

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007952.D
 Acq On : 21 Mar 2022 14:15
 Operator : SY/MD
 Sample : N1875-13RE
 Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10D

Quant Time: Mar 22 03:39:30 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)

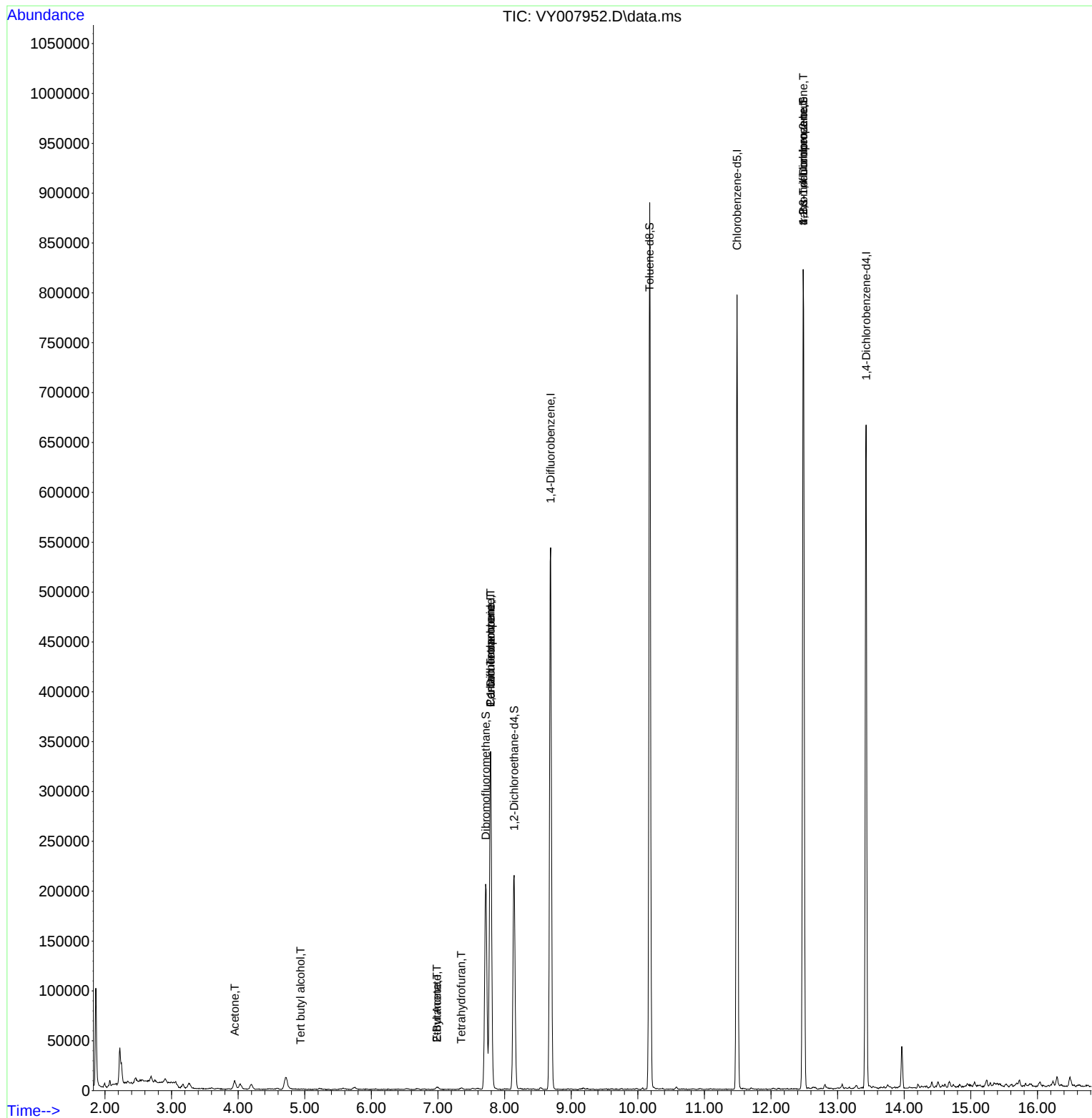
Internal Standards						
1) Pentafluorobenzene	7.789	168	251500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	470437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	422302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	165257	57.630	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.260%	
35) Dibromofluoromethane	7.716	113	149248	45.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.340%	
50) Toluene-d8	10.179	98	572863	58.413	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.820%	
62) 4-Bromofluorobenzene	12.483	95	189291	39.921	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	54	Below Cal	#	43
3) Chloromethane	2.113	50	760	Below Cal		99
4) Vinyl Chloride	2.272	62	218	Below Cal	#	43
5) Bromomethane	2.656	94	343	Below Cal		94
11) Tert butyl alcohol	4.936	59	368	1.102 ug/l	#	77
16) Acetone	3.948	43	12985	17.069 ug/l		94
17) Carbon Disulfide	4.192	76	7786	Below Cal		99
18) Methyl Acetate	4.472	43	1642	Below Cal	#	74
20) Methylene Chloride	4.716	84	9191	Below Cal		93
25) 2-Butanone	6.984	43	3055	2.507 ug/l		98
29) Tetrahydrofuran	7.350	42	1321	1.692 ug/l	#	87
31) Cyclohexane	7.789	56	6262	Below Cal	#	2
36) 1,1-Dichloropropene	7.789	75	22091	4.508 ug/l	#	50
37) Ethyl Acetate	6.984	43	3055	1.022 ug/l	#	72
38) Carbon Tetrachloride	7.789	117	27621	5.275 ug/l	#	15
39) Methylcyclohexane	9.179	83	361	Below Cal	#	79
76) 1,2,3-Trichloropropane	12.483	75	102936	44.643 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	102936	93.768 ug/l	#	8

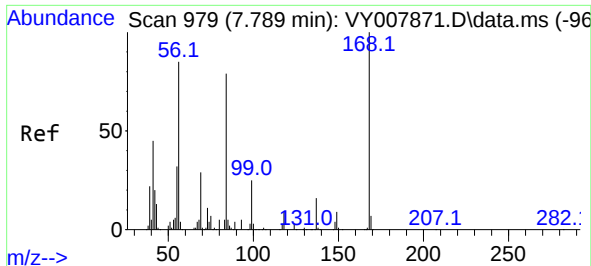
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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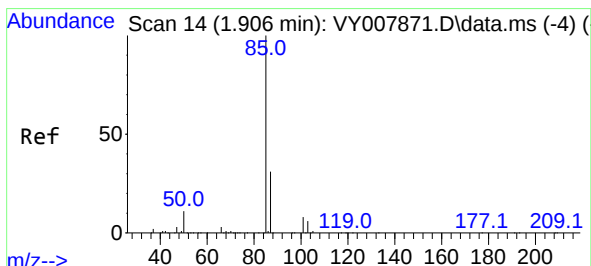
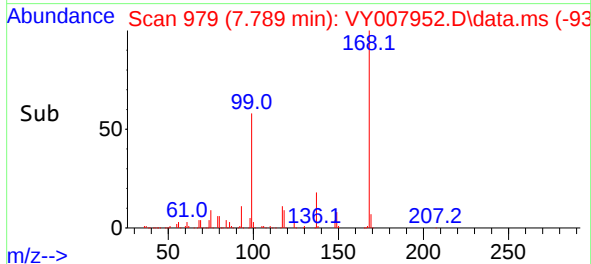
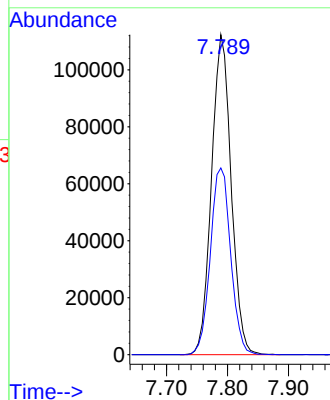
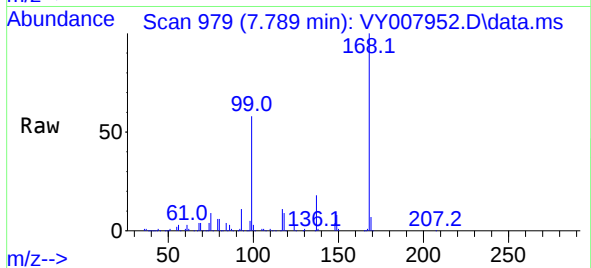




