

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011620.D
 Acq On : 29 Nov 2022 14:23
 Operator : KP/MD
 Sample : N5796-04
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-N

Quant Time: Nov 30 04:43:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

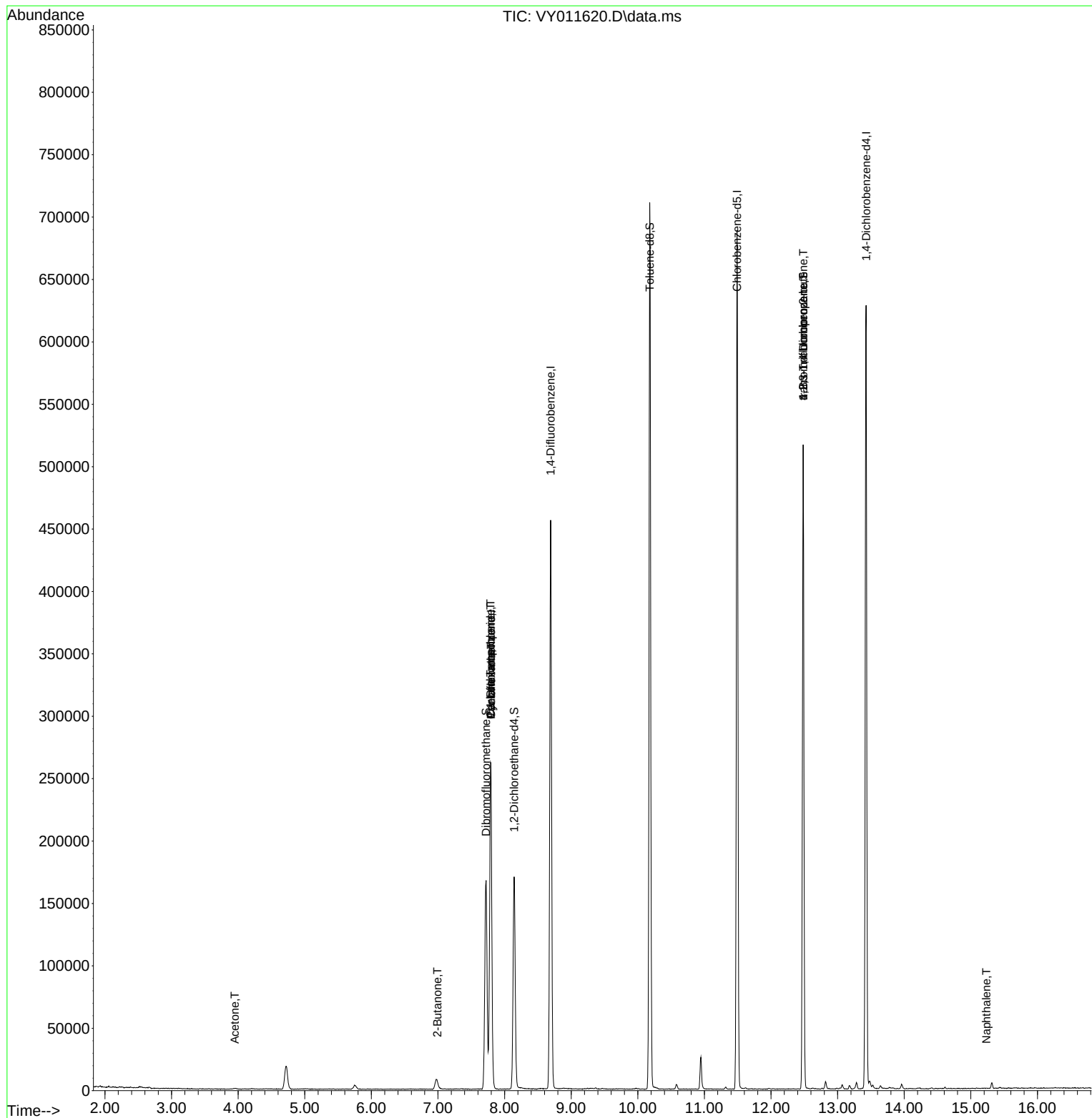
Internal Standards						
1) Pentafluorobenzene	7.795	168	201410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	372946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	134622	65.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.660%	
35) Dibromofluoromethane	7.722	113	118983	51.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.660%	
50) Toluene-d8	10.179	98	456123	54.672	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.340%	
62) 4-Bromofluorobenzene	12.483	95	152464	49.428	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.860%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	136	Below Cal	#	43
3) Chloromethane	2.119	50	297	Below Cal	#	86
5) Bromomethane	2.668	94	187	Below Cal	#	70
11) Tert butyl alcohol	4.948	59	382	Below Cal	#	77
16) Acetone	3.948	43	1071	1.612	ug/l	93
18) Methyl Acetate	4.479	43	475	Below Cal	#	56
20) Methylene Chloride	4.716	84	13896	Below Cal	#	84
25) 2-Butanone	6.990	43	1672	1.915	ug/l	# 89
31) Cyclohexane	7.795	56	4540	1.339	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	15867	4.421	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	20810	5.183	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	80315	46.096	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	80315	100.965	ug/l	# 7
95) Naphthalene	15.233	128	295	4.068	ug/l	# 69

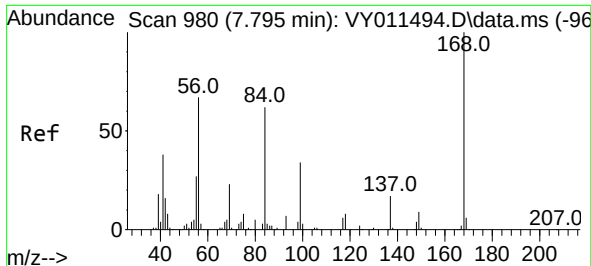
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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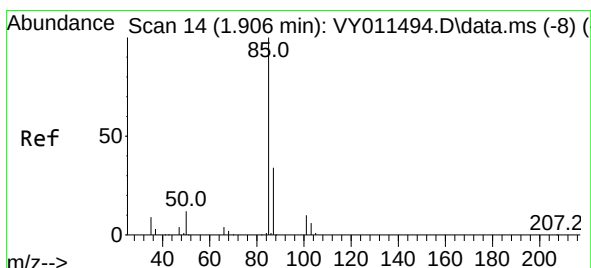
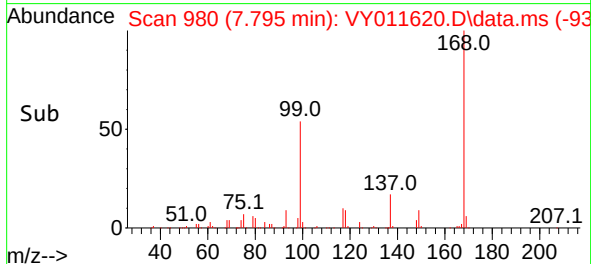
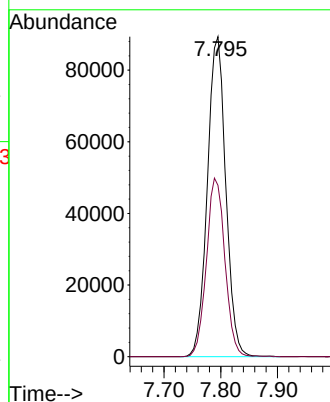
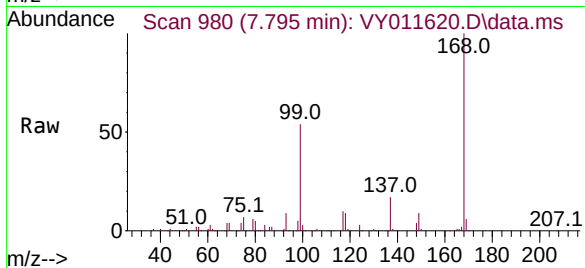




