

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008419.D
 Acq On : 20 Apr 2022 15:31
 Operator : KP/MD
 Sample : N2451-05
 Misc : 7.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10145

Quant Time: Apr 21 02:39:30 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)

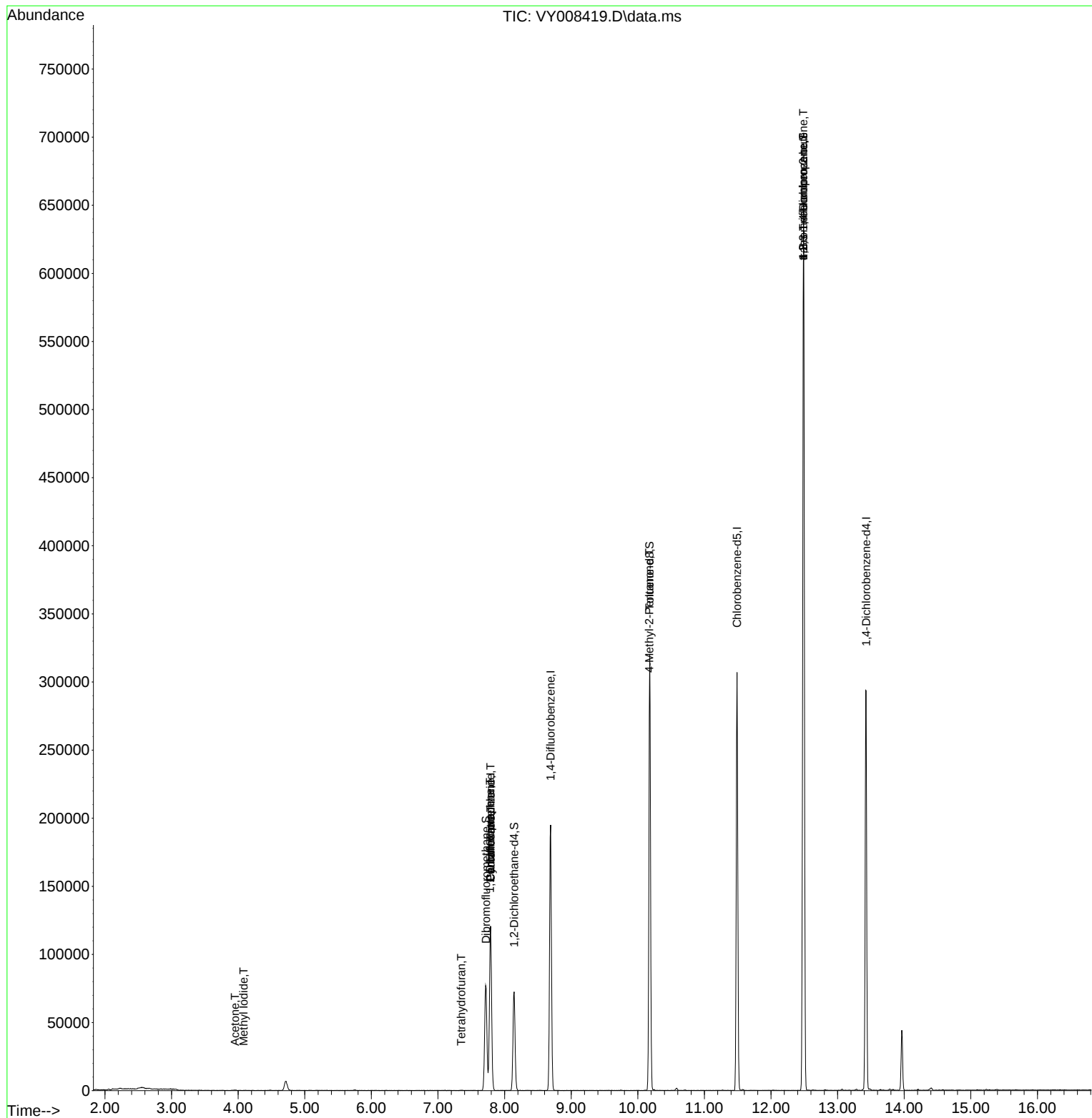
Internal Standards						
1) Pentafluorobenzene	7.789	168	92709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	168883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	54921	63.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.140%			
35) Dibromofluoromethane	7.722	113	55262	55.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.800%			
50) Toluene-d8	10.179	98	212061	62.128	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 124.260%			
62) 4-Bromofluorobenzene	12.483	95	76293	59.426	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.860%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	162	Below Cal		93
5) Bromomethane	2.662	94	281	Below Cal		98
10) Methyl Iodide	4.082	142	66	2.447 ug/l #		35
16) Acetone	3.954	43	442	2.110 ug/l #		75
18) Methyl Acetate	4.472	43	408	Below Cal #		69
20) Methylene Chloride	4.722	84	5516	Below Cal #		76
29) Tetrahydrofuran	7.350	42	266	1.258 ug/l #		46
31) Cyclohexane	7.789	56	1938	1.231 ug/l #		1
36) 1,1-Dichloropropene	7.783	75	7079	4.444 ug/l #		50
38) Carbon Tetrachloride	7.789	117	9050	5.281 ug/l #		15
51) 4-Methyl-2-Pentanone	10.173	43	877	1.114 ug/l #		1
76) 1,2,3-Trichloropropane	12.483	75	44818	53.698 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	44818	120.147 ug/l #		9