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

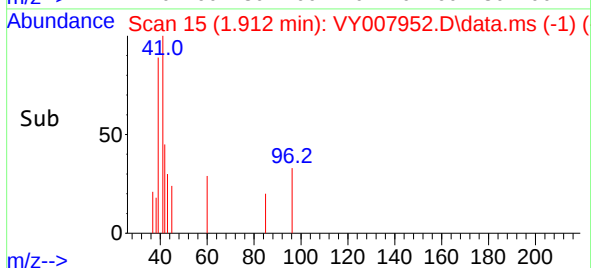
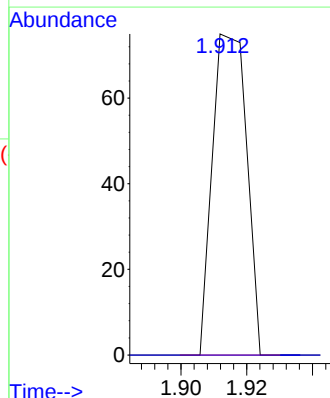
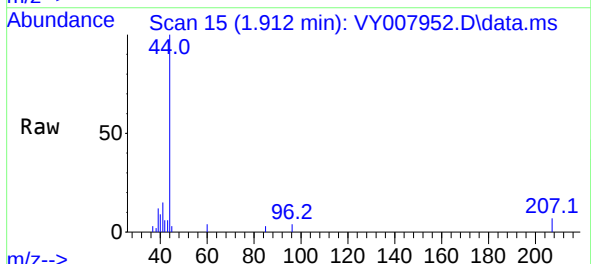
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

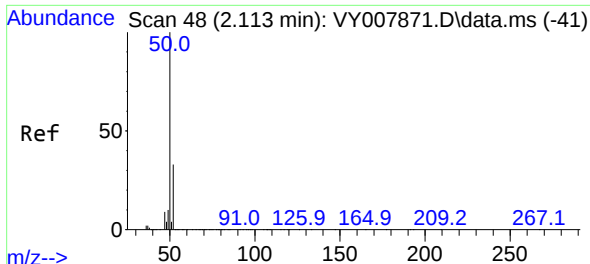
Tgt Ion:168 Resp: 251500
Ion Ratio Lower Upper
168 100
99 58.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

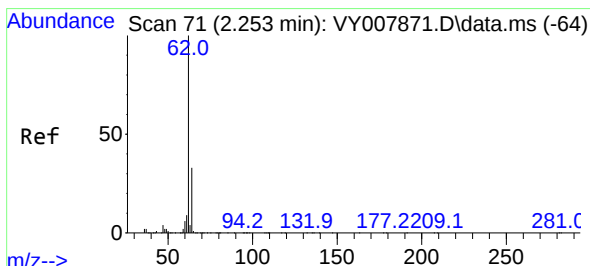
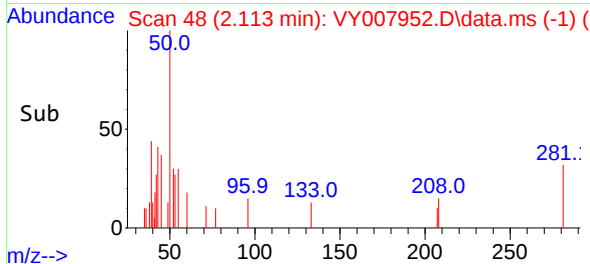
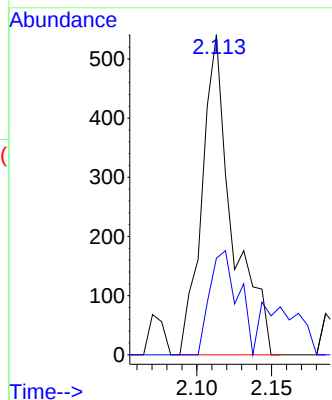
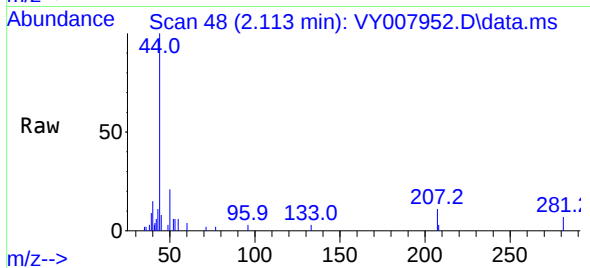




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

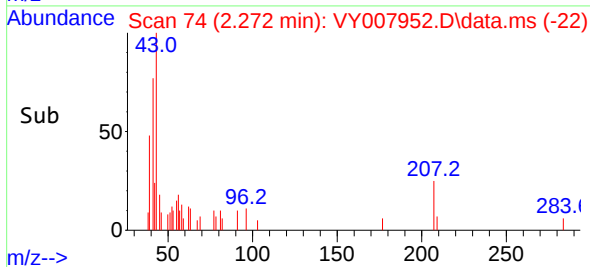
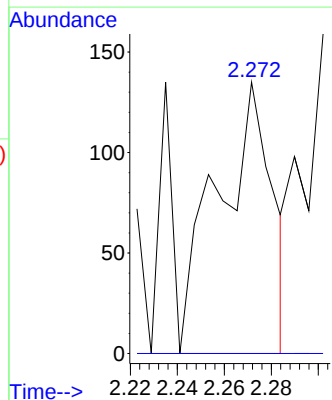
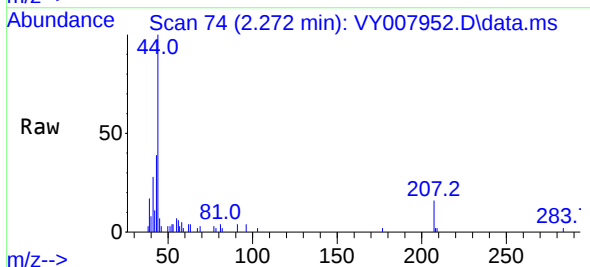
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

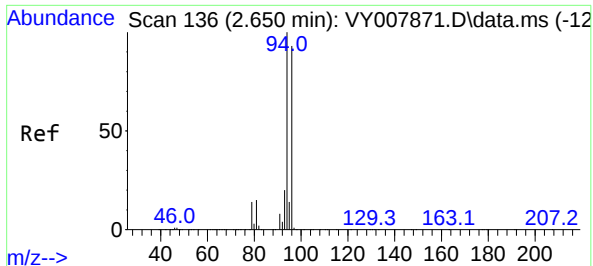
Tgt Ion: 50 Resp: 760
Ion Ratio Lower Upper
50 100
52 30.1 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.272 min Scan# 74
Delta R.T. 0.018 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 62 Resp: 218
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