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

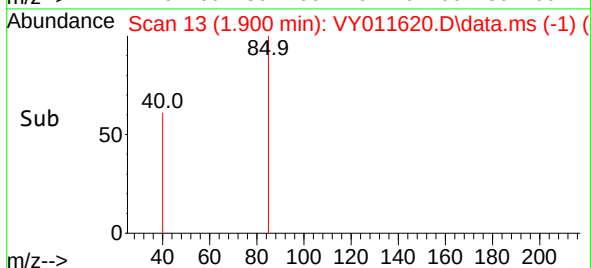
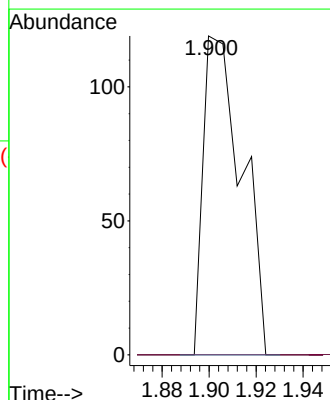
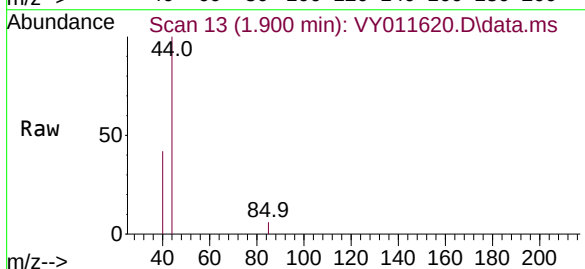
Instrument :
MSVOA_Y
ClientSampleId :
TP-N

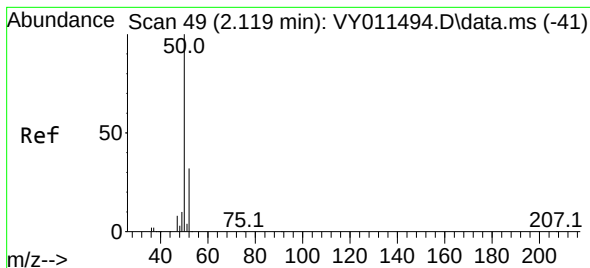
Tgt Ion:168 Resp: 201410
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Tgt Ion: 85 Resp: 136
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.000 min

Lab File: VY011620.D

Acq: 29 Nov 2022 14:23

Instrument :

MSVOA_Y

ClientSampleId :

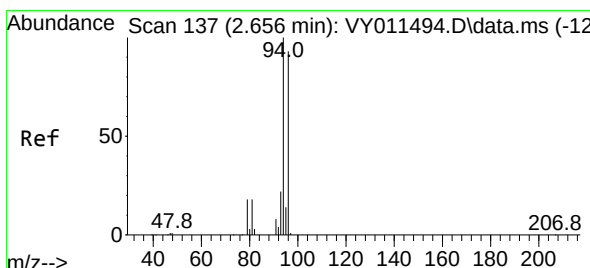
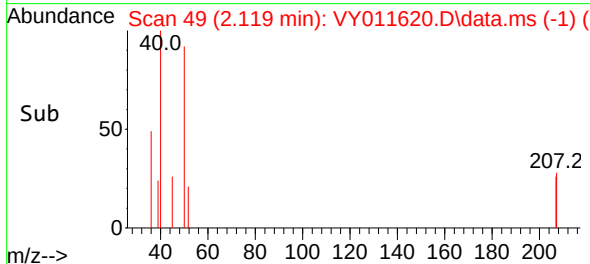
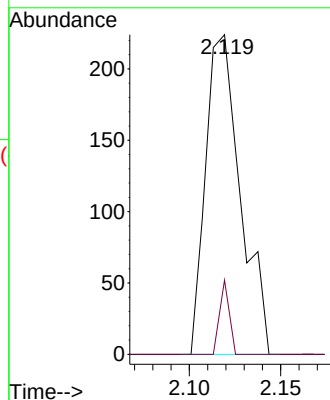
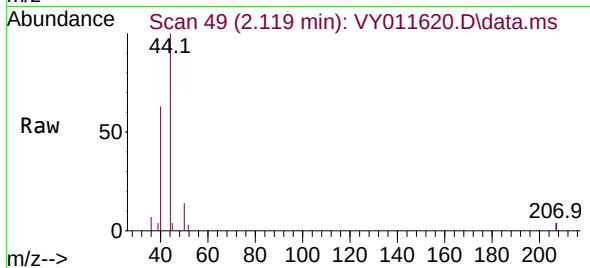
TP-N

Tgt Ion: 50 Resp: 297

Ion Ratio Lower Upper

50 100

52 23.2 24.6 37.0#



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.012 min

Lab File: VY011620.D

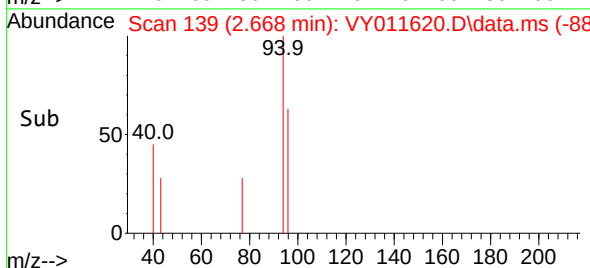
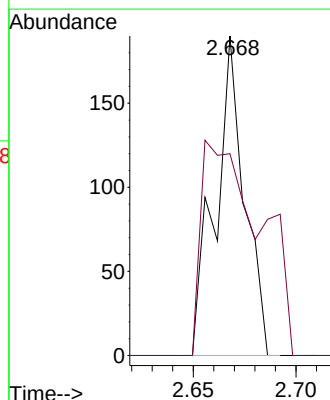
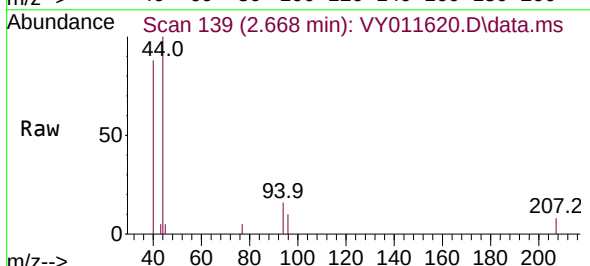
Acq: 29 Nov 2022 14:23

