

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007915.D
 Acq On : 18 Mar 2022 20:15
 Operator : SY/MD
 Sample : N1951-10
 Misc : 7.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-8-(30-35)-3-12-22

Quant Time: Mar 19 01:39:22 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)

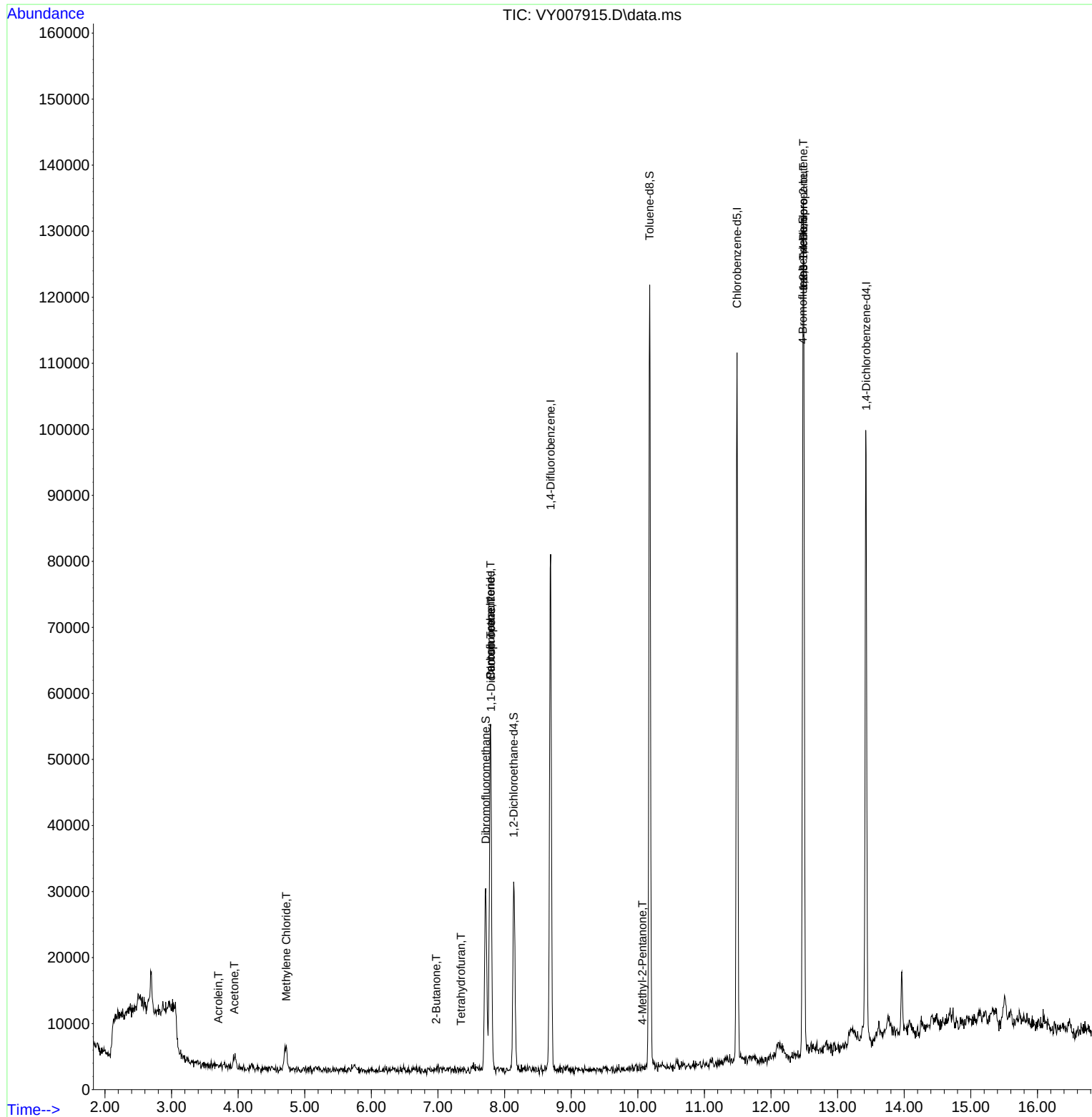
Internal Standards						
1) Pentafluorobenzene	7.789	168	40121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	66719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	56625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	22168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21291	46.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.080%		
35) Dibromofluoromethane	7.716	113	19572	41.770	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.540%		
50) Toluene-d8	10.179	98	78210	55.990	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.980%		
62) 4-Bromofluorobenzene	12.477	95	25823	38.400	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.800%		
Target Compounds						Qvalue
3) Chloromethane	2.107	50	371	Below Cal		99
4) Vinyl Chloride	2.266	62	397	Below Cal	#	43
5) Bromomethane	2.656	94	242	Below Cal	#	4
13) Acrolein	3.704	56	68	2.118 ug/l	#	1
16) Acetone	3.942	43	2835	23.361 ug/l		97
17) Carbon Disulfide	4.192	76	873	Below Cal	#	75
18) Methyl Acetate	4.485	43	273	Below Cal	#	56
20) Methylene Chloride	4.722	84	2833	1.539 ug/l		85
25) 2-Butanone	6.972	43	415	2.135 ug/l	#	54
29) Tetrahydrofuran	7.344	42	244	1.959 ug/l	#	38
31) Cyclohexane	7.789	56	1006	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	3303	4.753 ug/l	#	43
38) Carbon Tetrachloride	7.789	117	4117	5.544 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.069	43	441	1.024 ug/l	#	80
76) 1,2,3-Trichloropropane	12.483	75	13561	42.919 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	13561	90.147 ug/l	#	9

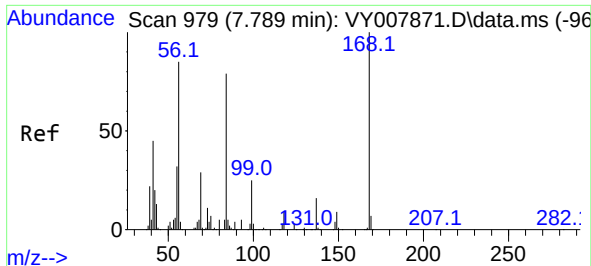
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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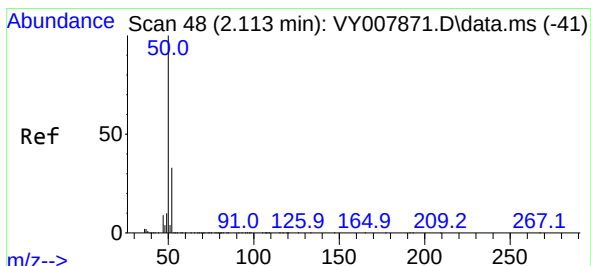
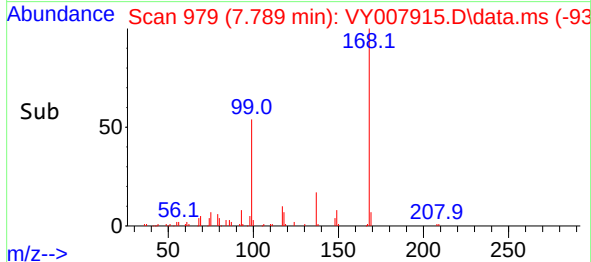
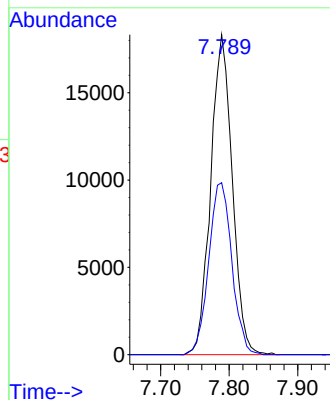
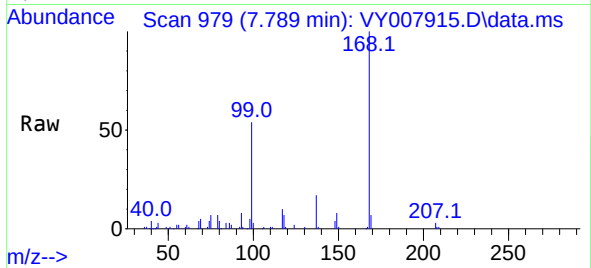