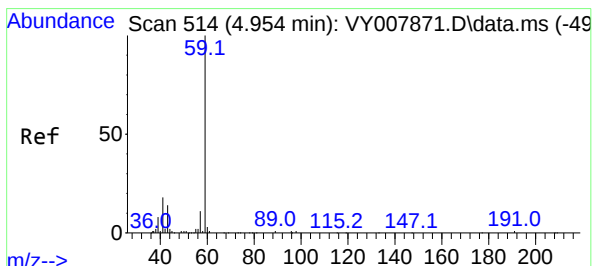
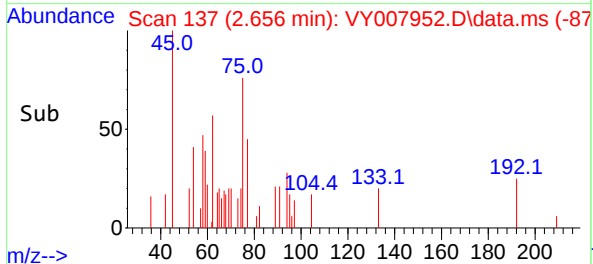
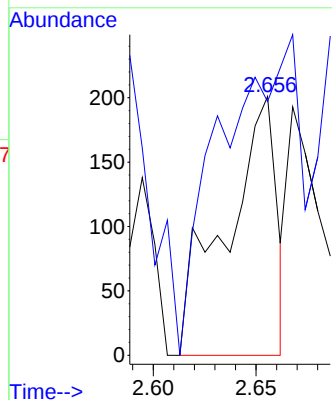
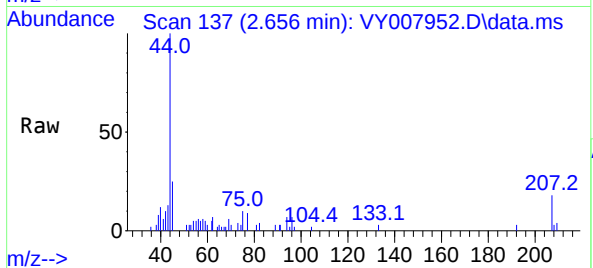




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

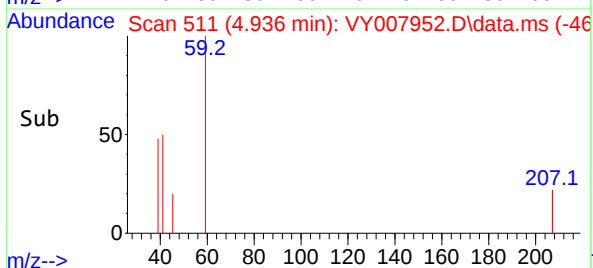
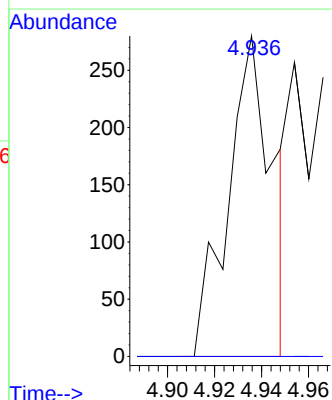
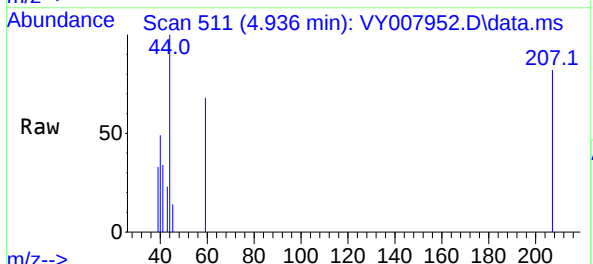
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

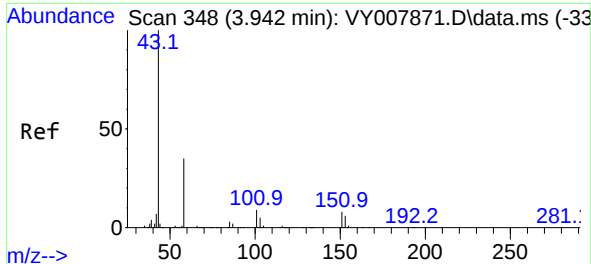
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 98.0 73.5 110.3



#11
Tert butyl alcohol
Concen: 1.102 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 17.069 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY007952.D

Acq: 21 Mar 2022 14:15

Instrument :

MSVOA_Y

ClientSampleId :

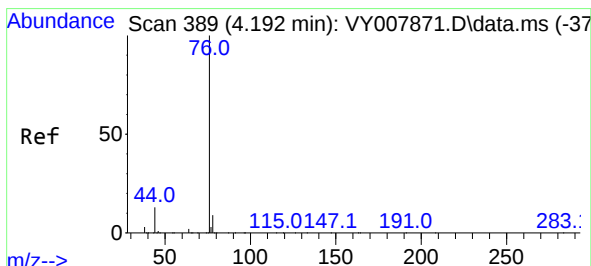
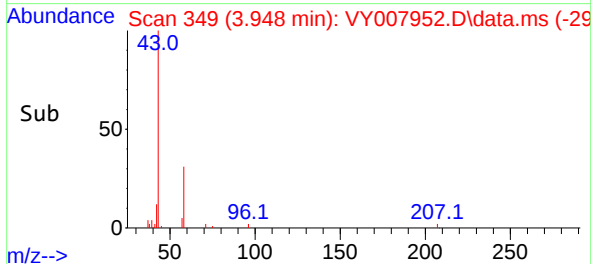
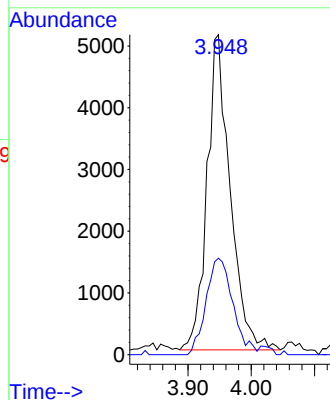
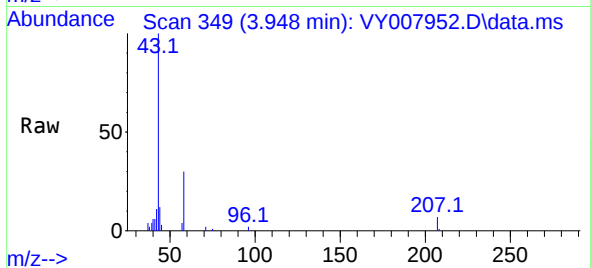
SB-10D

Tgt Ion: 43 Resp: 12985

Ion Ratio Lower Upper

43 100

58 30.6 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY007952.D

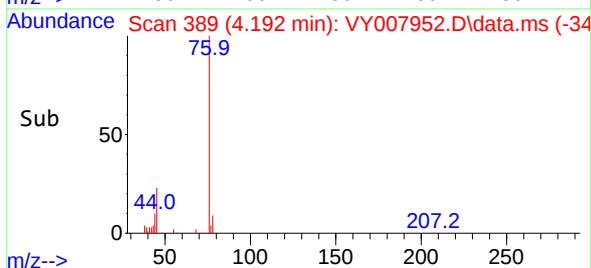
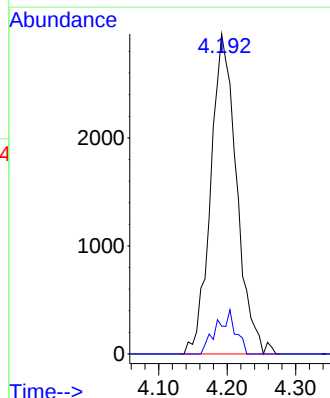
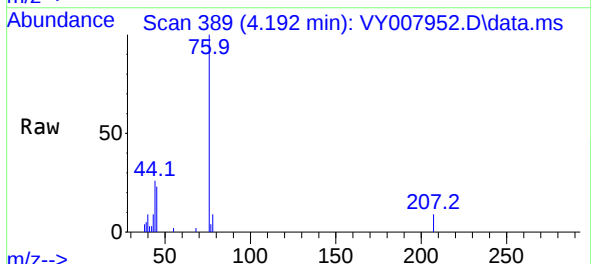
Acq: 21 Mar 2022 14:15