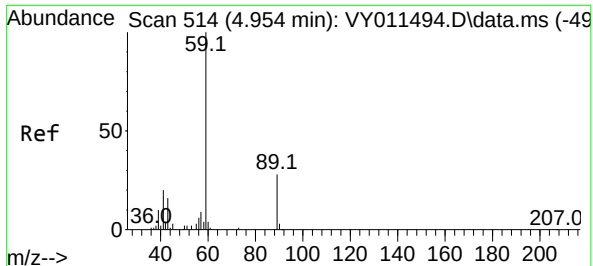
Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

94 100

96 63.2 73.5 110.3#

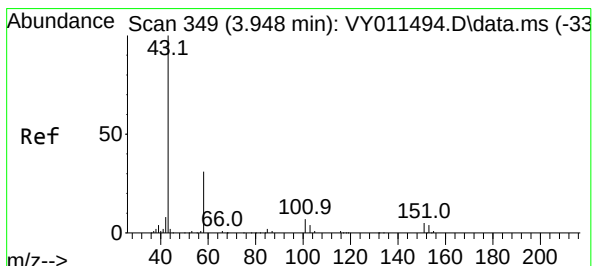
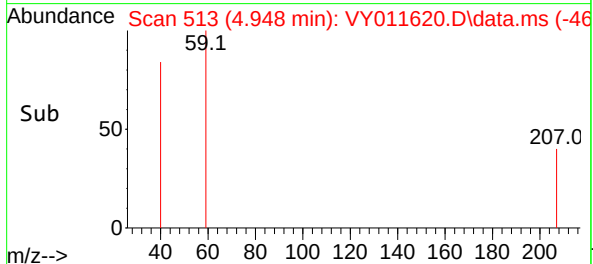
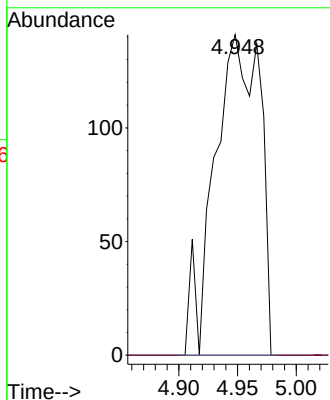
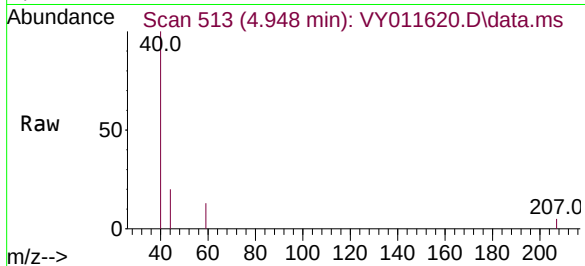




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

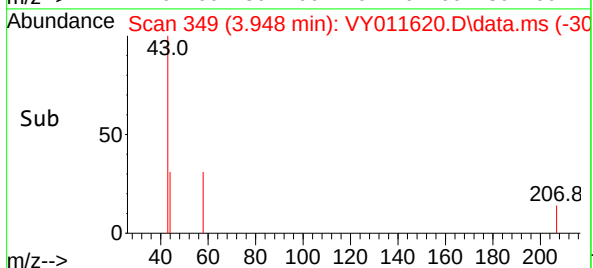
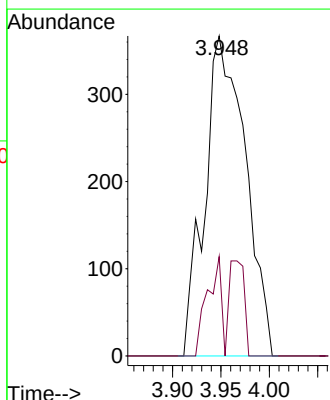
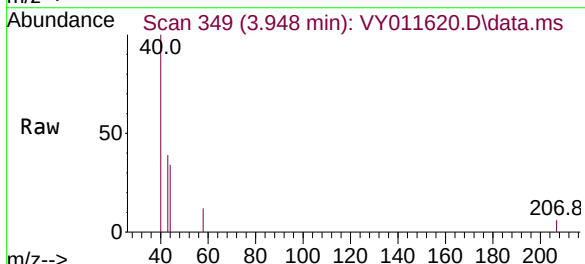
Instrument :
MSVOA_Y
ClientSampleId :
TP-N

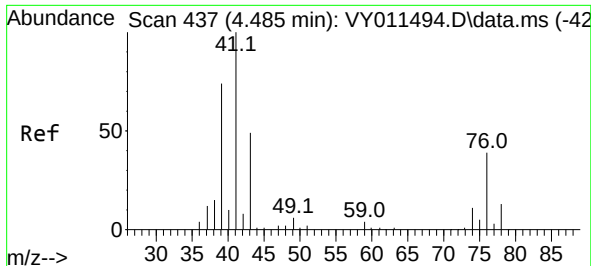
Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.612 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 31.1 22.0 33.0

