

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008418.D
 Acq On : 20 Apr 2022 15:08
 Operator : KP/MD
 Sample : N2451-04
 Misc : 7.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3145

Quant Time: Apr 21 02:39:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

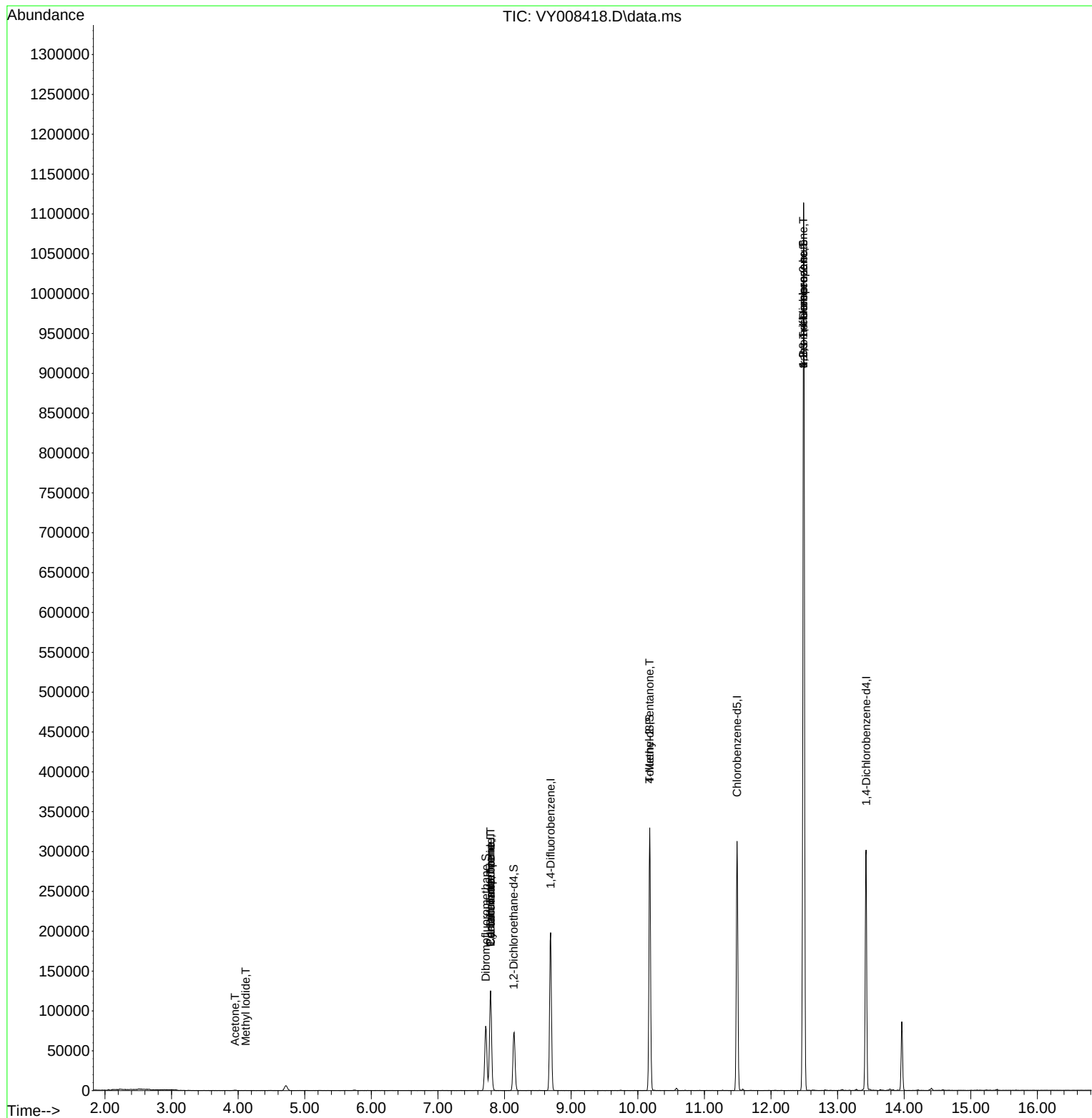
Internal Standards						
1) Pentafluorobenzene	7.789	168	96180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	175439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	172101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	56361	62.385	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.760%	
35) Dibromofluoromethane	7.716	113	55665	54.934	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.860%	
50) Toluene-d8	10.179	98	215091	62.034	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 124.060%	
62) 4-Bromofluorobenzene	12.483	95	80492	61.720	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 123.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	138	Below Cal	#	44
5) Bromomethane	2.668	94	268	Below Cal	#	71
10) Methyl Iodide	4.113	142	45	2.428	ug/l #	35
16) Acetone	3.954	43	866	3.985	ug/l #	75
18) Methyl Acetate	4.485	43	413	Below Cal	#	56
20) Methylene Chloride	4.716	84	5205	Below Cal	#	78
31) Cyclohexane	7.789	56	1941	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7593	4.693	ug/l #	52
38) Carbon Tetrachloride	7.789	117	9741	5.596	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	829	1.037	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	50252	58.810	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50252	131.584	ug/l #	10