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

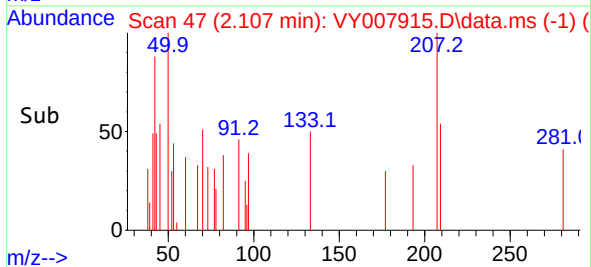
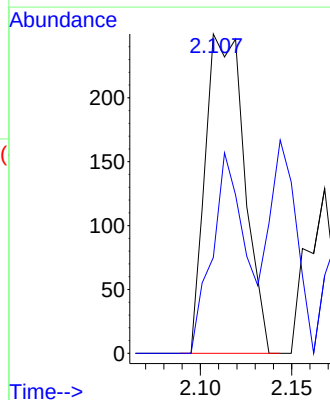
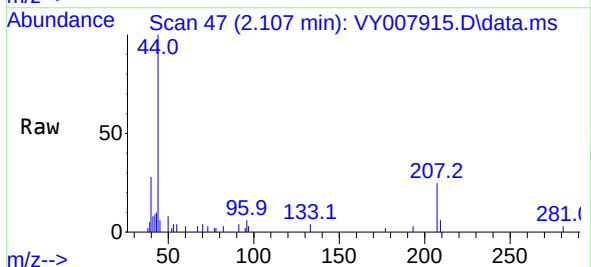
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

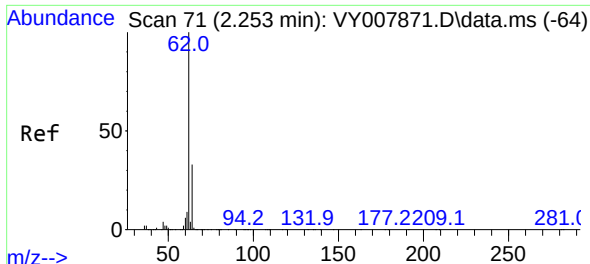
Tgt Ion:168 Resp: 40121
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 50 Resp: 371
Ion Ratio Lower Upper
50 100
52 30.0 24.6 37.0

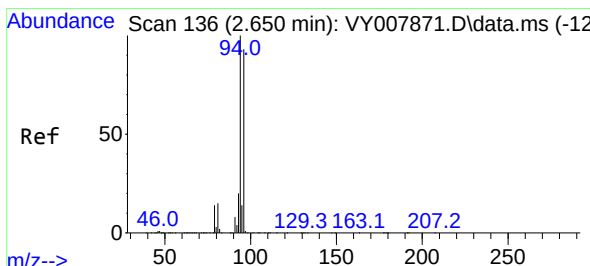
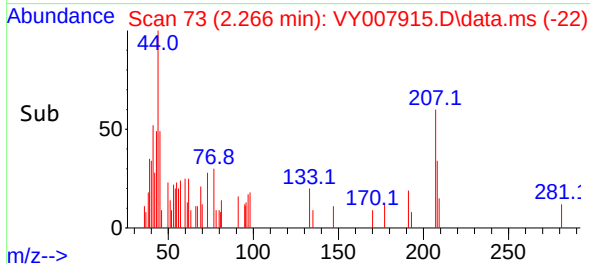
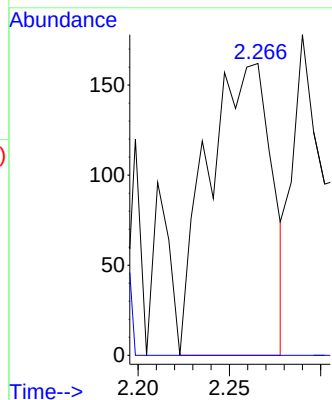
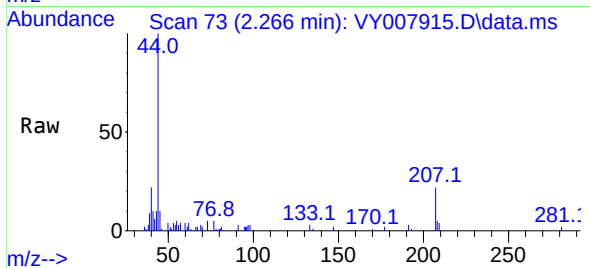




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.266 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VY007915.D
 Acq: 18 Mar 2022 20:15

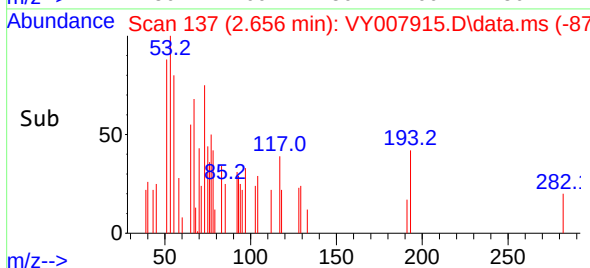
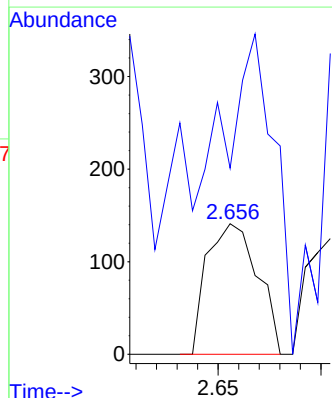
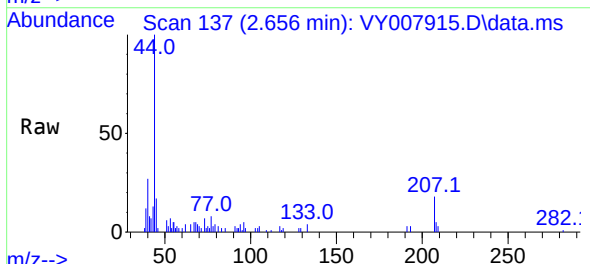
Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-8-(30-35)-3-12-22