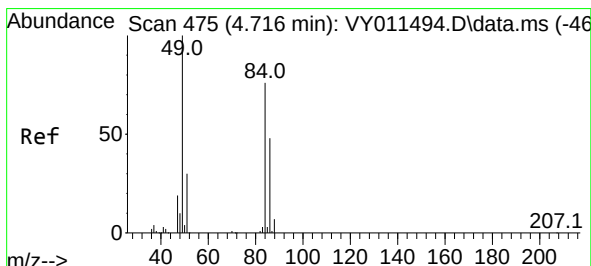
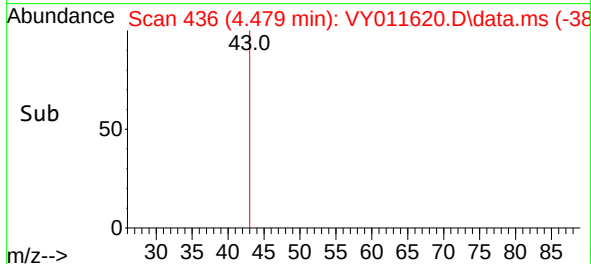
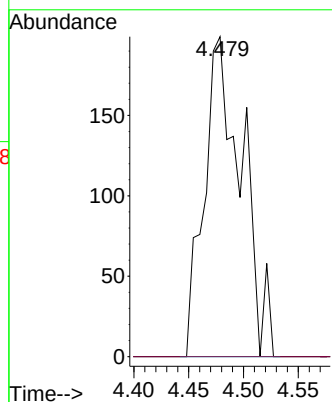
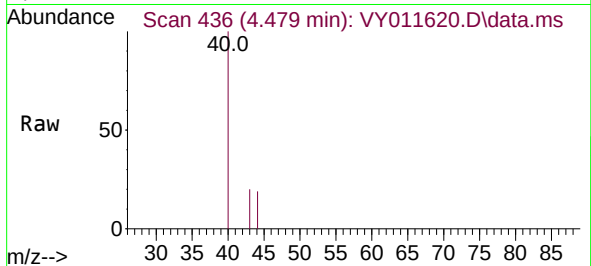




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

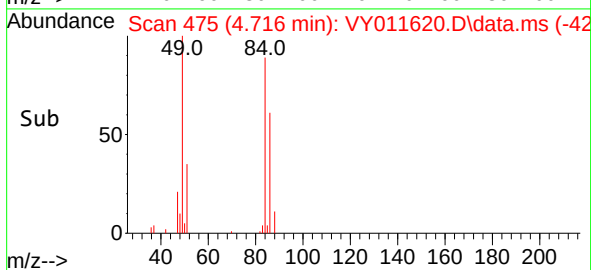
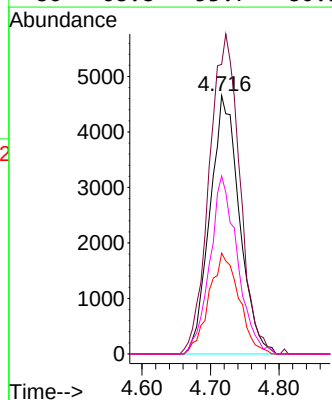
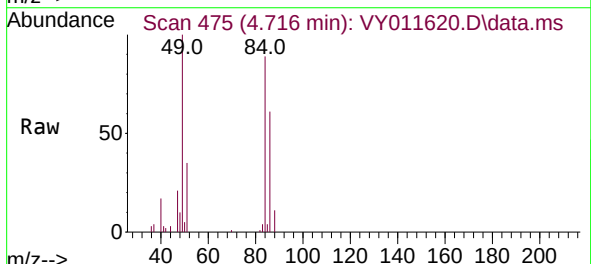
Instrument :
MSVOA_Y
ClientSampleId :
TP-N

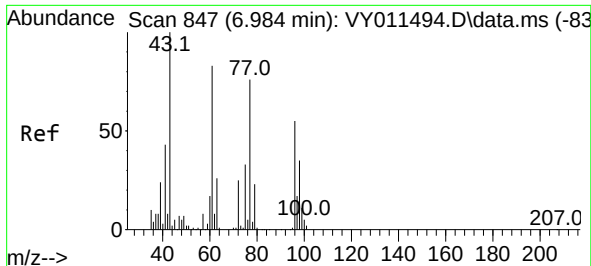
Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Tgt Ion: 84 Resp: 13896
Ion Ratio Lower Upper
84 100
49 112.1 114.4 171.6#
51 39.0 35.3 52.9
86 68.8 53.7 80.5

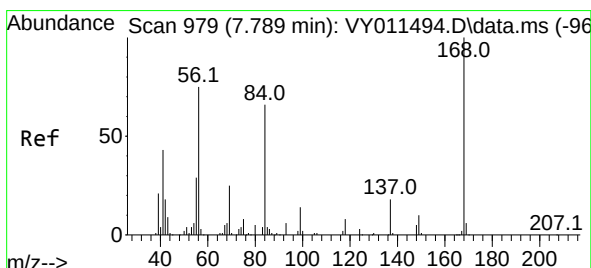
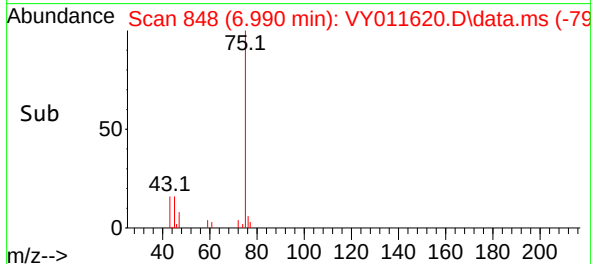
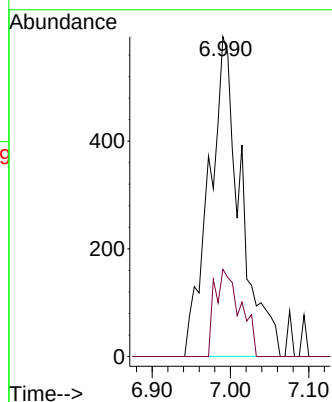
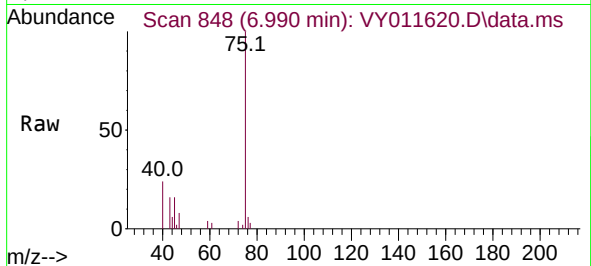




#25
2-Butanone
Concen: 1.915 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

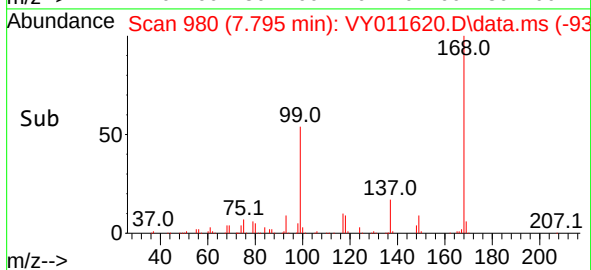
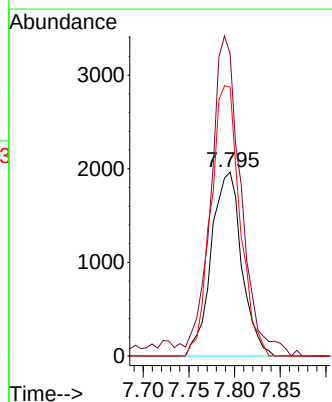
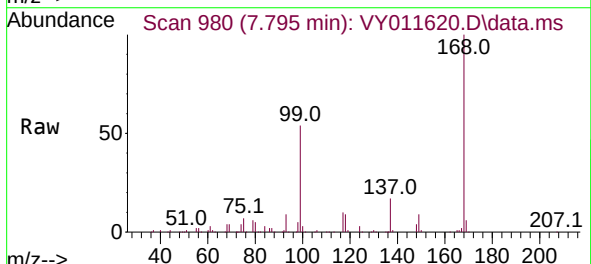
Instrument :
MSVOA_Y
ClientSampleId :
TP-N