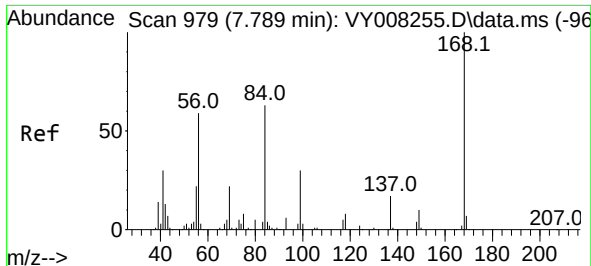
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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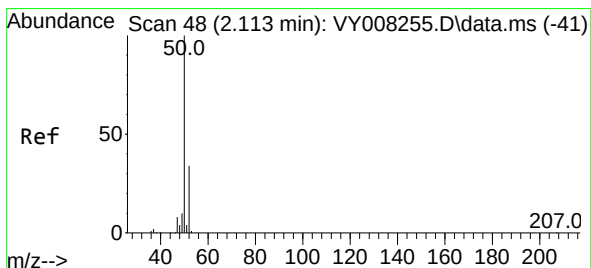
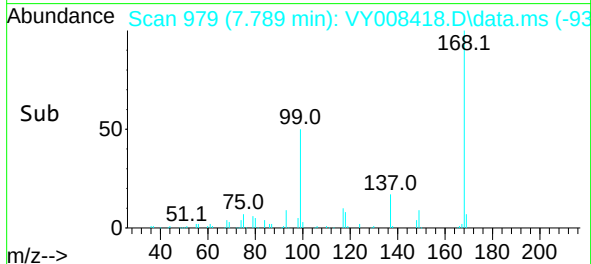
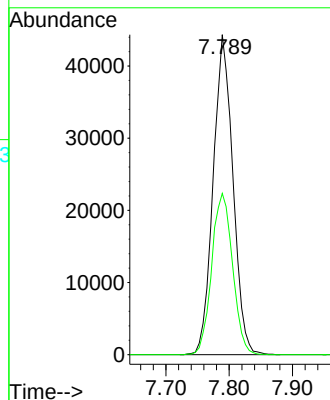
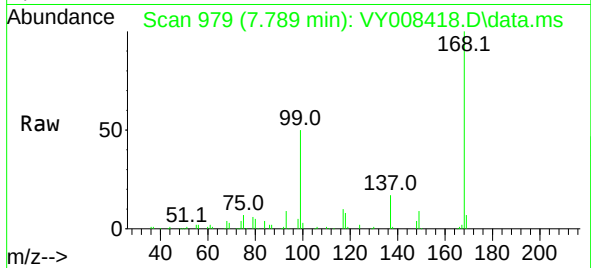




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

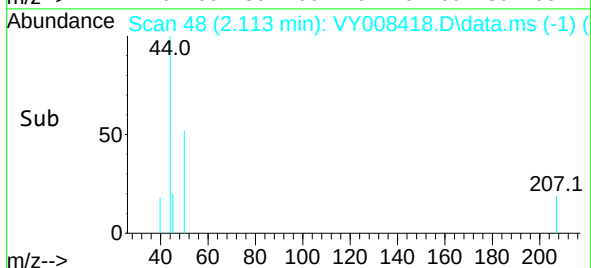
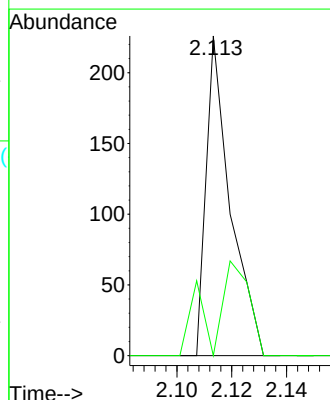
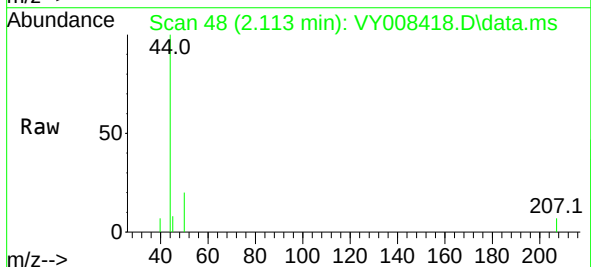
Instrument :
MSVOA_Y
ClientSampleId :
SB-3145

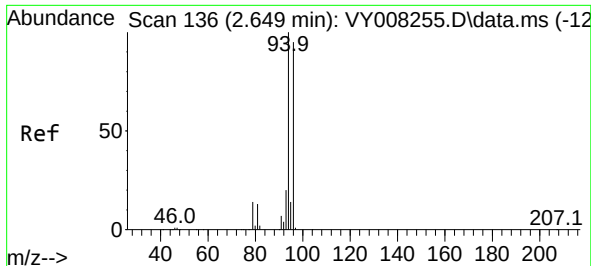
Tgt Ion:168 Resp: 96180
Ion Ratio Lower Upper
168 100
99 50.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion: 50 Resp: 138
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY008418.D

Acq: 20 Apr 2022 15:08

Instrument :

MSVOA_Y

ClientSampleId :

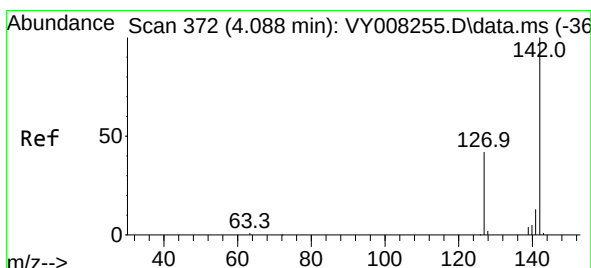
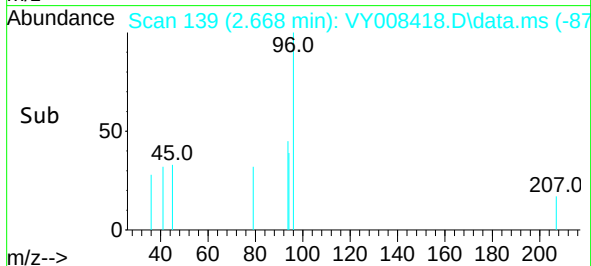
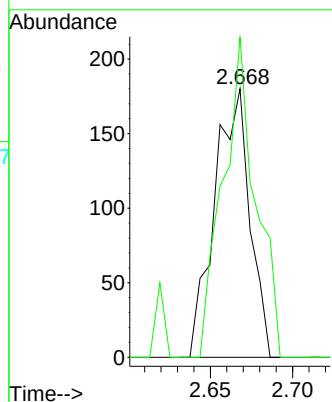
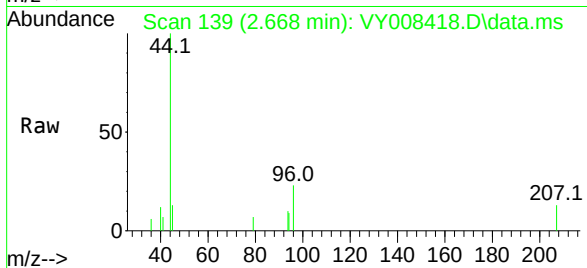
SB-3145

