

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008411.D
 Acq On : 20 Apr 2022 12:16
 Operator : KP/MD
 Sample : VY0420SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0420SBL01

Quant Time: Apr 21 02:37:18 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)

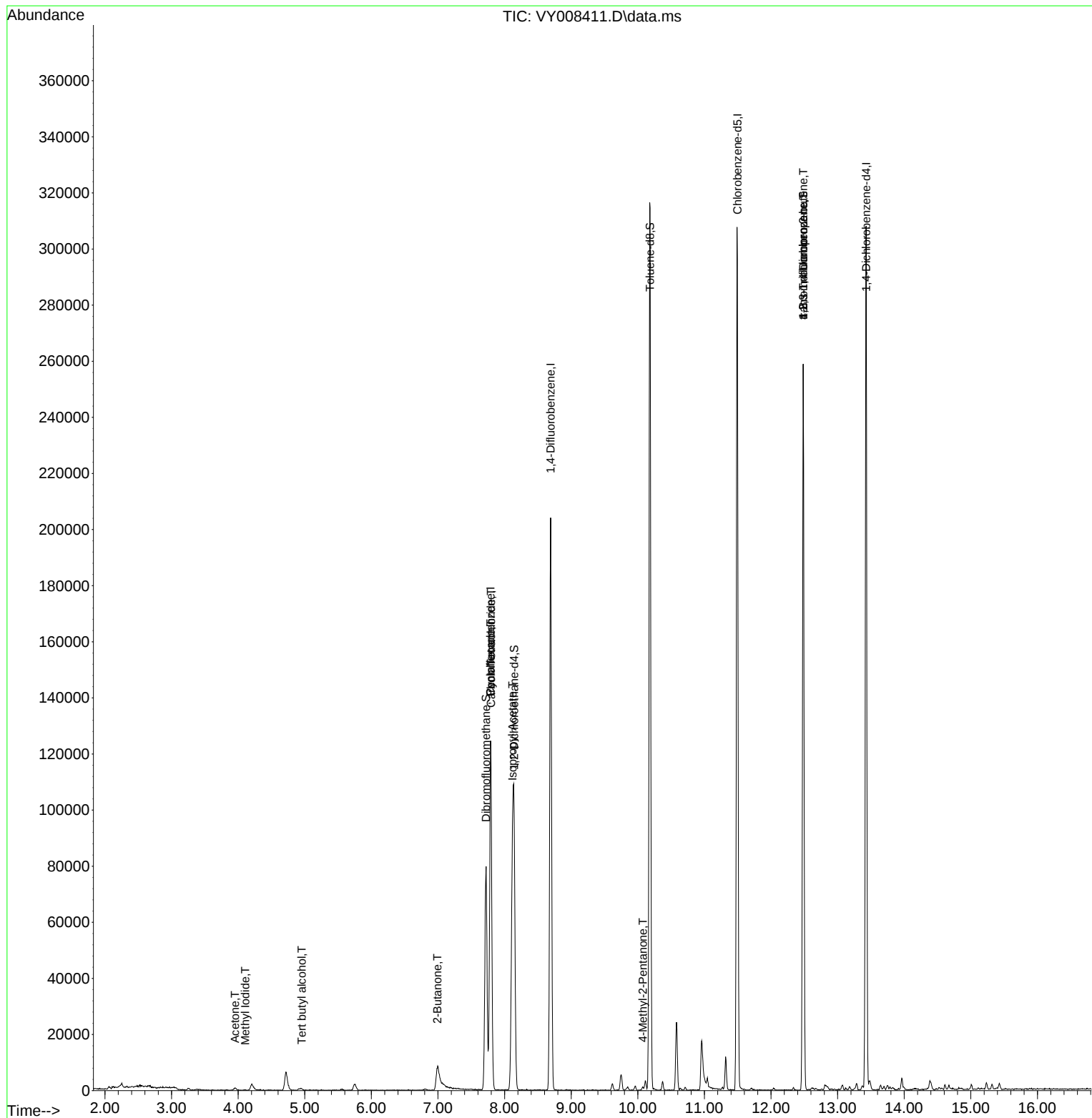
Internal Standards						
1) Pentafluorobenzene	7.789	168	95704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	175984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	171587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53732	59.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.540%			
35) Dibromofluoromethane	7.722	113	55447	54.549	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.100%			
50) Toluene-d8	10.185	98	216521	62.253	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 124.500%			
62) 4-Bromofluorobenzene	12.483	95	71655	54.774	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.540%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	241	Below Cal	#	44
5) Bromomethane	2.668	94	415	Below Cal		90
10) Methyl Iodide	4.107	142	274	2.613	ug/l #	35
11) Tert butyl alcohol	4.954	59	466	4.849	ug/l #	77
16) Acetone	3.954	43	1594	7.372	ug/l #	68
18) Methyl Acetate	4.491	43	162	Below Cal	#	56
20) Methylene Chloride	4.722	84	5096	Below Cal	#	77
25) 2-Butanone	6.990	43	822	2.431	ug/l #	86
31) Cyclohexane	7.789	56	2231	1.372	ug/l #	1
38) Carbon Tetrachloride	7.795	117	9309	5.331	ug/l #	16
43) Isopropyl Acetate	8.118	43	1756	1.131	ug/l #	1
51) 4-Methyl-2-Pentanone	10.075	43	872	1.087	ug/l #	86
76) 1,2,3-Trichloropropane	12.483	75	38163	44.435	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	38163	99.421	ug/l #	7