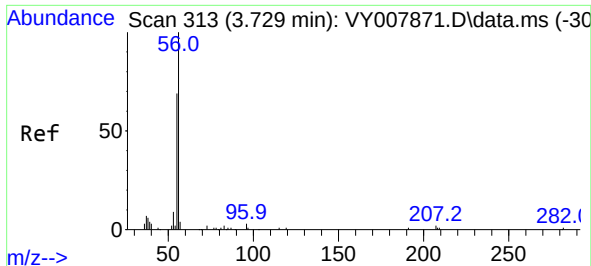
Tgt Ion: 62 Resp: 397
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.006 min
 Lab File: VY007915.D
 Acq: 18 Mar 2022 20:15

Tgt Ion: 94 Resp: 242
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.5 110.3#

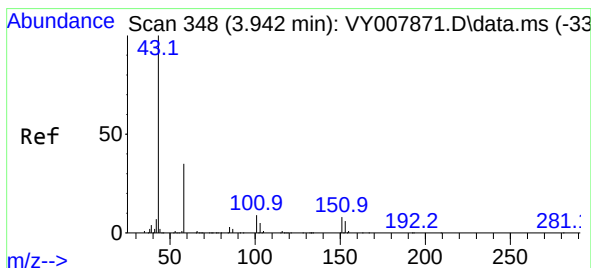
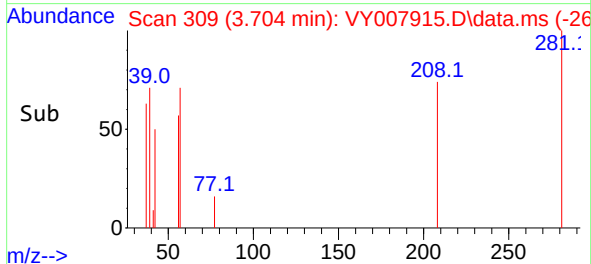
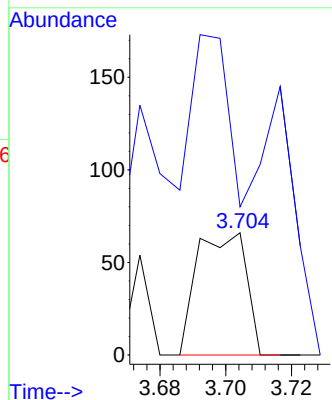
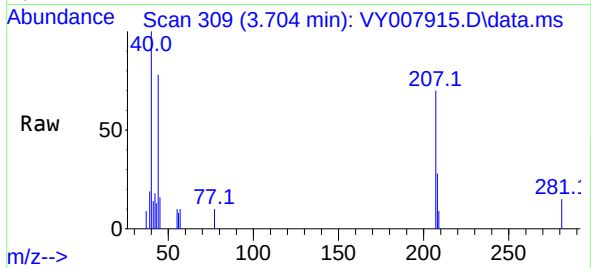




#13
Acrolein
Concen: 2.118 ug/l
RT: 3.704 min Scan# 309
Delta R.T. -0.024 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

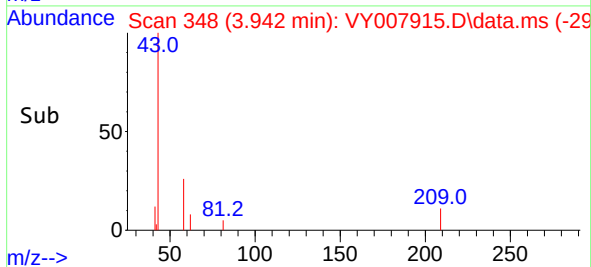
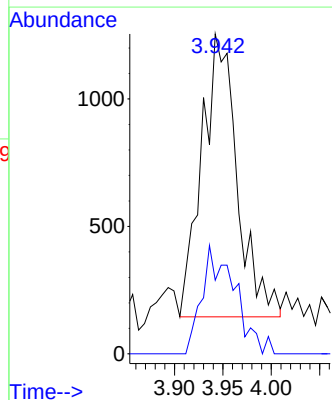
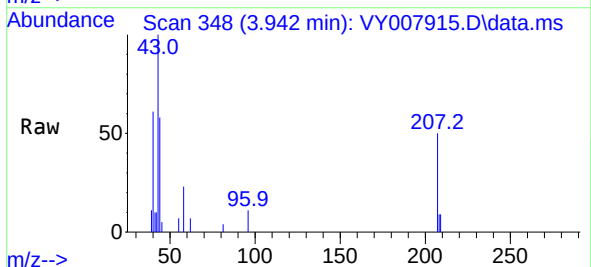
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

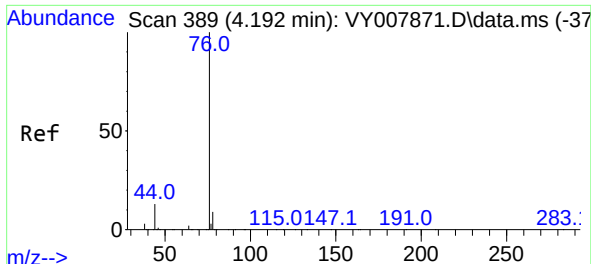
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 566.2 57.6 86.4#



#16
Acetone
Concen: 23.361 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 43 Resp: 2835
Ion Ratio Lower Upper
43 100
58 26.0 22.0 33.0

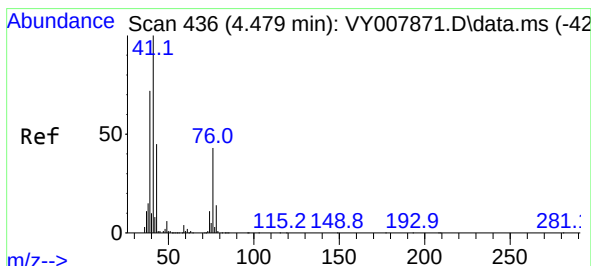
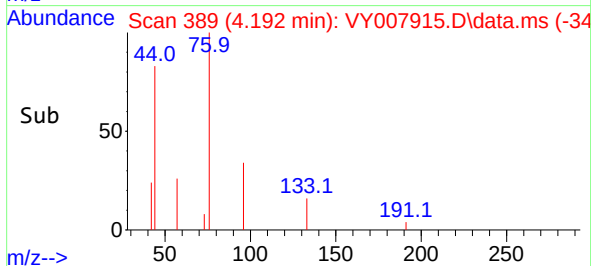
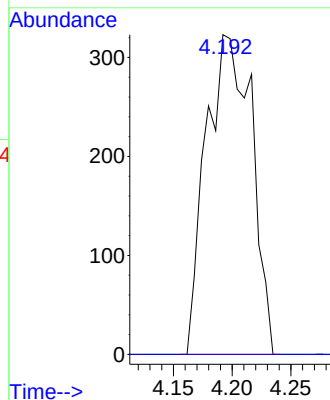
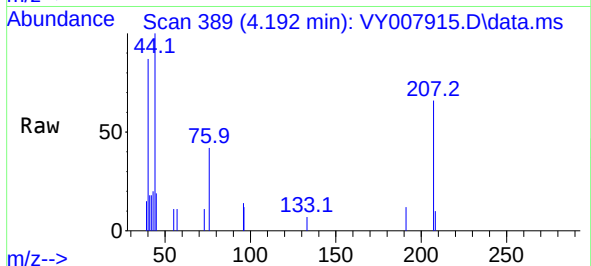