Tgt Ion: 94 Resp: 268

Ion Ratio Lower Upper

94 100

96 119.4 73.5 110.3#



#10

Methyl Iodide

Concen: 2.428 ug/l

RT: 4.113 min Scan# 376

Delta R.T. 0.025 min

Lab File: VY008418.D

Acq: 20 Apr 2022 15:08

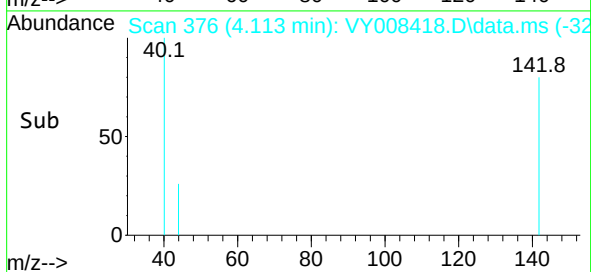
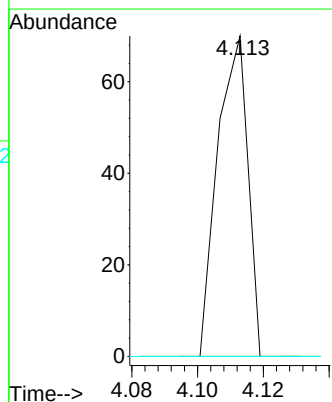
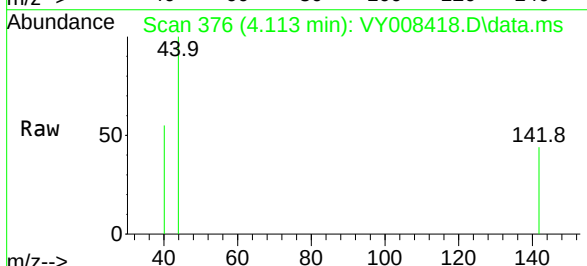
Tgt Ion: 142 Resp: 45

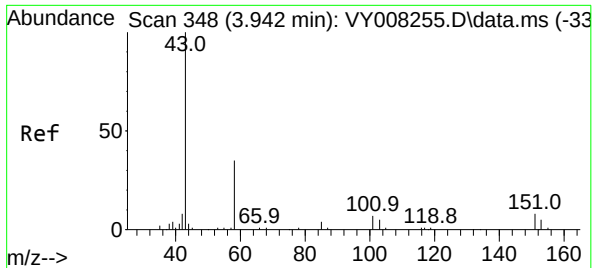
Ion Ratio Lower Upper

142 100

127 0.0 41.5 62.3#

141 0.0 11.9 17.9#

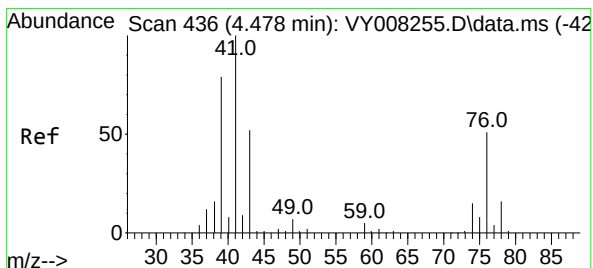
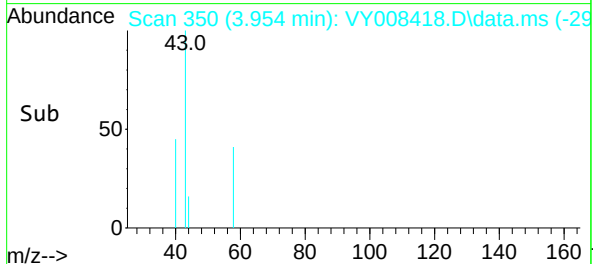
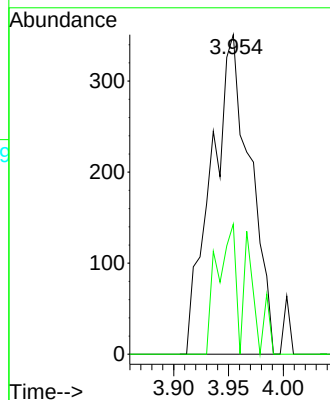
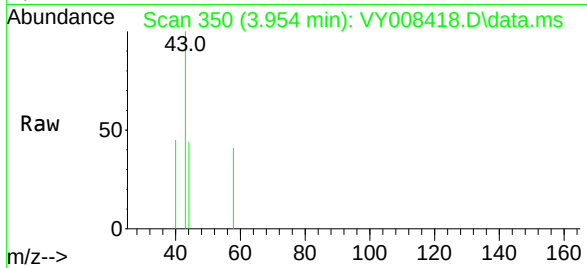




#16
Acetone
Concen: 3.985 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

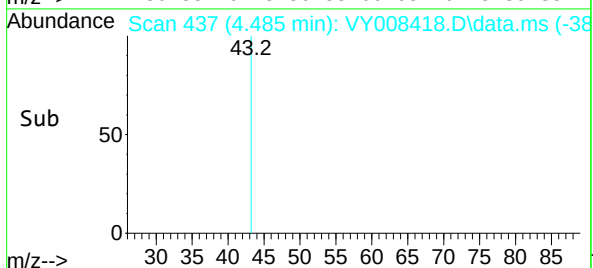
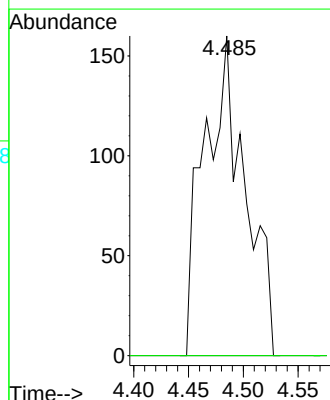
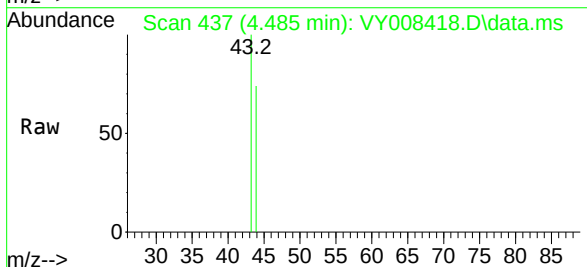
Instrument :
MSVOA_Y
ClientSampleId :
SB-3145

