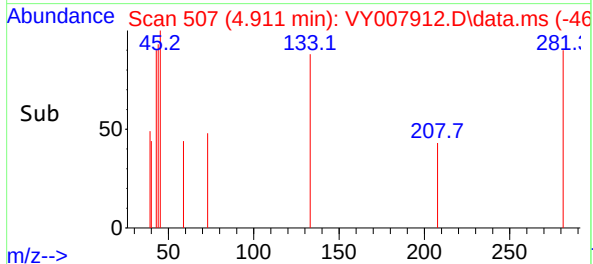
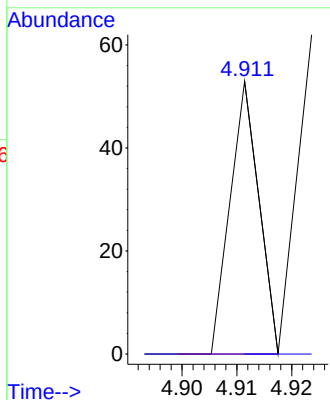
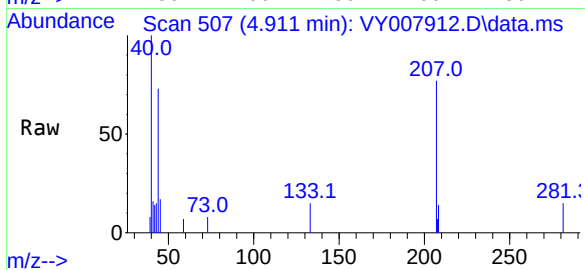
DB-27-(15-20)-3-12-22

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#12

1,1-Dichloroethene

Concen: 5.383 ug/l

RT: 3.887 min Scan# 339

Delta R.T. 0.012 min

Lab File: VY007912.D

Acq: 18 Mar 2022 19:04

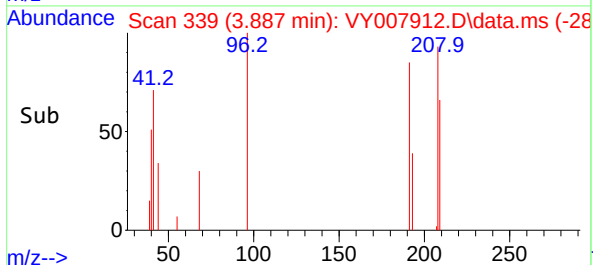
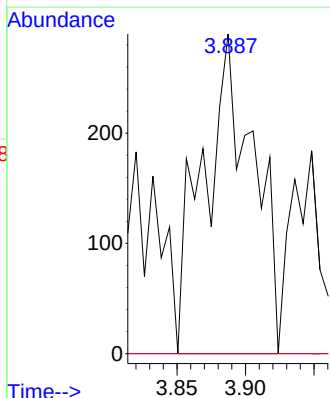
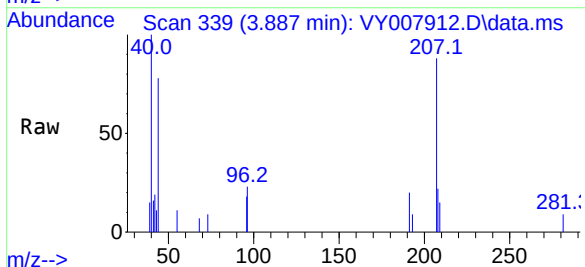
Tgt Ion: 96 Resp: 735

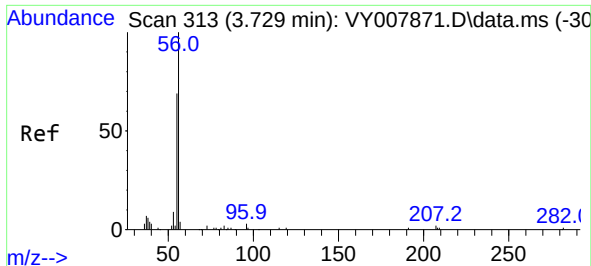
Ion Ratio Lower Upper

96 100

61 0.0 145.8 218.6#

98 0.0 52.5 78.7#

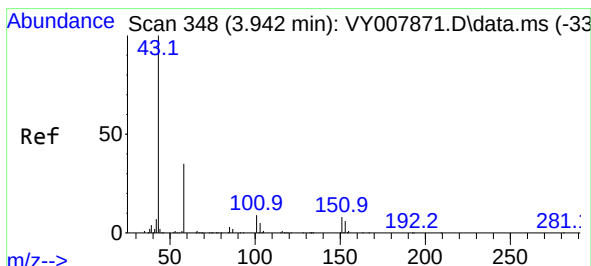
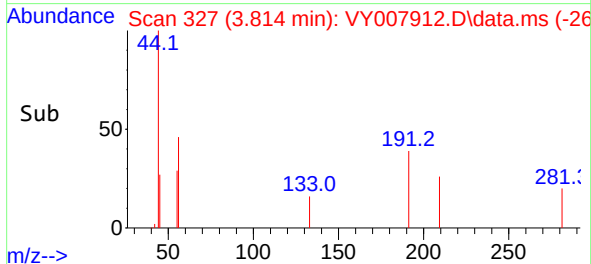
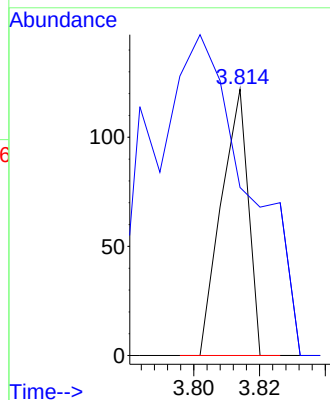
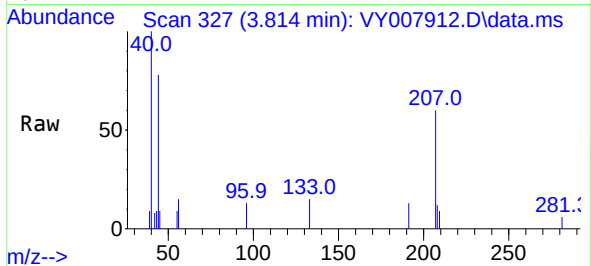




#13
Acrolein
Concen: 6.958 ug/l
RT: 3.814 min Scan# 313
Delta R.T. 0.085 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

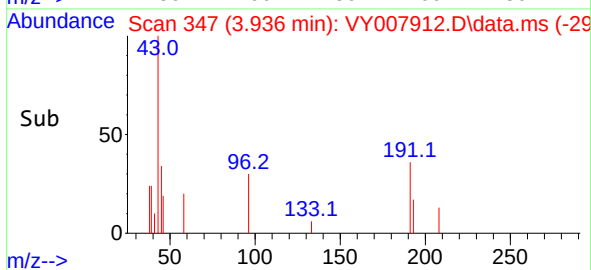
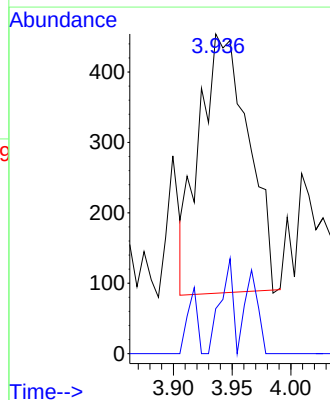
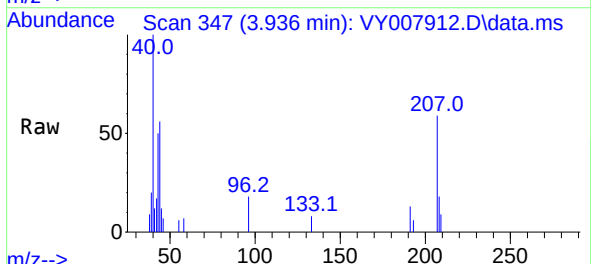
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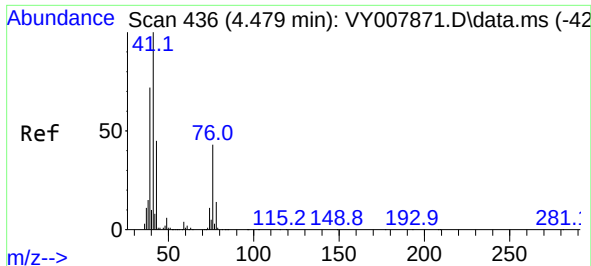
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 425.7 57.6 86.4#