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

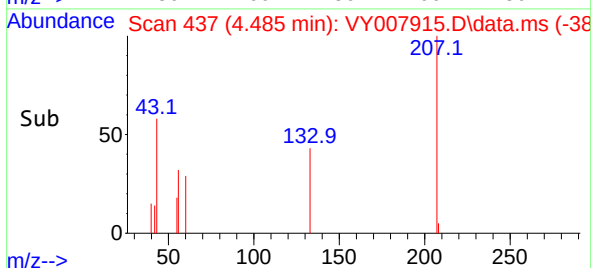
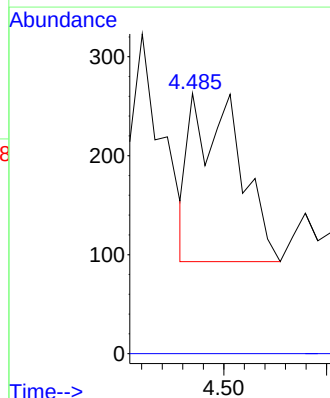
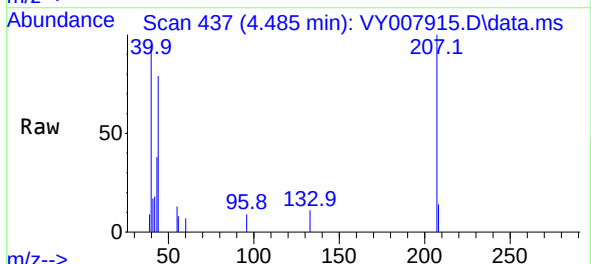
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

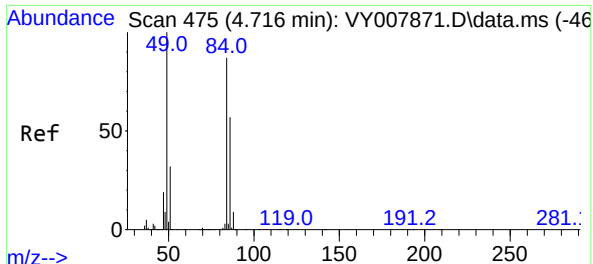
Tgt Ion: 76 Resp: 873
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



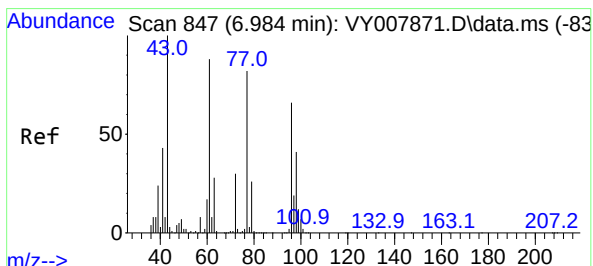
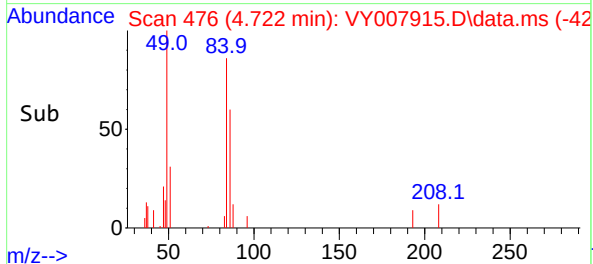
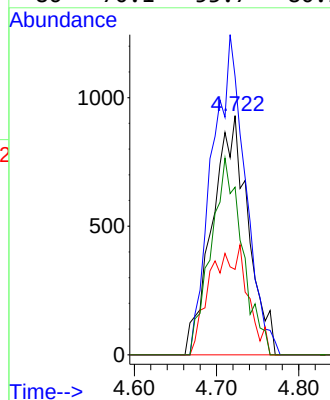
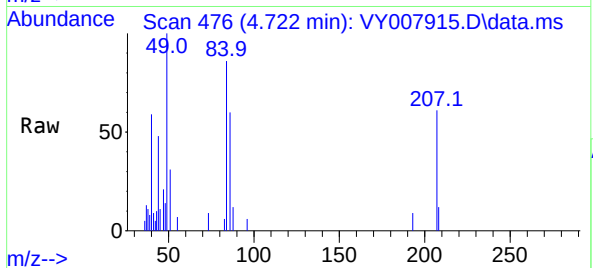


#20
Methylene Chloride
Concen: 1.539 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

Tgt Ion: 84 Resp: 2833

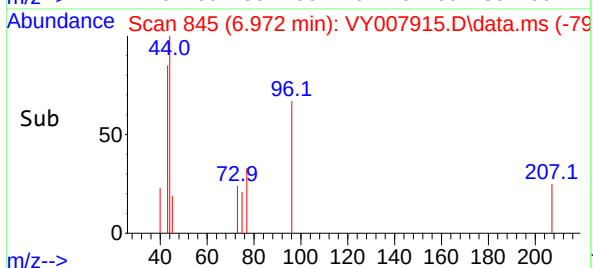
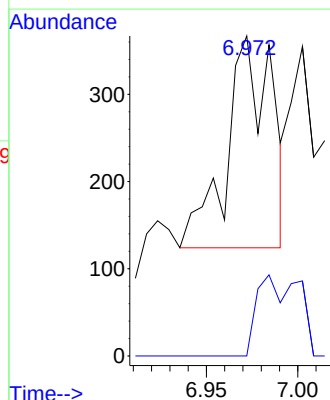
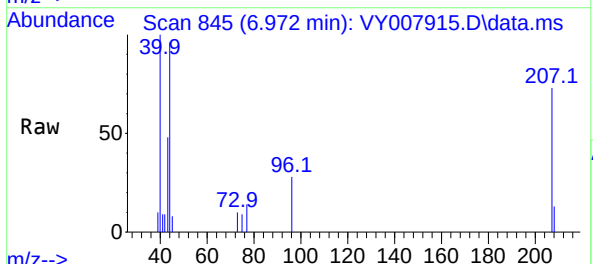
Ion	Ratio	Lower	Upper
84	100		
49	116.3	114.4	171.6
51	35.7	35.3	52.9
86	70.1	53.7	80.5

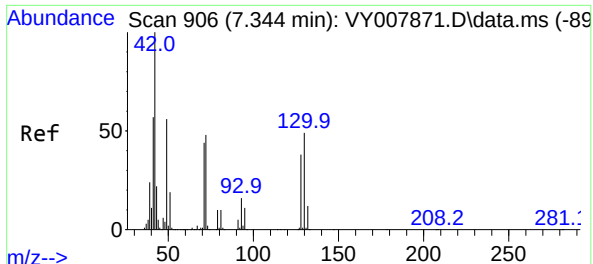


#25
2-Butanone
Concen: 2.135 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 43 Resp: 415