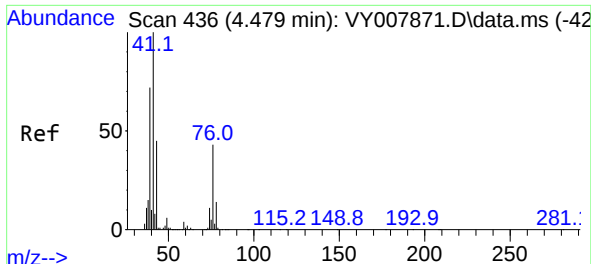
Tgt Ion: 76 Resp: 7786

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

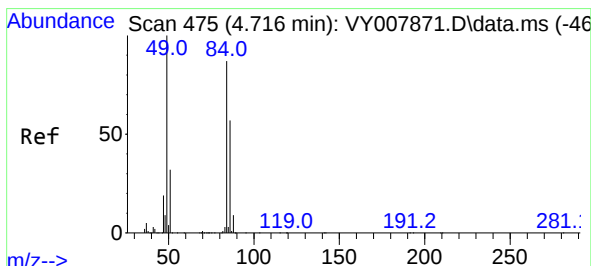
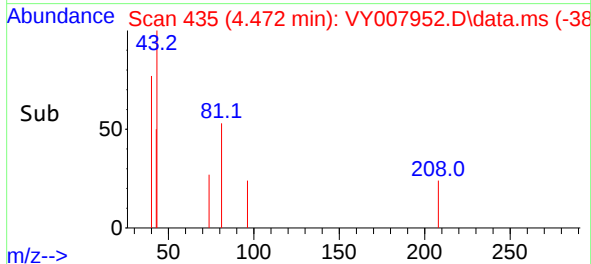
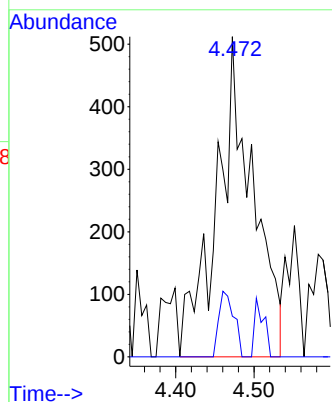
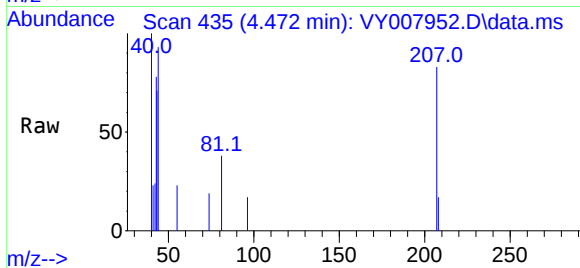




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

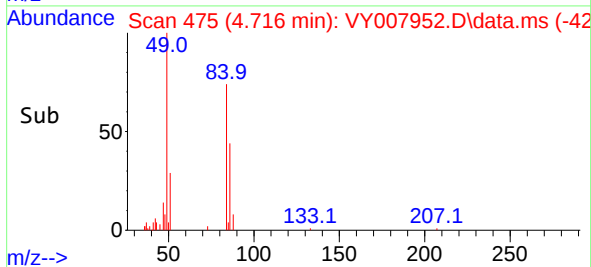
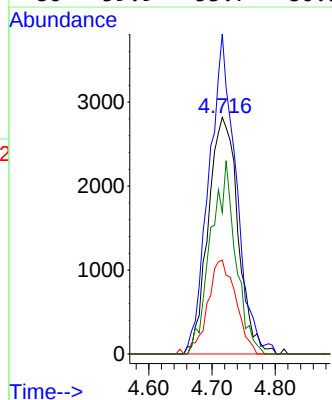
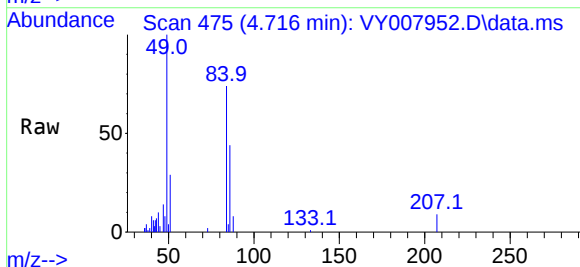
Instrument :
MSVOA_Y
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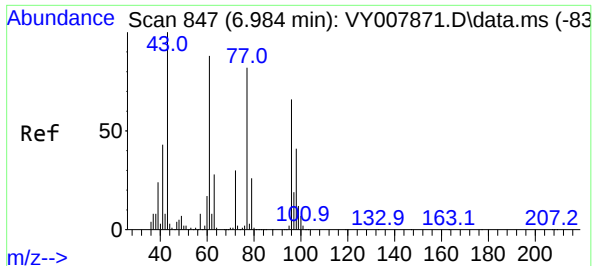
Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
74 8.5 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 84 Resp: 9191
Ion Ratio Lower Upper
84 100
49 135.2 114.4 171.6
51 39.7 35.3 52.9
86 59.9 53.7 80.5





#25

2-Butanone

Concen: 2.507 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY007952.D

Acq: 21 Mar 2022 14:15

Instrument :

MSVOA_Y

ClientSampleId :

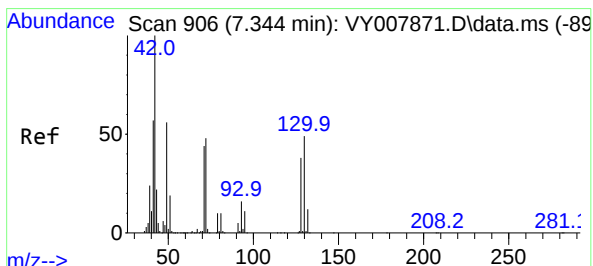
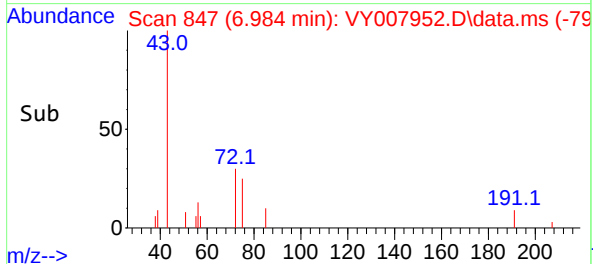
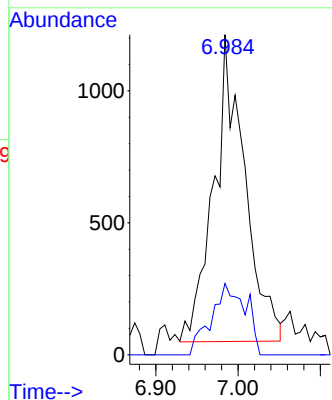
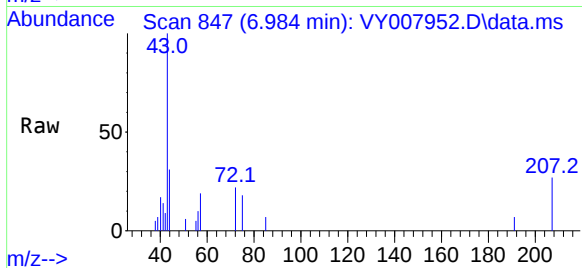
SB-10D

