

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012135.D
 Acq On : 10 Jan 2023 12:34
 Operator : KP/MD
 Sample : 01076-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-010923

Quant Time: Jan 11 03:08:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

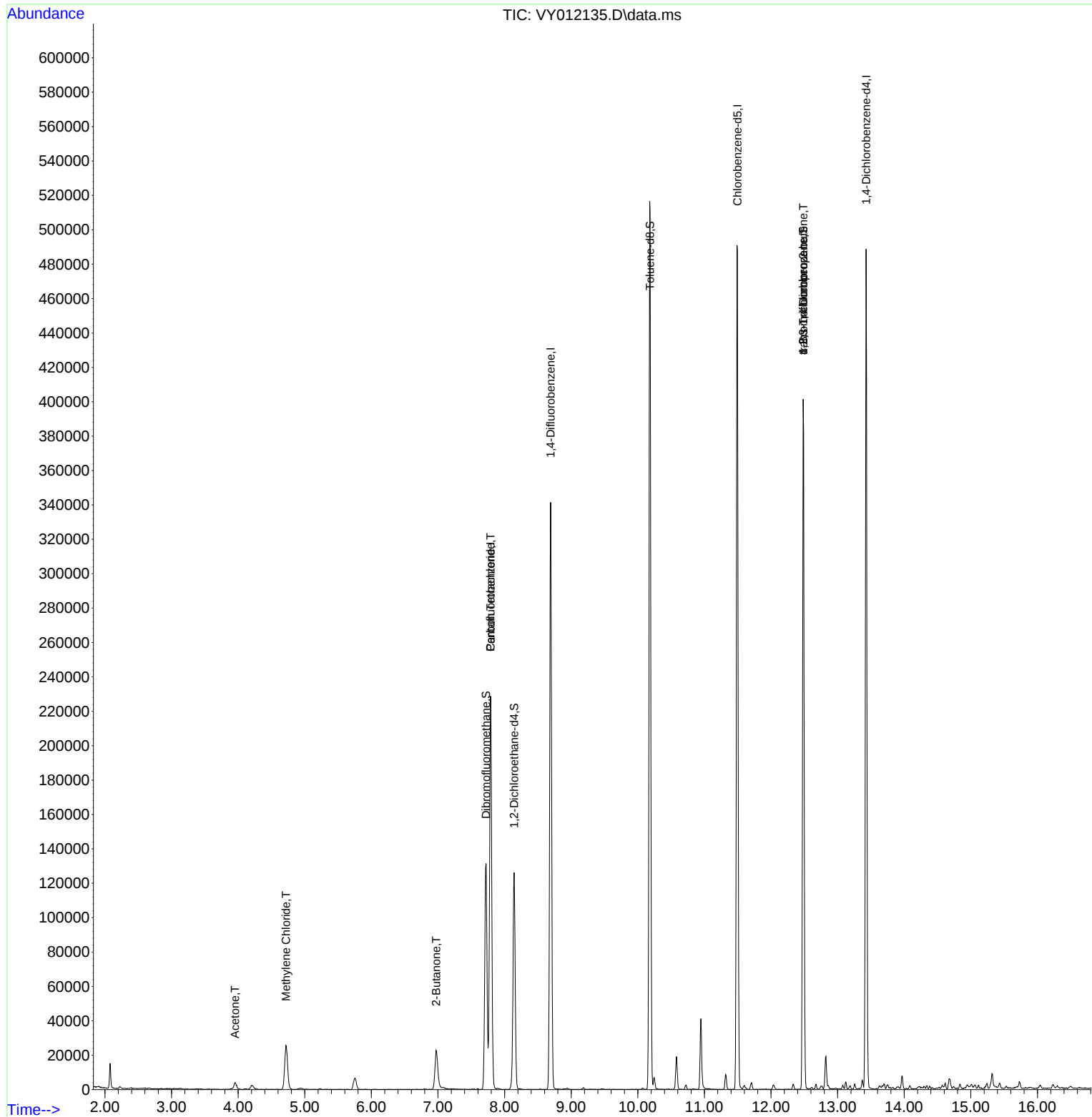
Internal Standards						
1) Pentafluorobenzene	7.789	168	179466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	298900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	283001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	102638	50.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.800%			
35) Dibromofluoromethane	7.722	113	90427	46.028	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.060%			
50) Toluene-d8	10.185	98	354269	45.686	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.380%			
62) 4-Bromofluorobenzene	12.483	95	114726	42.326	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.660%			
Target Compounds						
2) Dichlorodifluoromethane	1.912	85	341	Below Cal	#	41
3) Chloromethane	2.113	50	174	Below Cal	#	41
5) Bromomethane	2.668	94	187	Below Cal	#	60
11) Tert butyl alcohol	4.954	59	988	Below Cal	#	74
16) Acetone	3.954	43	7087	14.940	ug/l	99
17) Carbon Disulfide	4.186	76	241	Below Cal	#	75
20) Methylene Chloride	4.716	84	21475	5.434	ug/l	91
25) 2-Butanone	6.972	43	1074	1.716	ug/l	# 79
31) Cyclohexane	7.789	56	3670	Below Cal	#	17
38) Carbon Tetrachloride	7.789	117	17593	4.650	ug/l	# 19
76) 1,2,3-Trichloropropane	12.483	75	61833	42.591	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	61833	94.589	ug/l	# 13