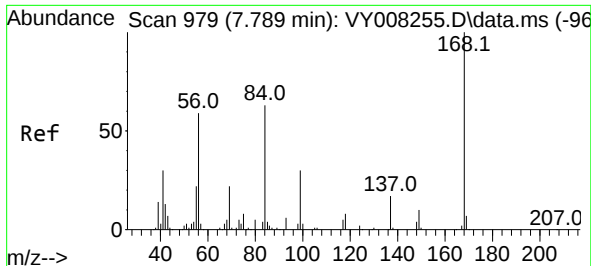
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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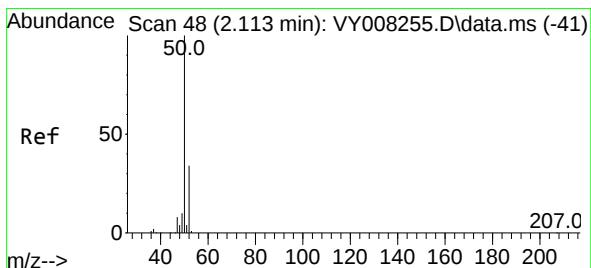
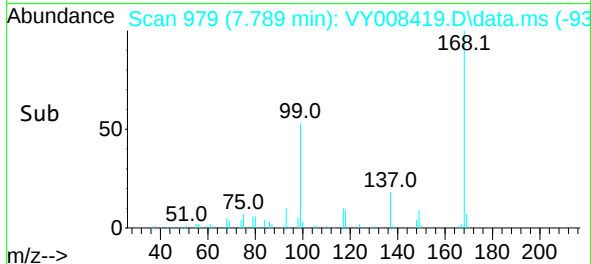
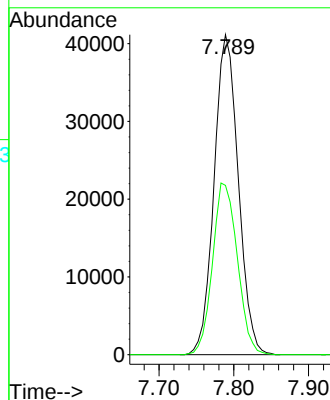
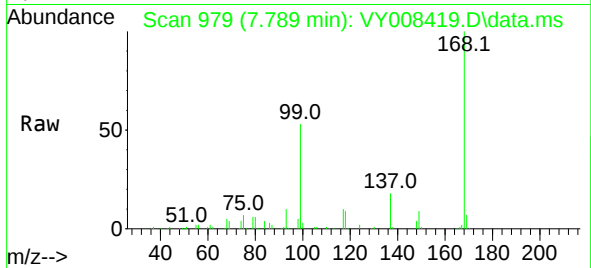




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

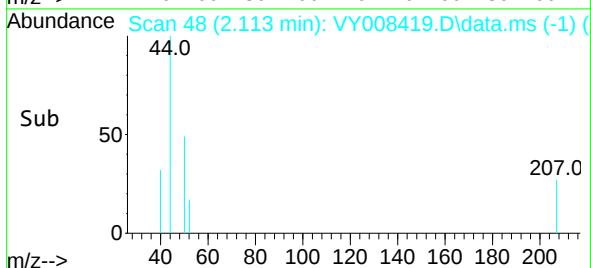
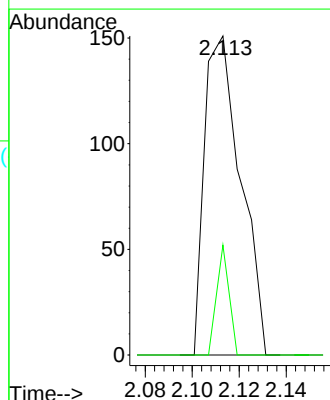
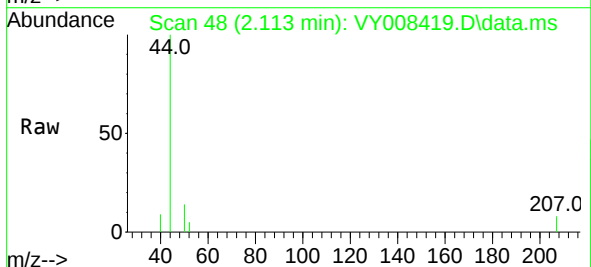
Instrument :
MSVOA_Y
ClientSampleId :
SB-10145

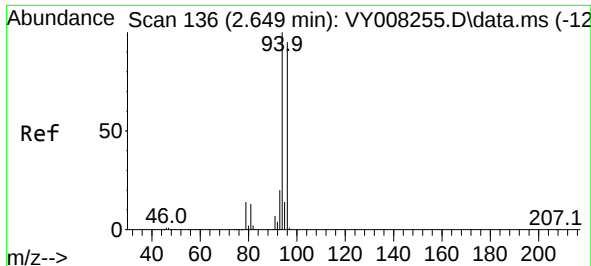
Tgt Ion:168 Resp: 92709
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

Tgt Ion: 50 Resp: 162
Ion Ratio Lower Upper
50 100
52 34.4 24.6 37.0

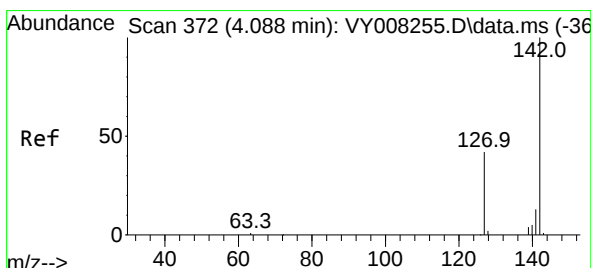
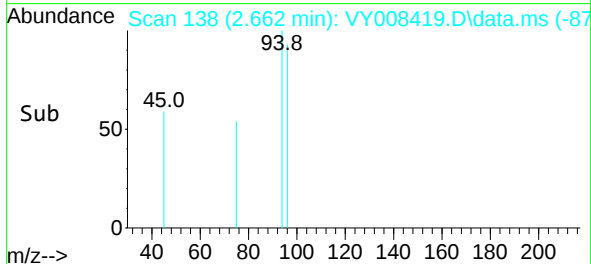
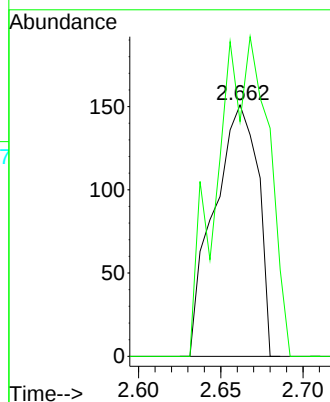
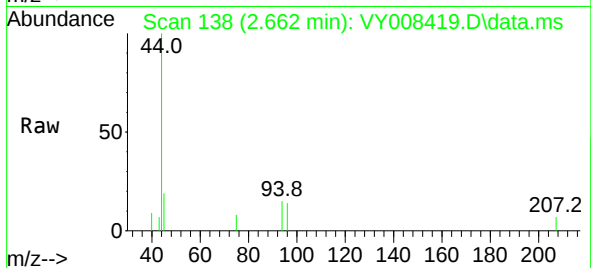