#16
Acetone
Concen: 28.081 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
58 17.7 22.0 33.0#

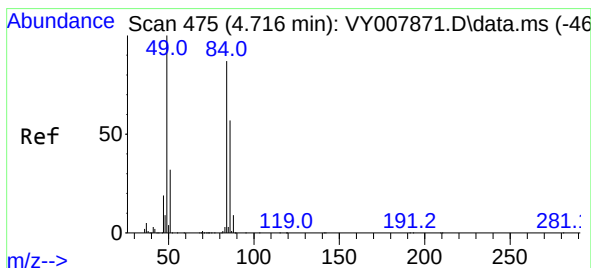
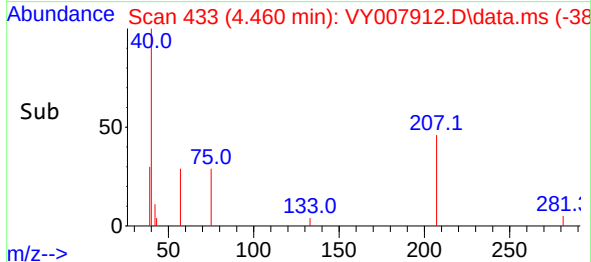
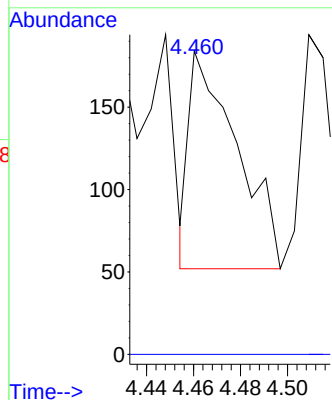
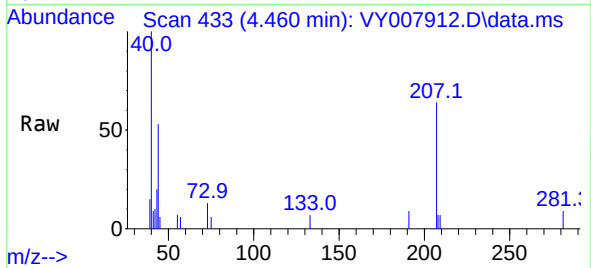




#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

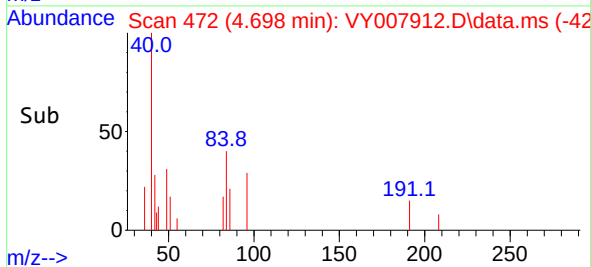
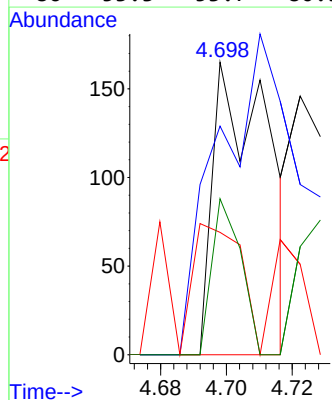
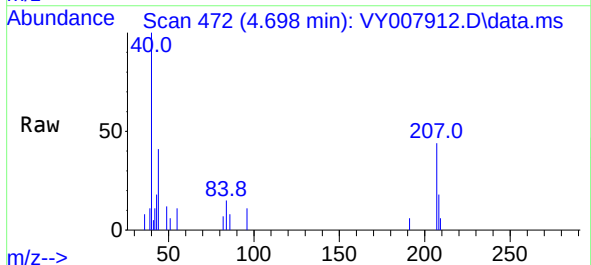
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

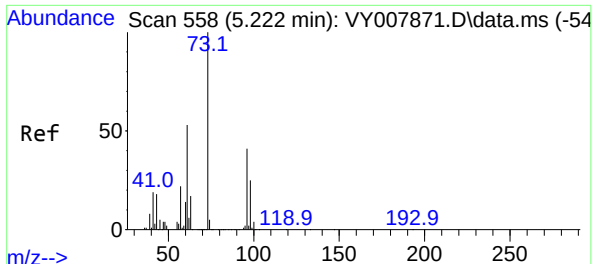
Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion: 84 Resp: 194
Ion Ratio Lower Upper
84 100
49 78.2 114.4 171.6#
51 41.8 35.3 52.9
86 53.3 53.7 80.5#





#21

trans-1,2-Dichloroethene

Concen: 1.014 ug/l

RT: 5.228 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY007912.D

Acq: 18 Mar 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

DB-27-(15-20)-3-12-22

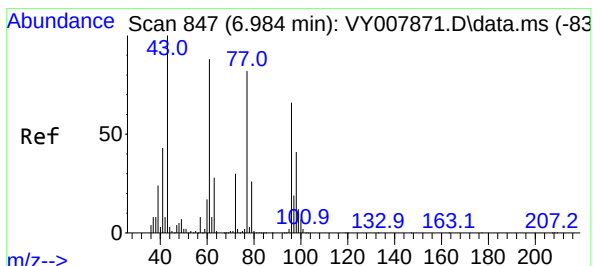
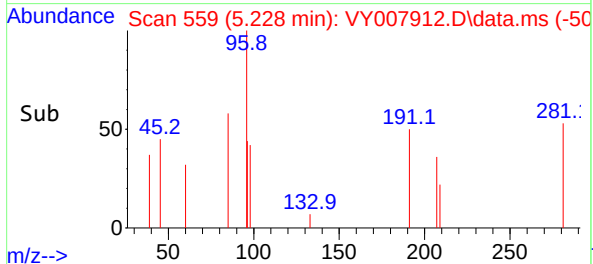
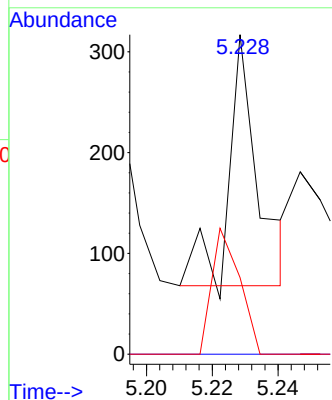
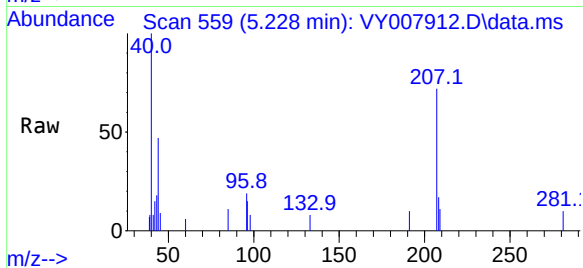
Tgt Ion: 96 Resp: 155