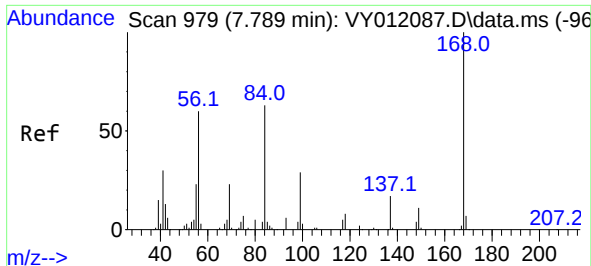
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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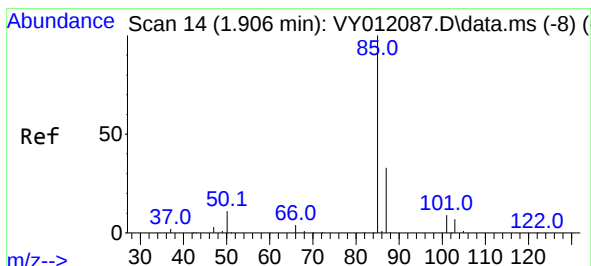
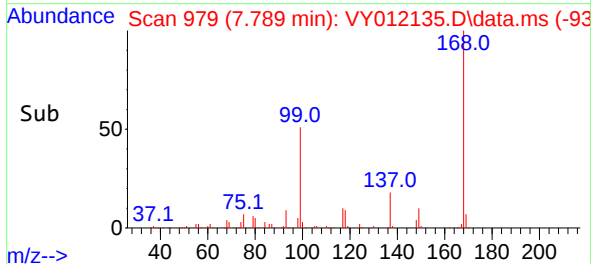
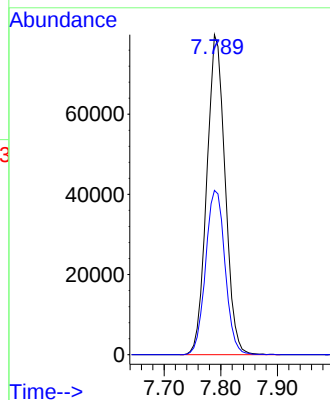
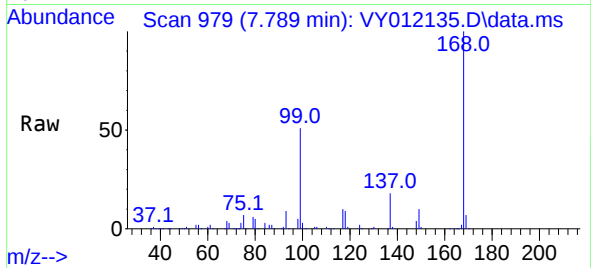




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

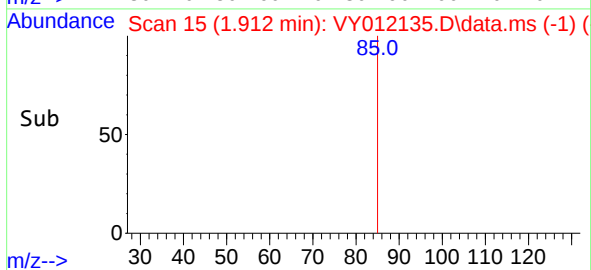
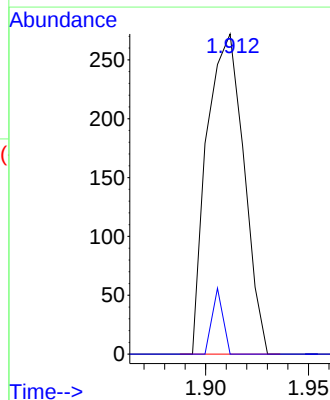
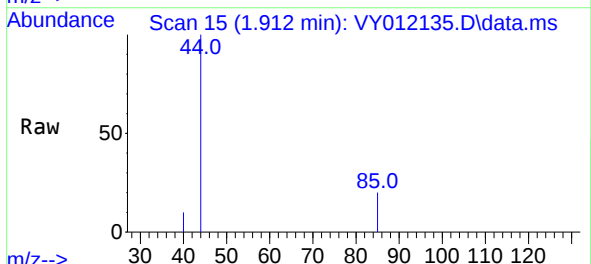
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-010923

Tgt Ion:168 Resp: 179466
Ion Ratio Lower Upper
168 100
99 51.4 44.0 66.0

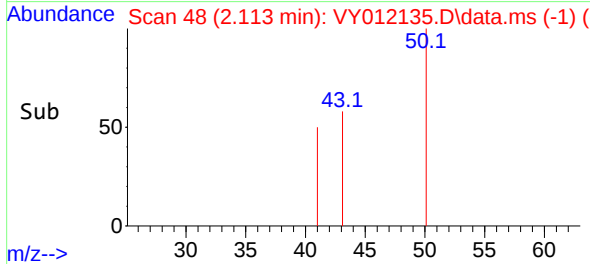
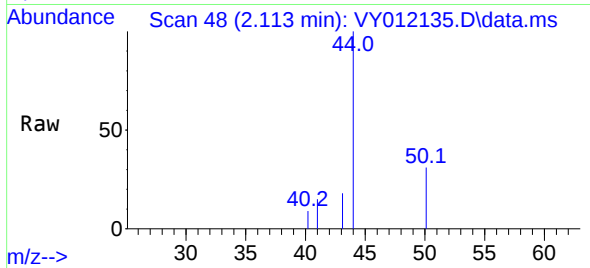
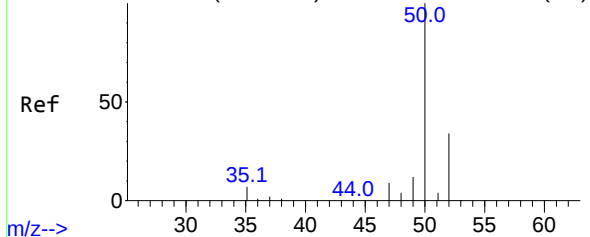


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Tgt Ion: 85 Resp: 341
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.000 min

Lab File: VY012135.D

Acq: 10 Jan 2023 12:34

Instrument :

MSVOA_Y

ClientSampleId :