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

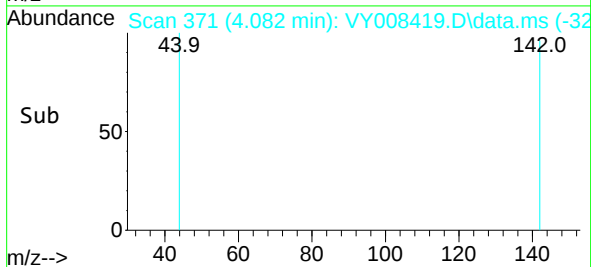
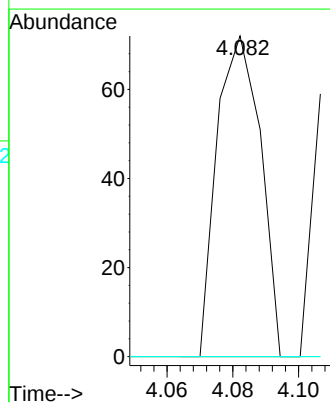
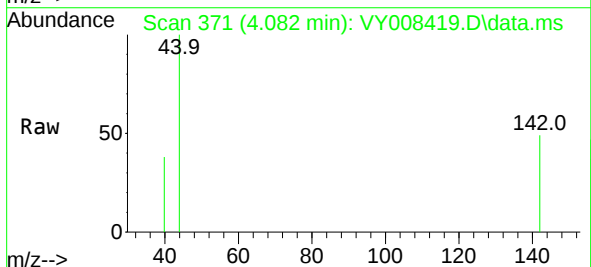
Instrument :
MSVOA_Y
ClientSampleId :
SB-10145

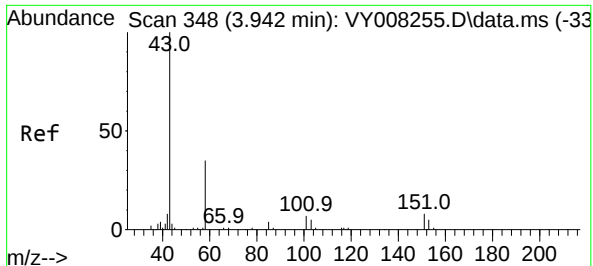
Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 93.4 73.5 110.3



#10
Methyl Iodide
Concen: 2.447 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.006 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

Tgt Ion: 142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

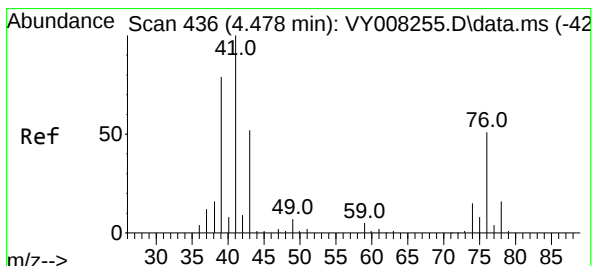
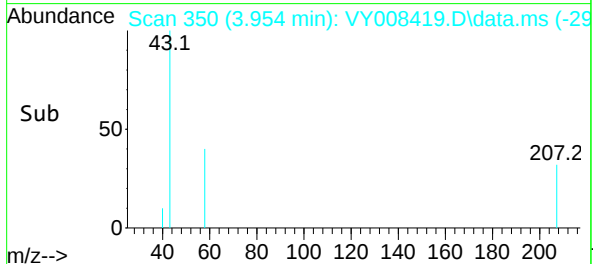
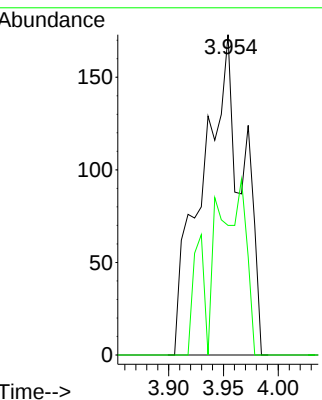
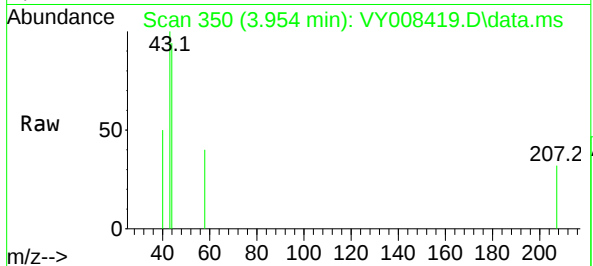




#16
Acetone
Concen: 2.110 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

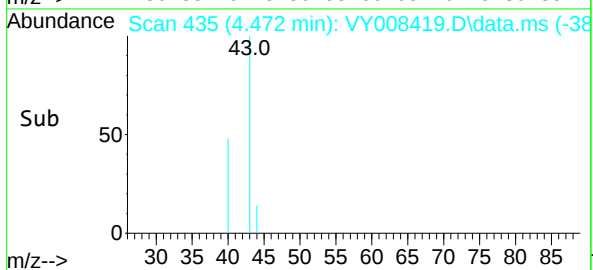
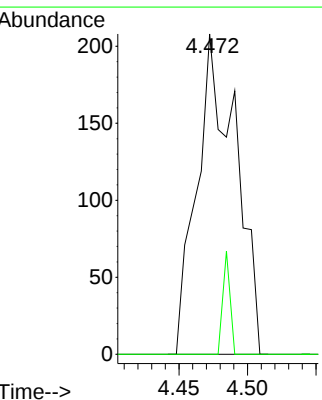
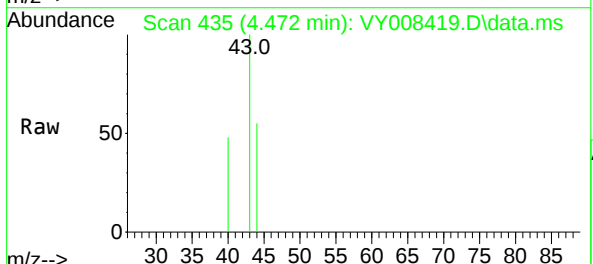
Instrument :
MSVOA_Y
ClientSampleId :
SB-10145

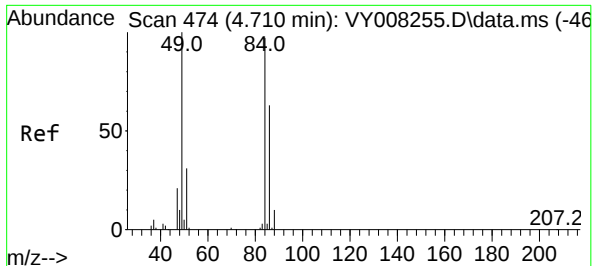
Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 40.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
74 6.1 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY008419.D