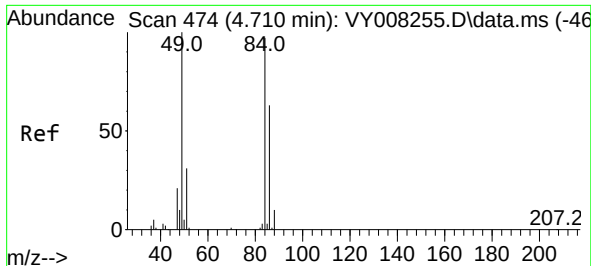
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 40.7 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.007 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

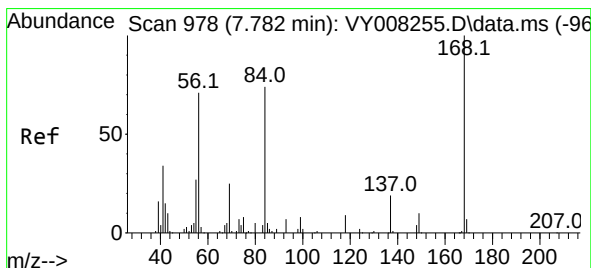
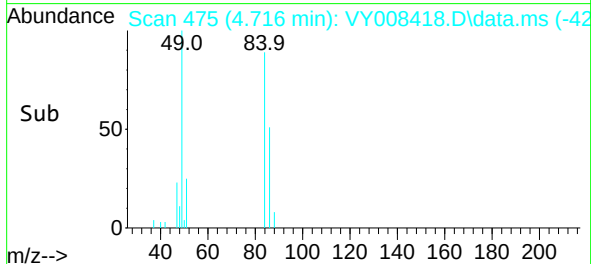
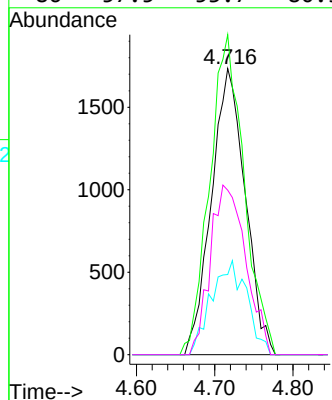
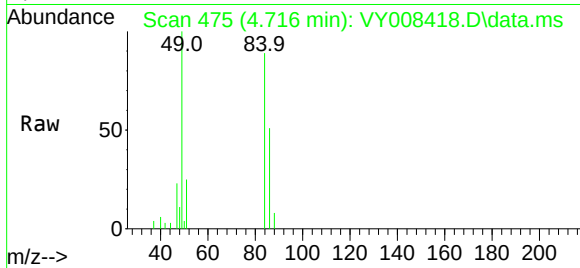




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

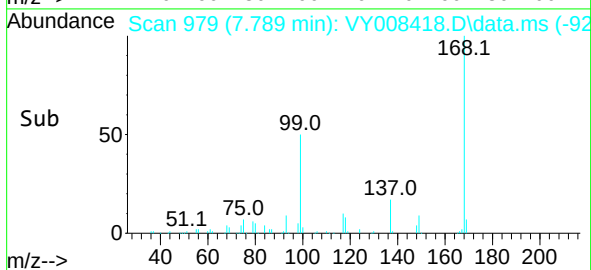
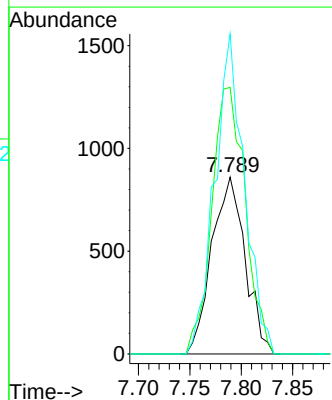
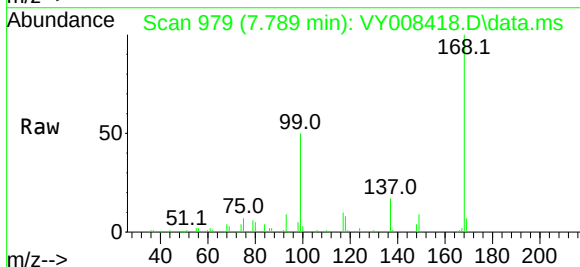
Instrument :
MSVOA_Y
ClientSampleId :
SB-3145

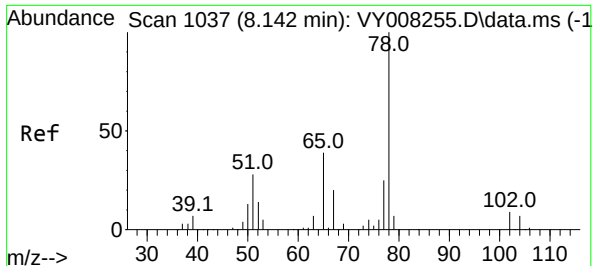
Tgt Ion: 84 Resp: 5205
Ion Ratio Lower Upper
84 100
49 111.9 114.4 171.6#
51 28.0 35.3 52.9#
86 57.5 53.7 80.5



#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.007 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion: 56 Resp: 1941
Ion Ratio Lower Upper
56 100
69 150.8 26.7 40.1#
84 181.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.385 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VY008418.D

Acq: 20 Apr 2022 15:08

Instrument :

MSVOA_Y

ClientSampleId :