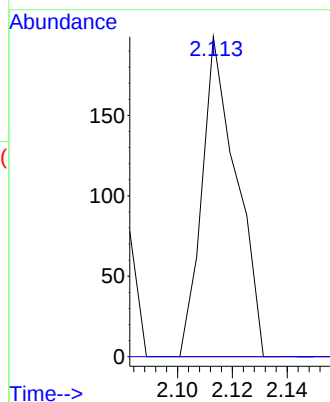
BU-03-010923

Tgt Ion: 50 Resp: 174

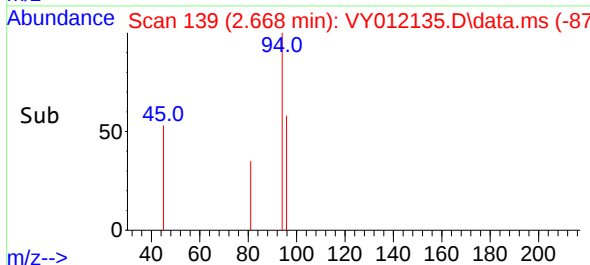
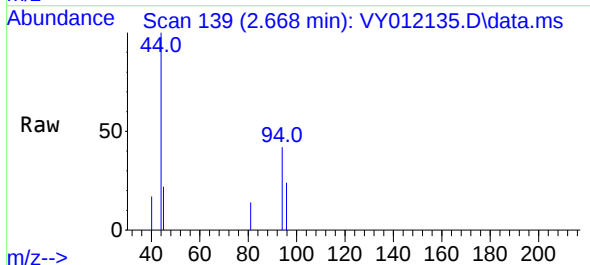
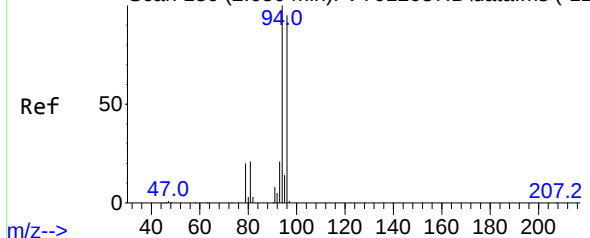
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.018 min

Lab File: VY012135.D

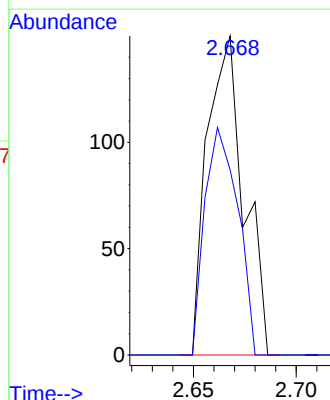
Acq: 10 Jan 2023 12:34

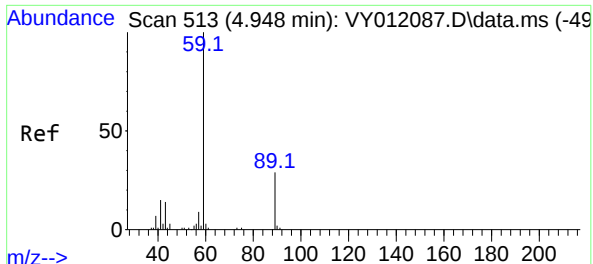
Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

94 100

96 58.0 77.4 116.2#

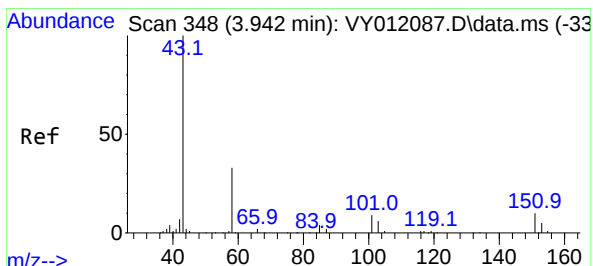
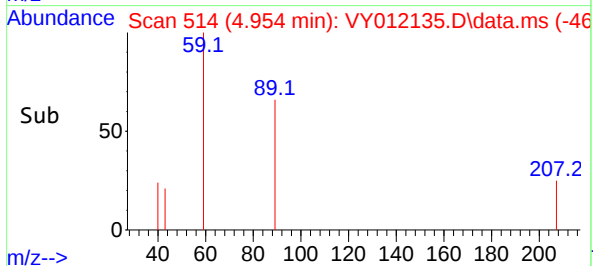
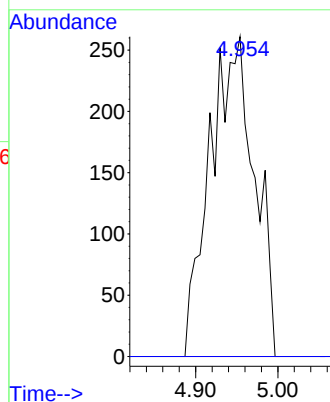
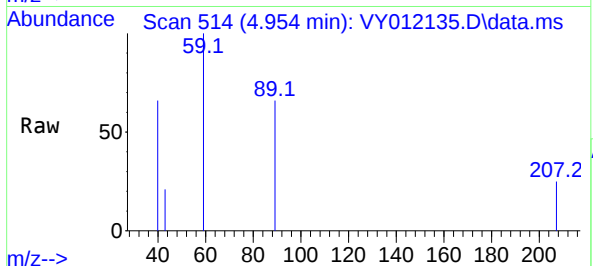




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

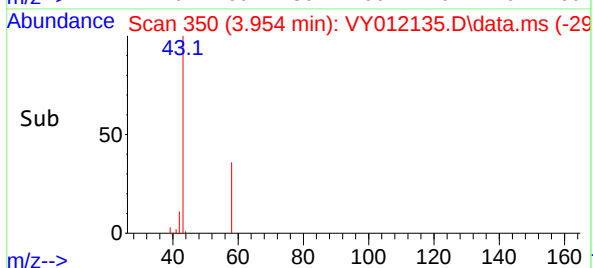
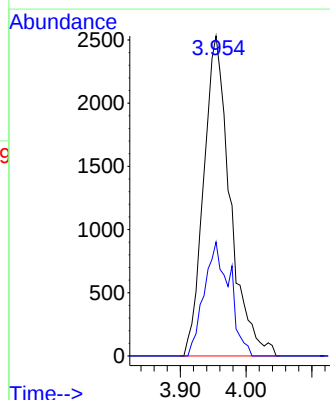
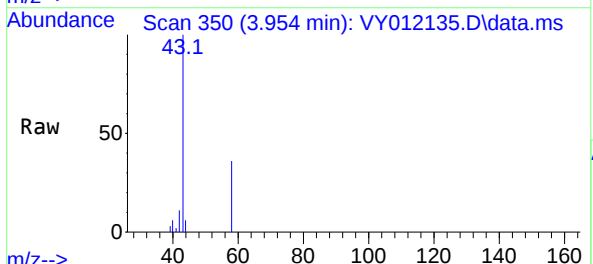
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-010923

