

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012163.D
 Acq On : 11 Jan 2023 15:12
 Operator : KP/MD
 Sample : 01124-01
 Misc : 4.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-C

Quant Time: Jan 12 05:50:18 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)

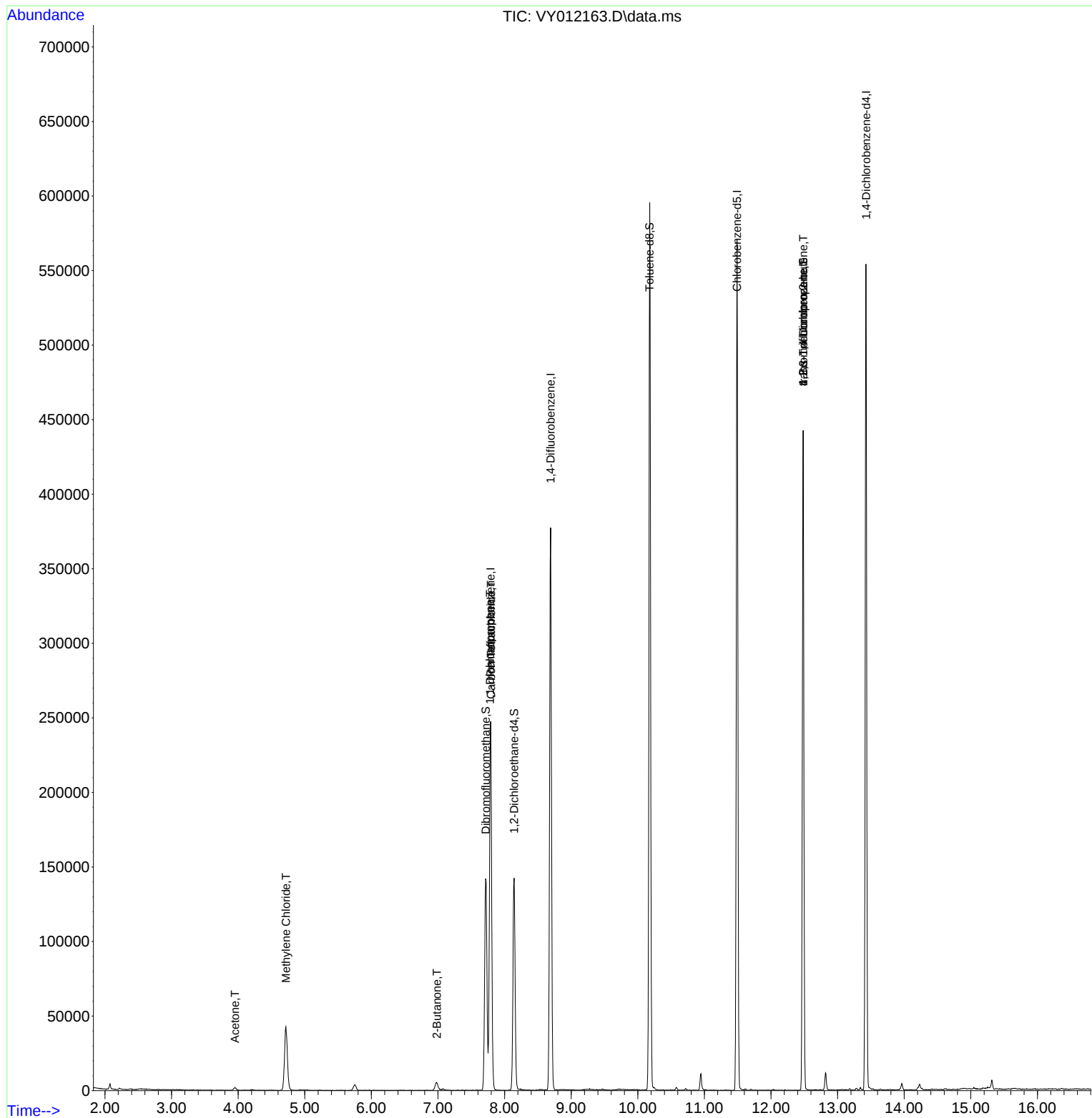
Internal Standards						
1) Pentafluorobenzene	7.789	168	197744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	316893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	118904	53.513	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.020%	
35) Dibromofluoromethane	7.716	113	101037	46.339	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.680%	
50) Toluene-d8	10.179	98	394109	45.794	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.580%	
62) 4-Bromofluorobenzene	12.483	95	133470	44.369	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.740%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52	Below Cal	#	41
3) Chloromethane	2.113	50	187	Below Cal	#	41
5) Bromomethane	2.662	94	133	Below Cal		85
11) Tert butyl alcohol	4.966	59	207	Below Cal	#	74
16) Acetone	3.954	43	3263	6.243	ug/l	89
17) Carbon Disulfide	4.204	76	53	Below Cal	#	75
20) Methylene Chloride	4.716	84	34016	10.748	ug/l	90
25) 2-Butanone	6.984	43	1368	1.984	ug/l #	75
31) Cyclohexane	7.789	56	3756	Below Cal	#	16
36) 1,1-Dichloropropene	7.783	75	13470	4.072	ug/l #	50
38) Carbon Tetrachloride	7.795	117	19765	4.707	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	69112	40.329	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69112	89.564	ug/l #	13