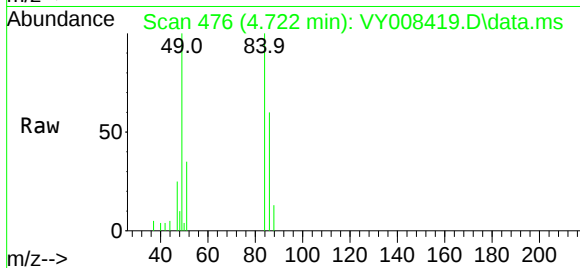
Acq: 20 Apr 2022 15:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-10145



Tgt Ion: 84 Resp: 5516

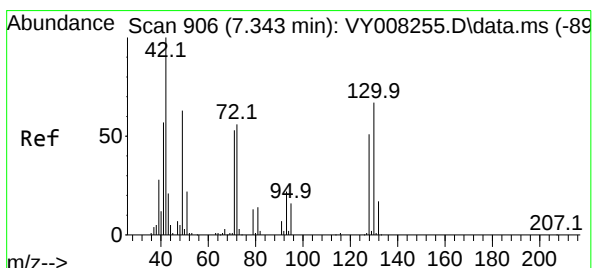
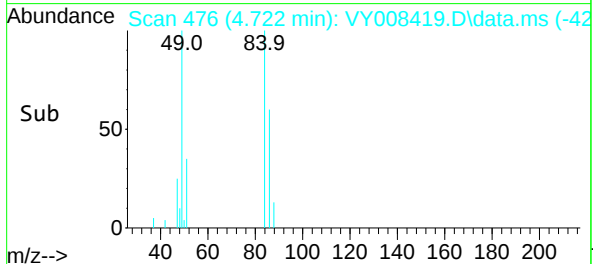
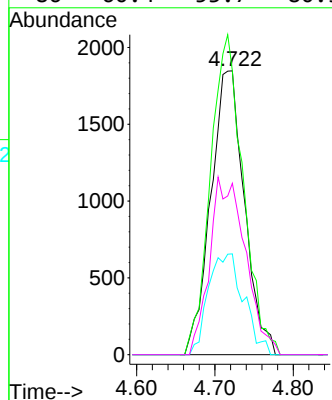
Ion Ratio Lower Upper

84 100

49 100.0 114.4 171.6#

51 35.5 35.3 52.9

86 60.4 53.7 80.5



#29

Tetrahydrofuran

Concen: 1.258 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.007 min

Lab File: VY008419.D

Acq: 20 Apr 2022 15:31

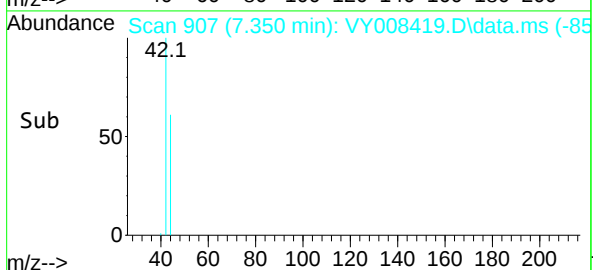
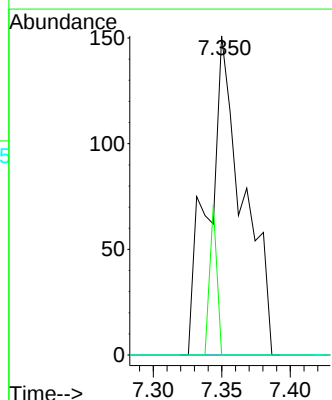
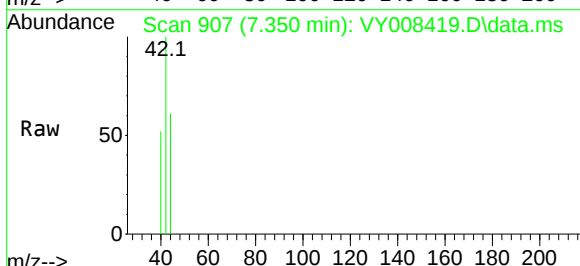
Tgt Ion: 42 Resp: 266

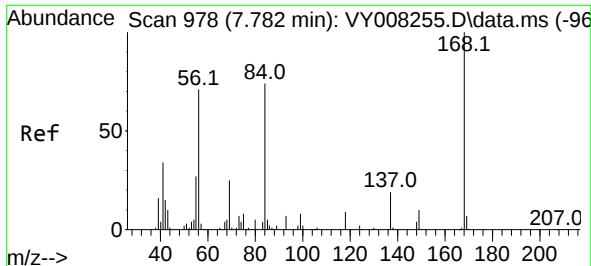
Ion Ratio Lower Upper

42 100

72 9.8 30.3 45.5#

71 0.0 29.0 43.4#

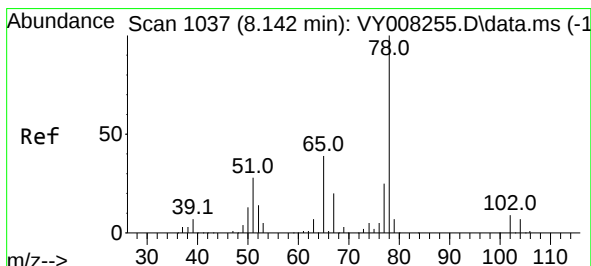
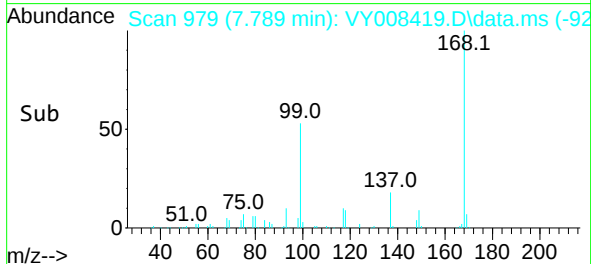
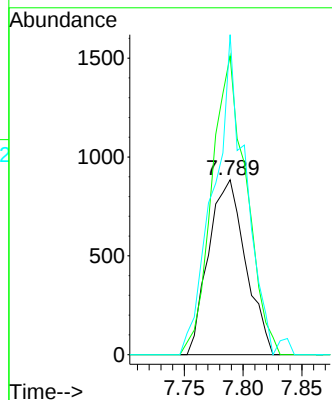
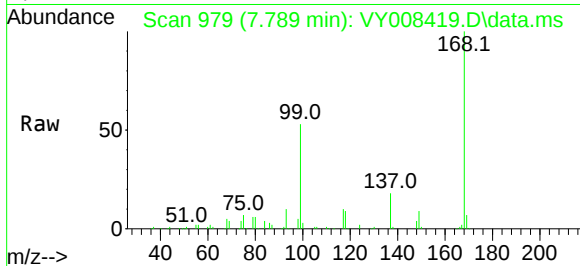