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

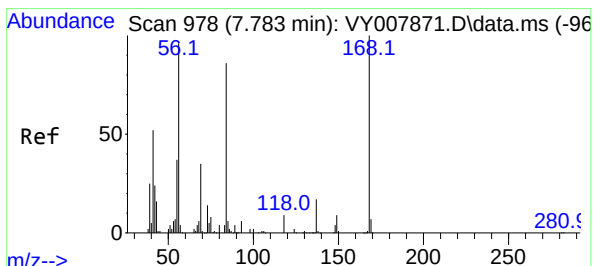
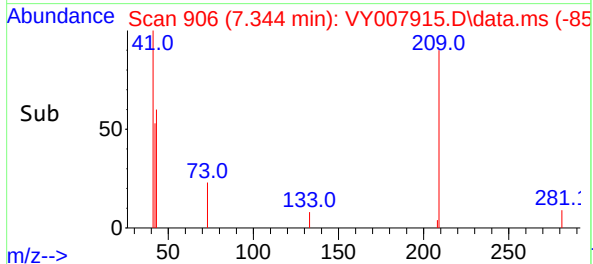
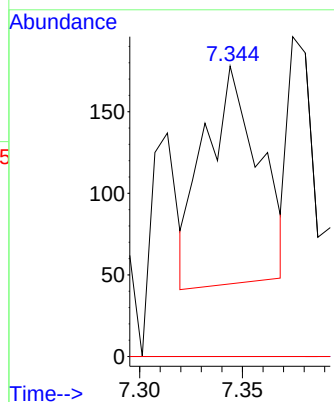
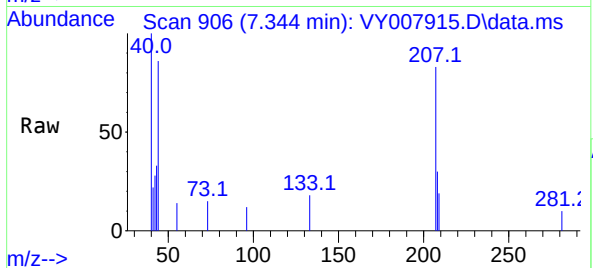




#29
Tetrahydrofuran
Concen: 1.959 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

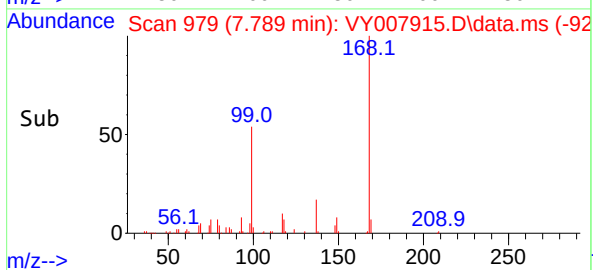
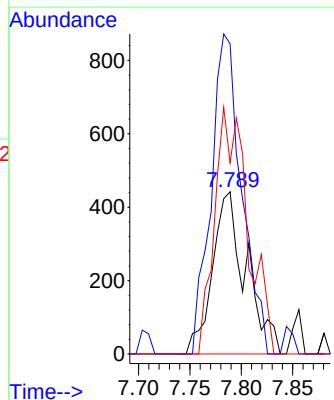
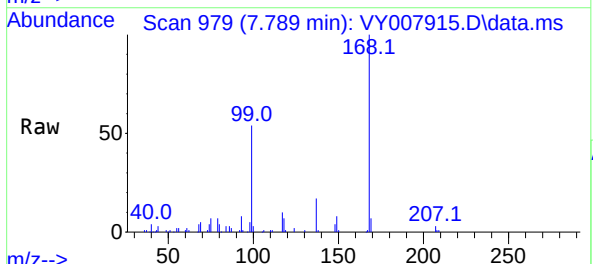
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

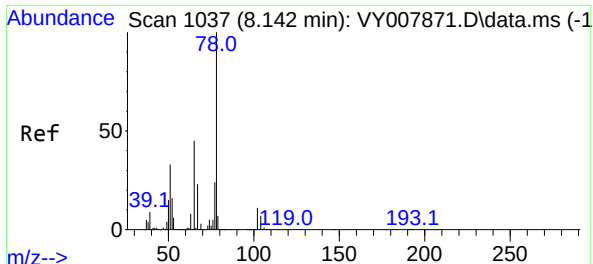
Tgt Ion:	42	Resp:	244
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion:	56	Resp:	1006
Ion	Ratio	Lower	Upper
56	100		
69	191.2	26.7	40.1#
84	117.9	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 46.542 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY007915.D

Acq: 18 Mar 2022 20:15

Instrument :

MSVOA_Y

ClientSampleId :

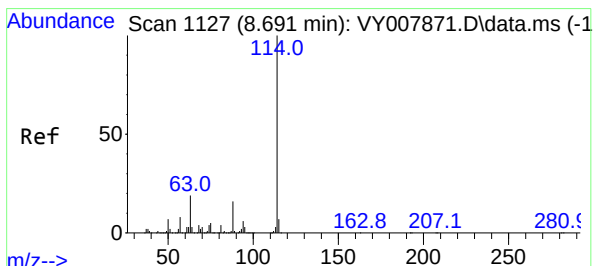
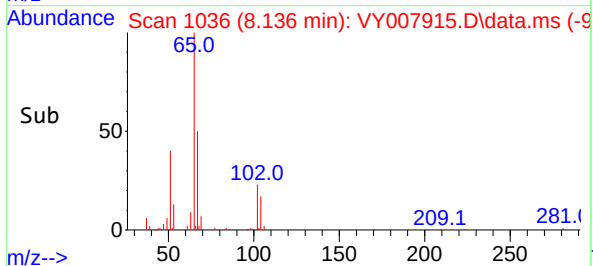
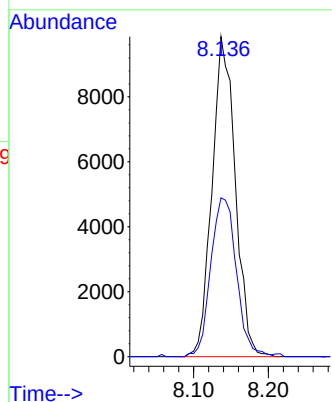
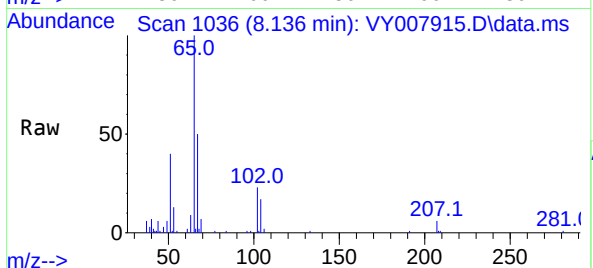
DB-8-(30-35)-3-12-22

Tgt Ion: 65 Resp: 21291

Ion Ratio Lower Upper

65 100

67 54.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007915.D

Acq: 18 Mar 2022 20:15

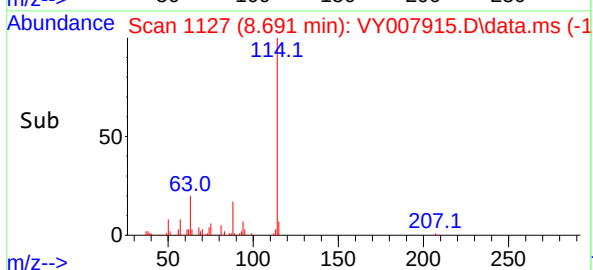
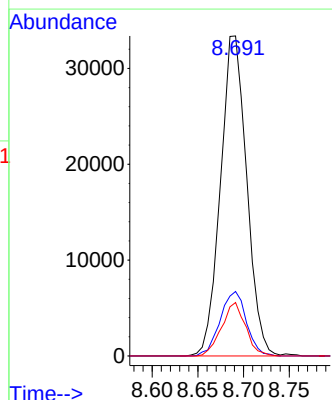
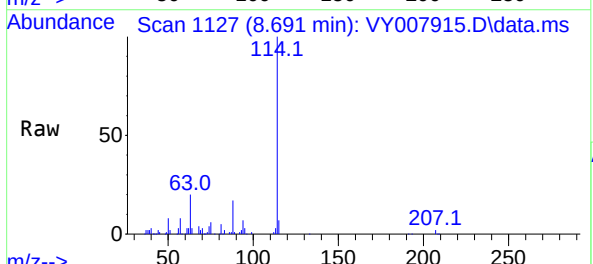
Tgt Ion:114 Resp: 66719