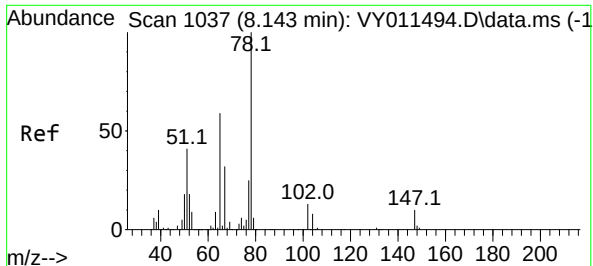
Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
72 27.3 17.7 26.5#



#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Tgt Ion: 56 Resp: 4540
Ion Ratio Lower Upper
56 100
69 157.8 26.7 40.1#
84 146.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.826 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011620.D

Acq: 29 Nov 2022 14:23

Instrument :

MSVOA_Y

ClientSampleId :

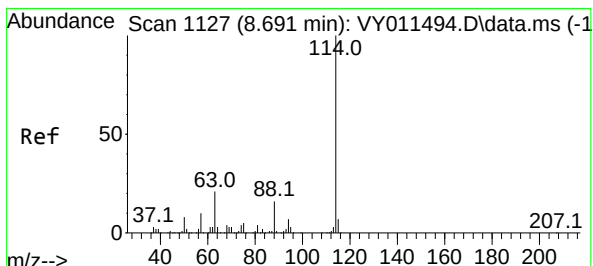
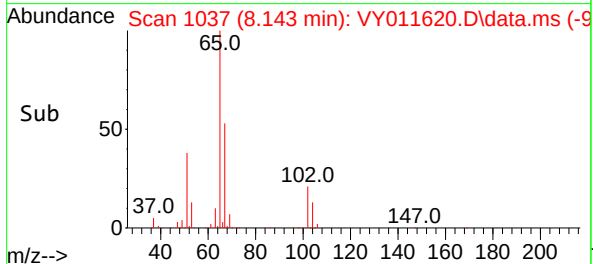
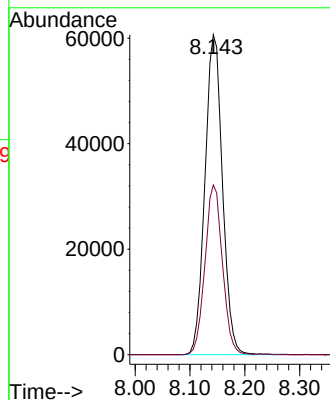
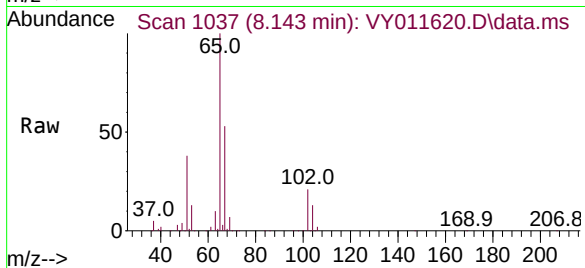
TP-N

Tgt Ion: 65 Resp: 134622

Ion Ratio Lower Upper

65 100

67 52.7 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: VY011620.D

Acq: 29 Nov 2022 14:23

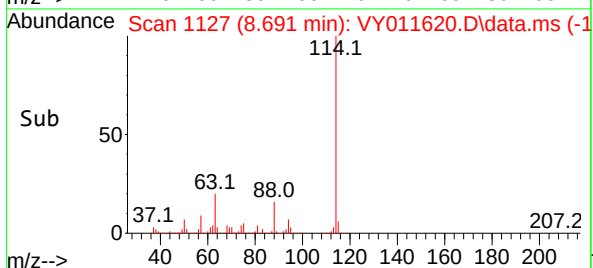
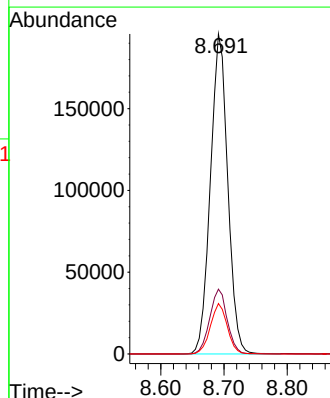
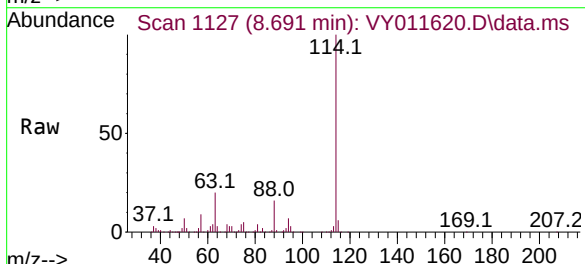
Tgt Ion: 114 Resp: 372946

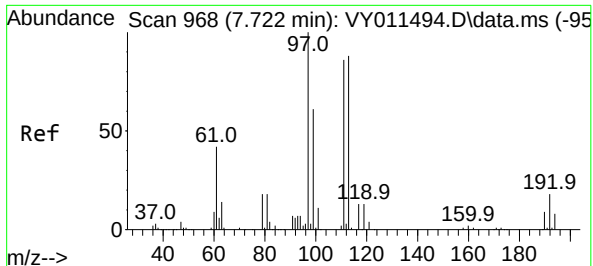
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