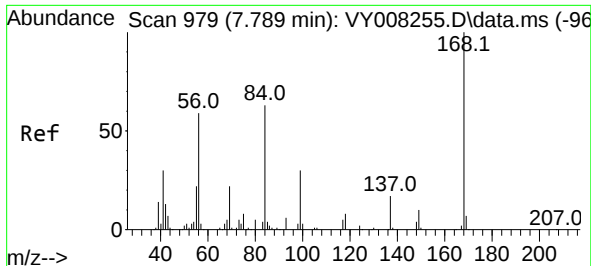
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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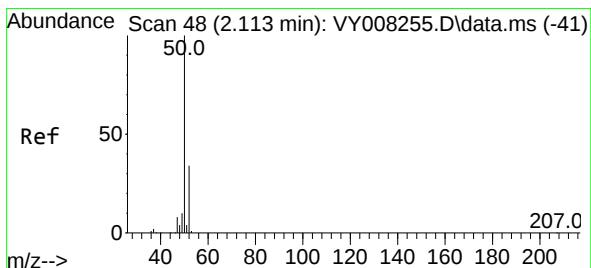
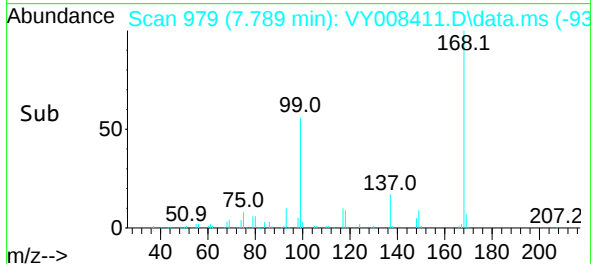
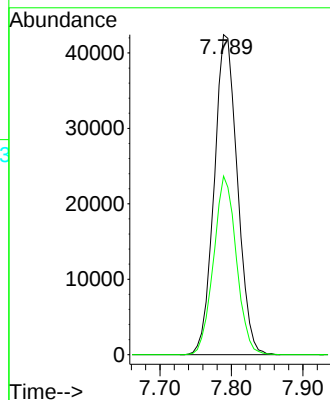
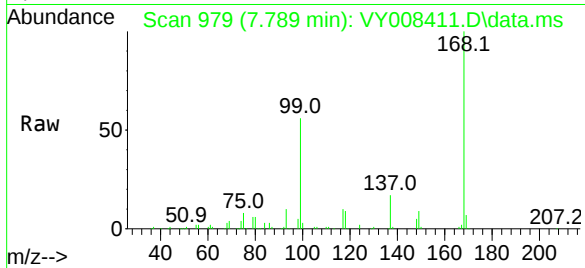




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

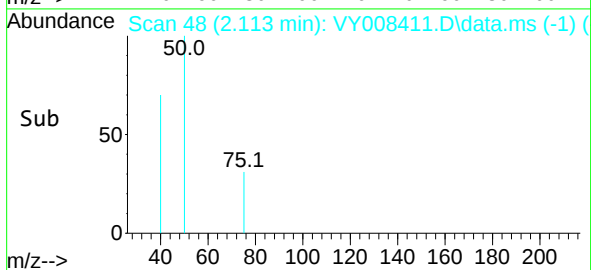
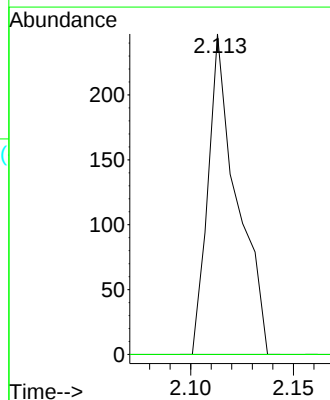
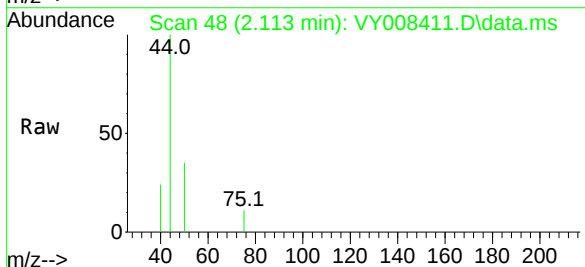
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

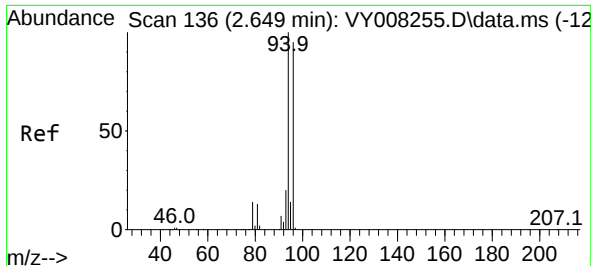
Tgt Ion:168 Resp: 95704
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 50 Resp: 241
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

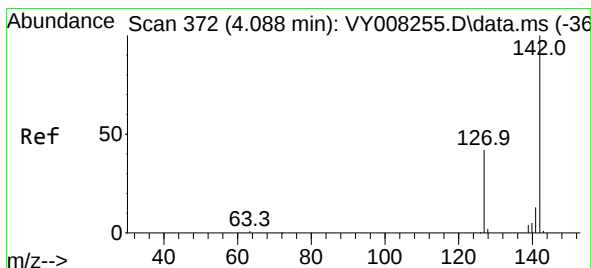
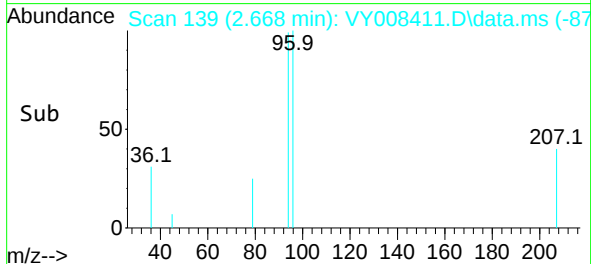
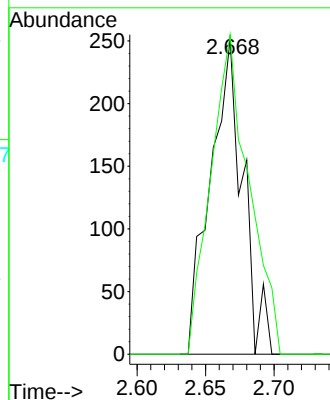
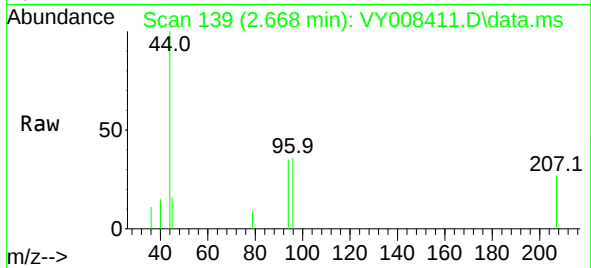