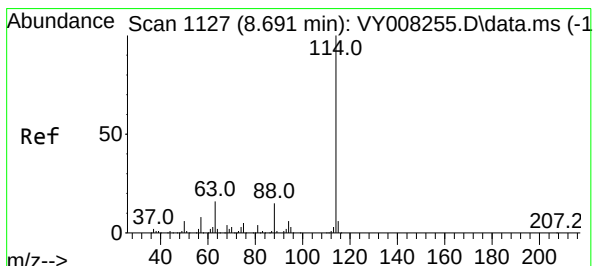
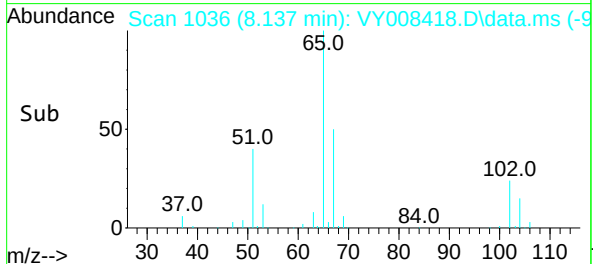
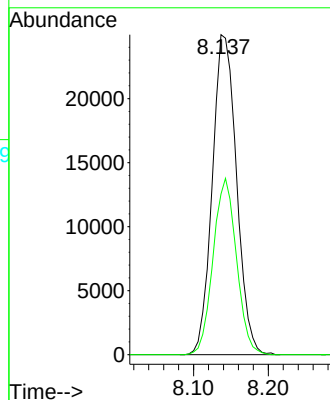
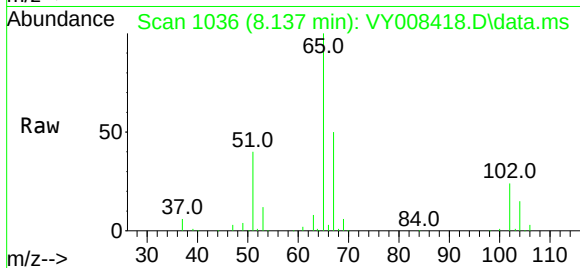
SB-3145

Tgt Ion: 65 Resp: 56361

Ion Ratio Lower Upper

65 100

67 53.1 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: VY008418.D

Acq: 20 Apr 2022 15:08

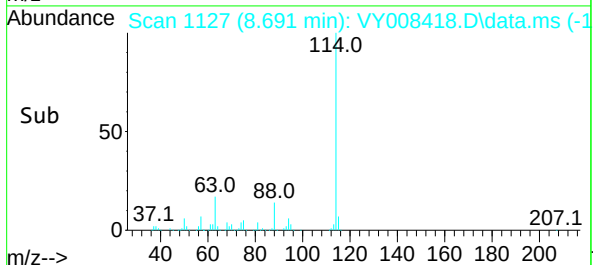
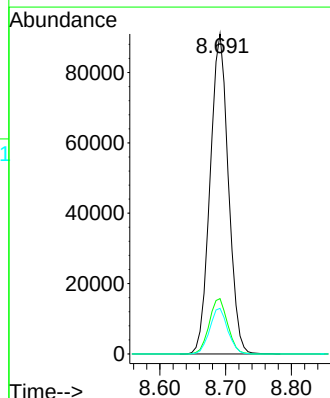
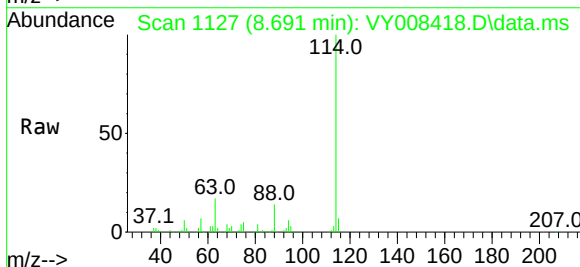
Tgt Ion: 114 Resp: 175439

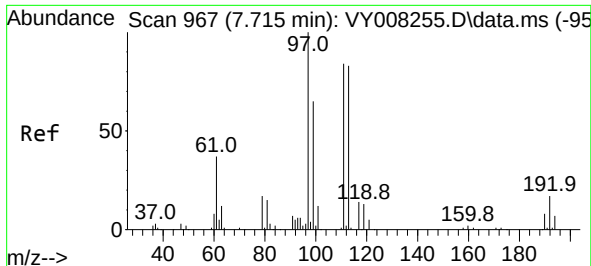
Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 14.2 0.0 31.8

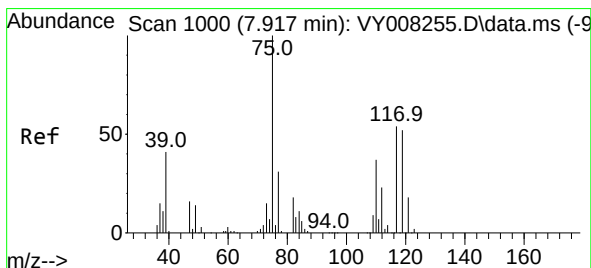
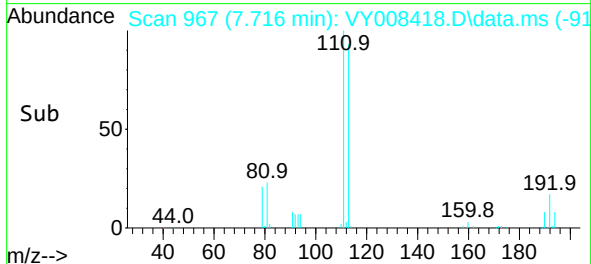
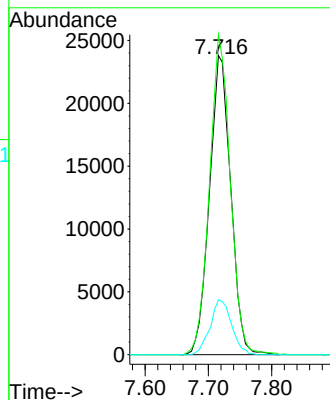
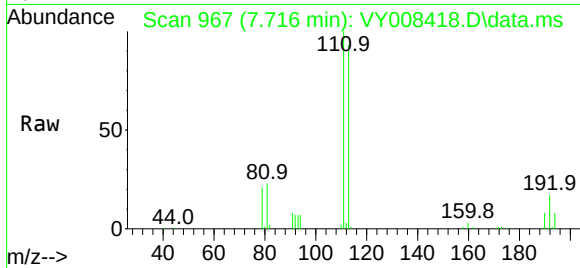