Ion Ratio Lower Upper

96 100

61 0.0 120.5 180.7#

98 30.5 49.8 74.8#



#25

2-Butanone

Concen: 3.628 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY007912.D

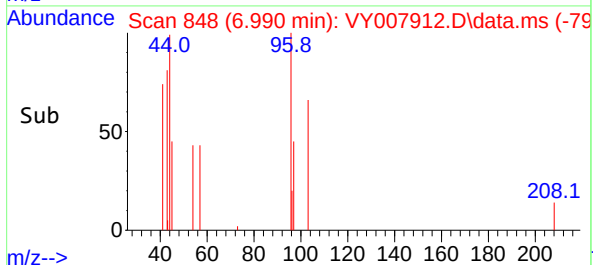
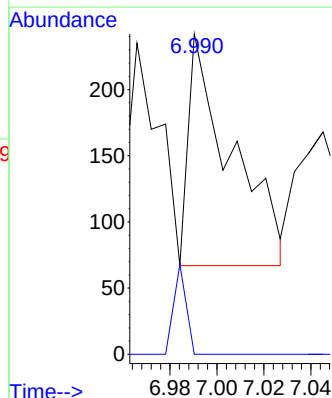
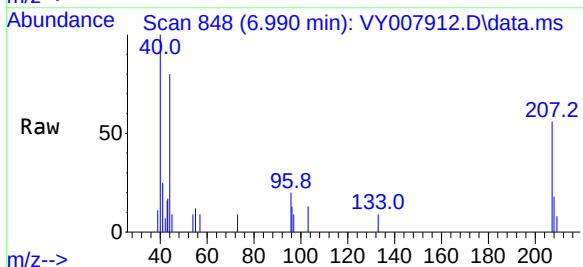
Acq: 18 Mar 2022 19:04

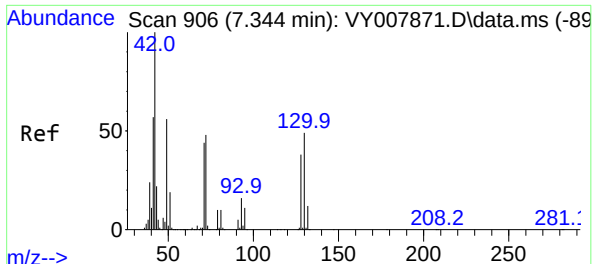
Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

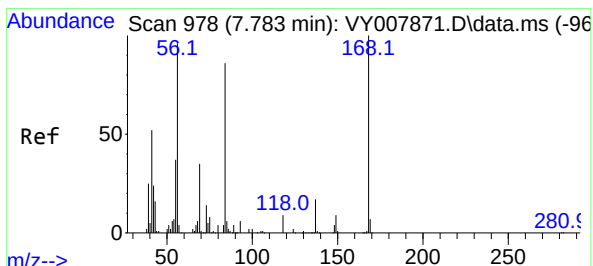
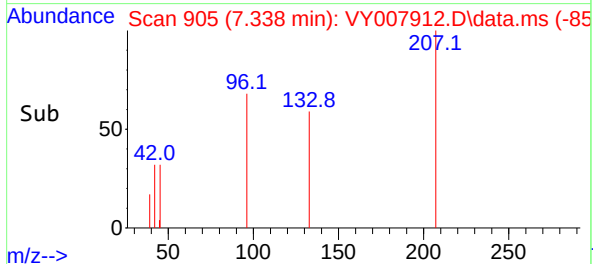
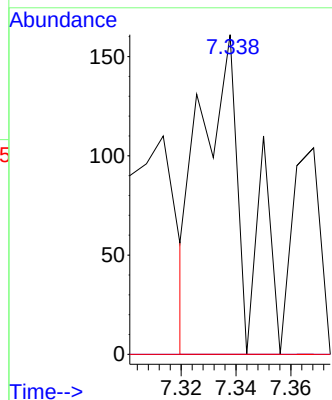
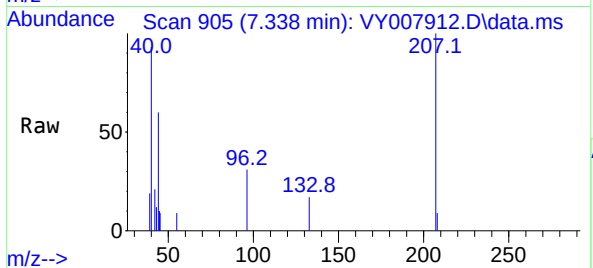




#29
Tetrahydrofuran
Concen: 4.688 ug/l
RT: 7.338 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

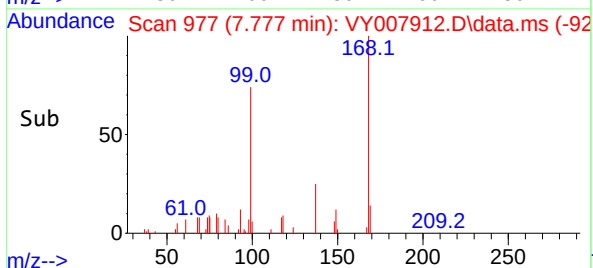
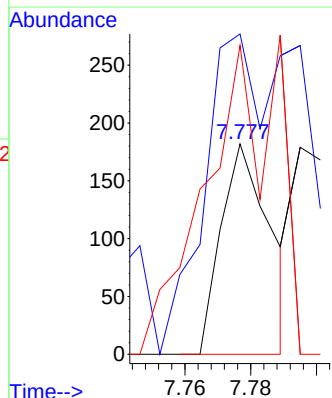
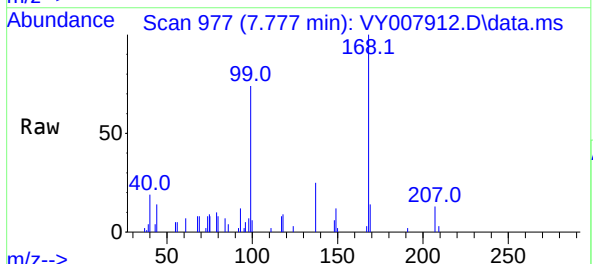
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

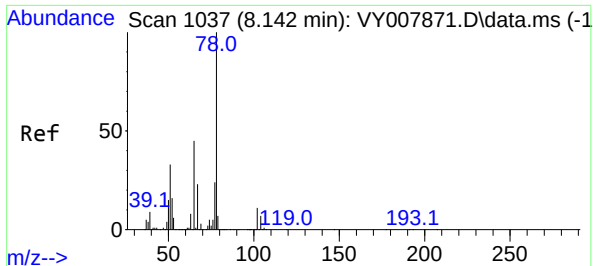
Tgt Ion:	42	Resp:	183
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion:	56	Resp:	187
Ion	Ratio	Lower	Upper
56	100		
69	114.3	26.7	40.1#
84	105.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 60.544 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY007912.D