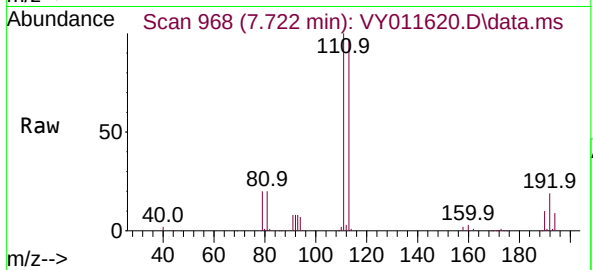
88 15.7 0.0 31.8



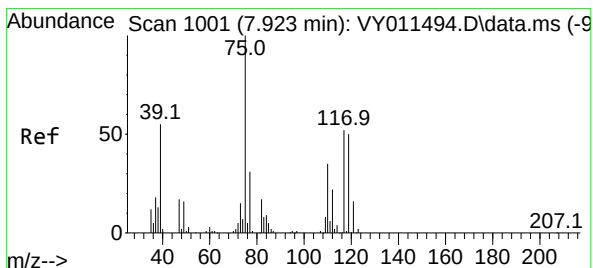
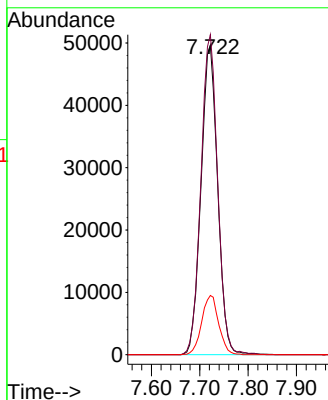
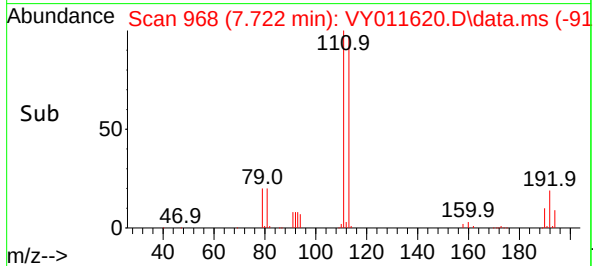


#35
Dibromofluoromethane
Concen: 51.826 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

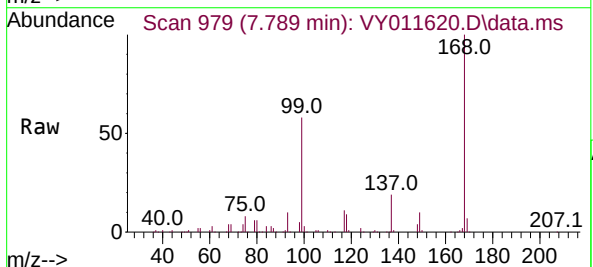
Instrument :
MSVOA_Y
ClientSampleId :
TP-N



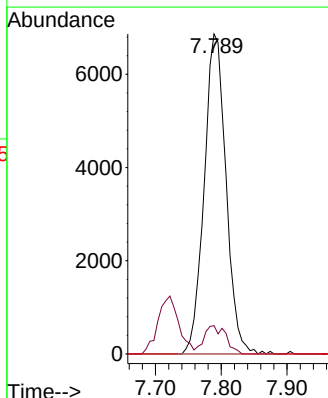
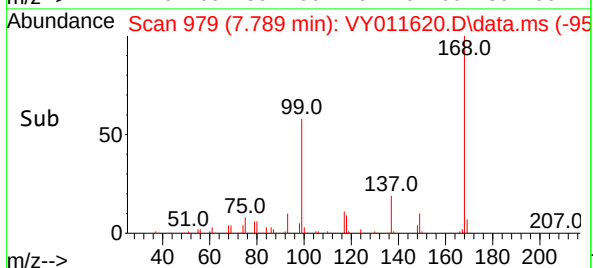
Tgt Ion:113 Resp: 118983
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 19.5 17.6 26.4

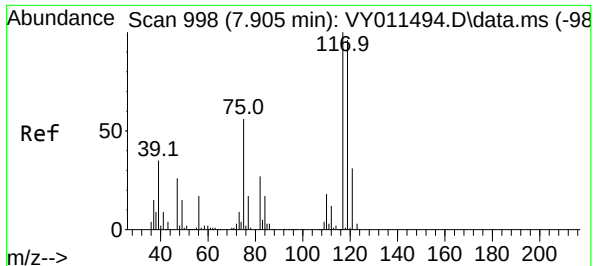


#36
1,1-Dichloropropene
Concen: 4.421 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23



Tgt Ion: 75 Resp: 15867
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

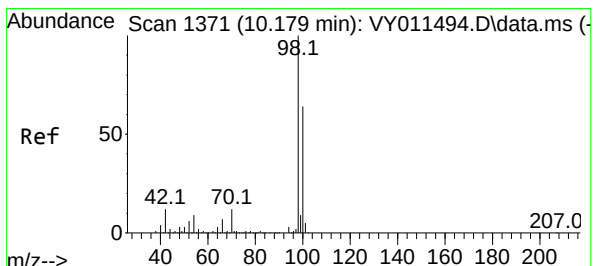
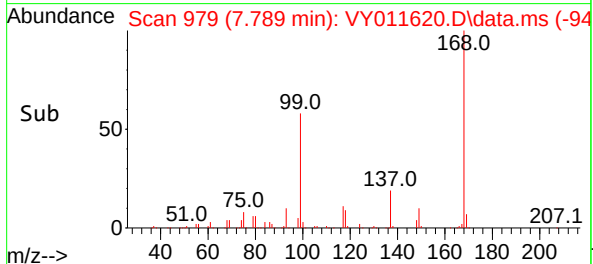
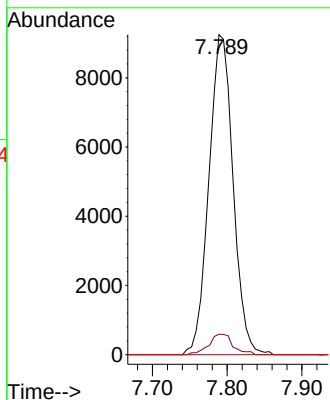
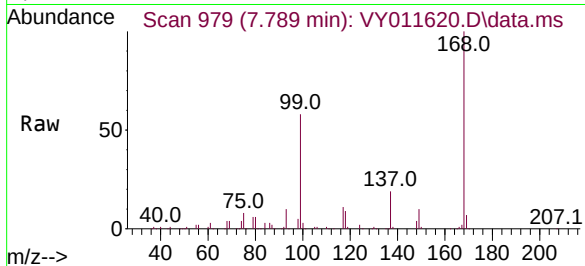