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

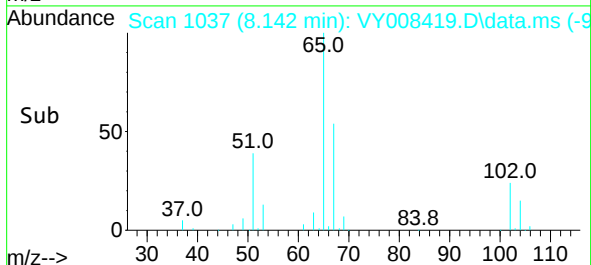
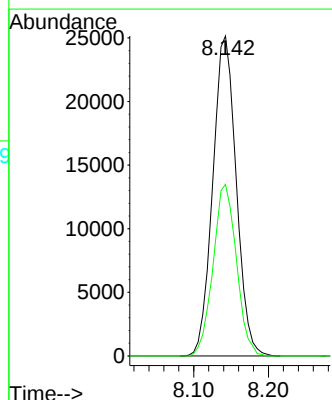
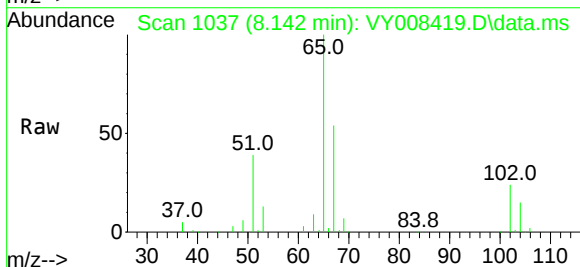
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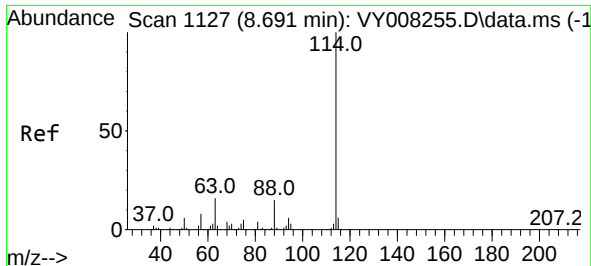
Tgt Ion: 56 Resp: 1938
Ion Ratio Lower Upper
56 100
69 170.8 26.7 40.1#
84 182.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.067 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

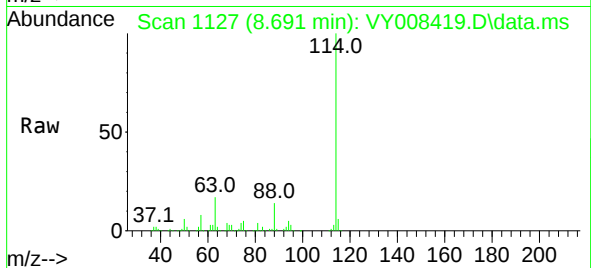
Tgt Ion: 65 Resp: 54921
Ion Ratio Lower Upper
65 100
67 53.4 0.0 99.4



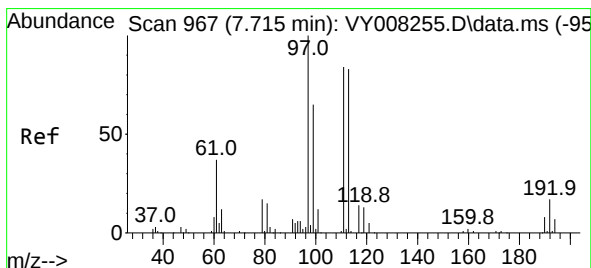
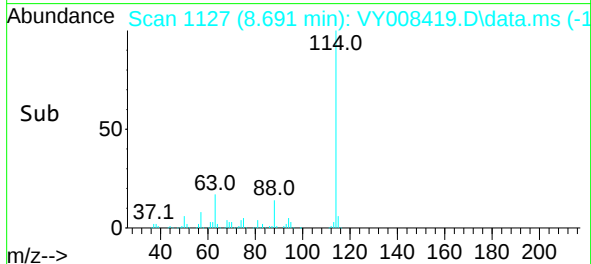
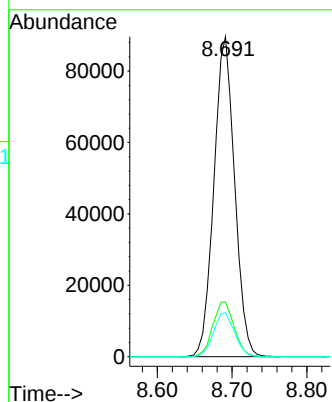


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

Instrument :
MSVOA_Y
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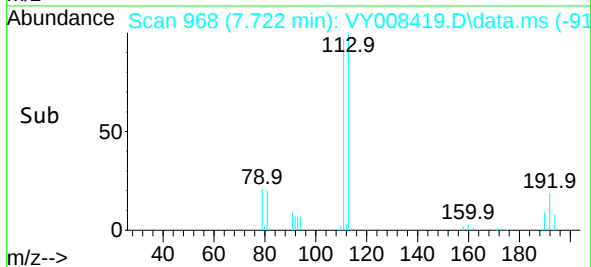
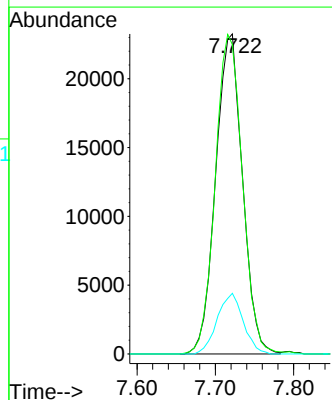
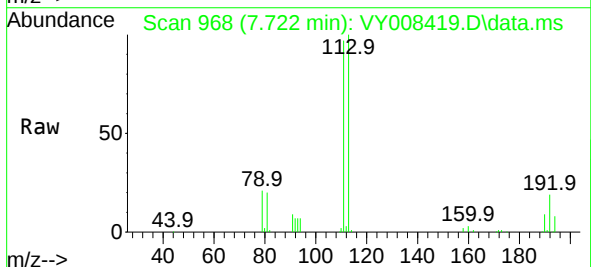