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

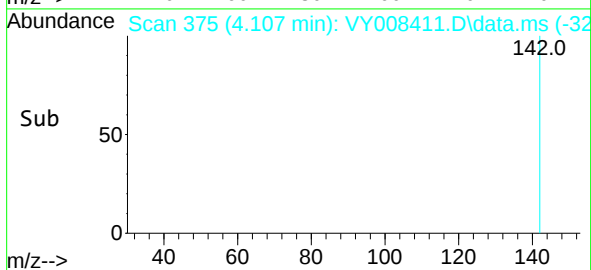
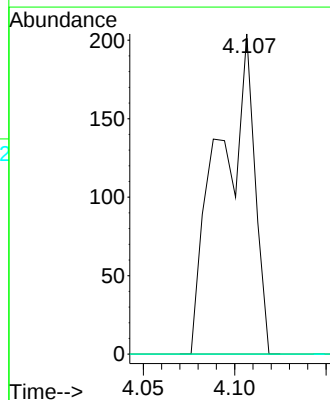
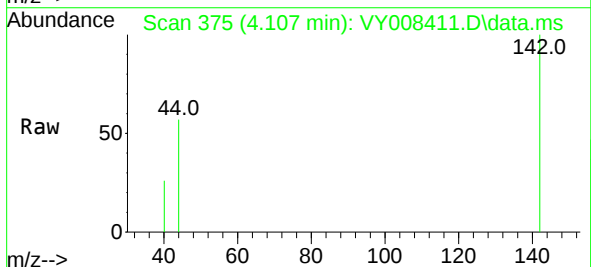
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

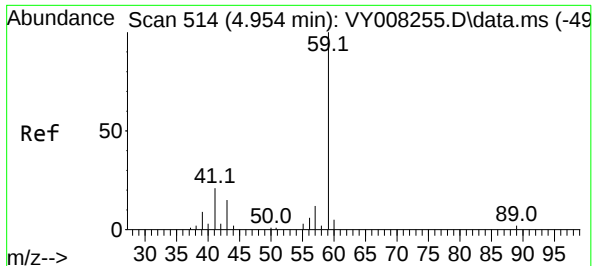
Tgt Ion: 94 Resp: 415
Ion Ratio Lower Upper
94 100
96 101.2 73.5 110.3



#10
Methyl Iodide
Concen: 2.613 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 142 Resp: 274
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

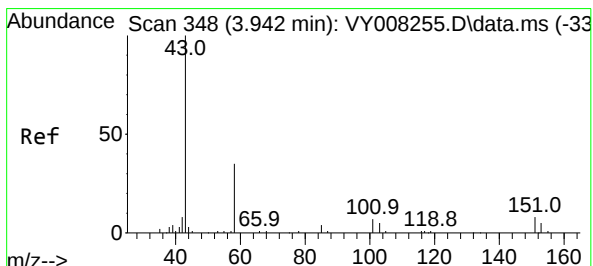
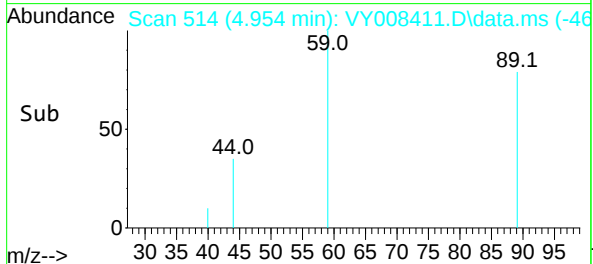
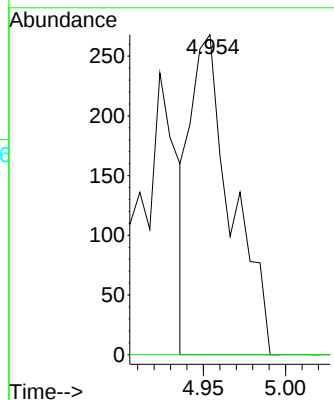
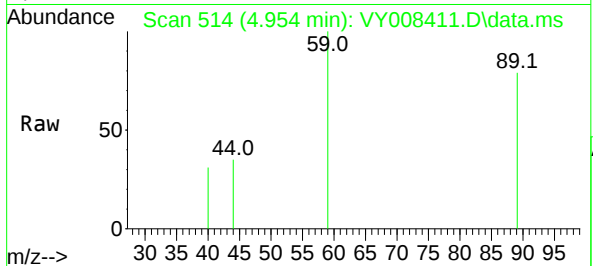




#11
Tert butyl alcohol
Concen: 4.849 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

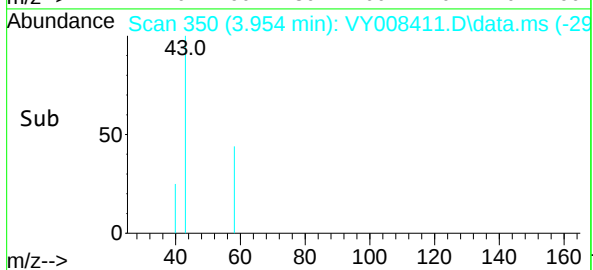
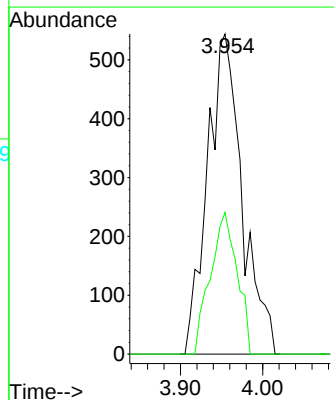
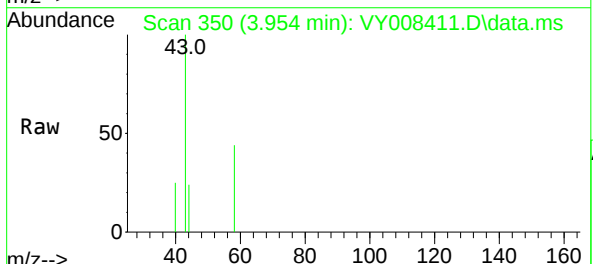
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

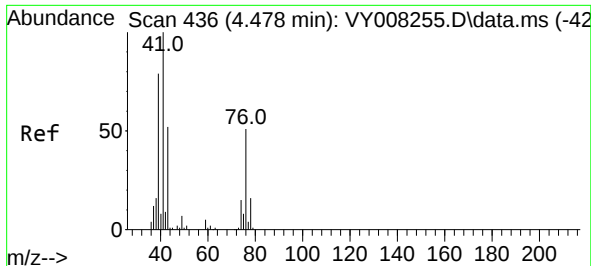
Tgt Ion: 59 Resp: 466
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 7.372 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
58 44.3 22.0 33.0#