#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

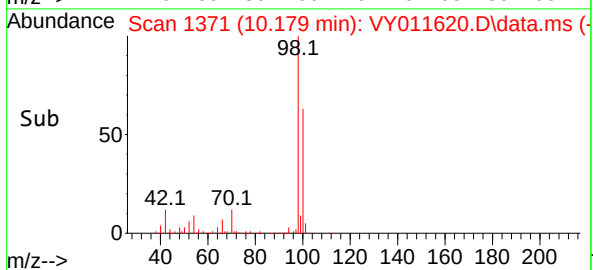
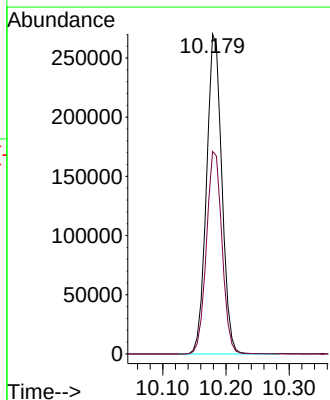
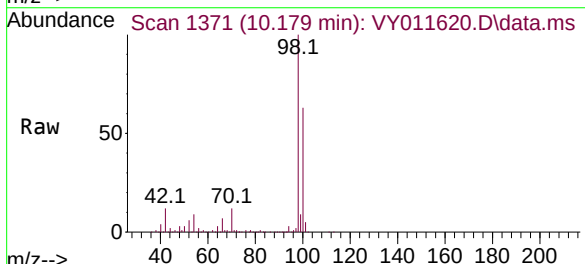
Instrument :
MSVOA_Y
ClientSampleId :
TP-N

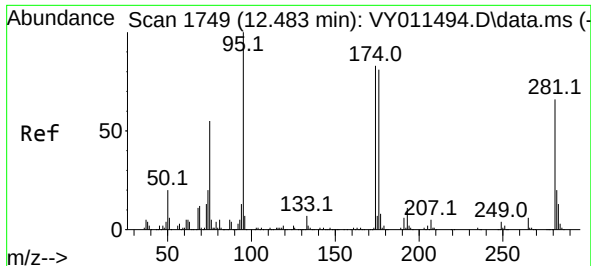
Tgt Ion:117 Resp: 20810
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.672 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Tgt Ion: 98 Resp: 456123
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

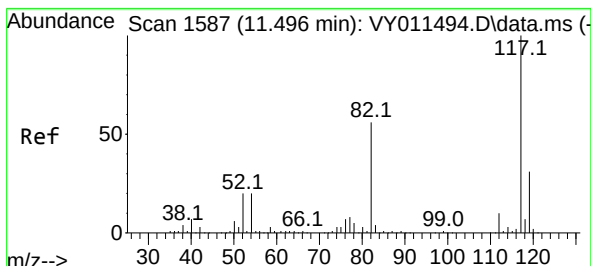
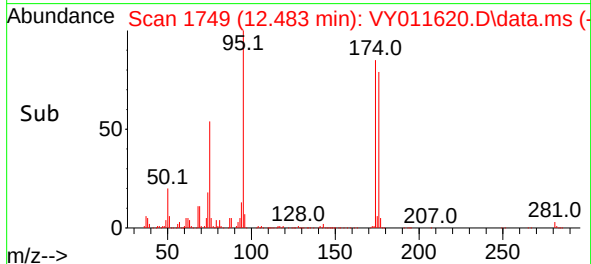
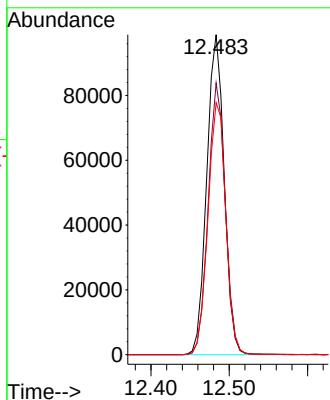
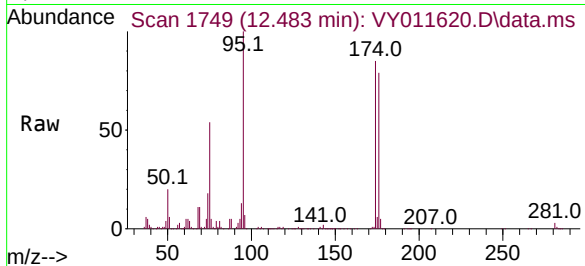




#62
4-Bromofluorobenzene
Concen: 49.428 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

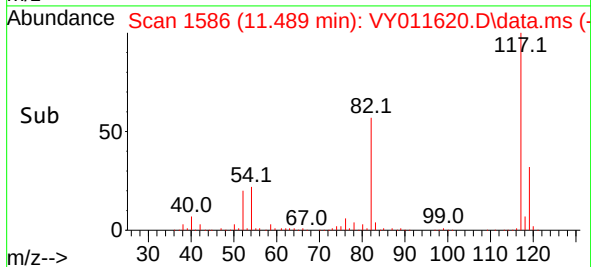
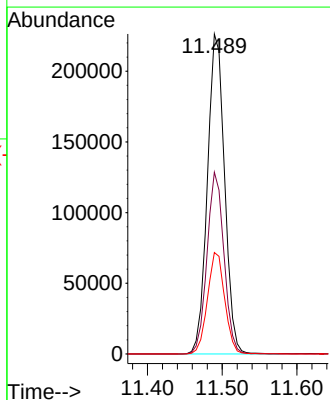
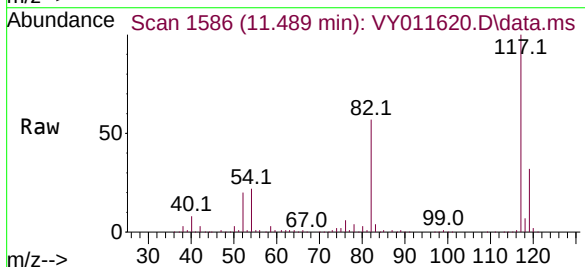
Instrument :
MSVOA_Y
ClientSampleId :
TP-N

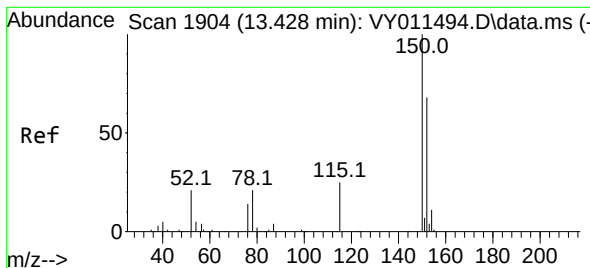
Tgt Ion: 95 Resp: 152464
Ion Ratio Lower Upper
95 100
174 83.7 0.0 177.0
176 80.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Tgt Ion: 117 Resp: 361468
Ion Ratio Lower Upper
117 100
82 56.8 43.0 64.4
119 31.7 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: VY011620.D