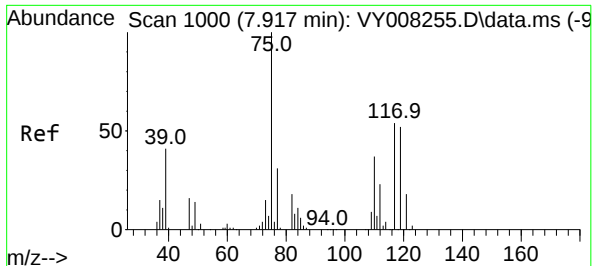
Tgt Ion:114 Resp: 172705
Ion Ratio Lower Upper
114 100
63 17.1 0.0 43.2
88 13.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.400 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.007 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

Tgt Ion:113 Resp: 55262
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 18.4 17.6 26.4

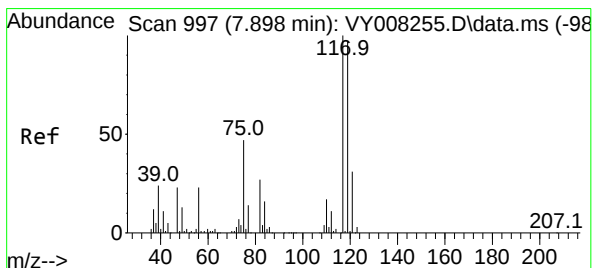
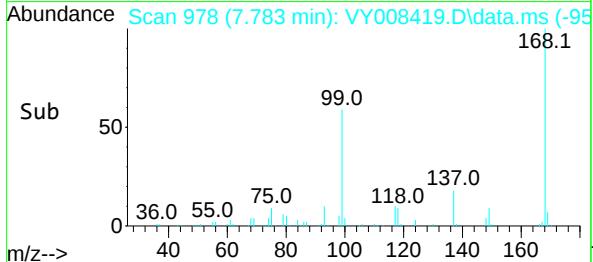
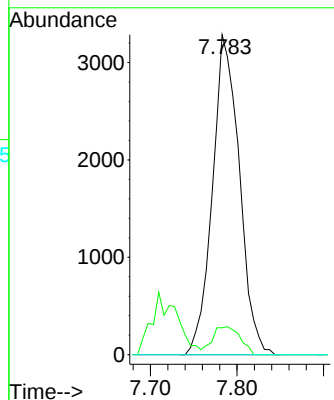
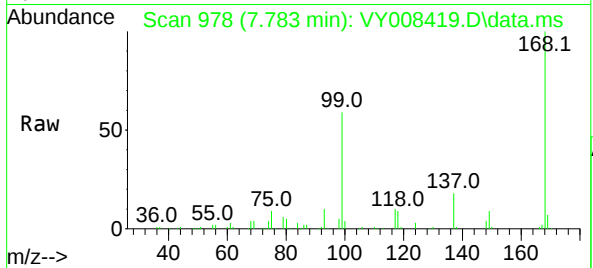




#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY008419.D
 Acq: 20 Apr 2022 15:31

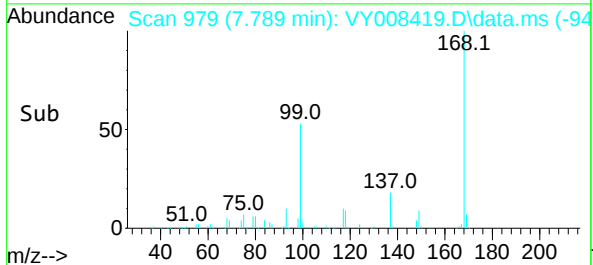
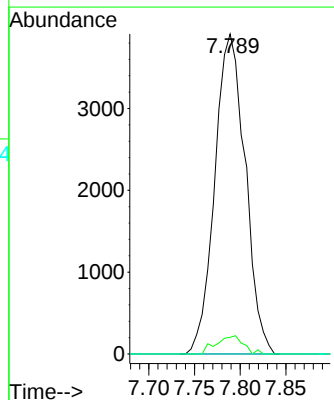
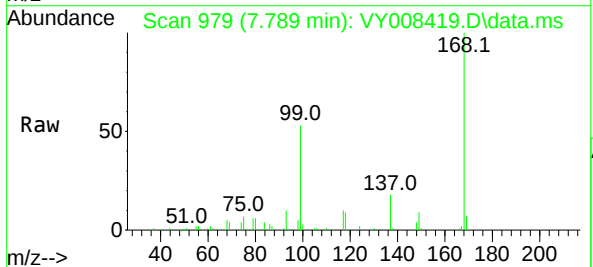
Instrument :
 MSVOA_Y
 ClientSampleId :
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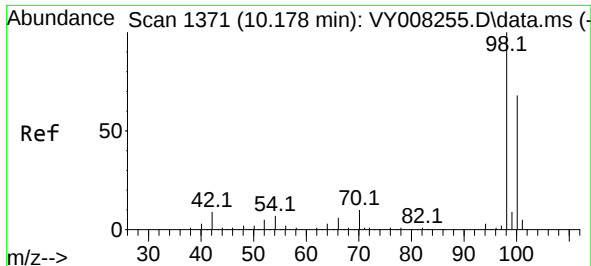
Tgt Ion: 75 Resp: 7079
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.281 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.109 min
 Lab File: VY008419.D
 Acq: 20 Apr 2022 15:31

Tgt Ion: 117 Resp: 9050
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.9 116.9#
 121 0.0 24.8 37.2#