Tgt Ion: 43 Resp: 3055

Ion Ratio Lower Upper

43 100

72 23.3 17.7 26.5



#29

Tetrahydrofuran

Concen: 1.692 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY007952.D

Acq: 21 Mar 2022 14:15

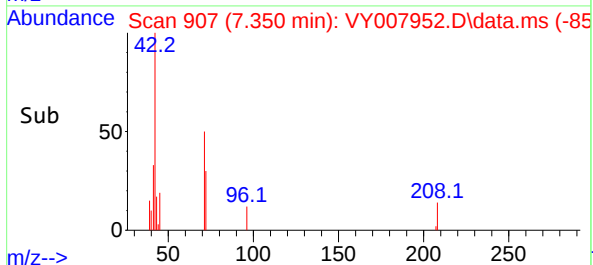
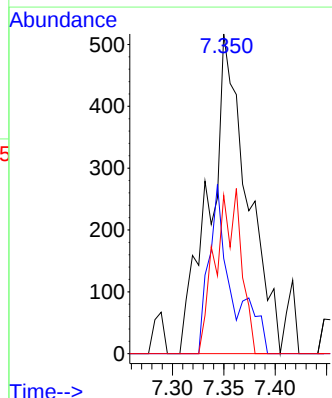
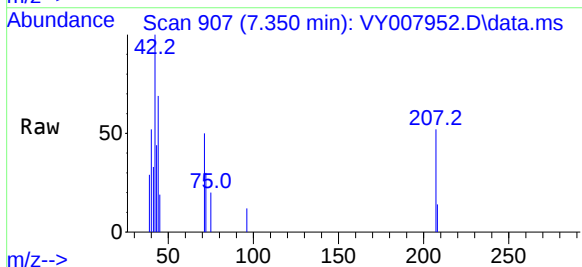
Tgt Ion: 42 Resp: 1321

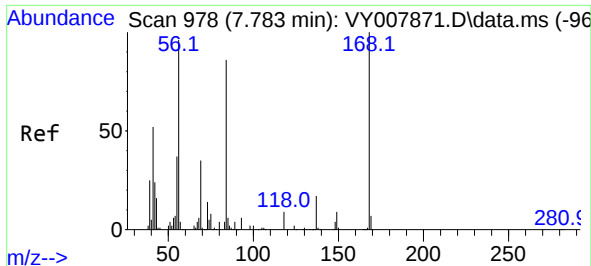
Ion Ratio Lower Upper

42 100

72 24.3 30.3 45.5#

71 34.8 29.0 43.4

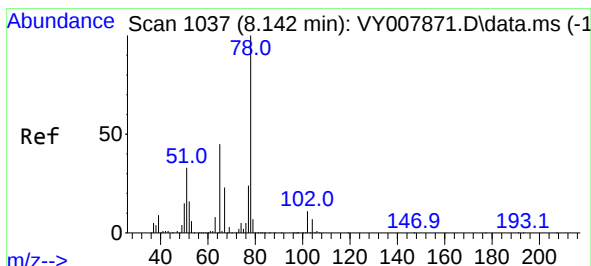
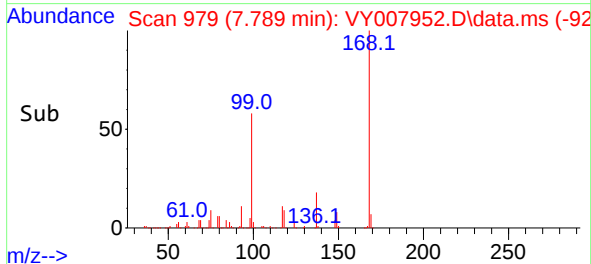
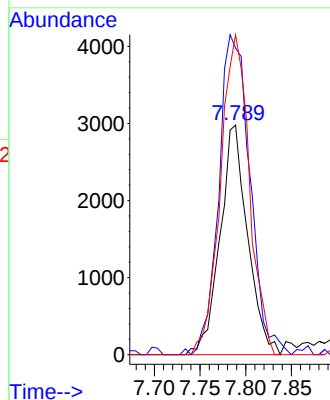
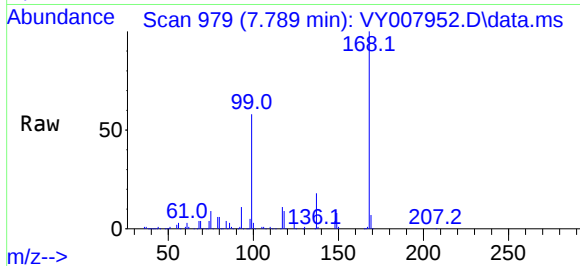




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

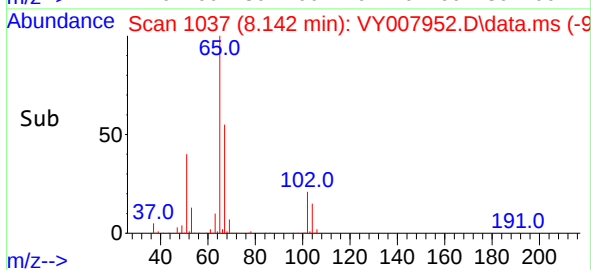
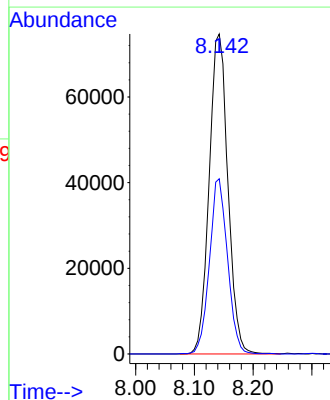
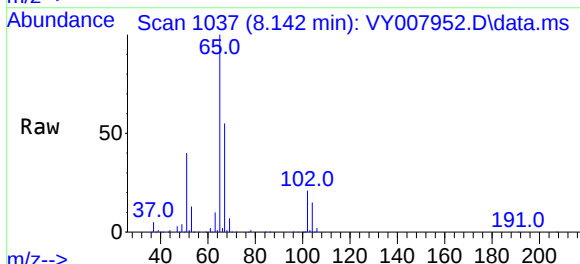
Instrument :
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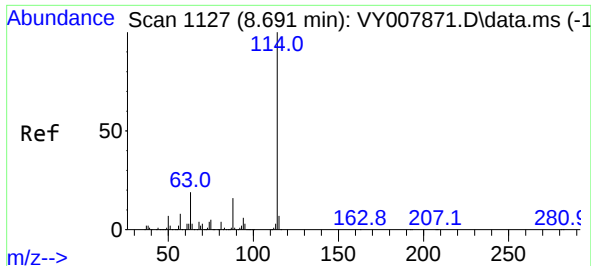
Tgt Ion: 56 Resp: 6262
Ion Ratio Lower Upper
56 100
69 133.5 26.7 40.1#
84 144.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.630 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 65 Resp: 165257
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4

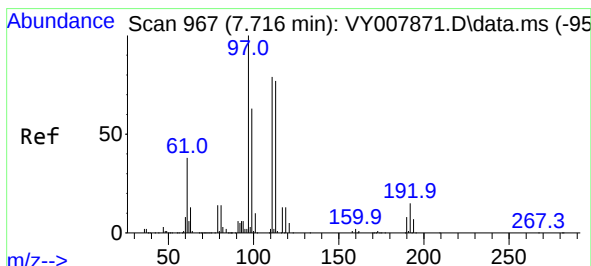
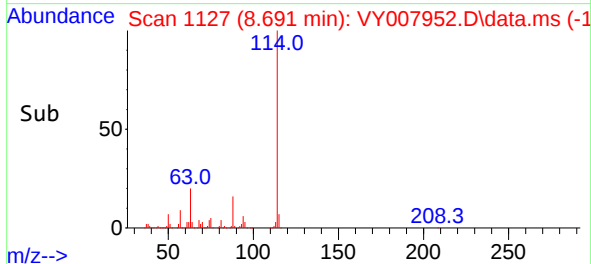
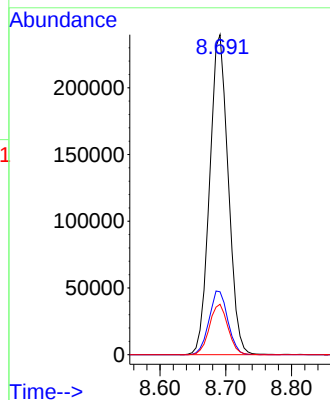
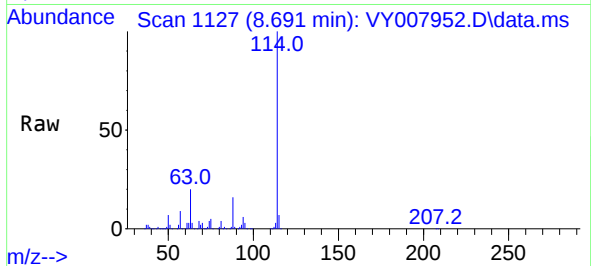