Acq: 18 Mar 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

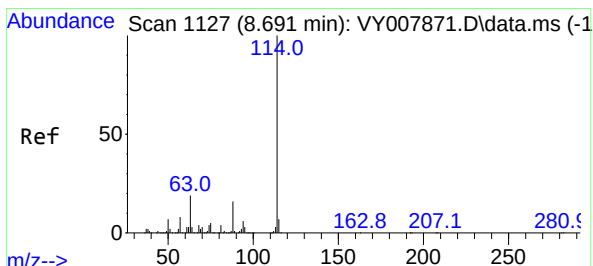
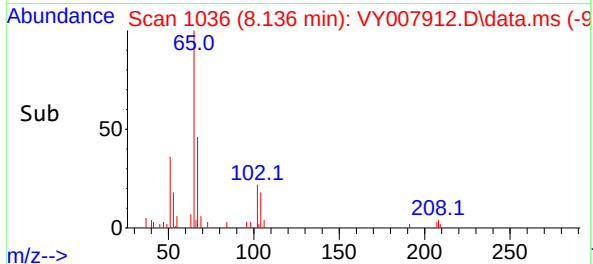
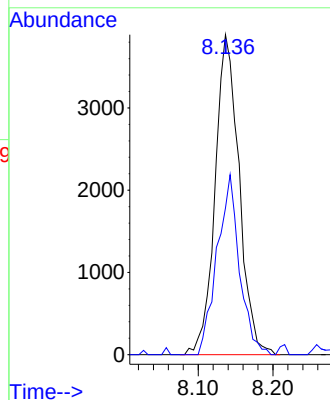
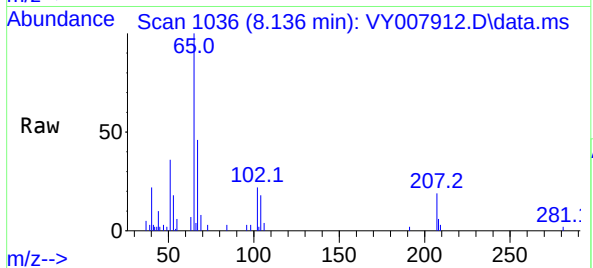
DB-27-(15-20)-3-12-22

Tgt Ion: 65 Resp: 8680

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007912.D

Acq: 18 Mar 2022 19:04

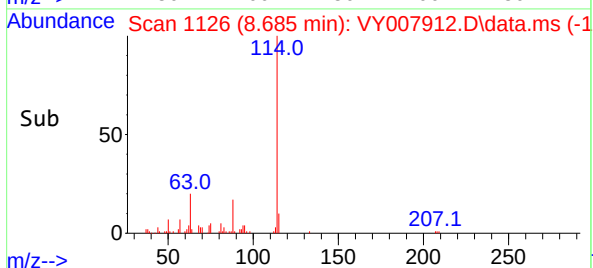
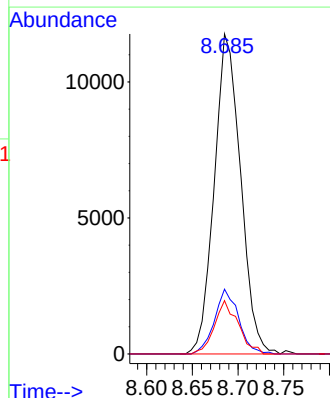
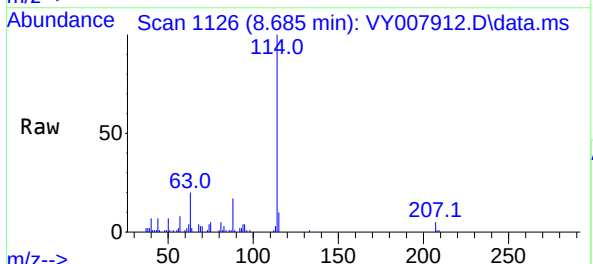
Tgt Ion: 114 Resp: 23546

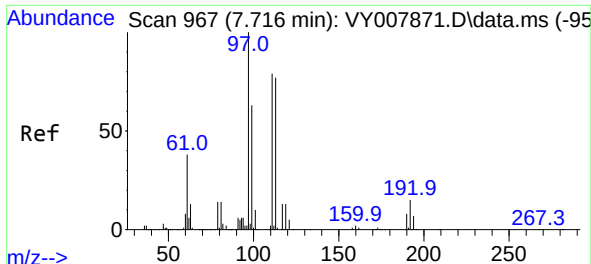
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 16.7 0.0 31.8

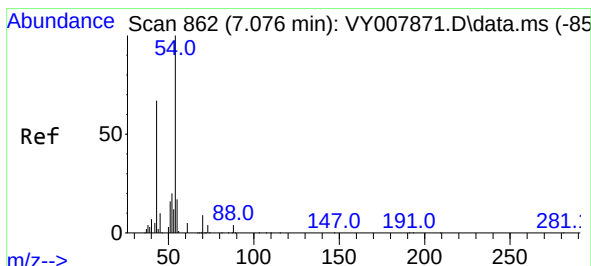
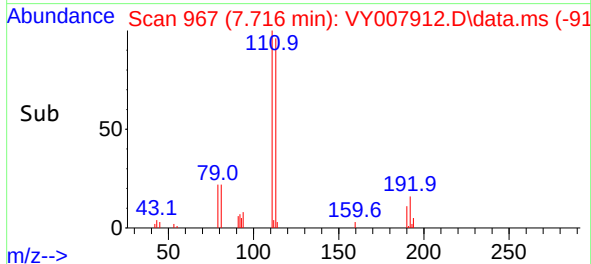
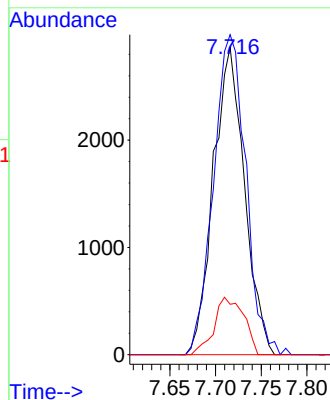
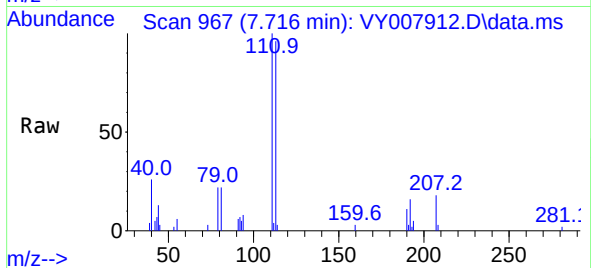




#35
Dibromofluoromethane
Concen: 41.037 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

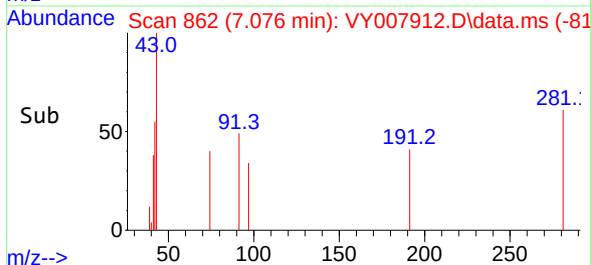
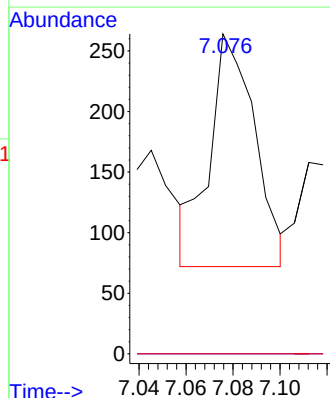
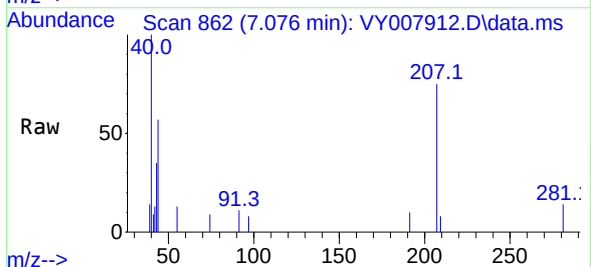
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