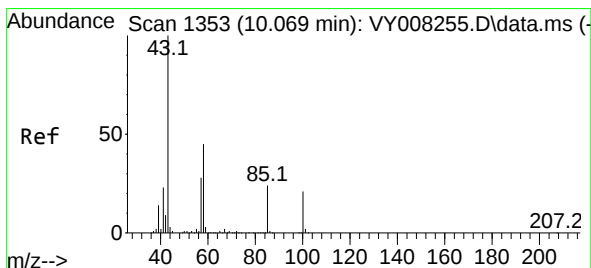
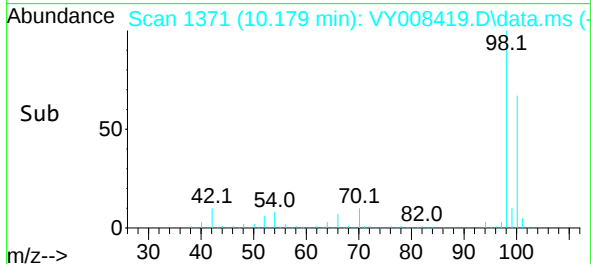
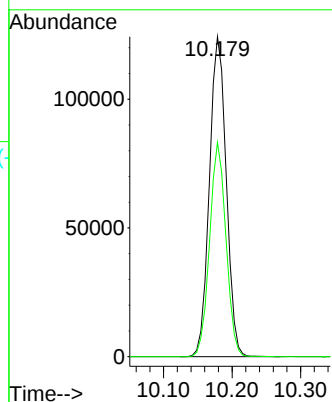
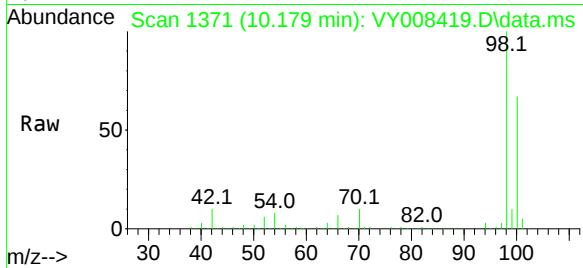




#50
Toluene-d8
Concen: 62.128 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

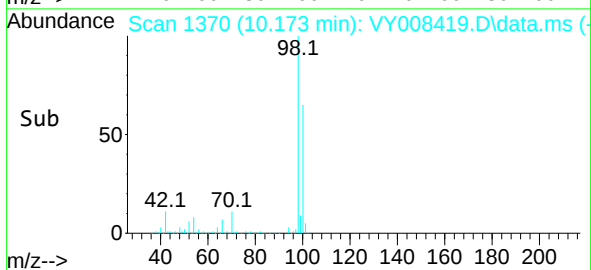
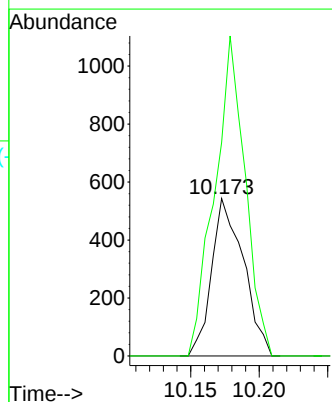
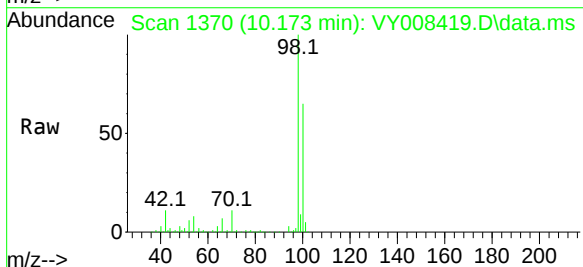
Instrument :
MSVOA_Y
ClientSampleId :
SB-10145

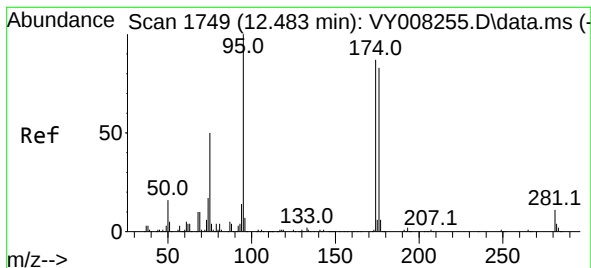
Tgt Ion: 98 Resp: 212061
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.114 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 194.6 28.1 42.1#

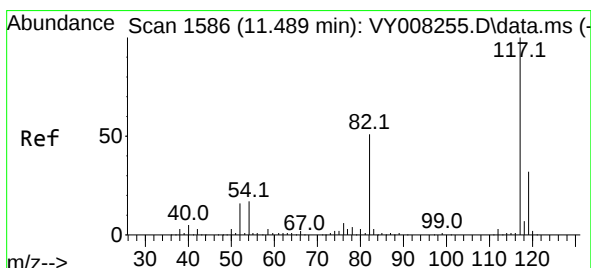
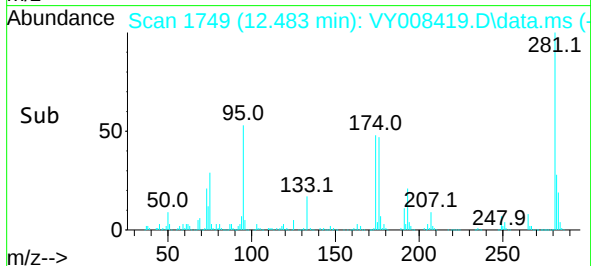
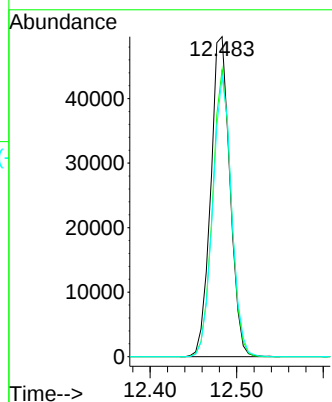
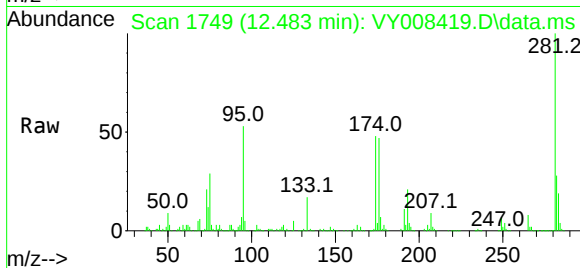




#62
4-Bromofluorobenzene
Concen: 59.426 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