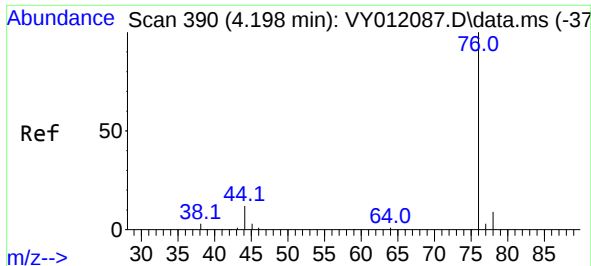
Tgt Ion: 59 Resp: 988
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 14.940 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Tgt Ion: 43 Resp: 7087
Ion Ratio Lower Upper
43 100
58 35.6 27.9 41.9

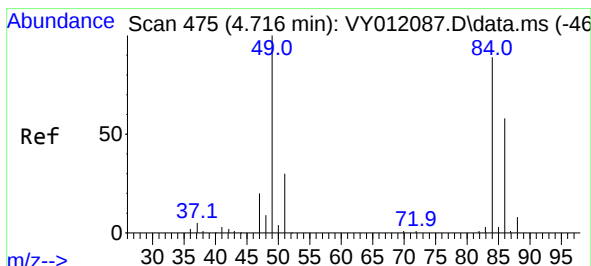
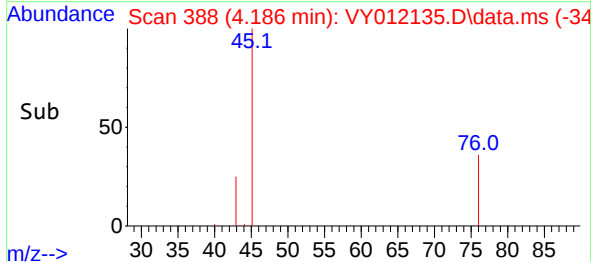
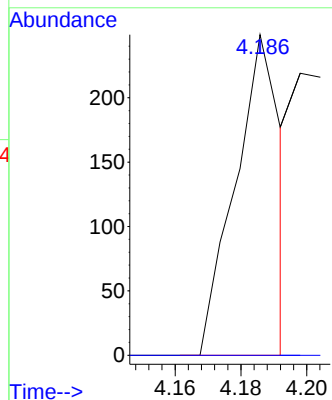
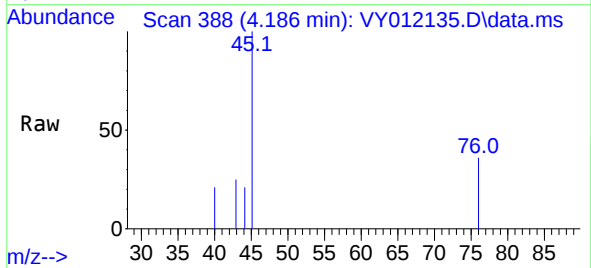




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. -0.012 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

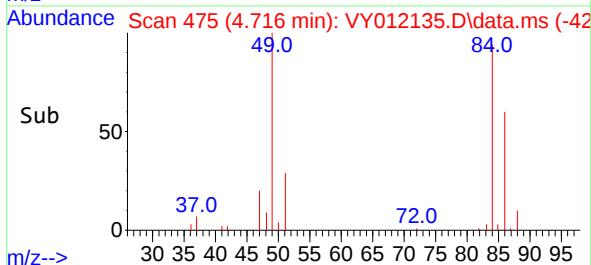
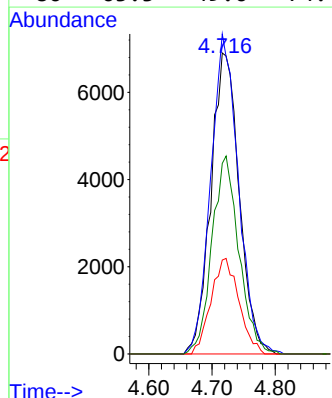
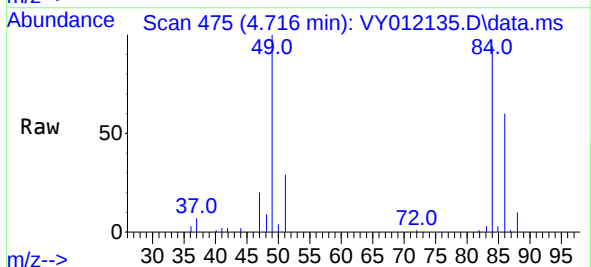
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-010923

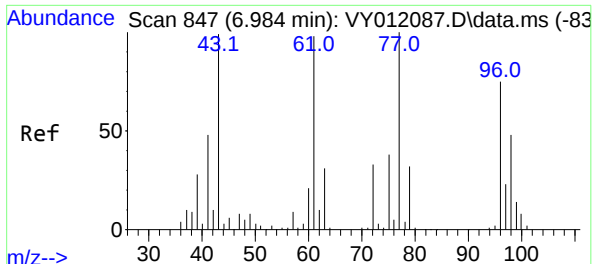
Tgt Ion: 76 Resp: 241
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 5.434 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Tgt Ion: 84 Resp: 21475
Ion Ratio Lower Upper
84 100
49 106.3 95.4 143.2
51 31.2 29.9 44.9
86 63.3 49.6 74.4





#25

2-Butanone

Concen: 1.716 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012135.D

Acq: 10 Jan 2023 12:34

Instrument :

MSVOA_Y

ClientSampleId :