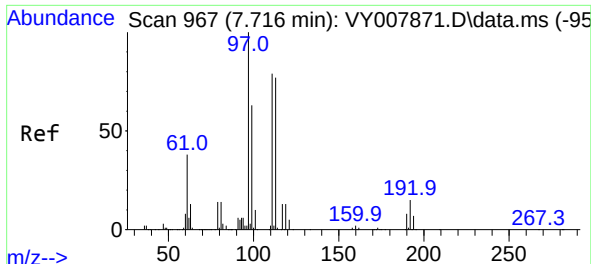
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 16.7 0.0 31.8

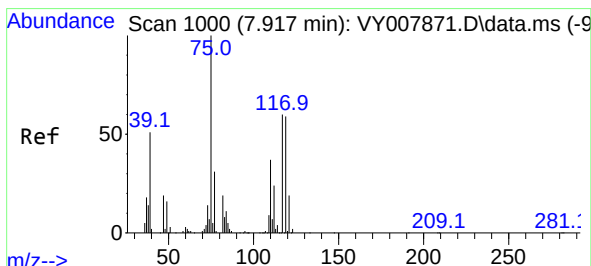
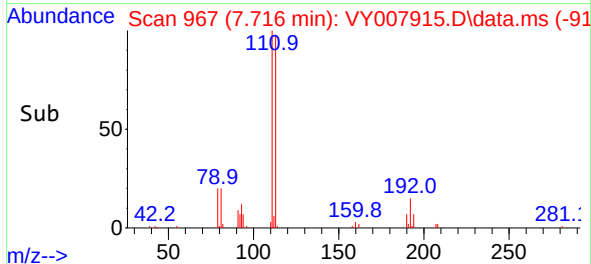
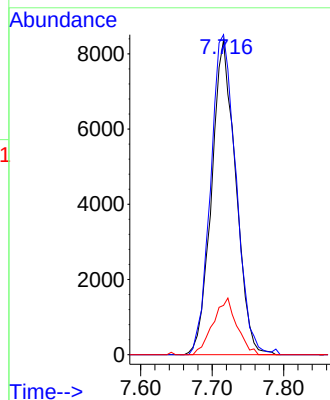
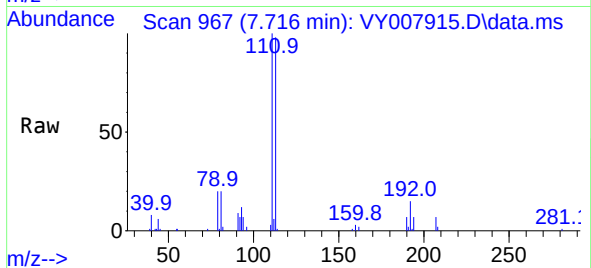




#35
Dibromofluoromethane
Concen: 41.770 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

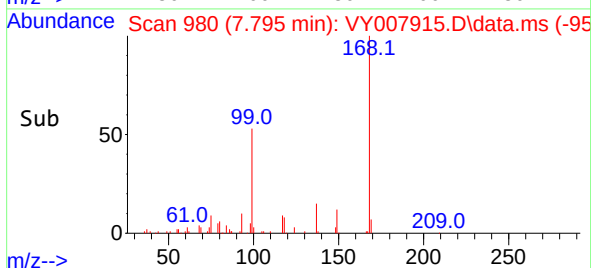
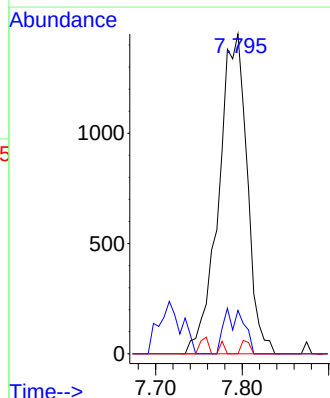
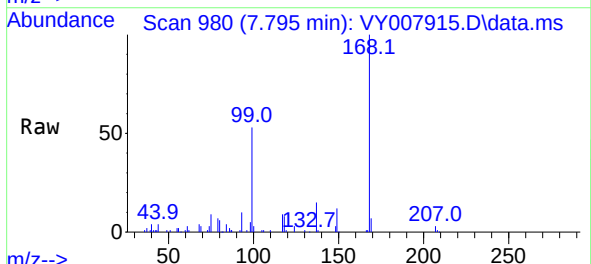
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

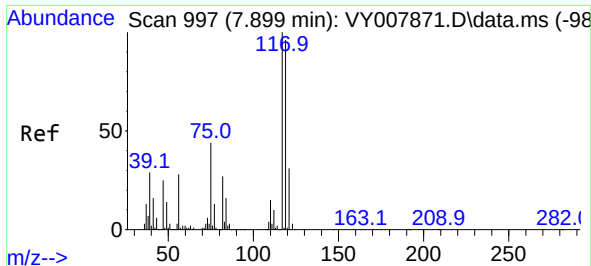
Tgt Ion:113 Resp: 19572
Ion Ratio Lower Upper
113 100
111 107.2 82.6 124.0
192 17.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 75 Resp: 3303
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 1.2 24.4 36.6#

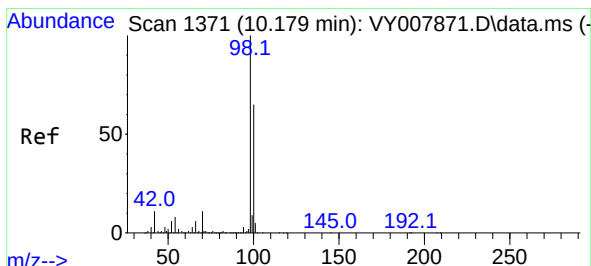
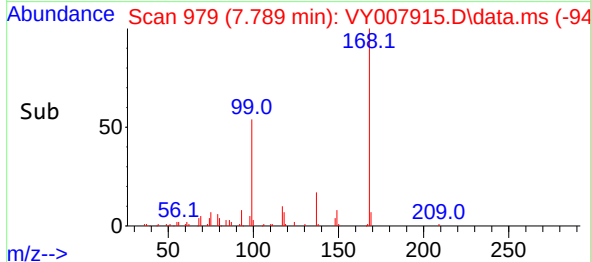
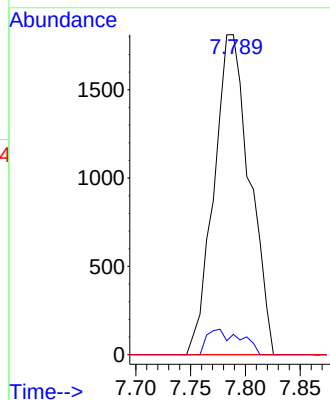
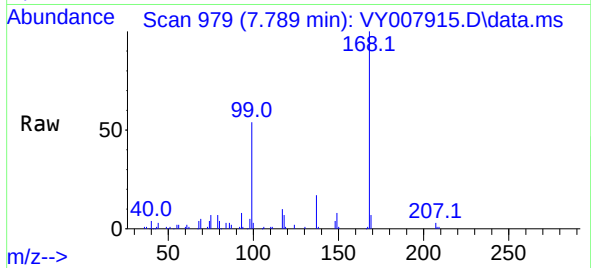