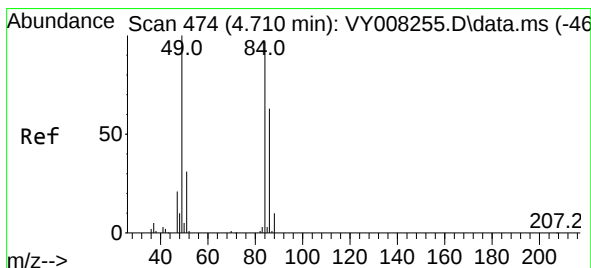
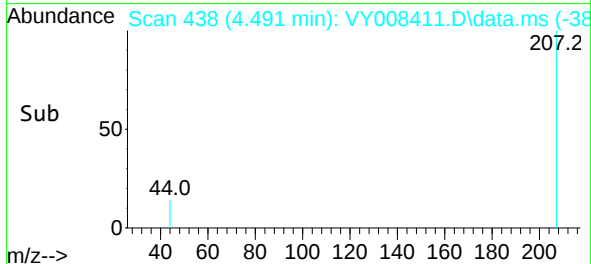
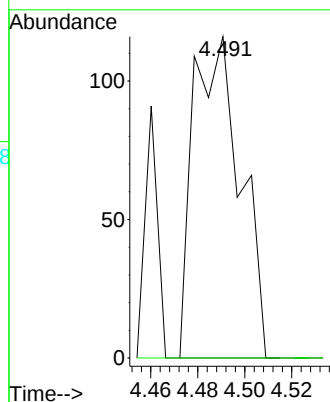
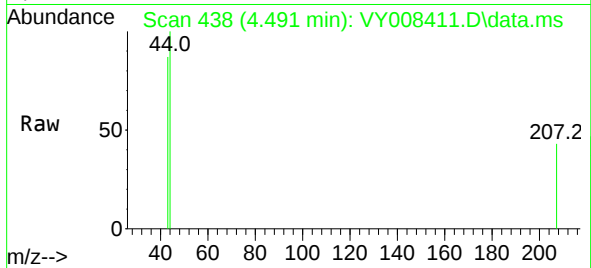




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

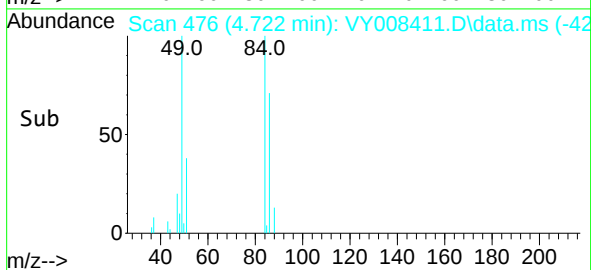
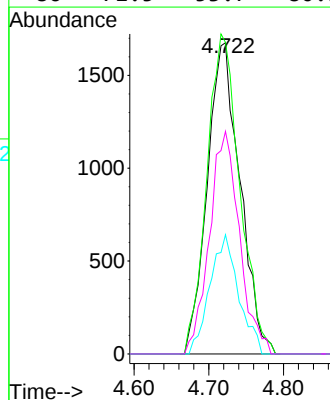
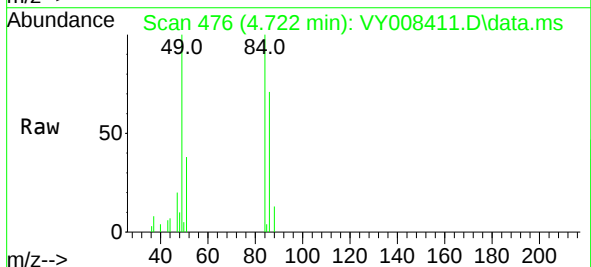
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

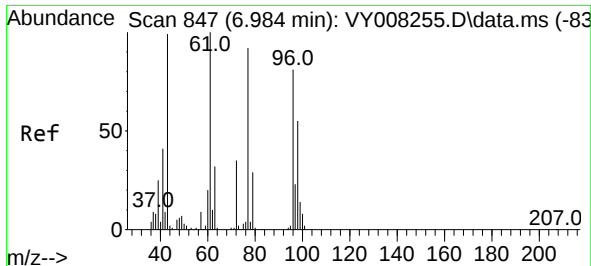
Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 84 Resp: 5096
Ion Ratio Lower Upper
84 100
49 100.1 114.4 171.6#
51 38.3 35.3 52.9
86 71.5 53.7 80.5

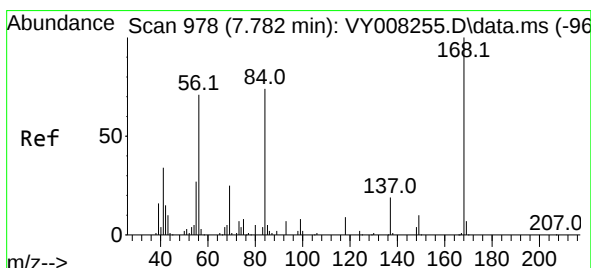
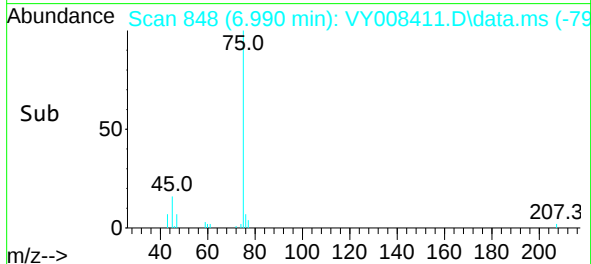
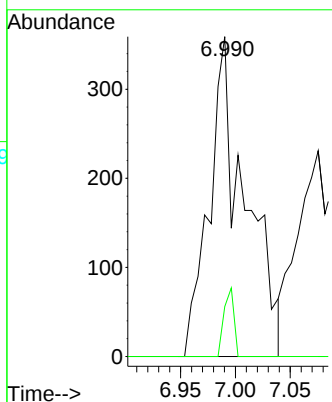
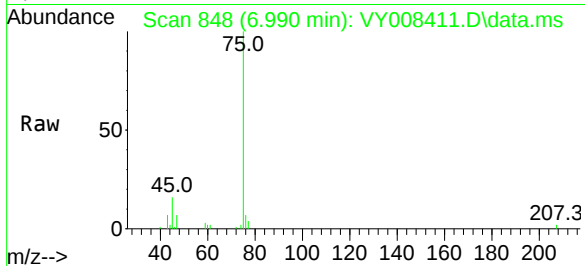




#25
2-Butanone
Concen: 2.431 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