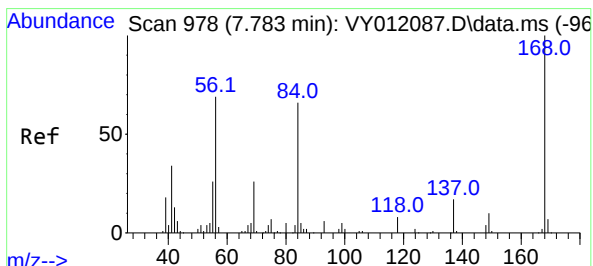
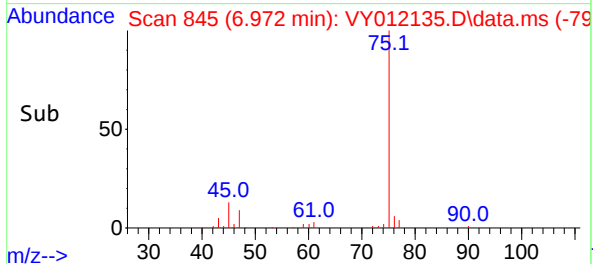
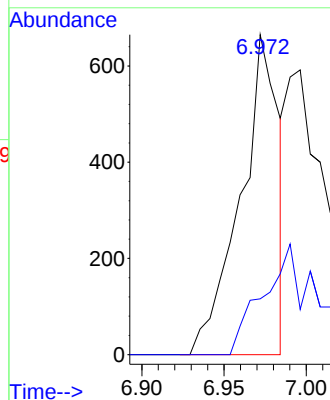
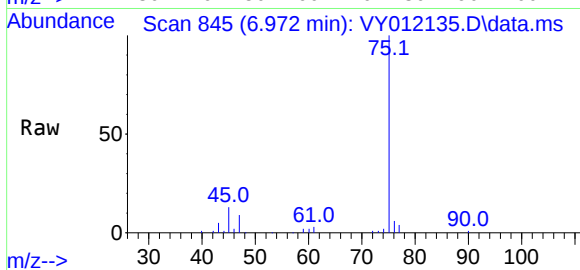
BU-03-010923

Tgt Ion: 43 Resp: 1074

Ion Ratio Lower Upper

43 100

72 17.4 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012135.D

Acq: 10 Jan 2023 12:34

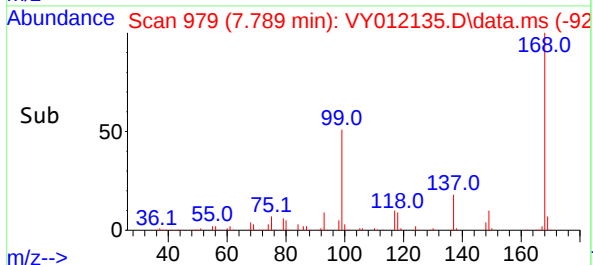
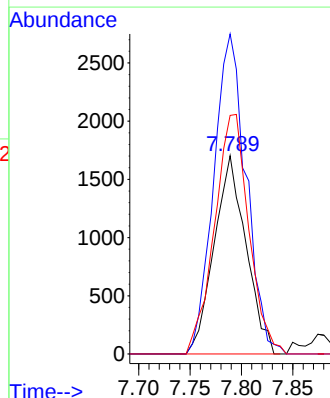
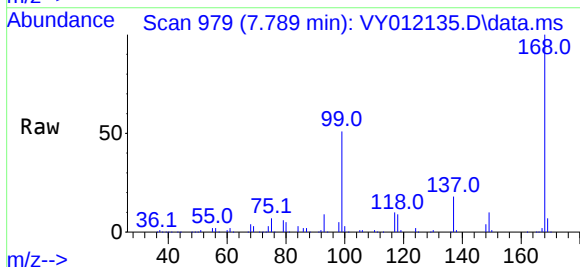
Tgt Ion: 56 Resp: 3670

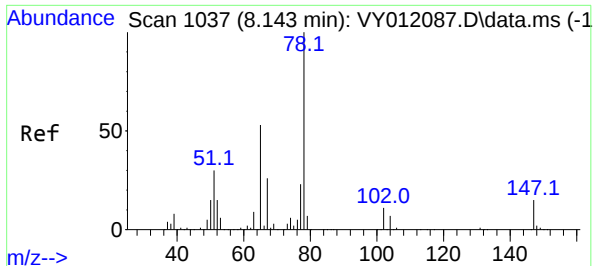
Ion Ratio Lower Upper

56 100

69 161.4 29.2 43.8#

84 120.3 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 50.897 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012135.D

Acq: 10 Jan 2023 12:34

Instrument :

MSVOA_Y

ClientSampleId :

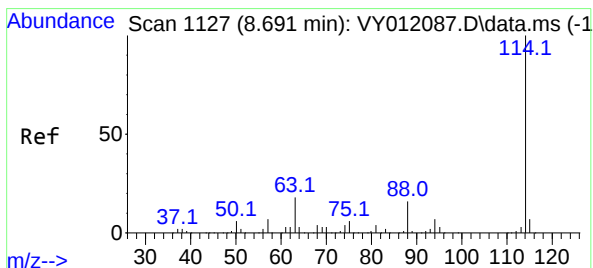
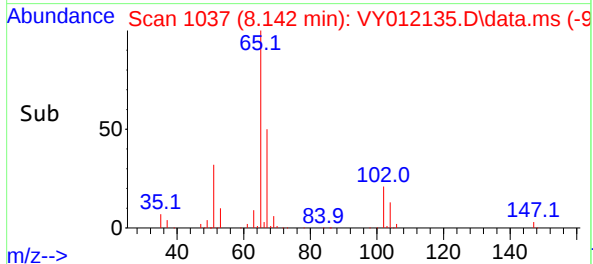
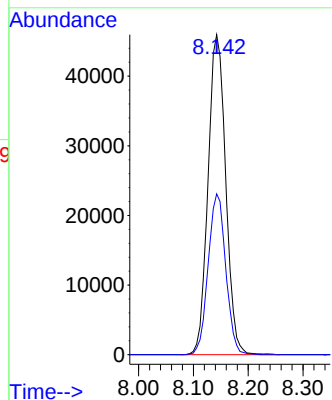
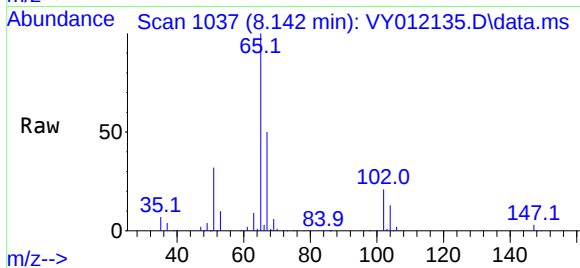
BU-03-010923