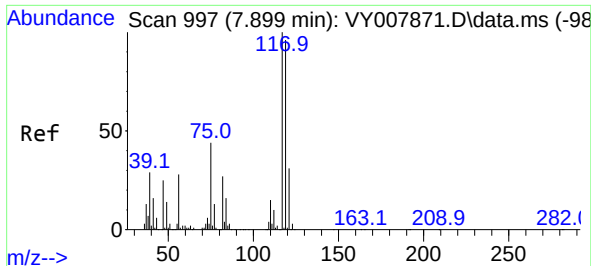
Tgt Ion:113 Resp: 6786
Ion Ratio Lower Upper
113 100
111 108.1 82.6 124.0
192 17.8 17.6 26.4



#37
Ethyl Acetate
Concen: 1.711 ug/l
RT: 7.076 min Scan# 862
Delta R.T. 0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

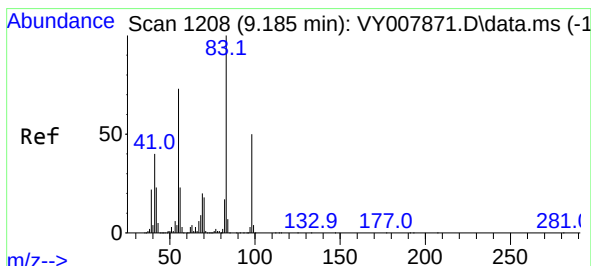
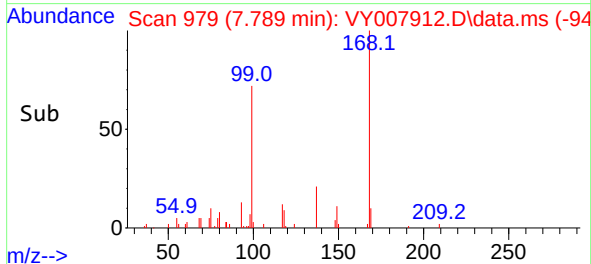
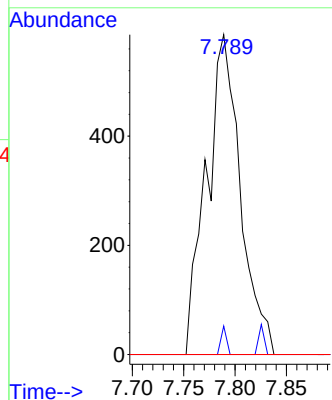
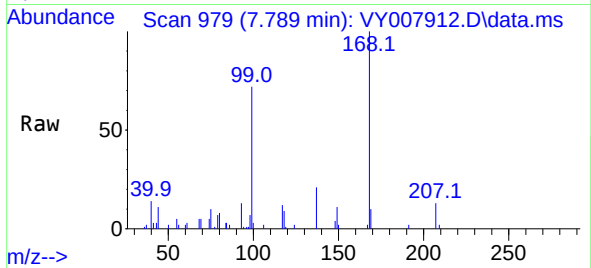




#38
Carbon Tetrachloride
Concen: 5.136 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

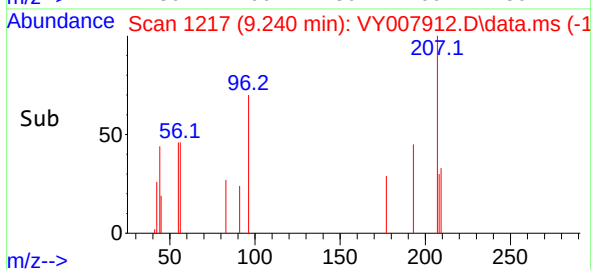
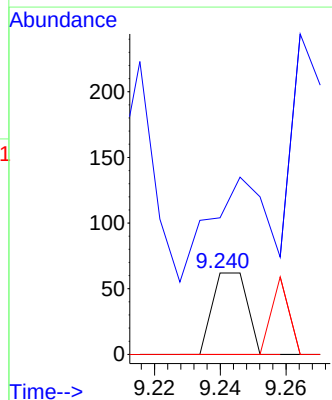
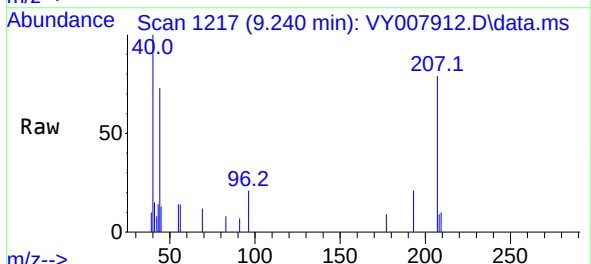
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

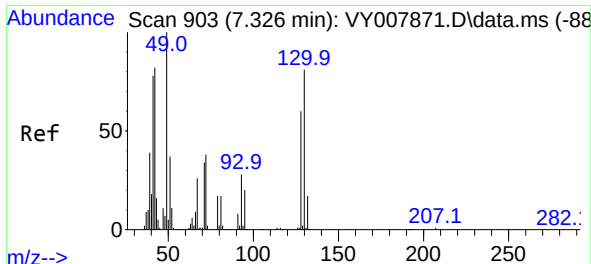
Tgt Ion:117 Resp: 1346
Ion Ratio Lower Upper
117 100
119 8.9 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.240 min Scan# 1217
Delta R.T. 0.055 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion: 83 Resp: 45
Ion Ratio Lower Upper
83 100
55 79.0 66.5 99.7
98 0.0 37.9 56.9#

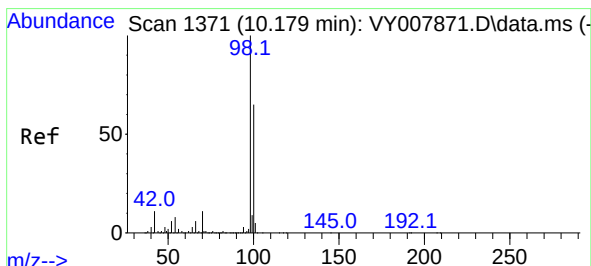
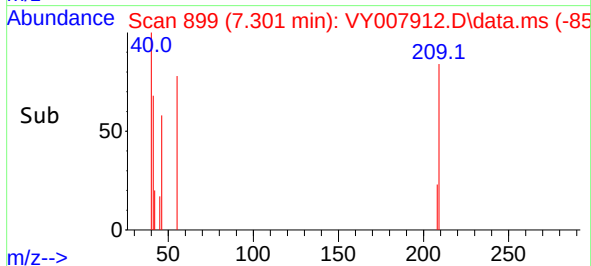
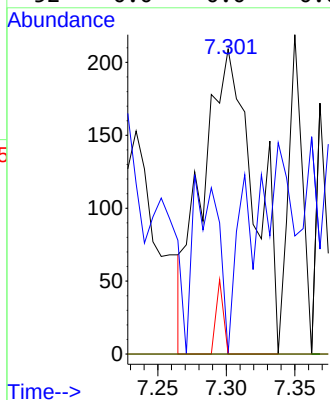
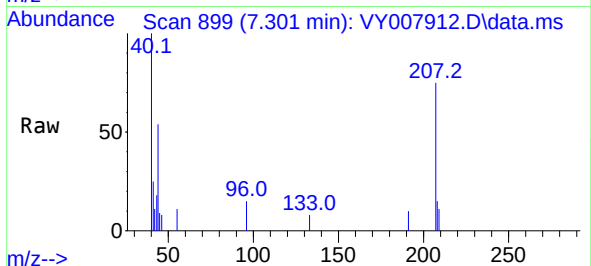