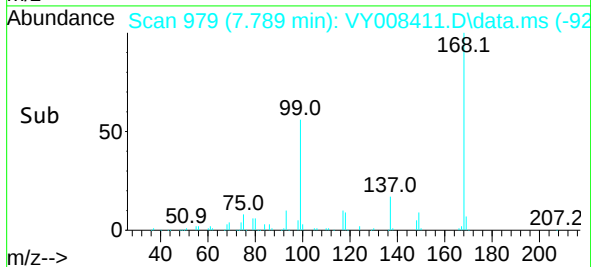
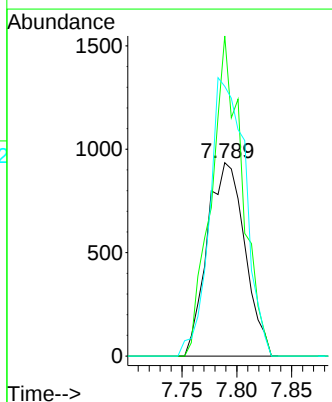
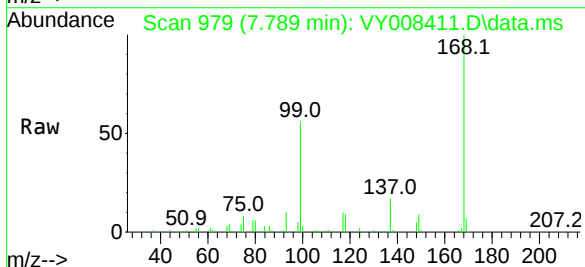
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

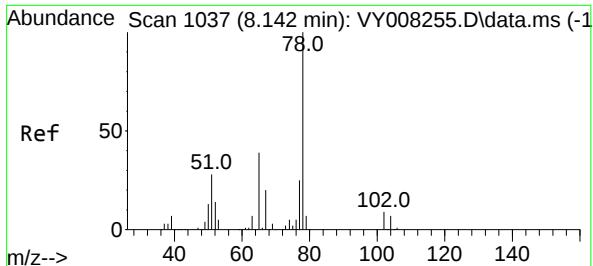
Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
72 15.6 17.7 26.5#



#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.007 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 56 Resp: 2231
Ion Ratio Lower Upper
56 100
69 165.6 26.7 40.1#
84 139.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 59.771 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008411.D

Acq: 20 Apr 2022 12:16

Instrument :

MSVOA_Y

ClientSampleId :

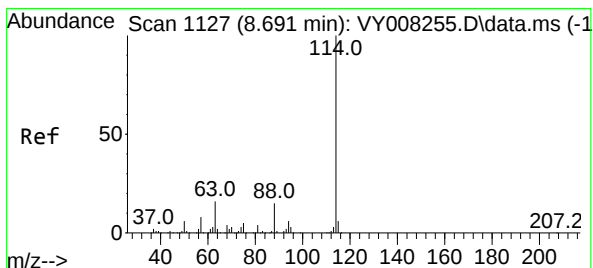
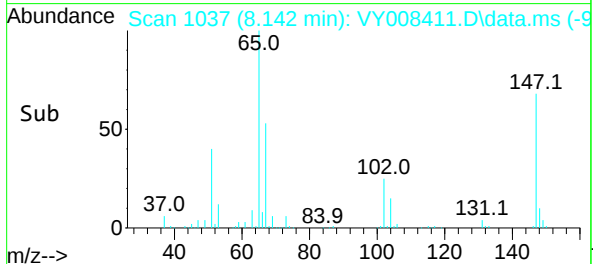
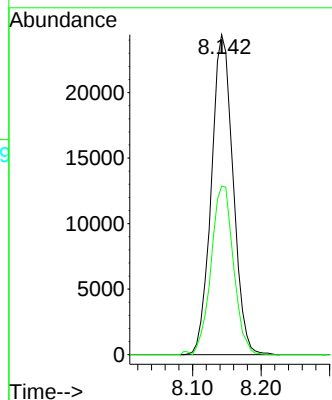
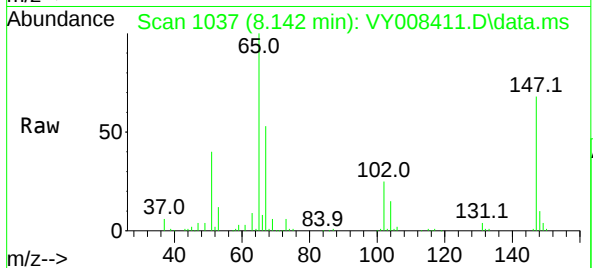
VY0420SBL01

Tgt Ion: 65 Resp: 53732

Ion Ratio Lower Upper

65 100

67 54.5 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: VY008411.D

Acq: 20 Apr 2022 12:16

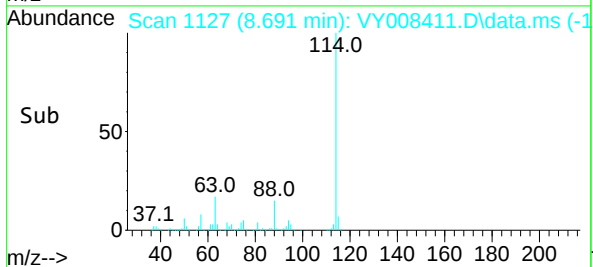
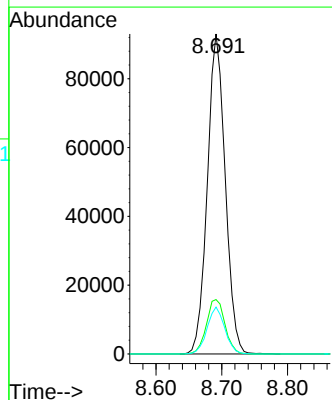
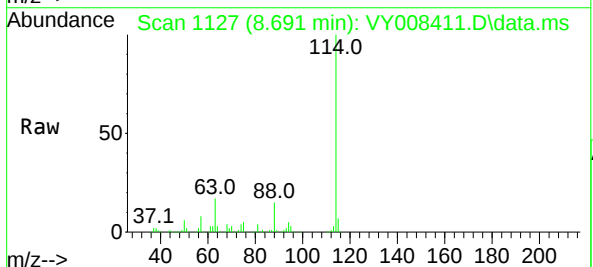
Tgt Ion: 114 Resp: 175984

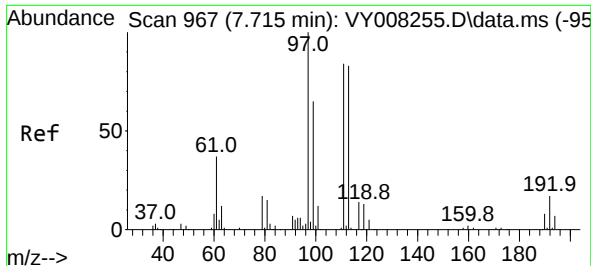
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 14.6 0.0 31.8