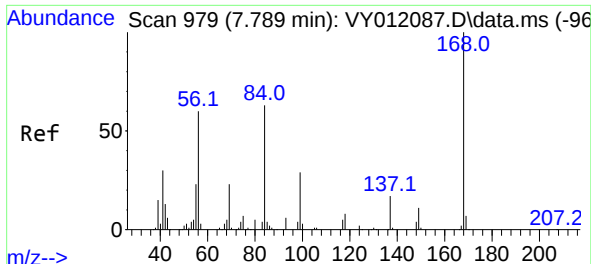
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
Data File : VY012163.D
Acq On : 11 Jan 2023 15:12
Operator : KP/MD
Sample : 01124-01
Misc : 4.20g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-C

Quant Time: Jan 12 05:50:18 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

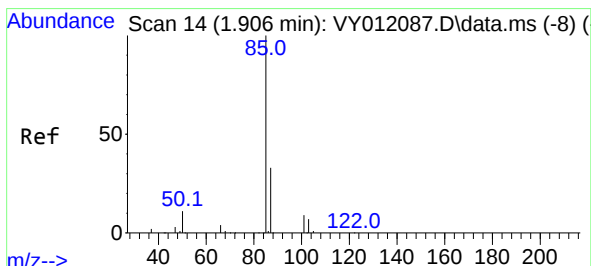
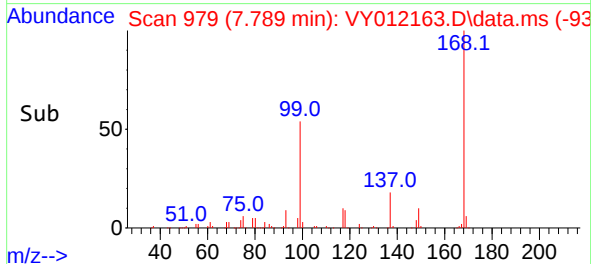
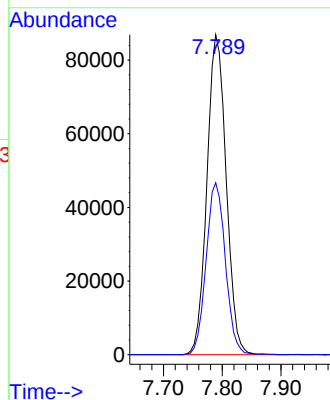
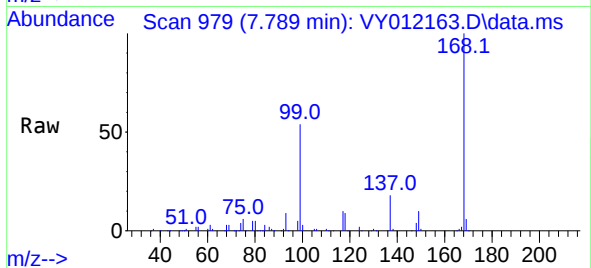