#41
Methacrylonitrile
Concen: 5.970 ug/l
RT: 7.301 min Scan# 899
Delta R.T. -0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

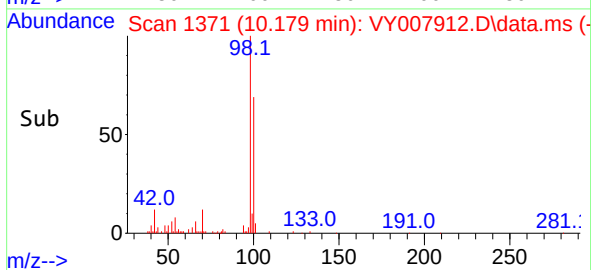
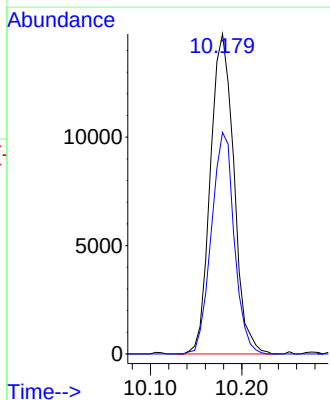
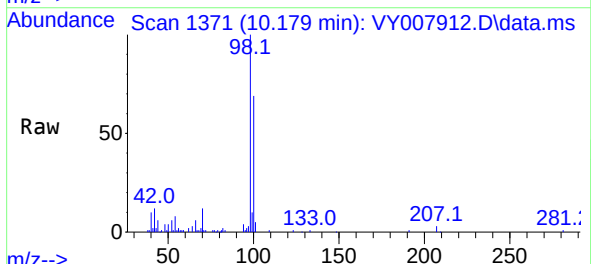
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

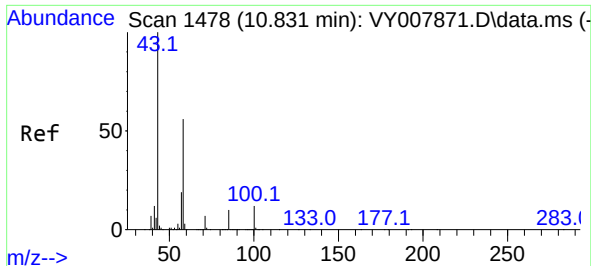
Tgt Ion:	41	Resp:	551
Ion	Ratio	Lower	Upper
41	100		
39	17.6	92.9	139.3#
67	3.4	0.0	0.0#
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 53.178 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion:	98	Resp:	26358
Ion	Ratio	Lower	Upper
98	100		
100	67.4	50.2	75.2

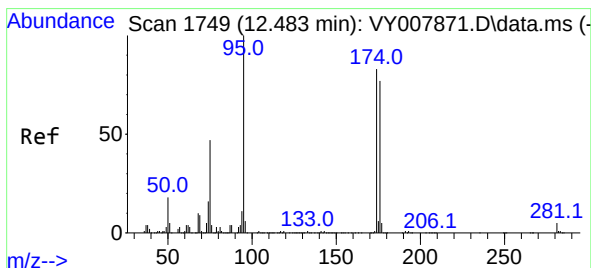
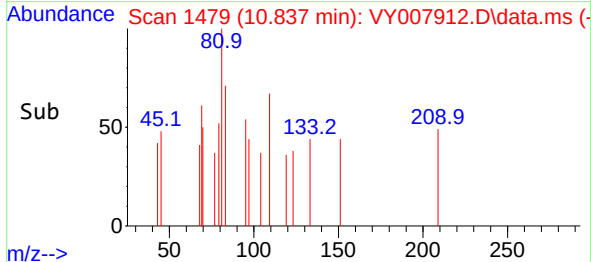
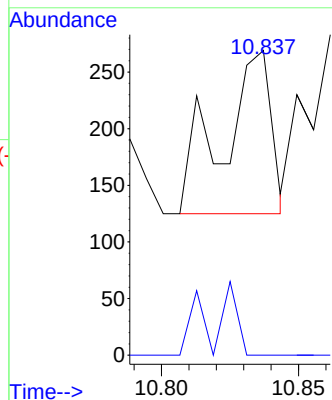
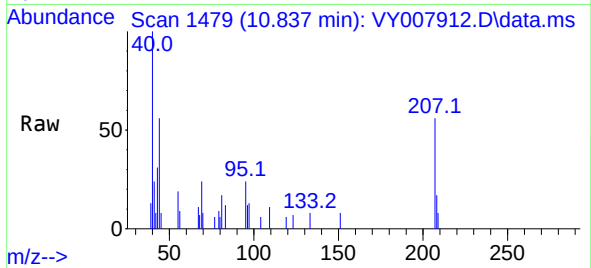




#59
2-Hexanone
Concen: 1.628 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

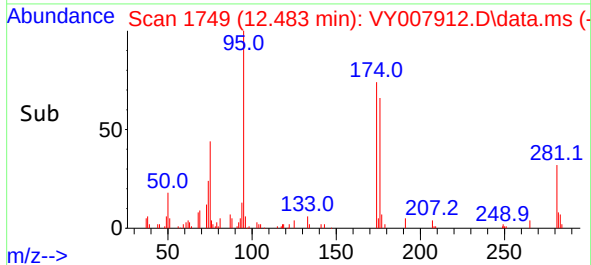
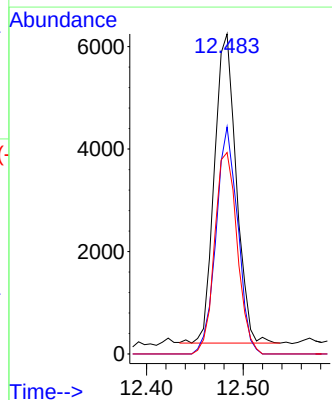
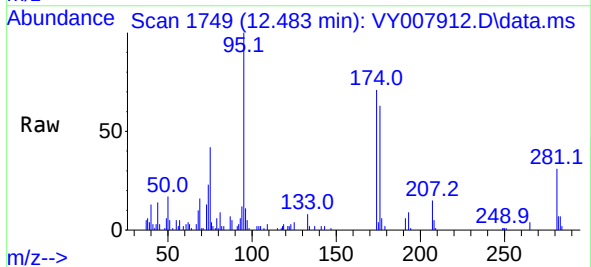
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

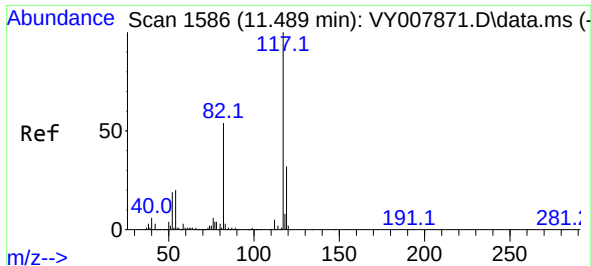
Tgt Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 39.747 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion: 95 Resp: 9433
Ion Ratio Lower Upper
95 100
174 72.9 0.0 177.0
176 67.8 0.0 175.8