Acq: 29 Nov 2022 14:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-N

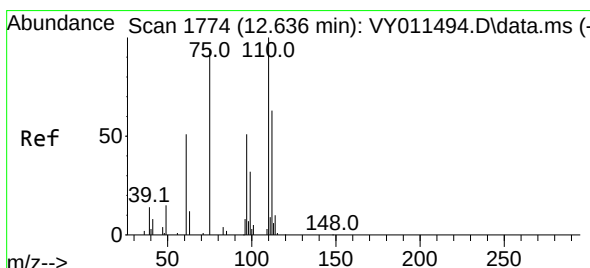
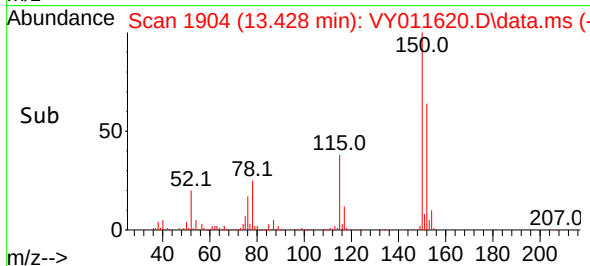
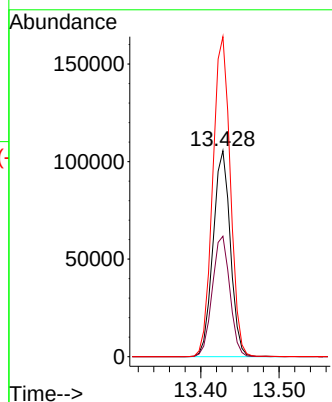
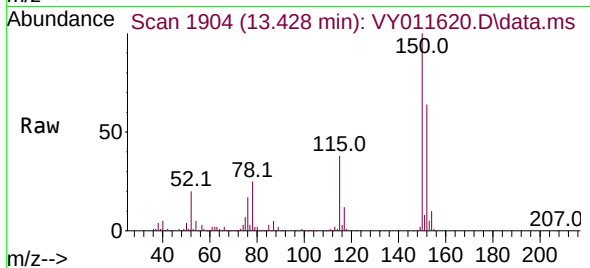
Tgt Ion:152 Resp: 161788

Ion Ratio Lower Upper

152 100

115 59.3 28.2 84.7

150 158.3 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 46.096 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011620.D

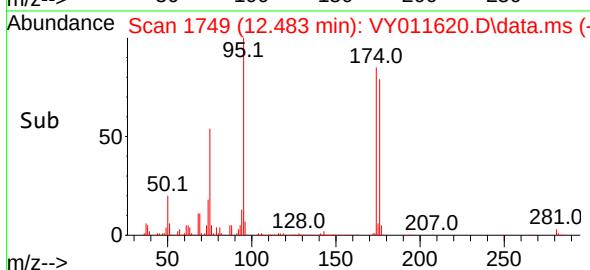
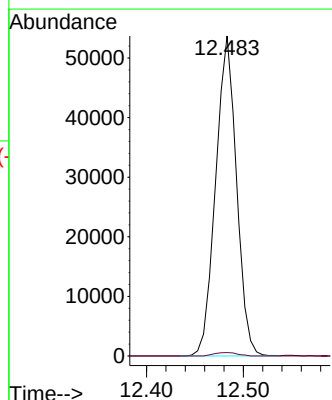
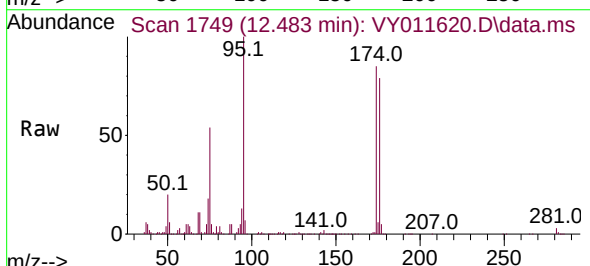
Acq: 29 Nov 2022 14:23

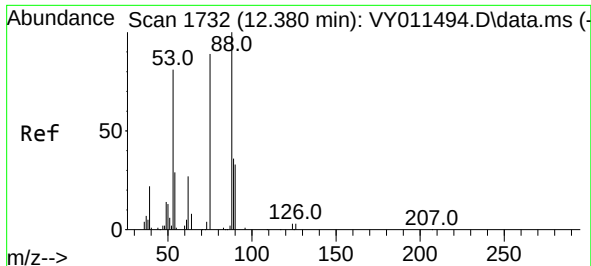
Tgt Ion: 75 Resp: 80315

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

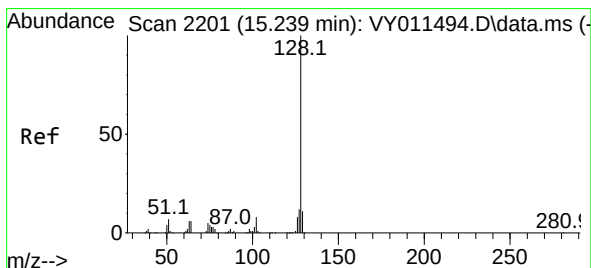
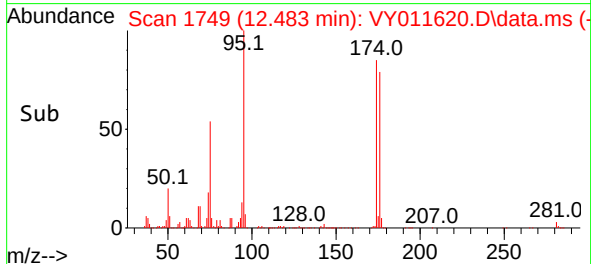
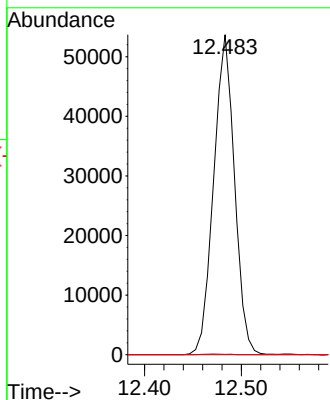
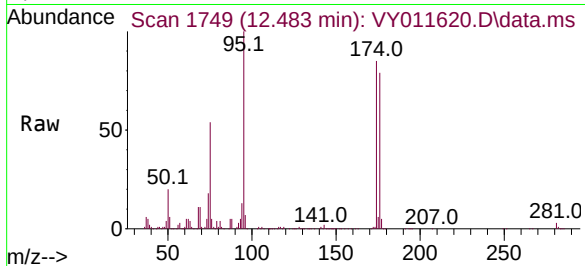




#81
trans-1,4-Dichloro-2-butene
Concen: 100.965 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Instrument :
MSVOA_Y
ClientSampleId :
TP-N

Tgt Ion: 75 Resp: 80315
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.068 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011620.D
Acq: 29 Nov 2022 14:23

Tgt Ion: 128 Resp: 295
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