#35
Dibromofluoromethane
Concen: 54.934 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.001 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

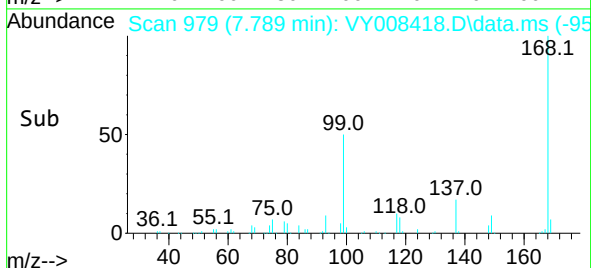
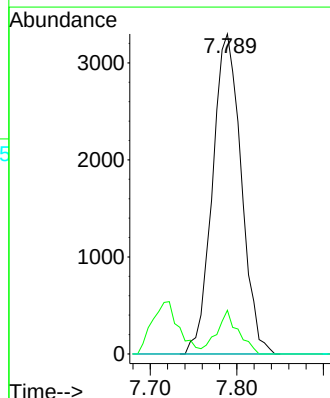
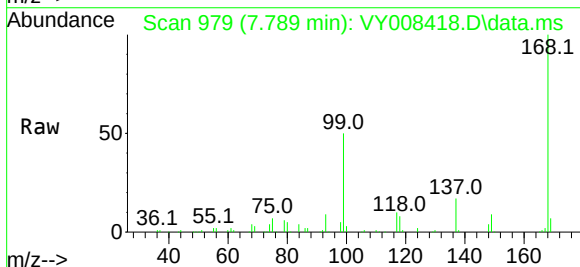
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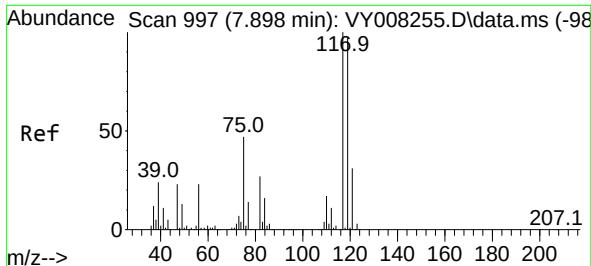
Tgt Ion:113 Resp: 55665
Ion Ratio Lower Upper
113 100
111 104.8 82.6 124.0
192 18.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion: 75 Resp: 7593
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#

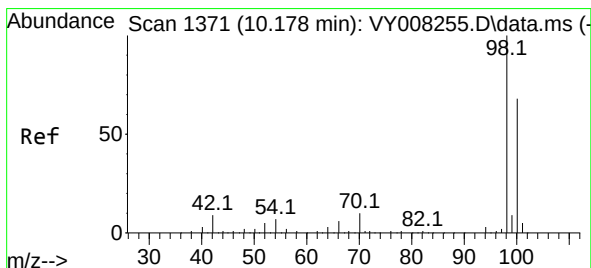
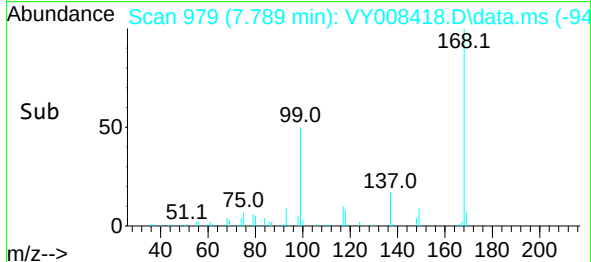
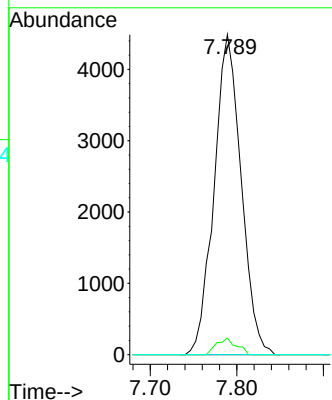
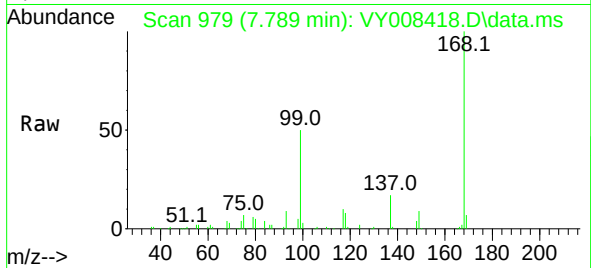




#38
Carbon Tetrachloride
Concen: 5.596 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

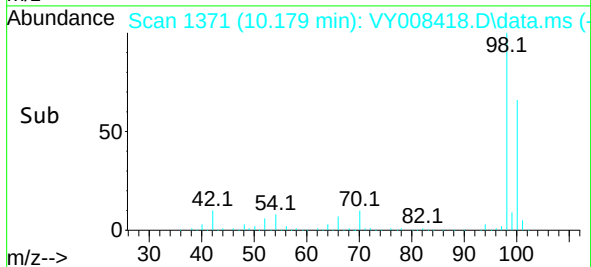
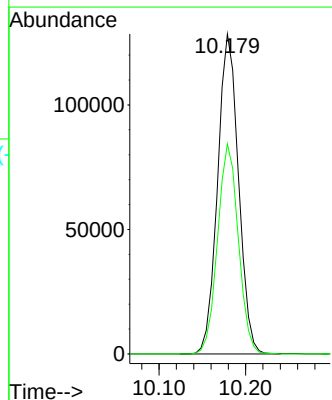
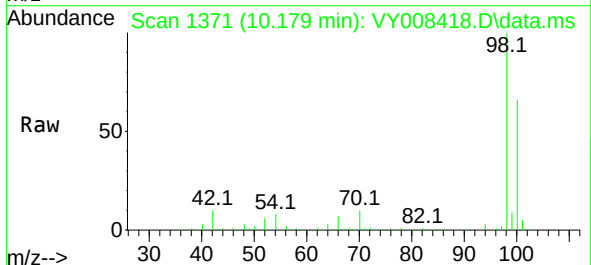
Instrument :
MSVOA_Y
ClientSampleId :
SB-3145