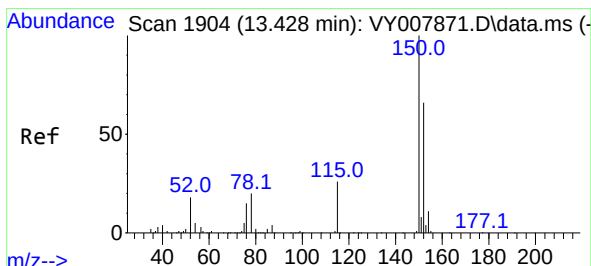
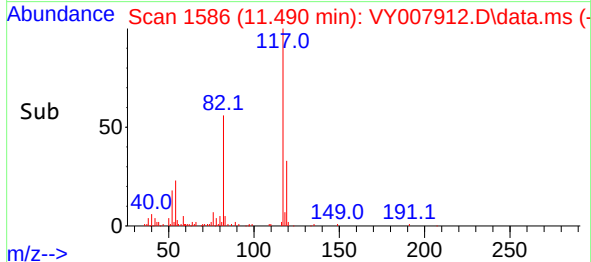
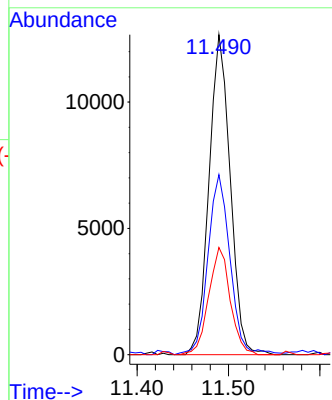
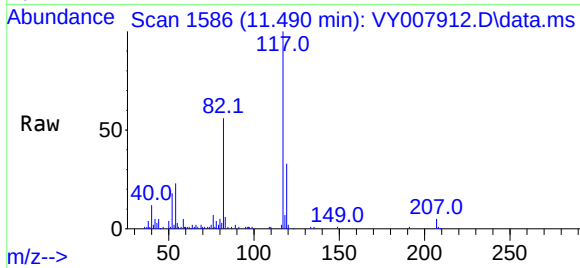




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

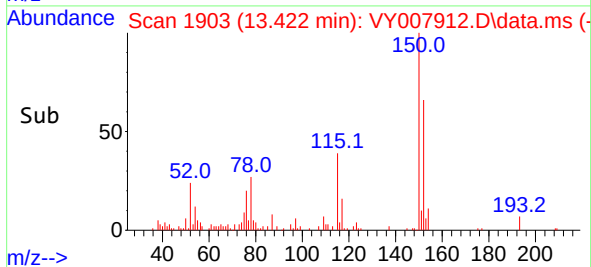
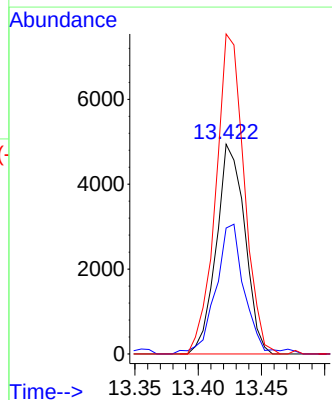
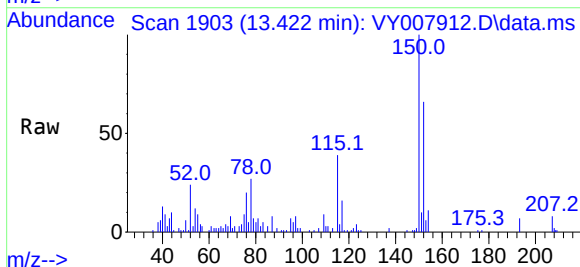
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

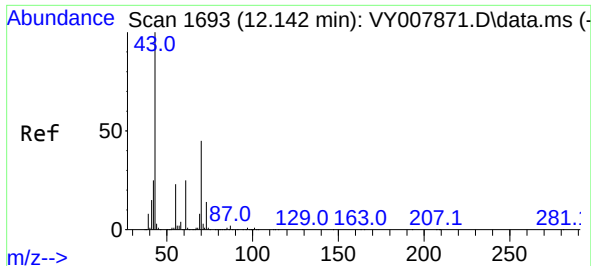
Tgt Ion:117	Resp:	20406
Ion	Ratio	Lower Upper
117	100	
82	55.8	43.0 64.4
119	33.5	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion:152	Resp:	7720
Ion	Ratio	Lower Upper
152	100	
115	62.6	28.2 84.7
150	152.4	0.0 347.6

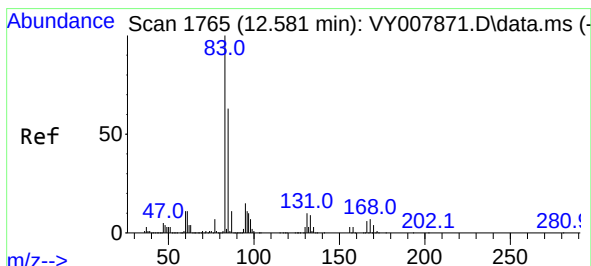
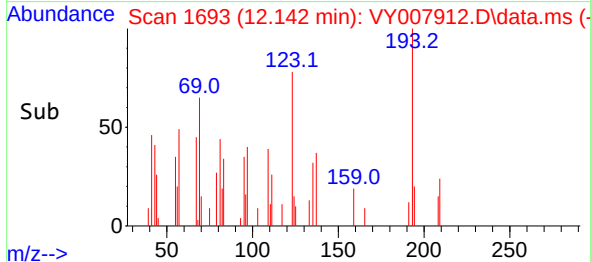
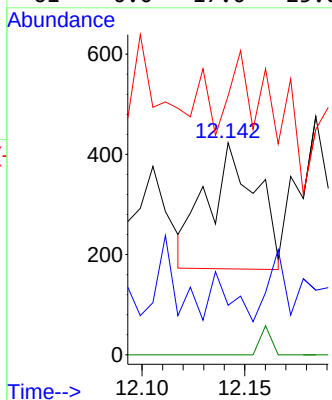
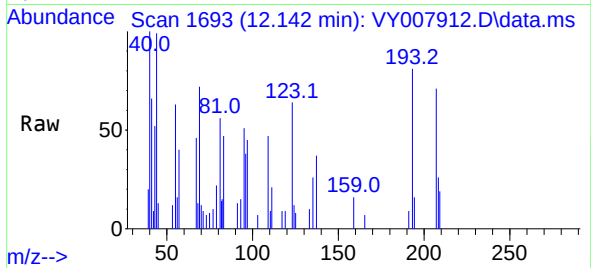




#74
N-amy1 acetate
Concen: 2.070 ug/l
RT: 12.142 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