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

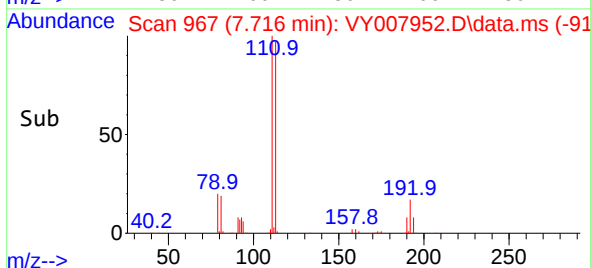
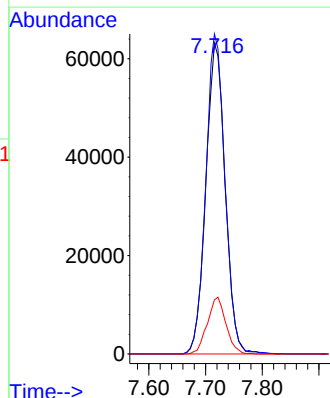
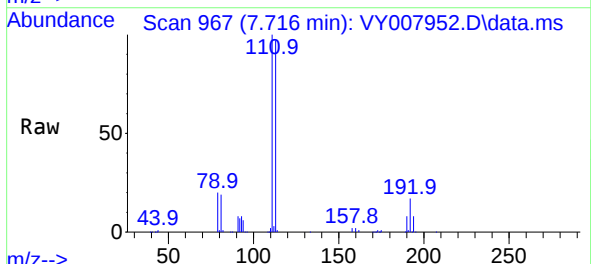
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

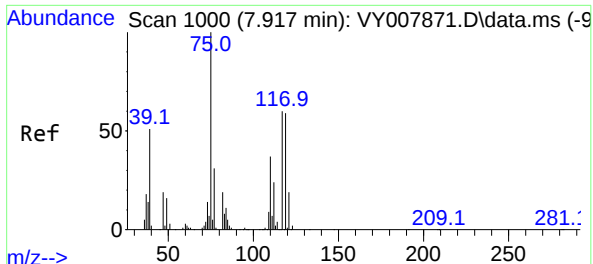
Tgt Ion:114 Resp: 470437
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.2
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.174 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion:113 Resp: 149248
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 17.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.508 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007952.D

Acq: 21 Mar 2022 14:15

Instrument :

MSVOA_Y

ClientSampleId :

SB-10D

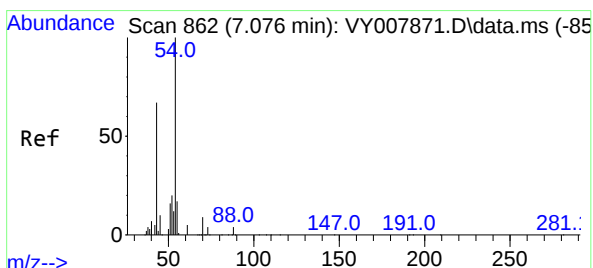
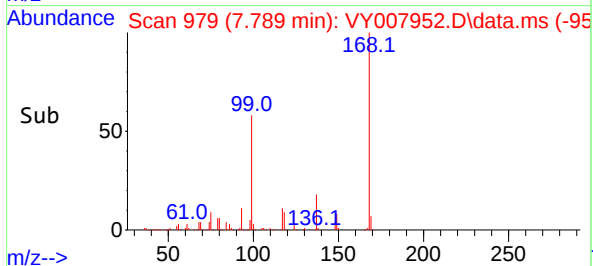
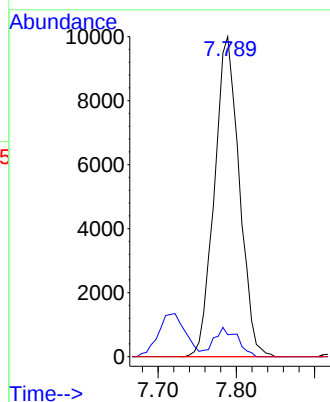
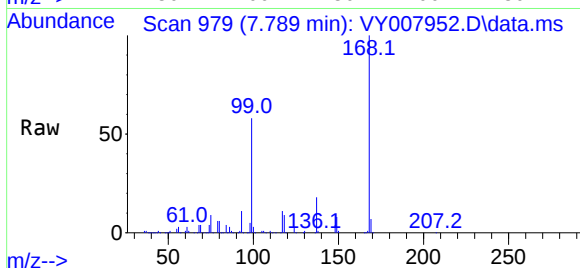
Tgt Ion: 75 Resp: 22091

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.022 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY007952.D

Acq: 21 Mar 2022 14:15

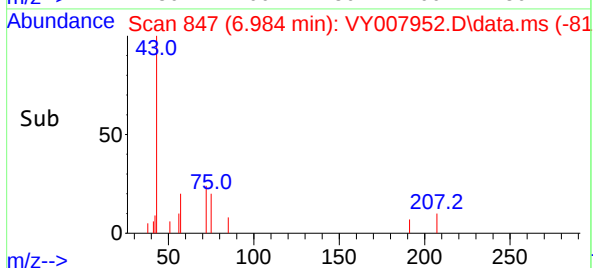
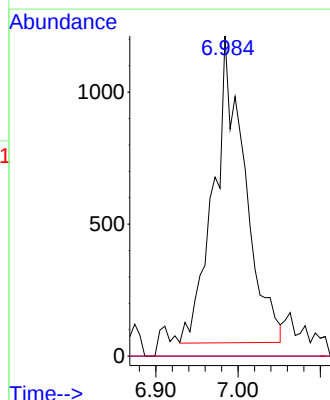
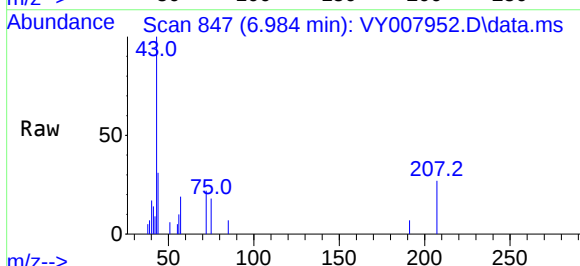
Tgt Ion: 43 Resp: 3055

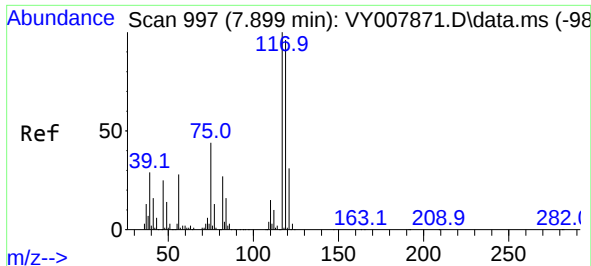
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#