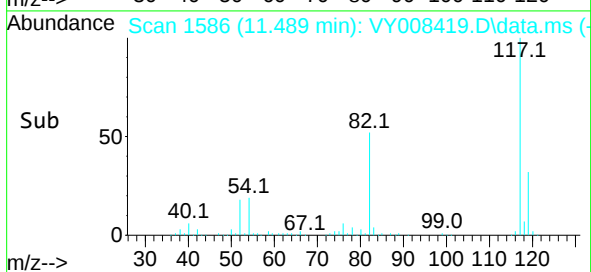
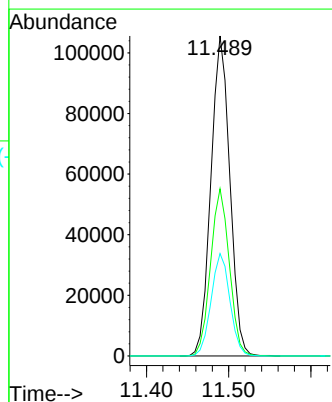
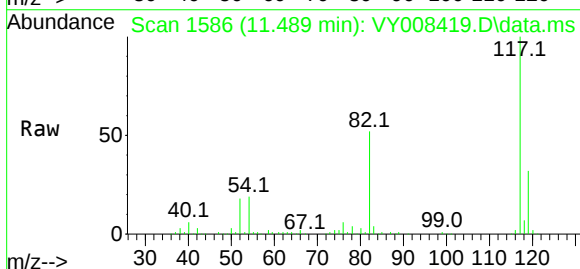
Instrument :
MSVOA_Y
ClientSampleId :
SB-10145

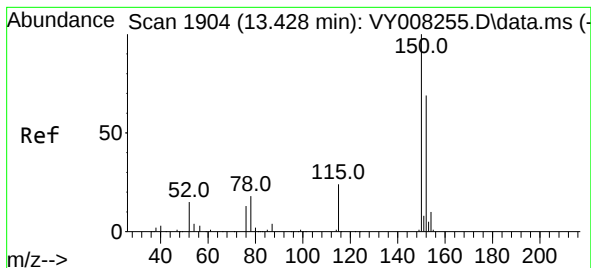
Tgt Ion: 95 Resp: 76293
Ion Ratio Lower Upper
95 100
174 86.9 0.0 177.0
176 86.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008419.D
Acq: 20 Apr 2022 15:31

Tgt Ion: 117 Resp: 168883
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.0 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: VY008419.D

Acq: 20 Apr 2022 15:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-10145

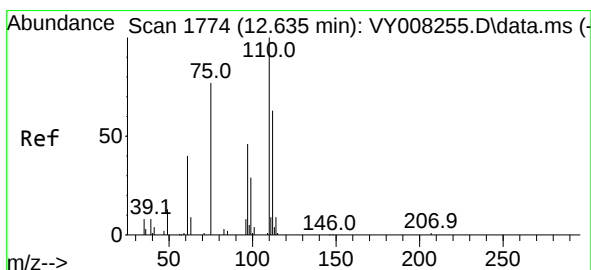
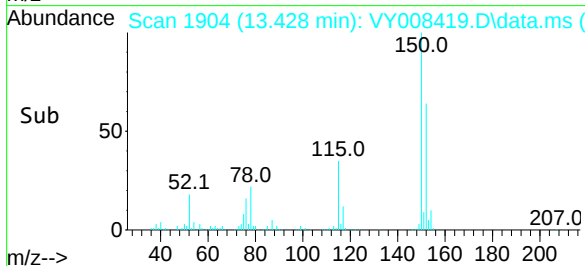
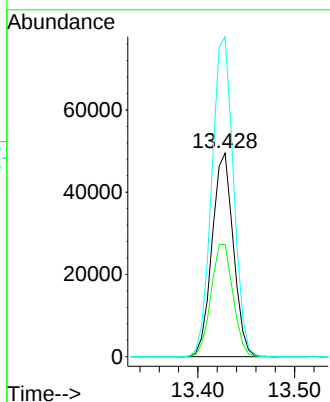
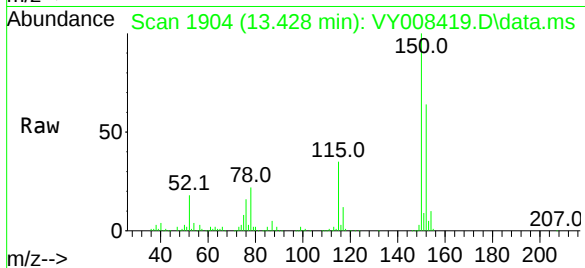
Tgt Ion:152 Resp: 75466

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

150 160.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 53.698 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008419.D

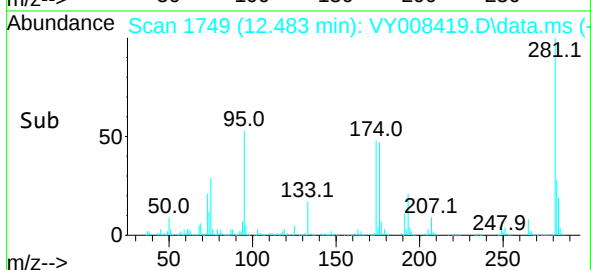
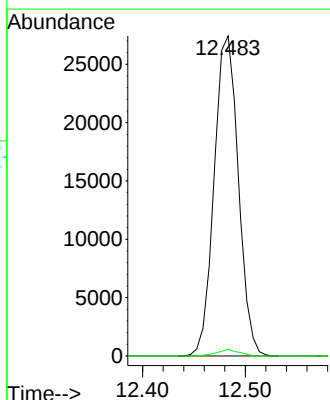
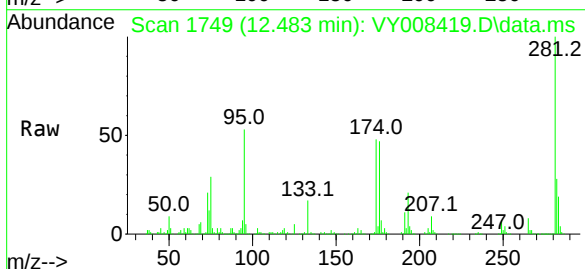
Acq: 20 Apr 2022 15:31

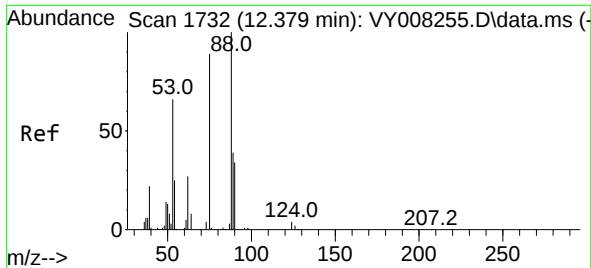
Tgt Ion: 75 Resp: 44818

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.147 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008419.D
 Acq: 20 Apr 2022 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10145

Tgt Ion: 75 Resp: 44818
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 3.3 37.0 55.4#