Tgt Ion: 65 Resp: 102638

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012135.D

Acq: 10 Jan 2023 12:34

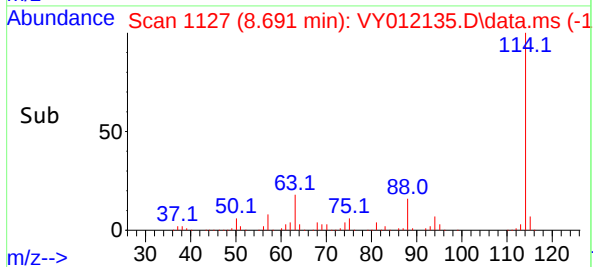
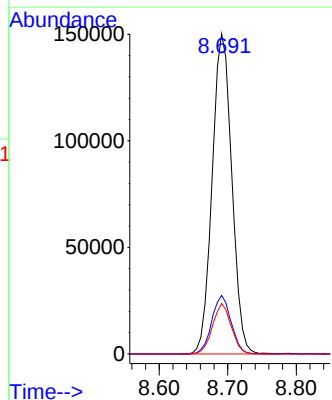
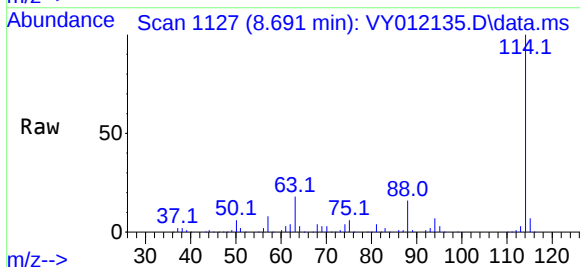
Tgt Ion:114 Resp: 298900

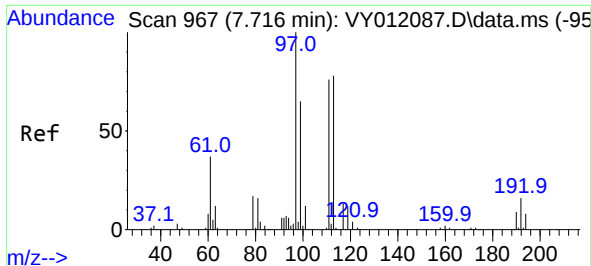
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.8 0.0 32.2

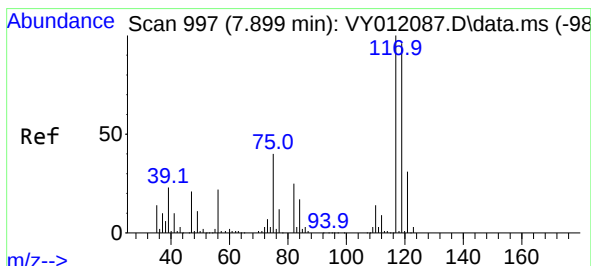
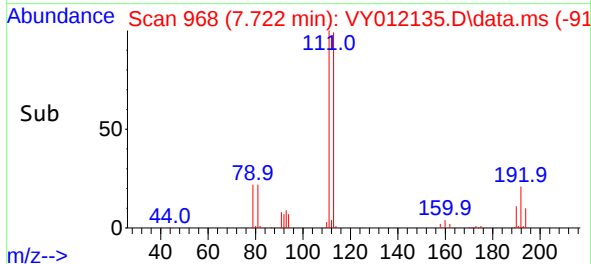
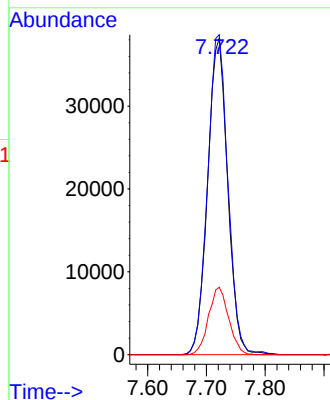
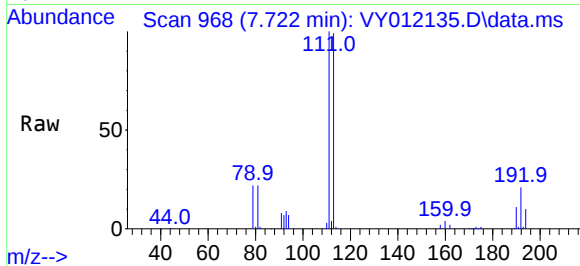




#35
Dibromofluoromethane
Concen: 46.028 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

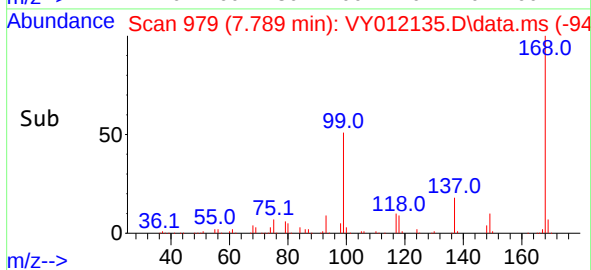
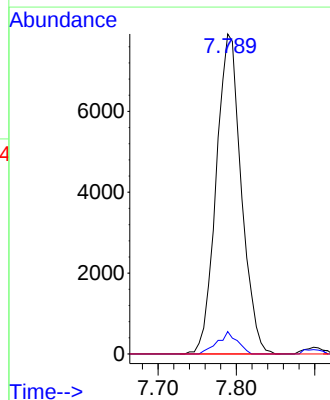
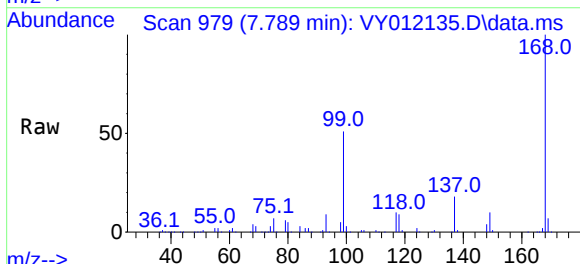
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-010923