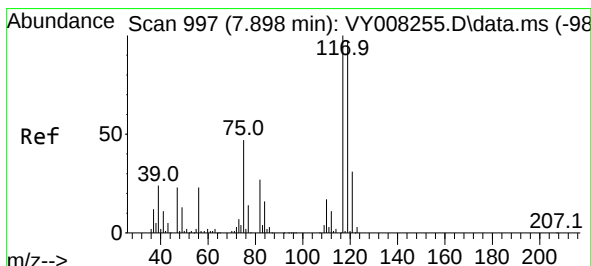
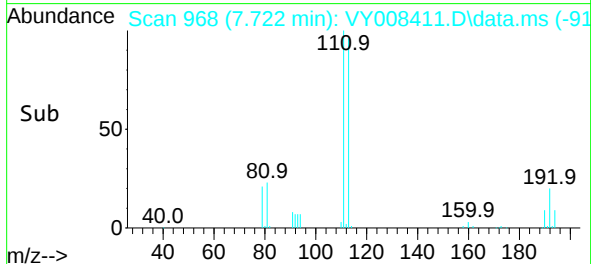
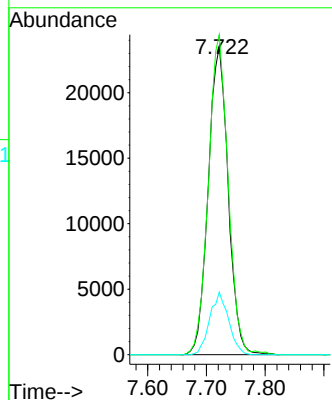
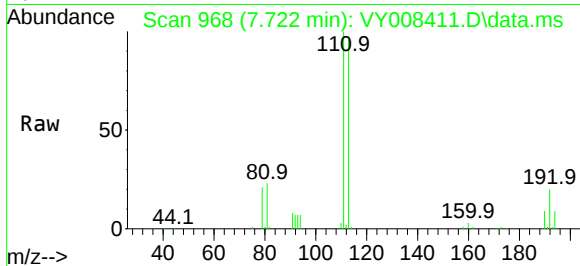




#35
Dibromofluoromethane
Concen: 54.549 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

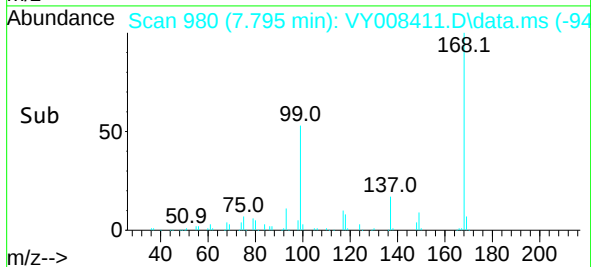
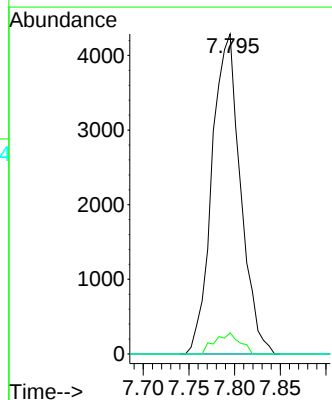
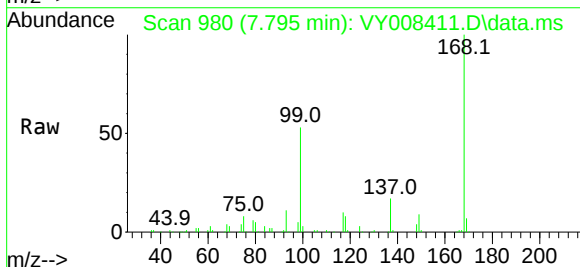
Instrument :
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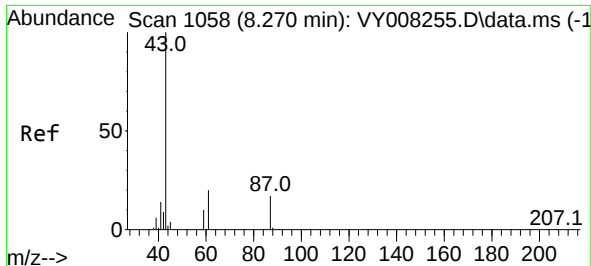
Tgt Ion:113 Resp: 55447
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 19.2 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion:117 Resp: 9309
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#

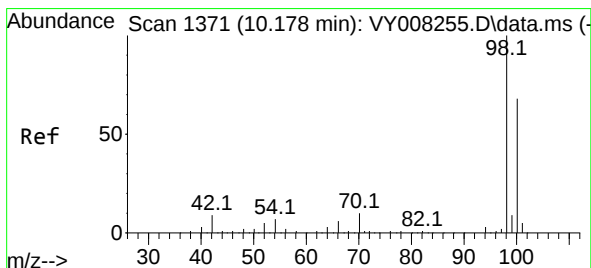
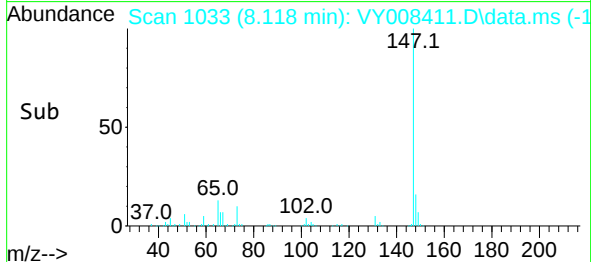
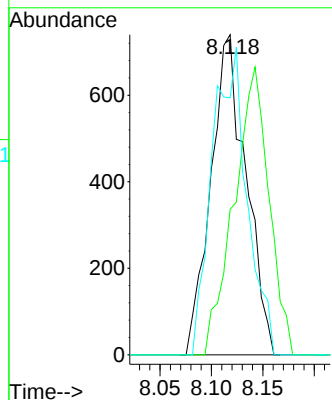
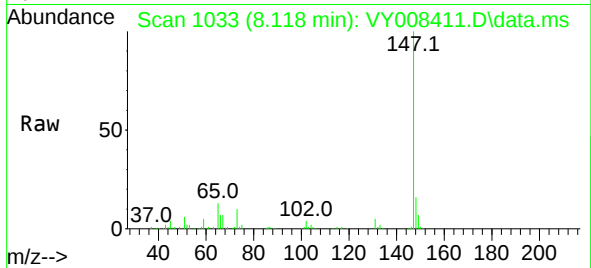




#43
Isopropyl Acetate
Concen: 1.131 ug/l
RT: 8.118 min Scan# 1058
Delta R.T. -0.152 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