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

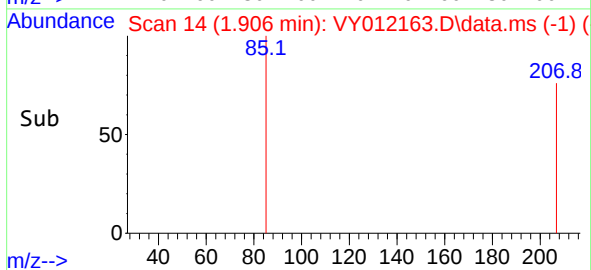
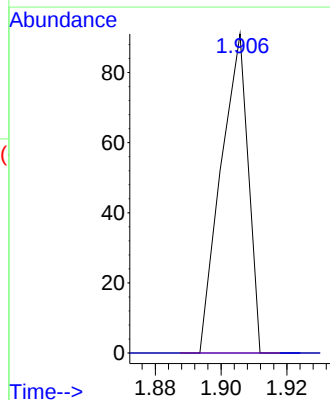
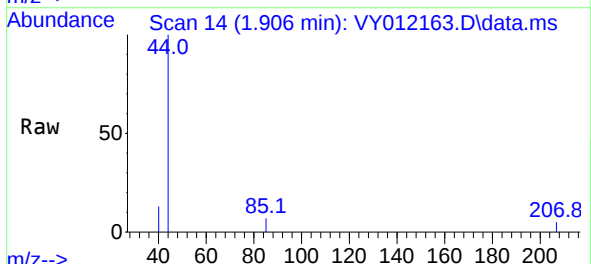
Instrument :
MSVOA_Y
ClientSampleId :
TP-C

Tgt Ion:168 Resp: 197744
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0

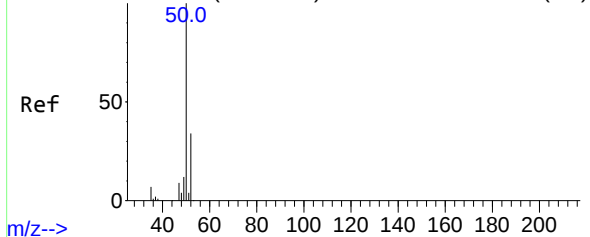


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

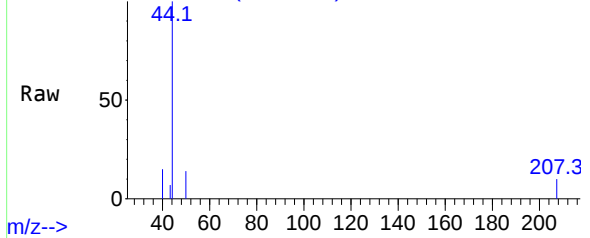
Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



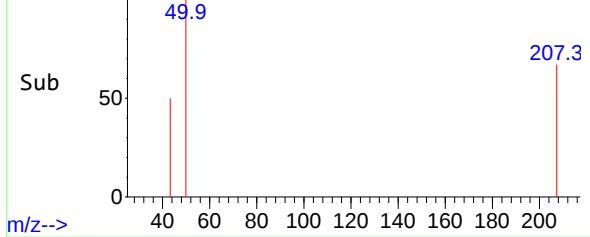
Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



Abundance Scan 48 (2.113 min): VY012163.D\data.ms



Abundance Scan 48 (2.113 min): VY012163.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.000 min