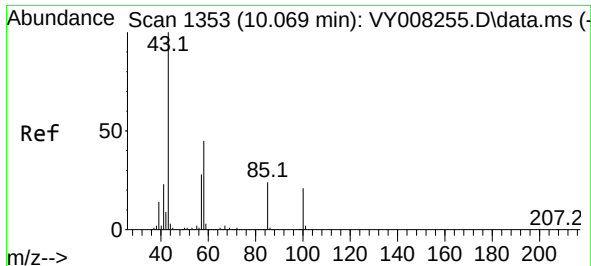
Tgt Ion:117 Resp: 9741
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 62.034 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion: 98 Resp: 215091
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

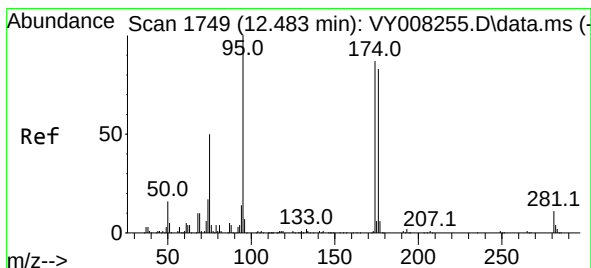
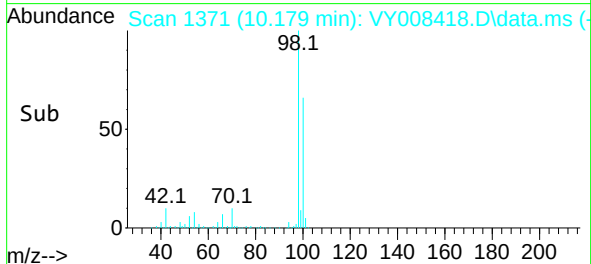
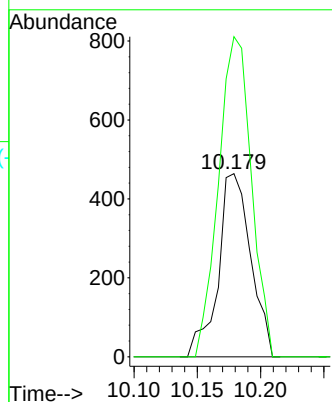
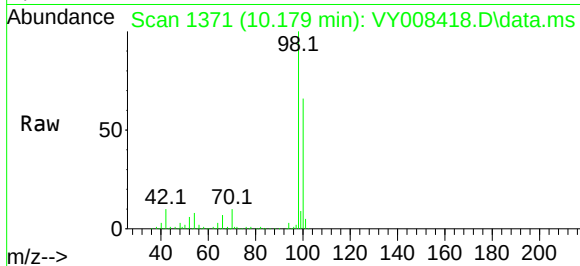




#51
4-Methyl-2-Pentanone
Concen: 1.037 ug/l
RT: 10.179 min Scan# 1353
Delta R.T. 0.110 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

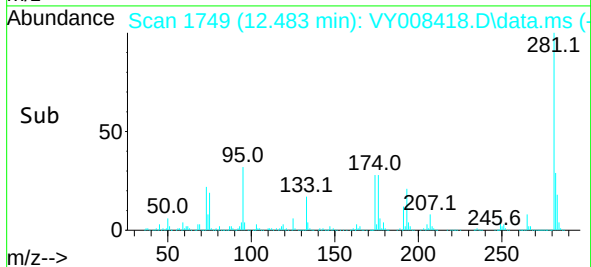
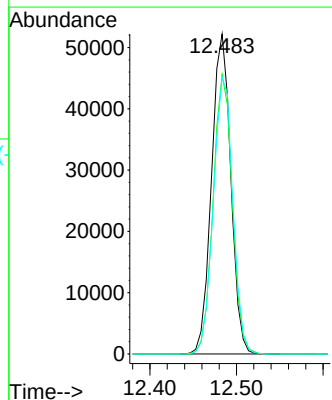
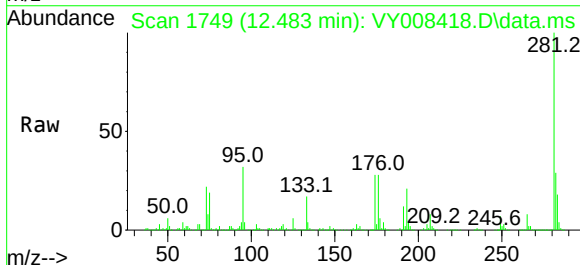
Instrument :
MSVOA_Y
ClientSampleId :
SB-3145

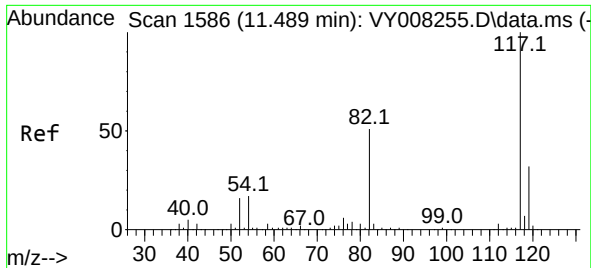
Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
58 176.7 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 61.720 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion: 95 Resp: 80492
Ion Ratio Lower Upper
95 100
174 87.0 0.0 177.0
176 87.8 0.0 175.8