#38
Carbon Tetrachloride
Concen: 5.544 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

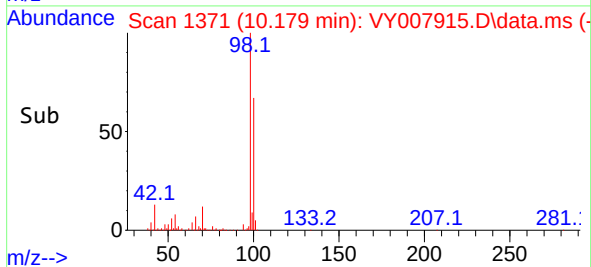
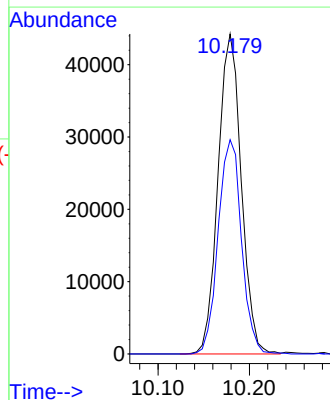
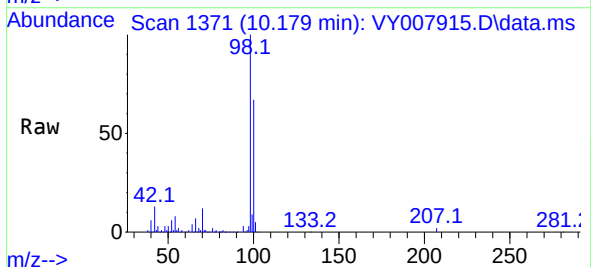
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

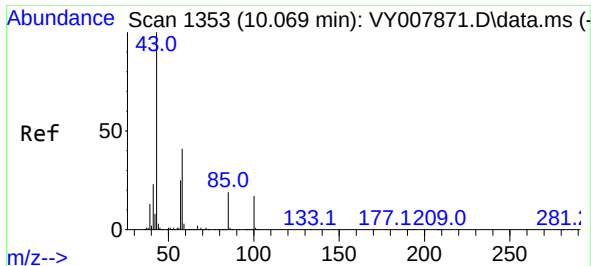
Tgt Ion:117 Resp: 4117
Ion Ratio Lower Upper
117 100
119 6.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.990 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 98 Resp: 78210
Ion Ratio Lower Upper
98 100
100 67.3 50.2 75.2

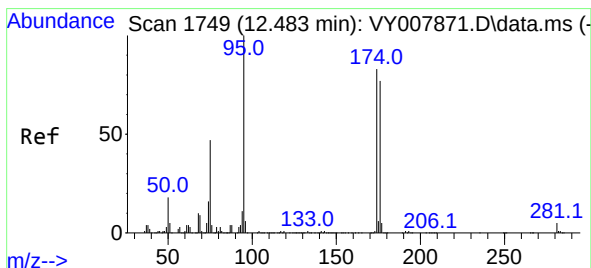
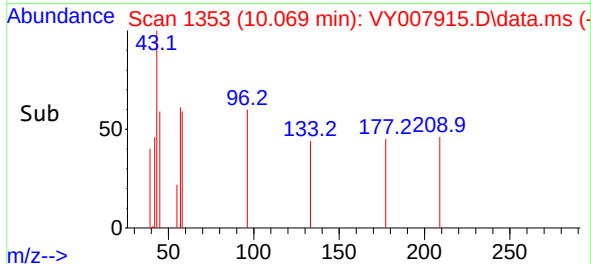
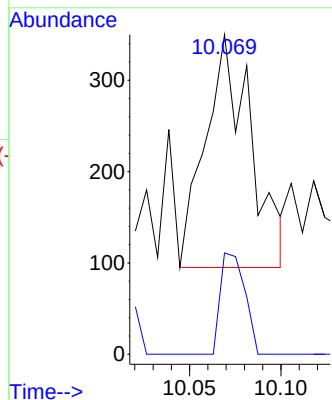
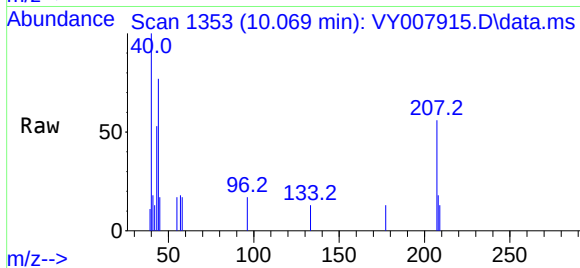




#51
4-Methyl-2-Pentanone
Concen: 1.024 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

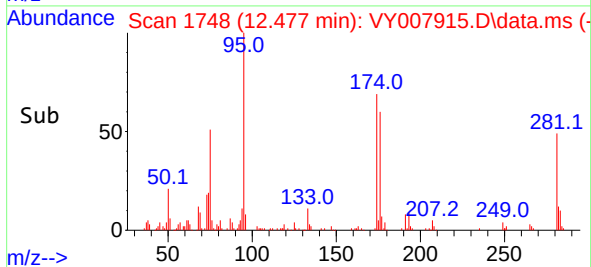
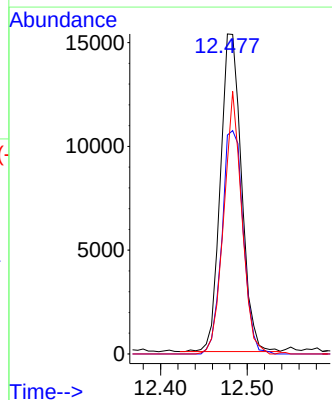
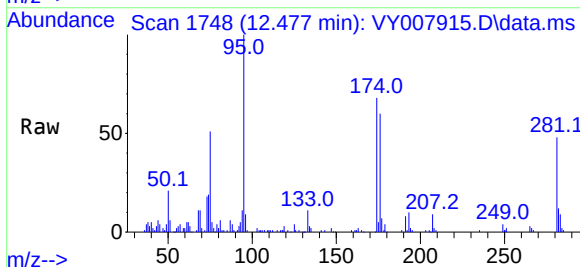
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

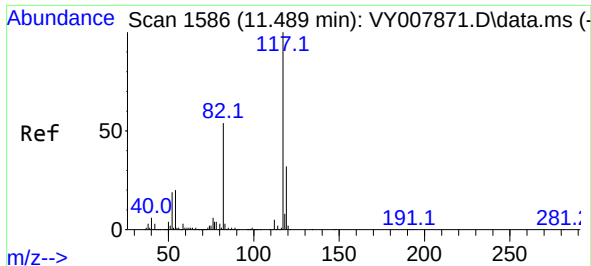
Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
58 23.4 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 38.400 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 95 Resp: 25823
Ion Ratio Lower Upper
95 100
174 71.4 0.0 177.0
176 70.9 0.0 175.8