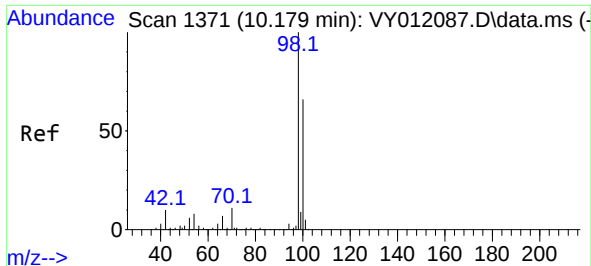
Tgt Ion:113 Resp: 90427
Ion Ratio Lower Upper
113 100
111 102.9 83.0 124.4
192 21.4 16.0 24.0



#38
Carbon Tetrachloride
Concen: 4.650 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Tgt Ion:117 Resp: 17593
Ion Ratio Lower Upper
117 100
119 7.0 73.8 110.8#
121 0.0 25.2 37.8#

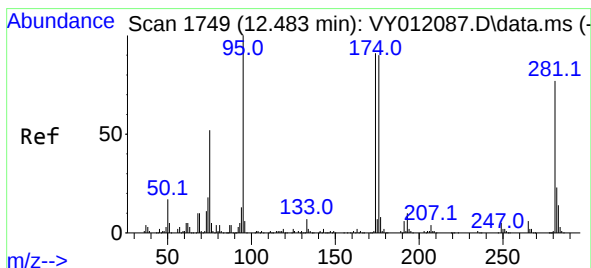
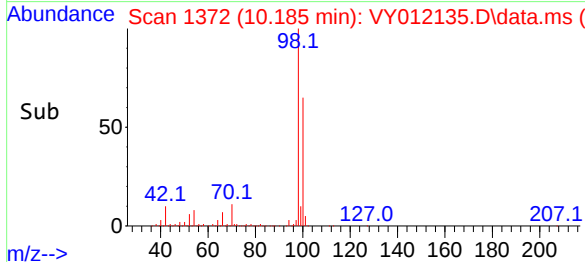
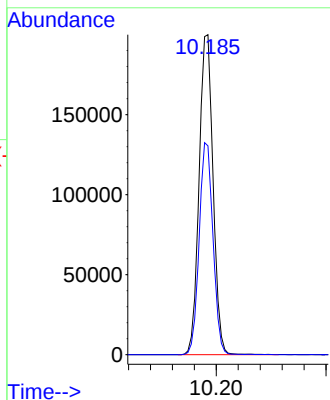
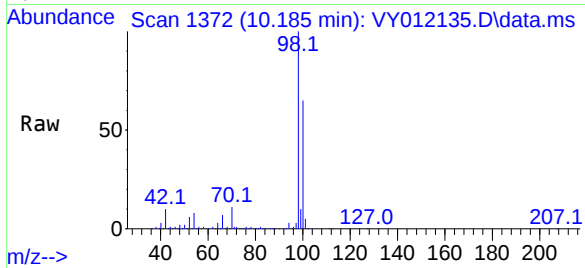




#50
Toluene-d8
Concen: 45.686 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

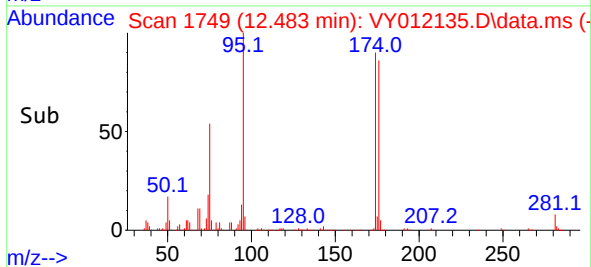
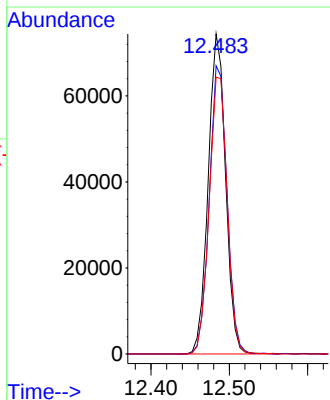
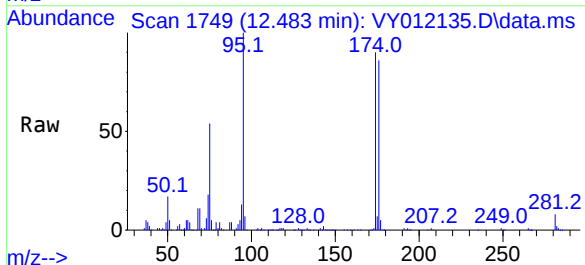
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-010923

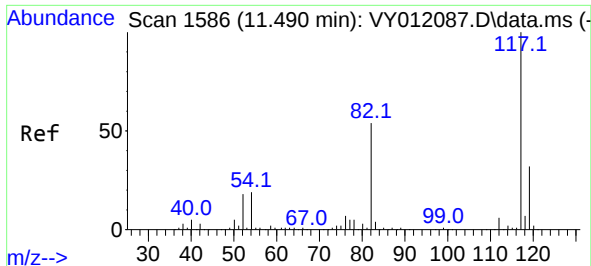
Tgt Ion: 98 Resp: 354269
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.326 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Tgt Ion: 95 Resp: 114726
Ion Ratio Lower Upper
95 100
174 91.7 0.0 172.0
176 89.8 0.0 167.6