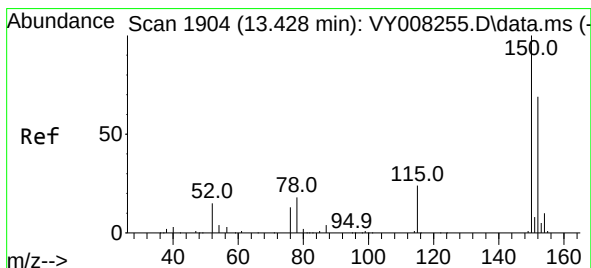
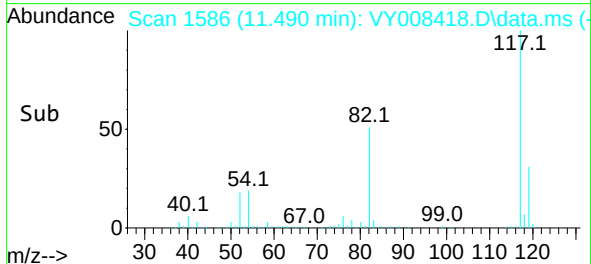
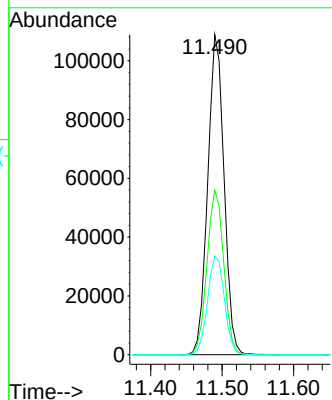
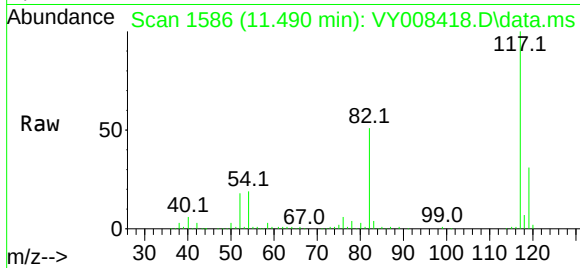




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

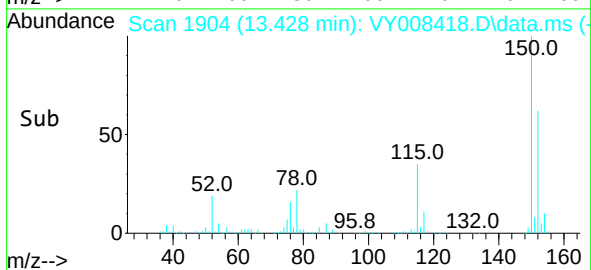
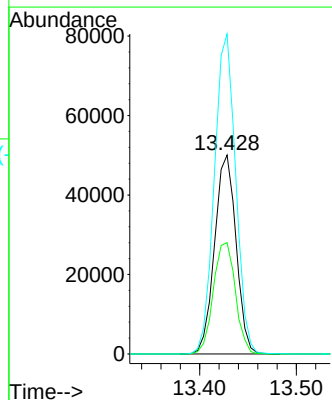
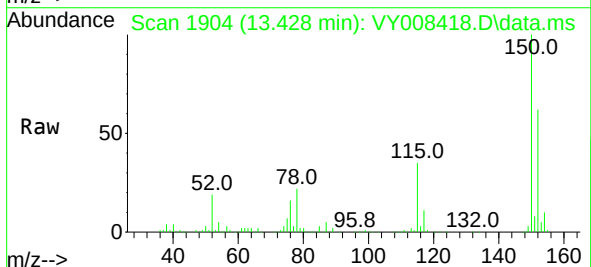
Instrument :
MSVOA_Y
ClientSampleId :
SB-3145

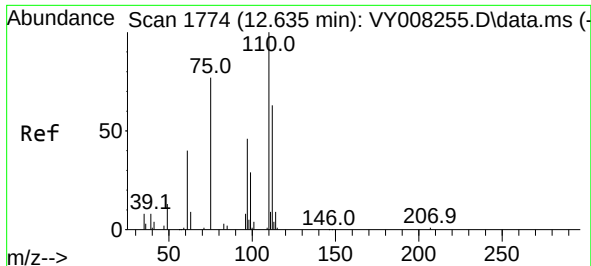
Tgt Ion:117 Resp: 172101
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.4
119 30.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion:152 Resp: 77261
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 159.3 0.0 347.6

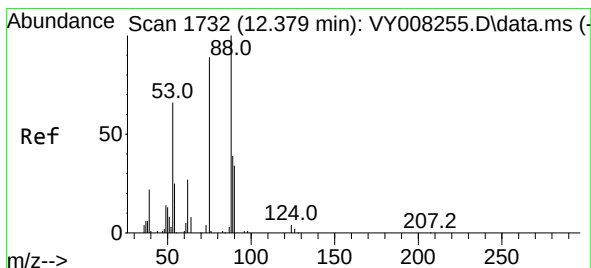
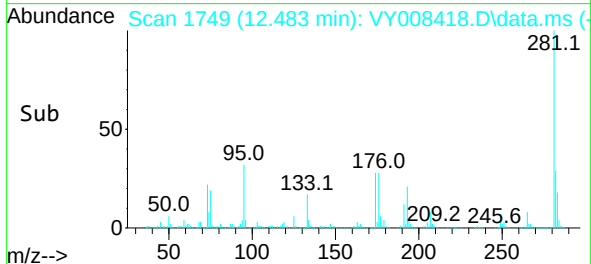
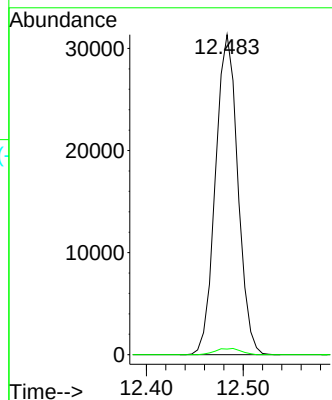
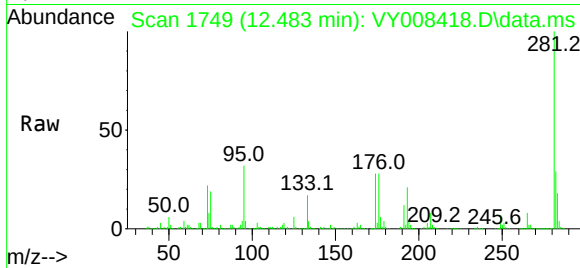




#76
1,2,3-Trichloropropane
Concen: 58.810 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-3145

Tgt Ion: 75 Resp: 50252
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.584 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008418.D
Acq: 20 Apr 2022 15:08

Tgt Ion: 75 Resp: 50252
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 5.7 37.0 55.4#