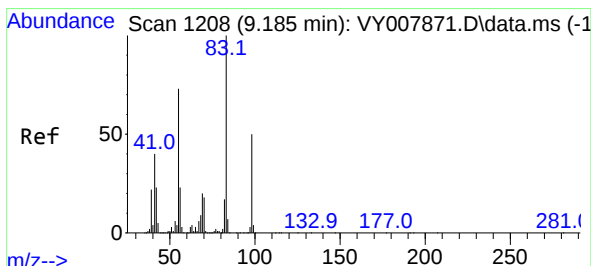
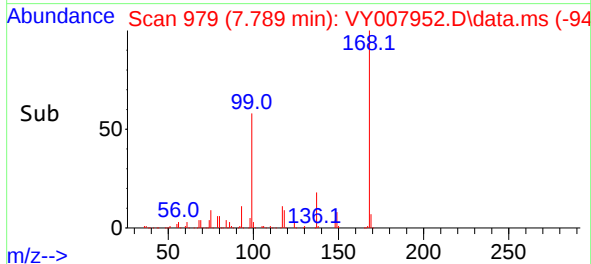
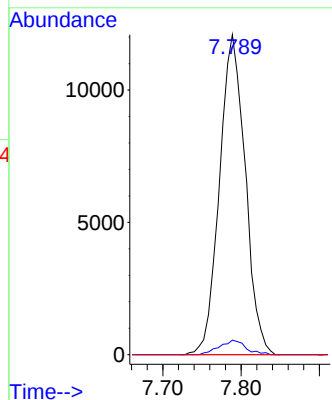
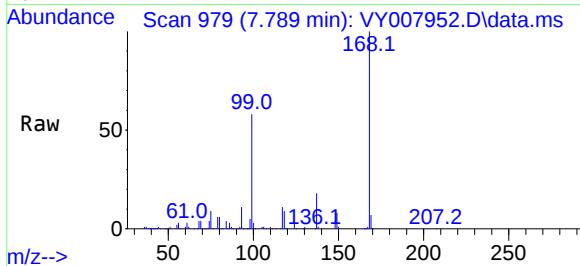




#38
Carbon Tetrachloride
Concen: 5.275 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

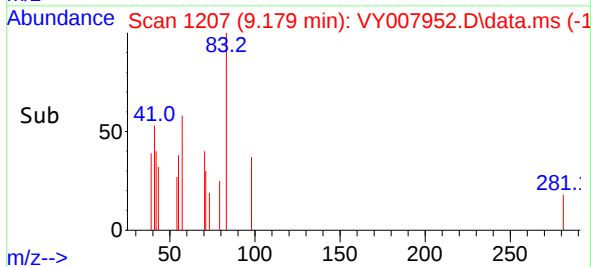
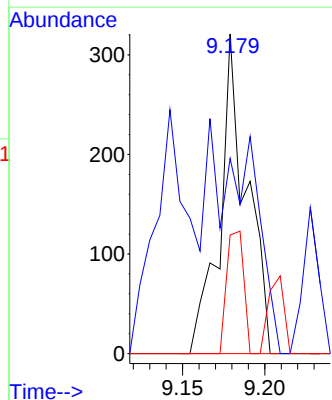
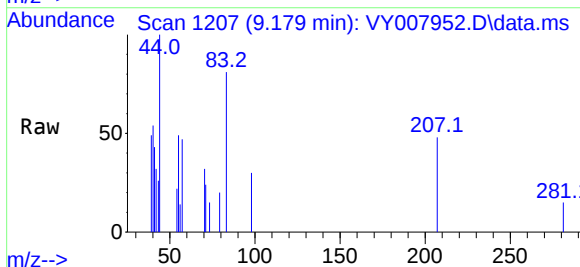
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

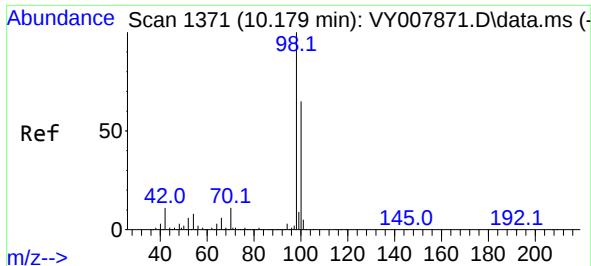
Tgt Ion:117 Resp: 27621
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 83 Resp: 361
Ion Ratio Lower Upper
83 100
55 61.1 66.5 99.7#
98 37.1 37.9 56.9#

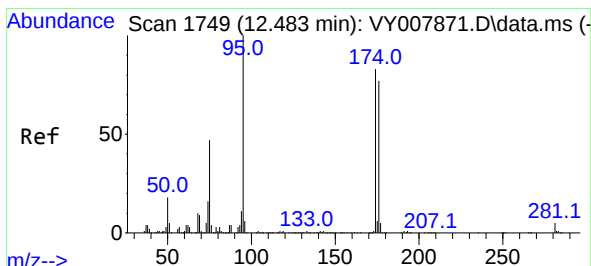
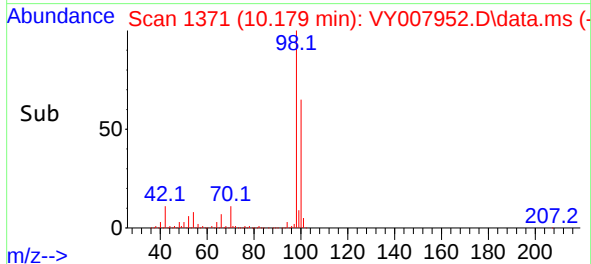
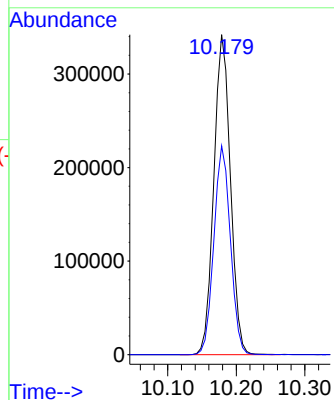
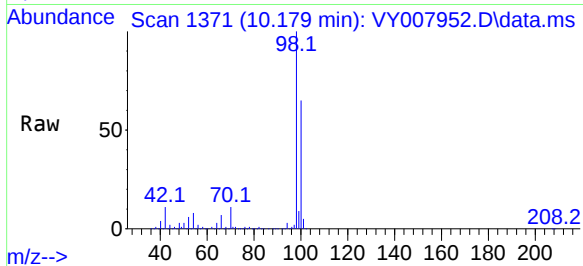




#50
Toluene-d8
Concen: 58.413 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

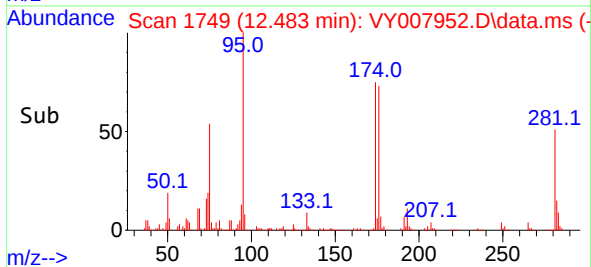
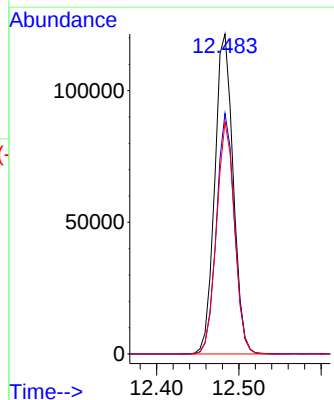
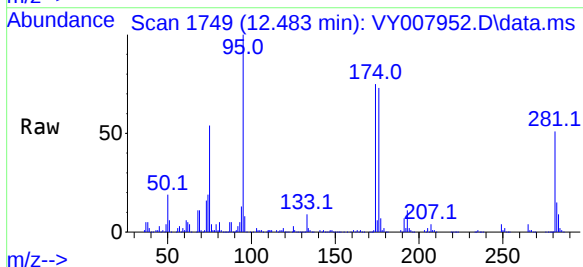
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