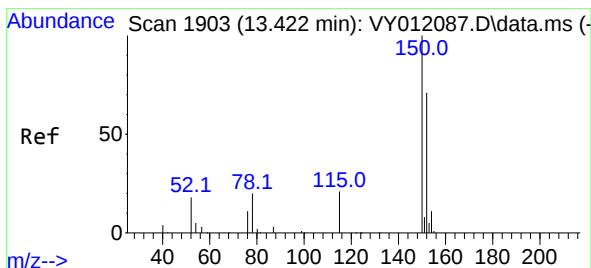
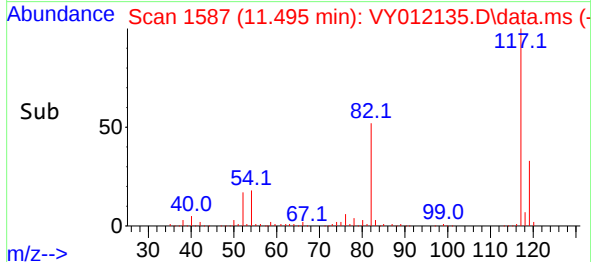
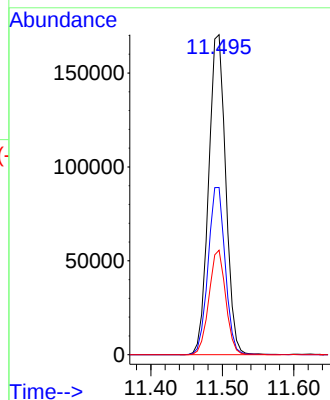
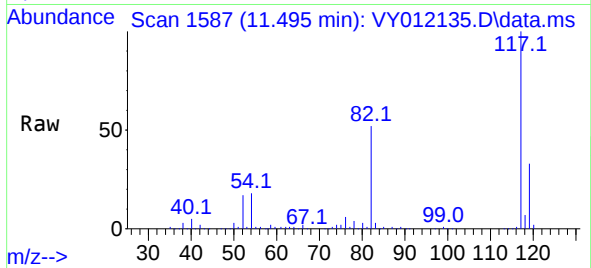




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

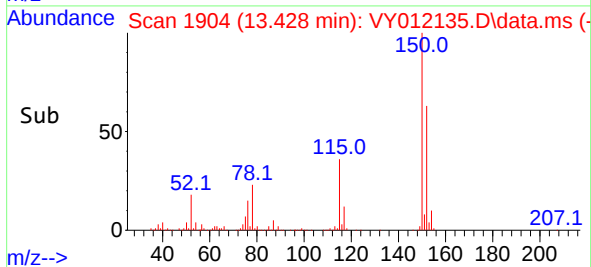
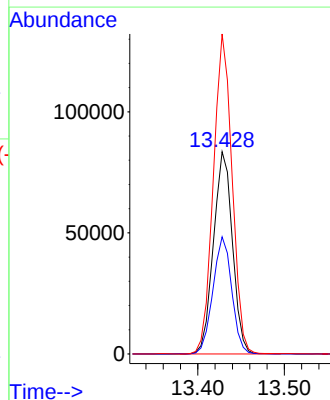
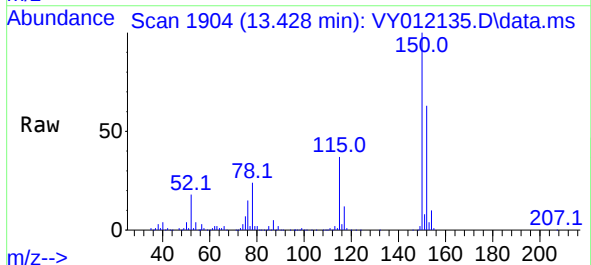
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-010923

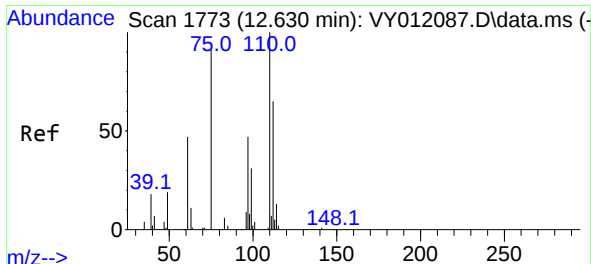
Tgt Ion:117 Resp: 283001
Ion Ratio Lower Upper
117 100
82 52.3 44.8 67.2
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Tgt Ion:152 Resp: 127148
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 156.6 0.0 342.6

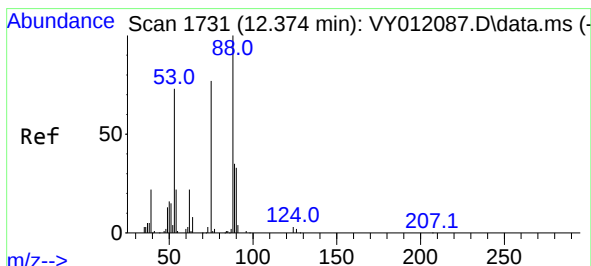
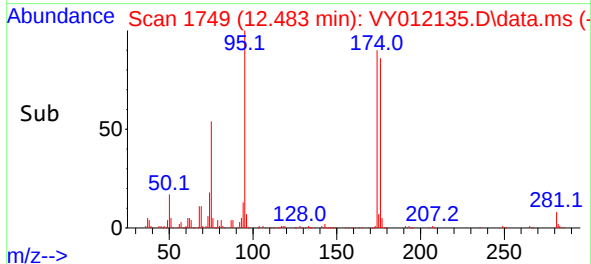
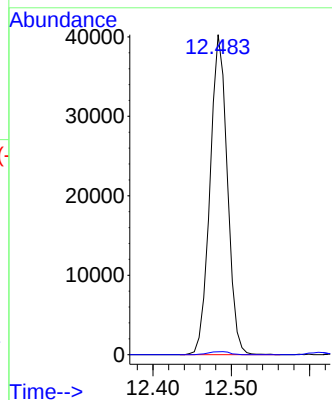
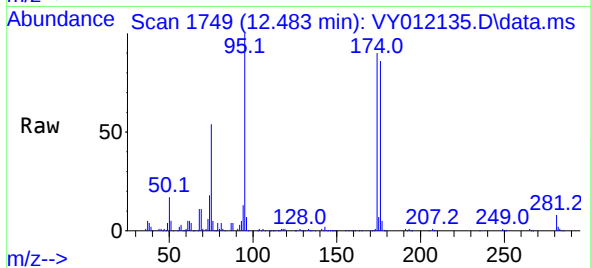




#76
1,2,3-Trichloropropane
Concen: 42.591 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Instrument :
MSVOA_Y
ClientSampleId :
BU-03-010923

Tgt Ion: 75 Resp: 61833
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.589 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012135.D
Acq: 10 Jan 2023 12:34

Tgt Ion: 75 Resp: 61833
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