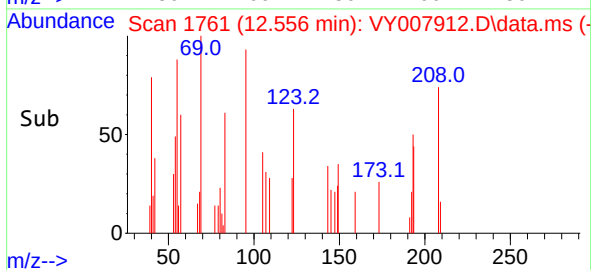
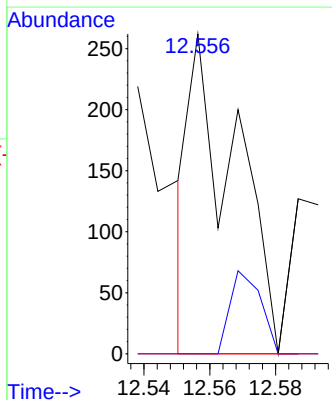
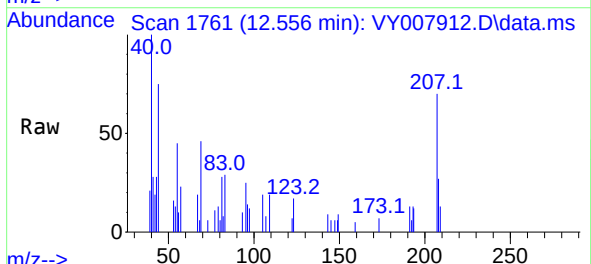
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

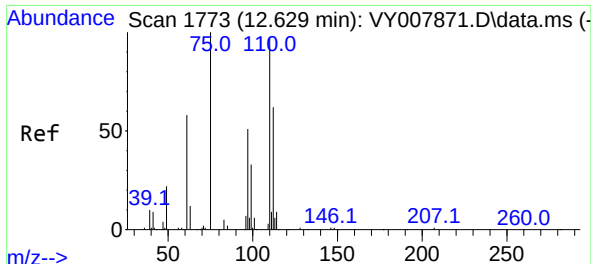
Tgt Ion: 43	Resp:	415	
Ion	Ratio	Lower	Upper
43	100		
70	39.5	28.7	43.1
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.723 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.024 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

Tgt Ion: 83	Resp:	252	
Ion Ratio	Lower	Upper	
83 100			
131 17.5	5.6	16.8#	
85 0.0	32.3	96.8#	

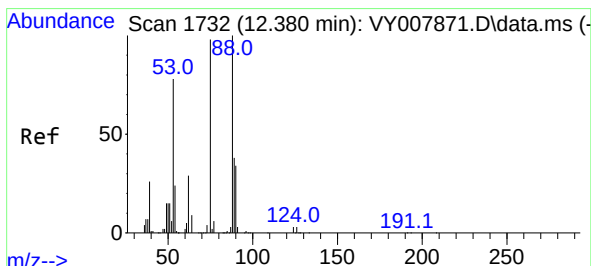
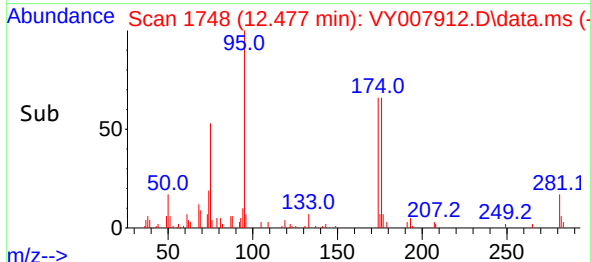
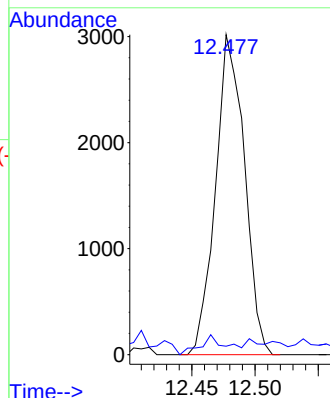
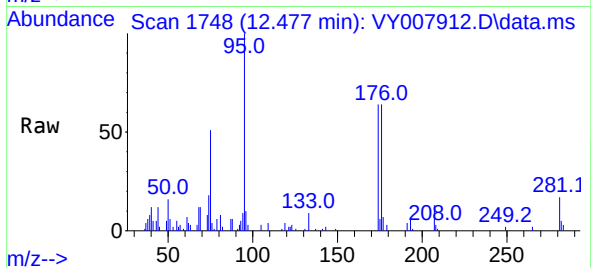




#76
1,2,3-Trichloropropane
Concen: 43.586 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

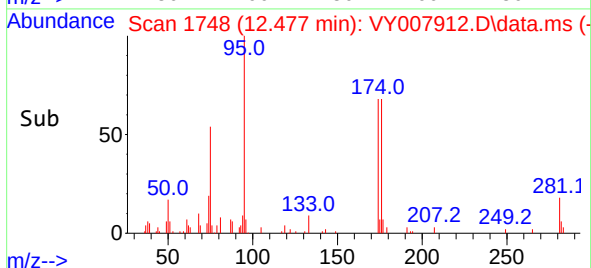
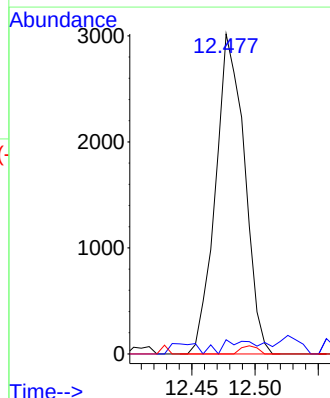
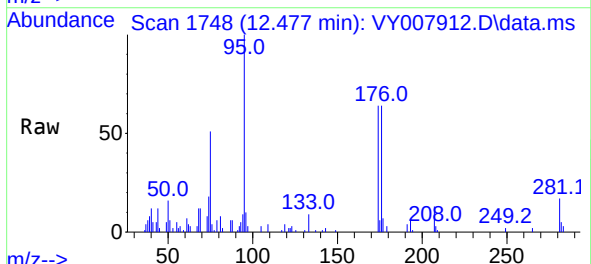
Instrument :
MSVOA_Y
ClientSampleId :
DB-27-(15-20)-3-12-22

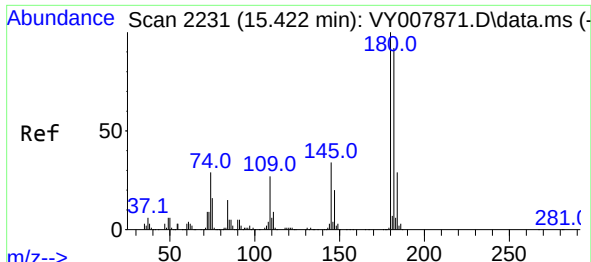
Tgt Ion: 75 Resp: 4796
Ion Ratio Lower Upper
75 100
77 4.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.548 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007912.D
Acq: 18 Mar 2022 19:04

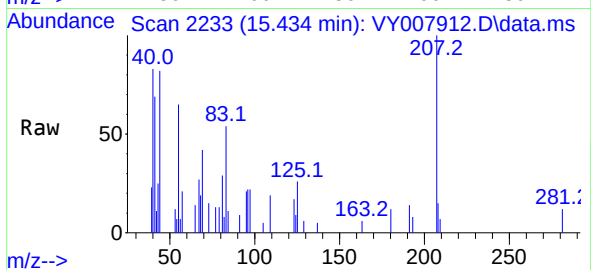
Tgt Ion: 75 Resp: 4796
Ion Ratio Lower Upper
75 100
53 4.7 85.3 127.9#
89 1.5 37.0 55.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.039 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY007912.D
 Acq: 18 Mar 2022 19:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-27-(15-20)-3-12-22



Tgt Ion:	180	Resp:	158
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.9#
145	0.0	15.3	45.9#