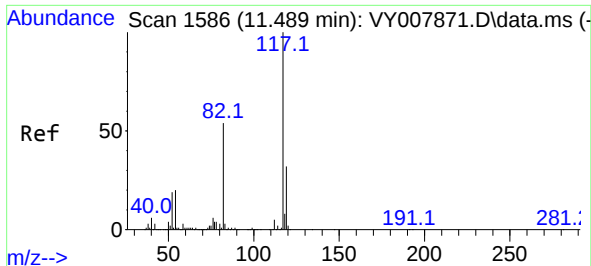
Tgt Ion: 98 Resp: 572863
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.921 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 95 Resp: 189291
Ion Ratio Lower Upper
95 100
174 73.5 0.0 177.0
176 70.8 0.0 175.8

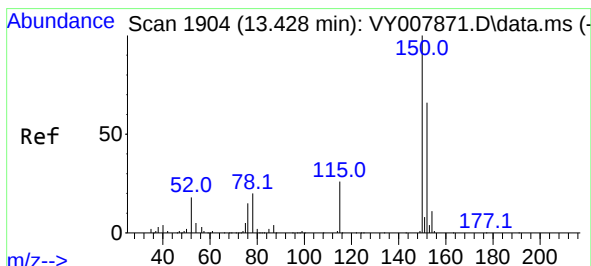
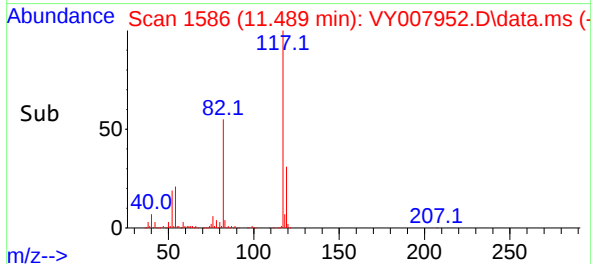
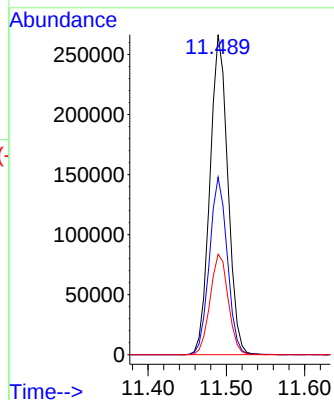
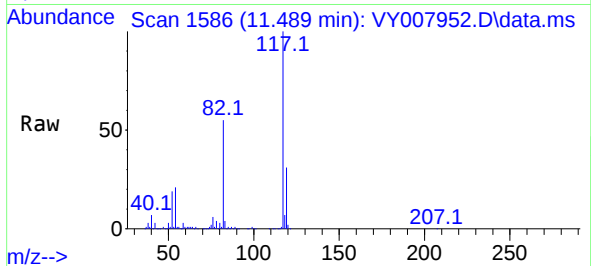




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

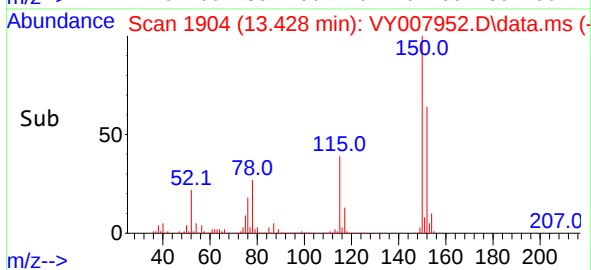
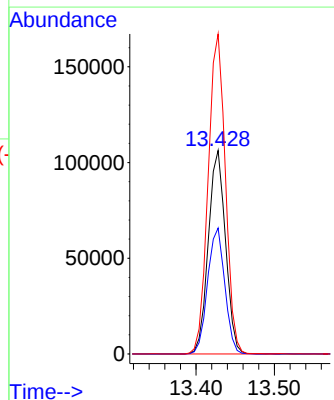
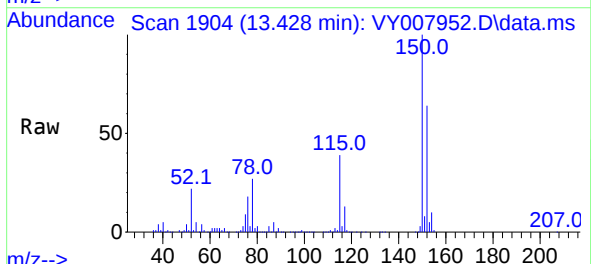
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

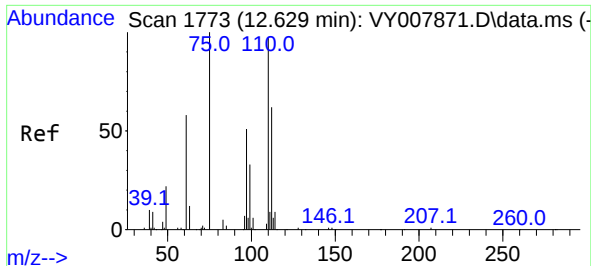
Tgt Ion:117 Resp: 422302
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion:152 Resp: 161770
Ion Ratio Lower Upper
152 100
115 61.8 28.2 84.7
150 157.7 0.0 347.6

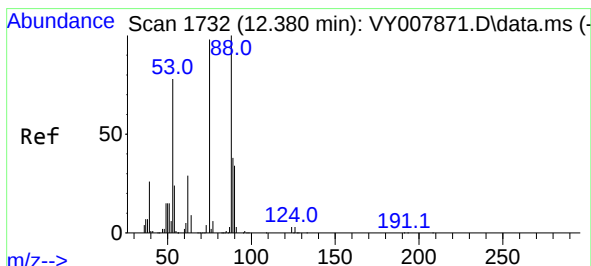
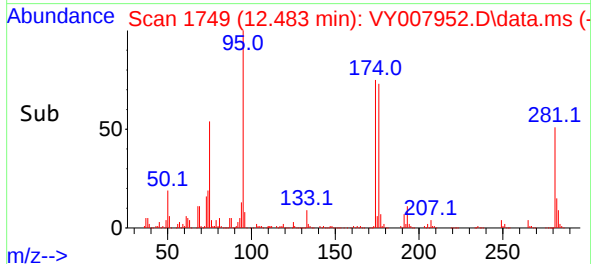
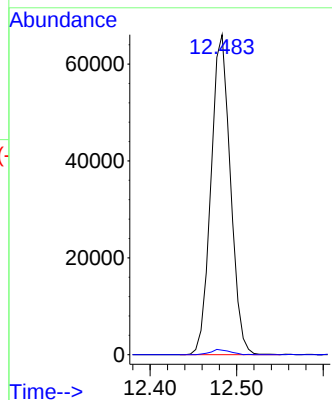
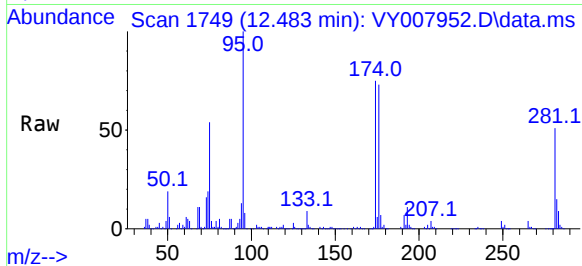




#76
1,2,3-Trichloropropane
Concen: 44.643 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

Tgt Ion: 75 Resp: 102936
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.768 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007952.D
Acq: 21 Mar 2022 14:15

Tgt Ion: 75 Resp: 102936
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.2 37.0 55.4#