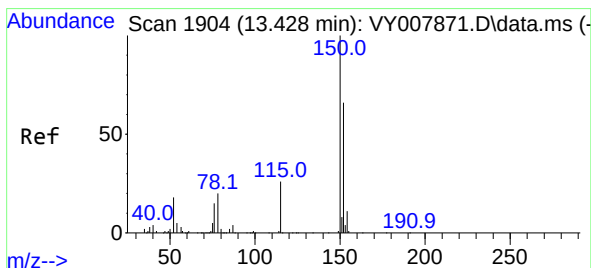
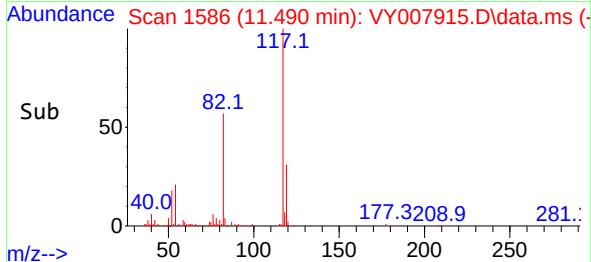
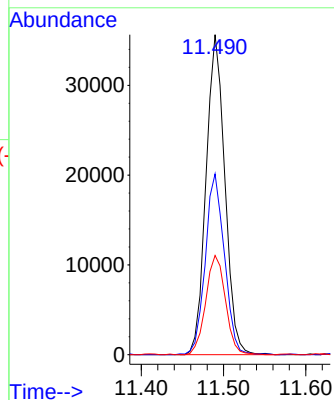
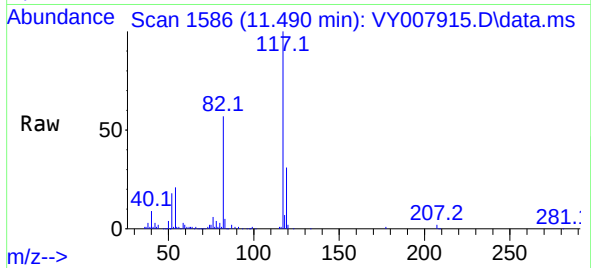




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

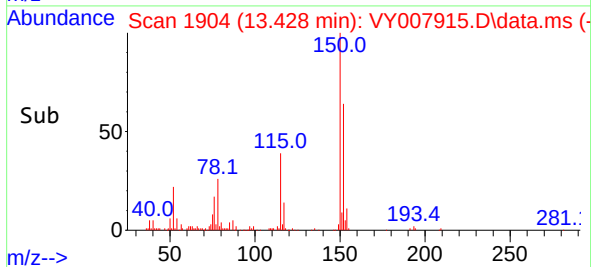
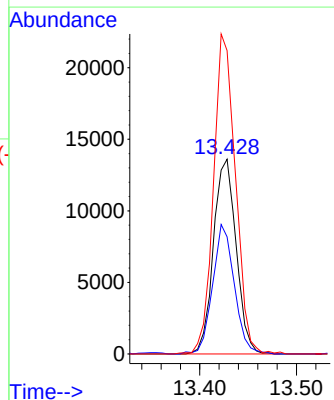
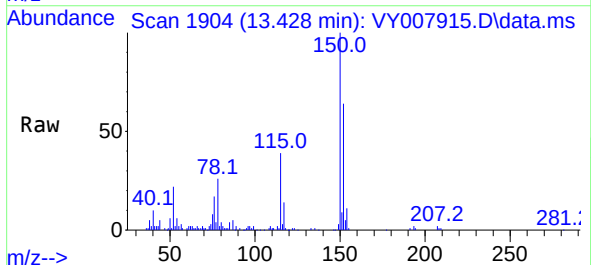
Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

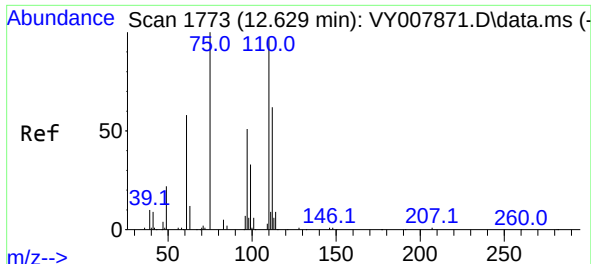
Tgt Ion:117	Resp:	56625
Ion	Ratio	Lower Upper
117	100	
82	56.5	43.0 64.4
119	31.0	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion:152	Resp:	22168
Ion	Ratio	Lower Upper
152	100	
115	63.6	28.2 84.7
150	159.1	0.0 347.6

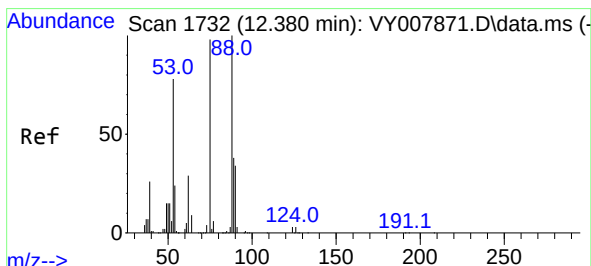
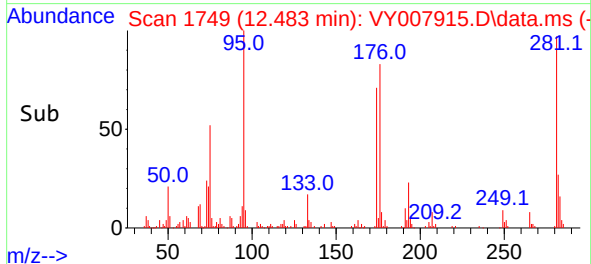
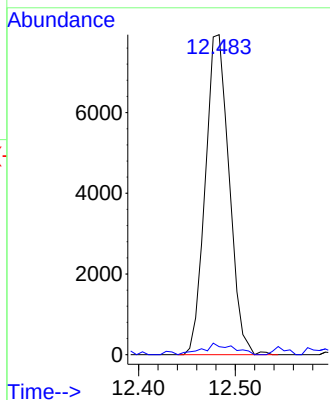
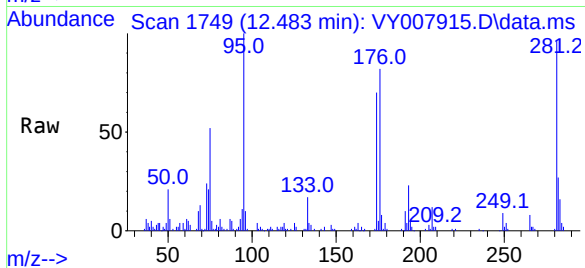




#76
1,2,3-Trichloropropane
Concen: 42.919 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Instrument :
MSVOA_Y
ClientSampleId :
DB-8-(30-35)-3-12-22

Tgt Ion: 75 Resp: 13561
Ion Ratio Lower Upper
75 100
77 4.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.147 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007915.D
Acq: 18 Mar 2022 20:15

Tgt Ion: 75 Resp: 13561
Ion Ratio Lower Upper
75 100
53 0.8 85.3 127.9#
89 1.9 37.0 55.4#