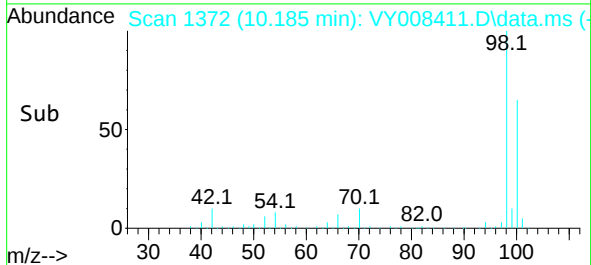
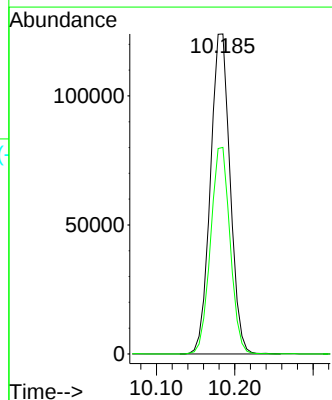
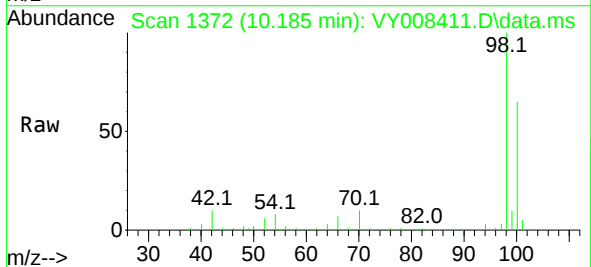
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

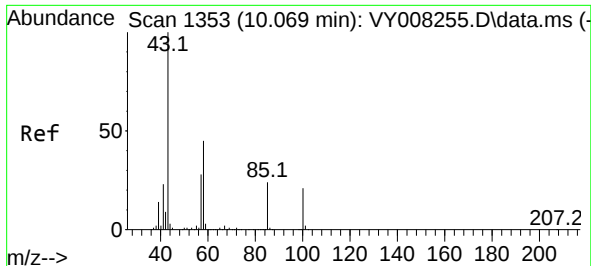
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 95.2 8.9 13.3#



#50
Toluene-d8
Concen: 62.253 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 98 Resp: 216521
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

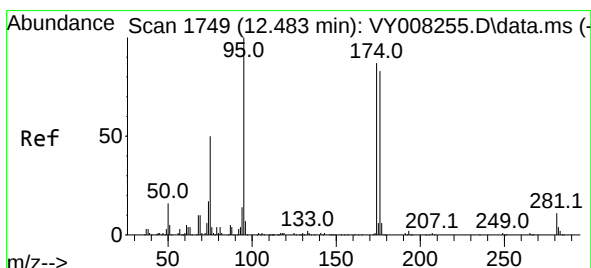
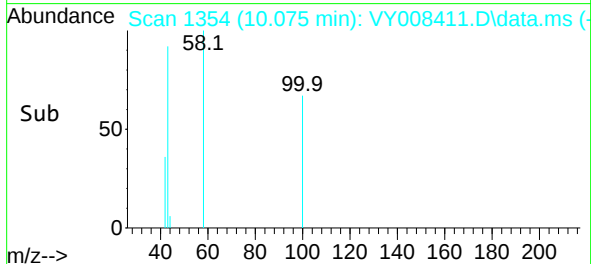
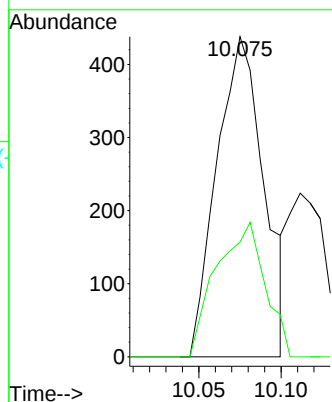
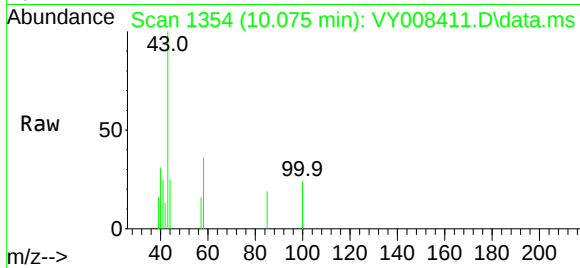




#51
4-Methyl-2-Pentanone
Concen: 1.087 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

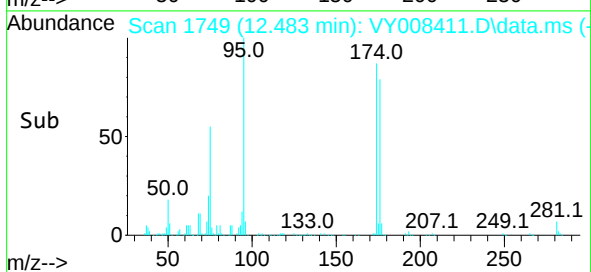
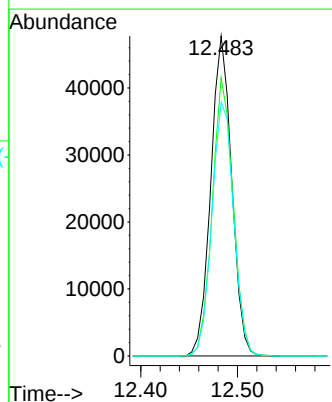
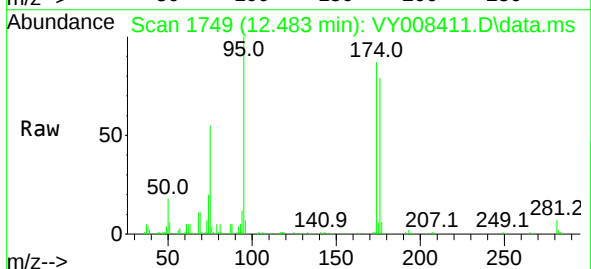
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

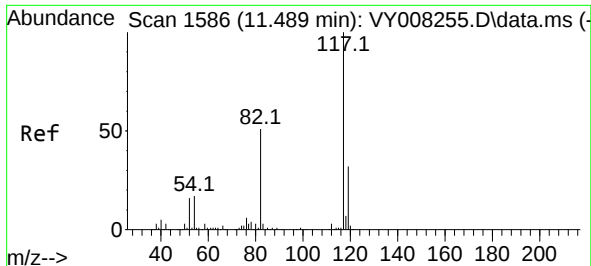
Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
58 43.3 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 54.774 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 95 Resp: 71655
Ion Ratio Lower Upper
95 100
174 87.0 0.0 177.0
176 82.6 0.0 175.8

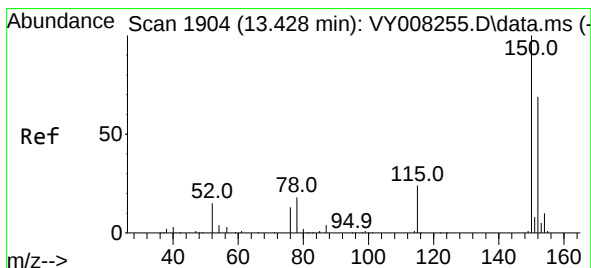
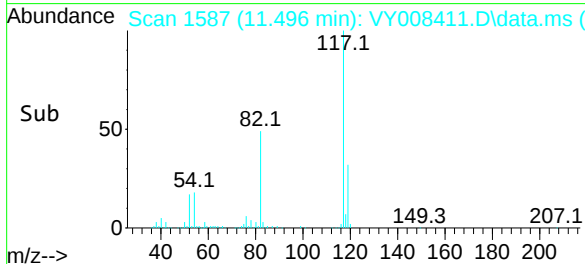
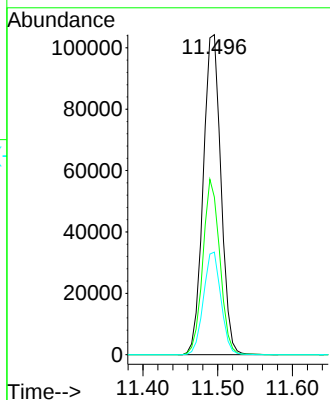
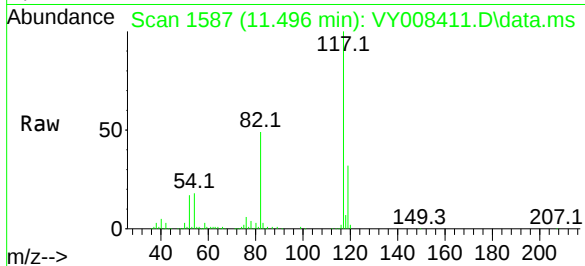




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

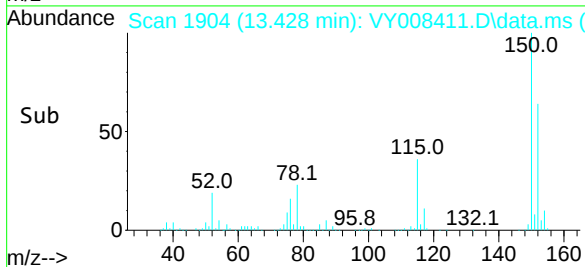
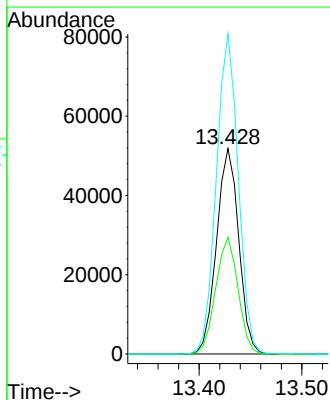
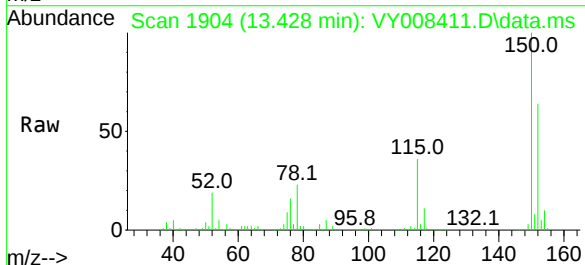
Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

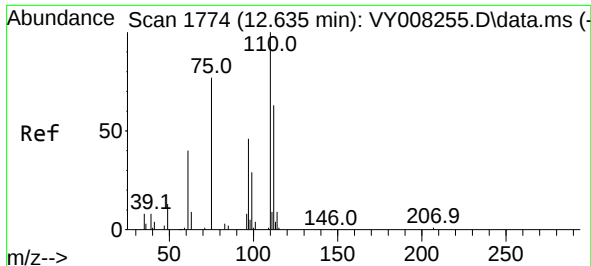
Tgt Ion:117 Resp: 171587
Ion Ratio Lower Upper
117 100
82 49.2 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion:152 Resp: 77656
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 154.1 0.0 347.6

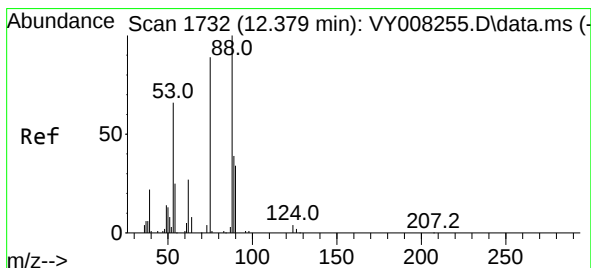
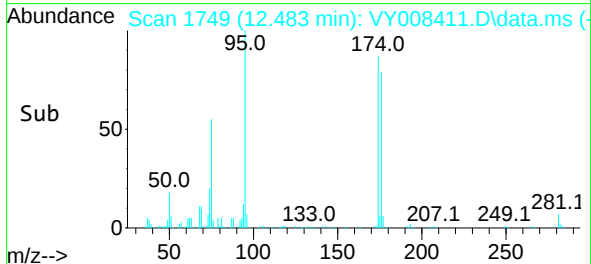
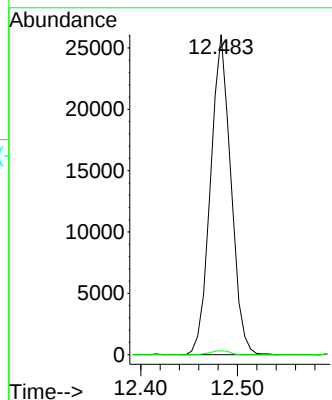
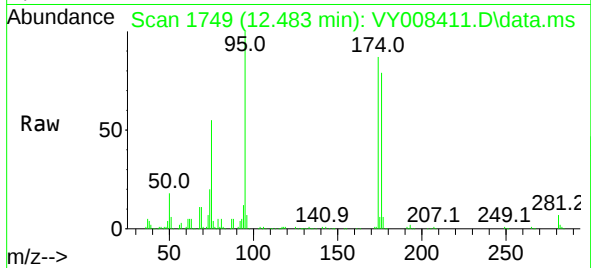




#76
1,2,3-Trichloropropane
Concen: 44.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0420SBL01

Tgt Ion: 75 Resp: 38163
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.421 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008411.D
Acq: 20 Apr 2022 12:16

Tgt Ion: 75 Resp: 38163
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