Lab File: VY012163.D

Acq: 11 Jan 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-C

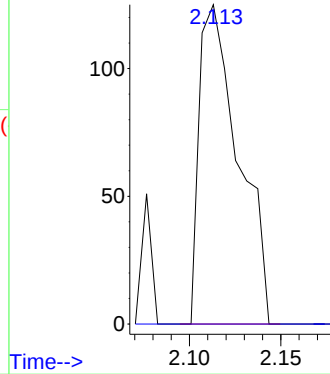
Tgt Ion: 50 Resp: 187

Ion Ratio Lower Upper

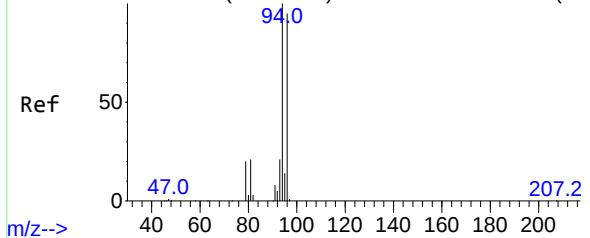
50 100

52 0.0 26.8 40.2#

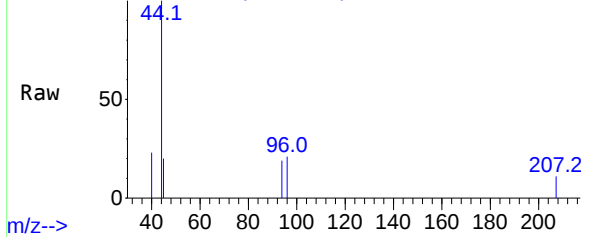
Abundance



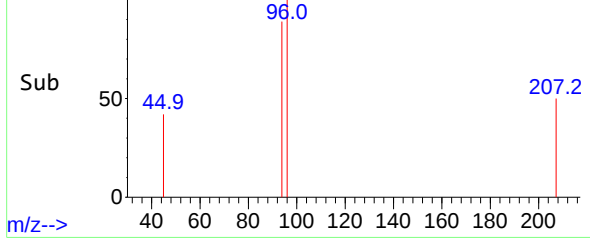
Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



Abundance Scan 138 (2.662 min): VY012163.D\data.ms



Abundance Scan 138 (2.662 min): VY012163.D\data.ms (-87)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012163.D

Acq: 11 Jan 2023 15:12

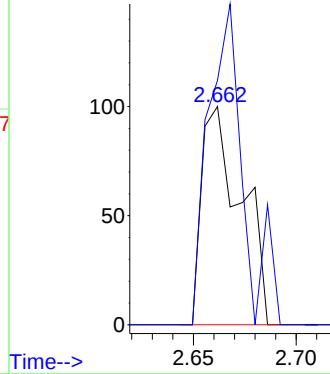
Tgt Ion: 94 Resp: 133

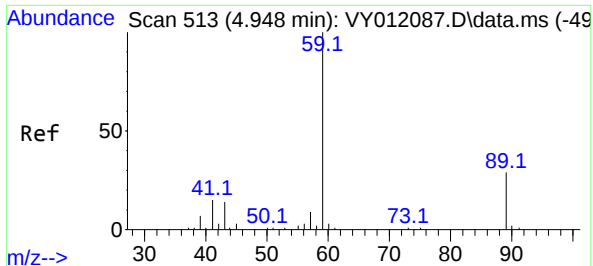
Ion Ratio Lower Upper

94 100

96 112.0 77.4 116.2

Abundance

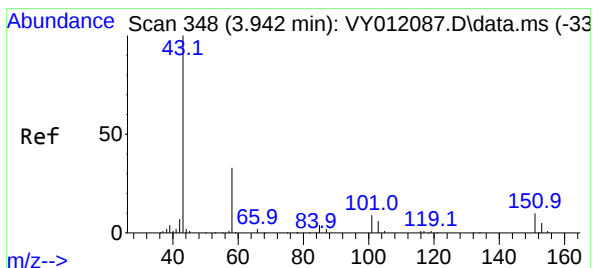
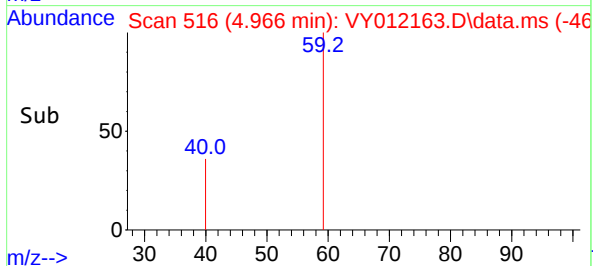
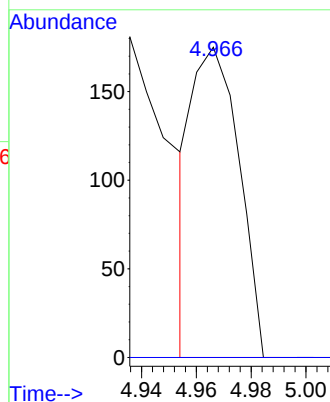
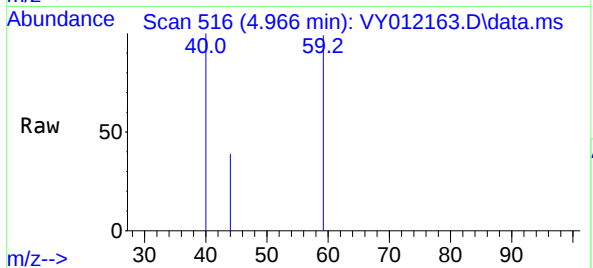




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

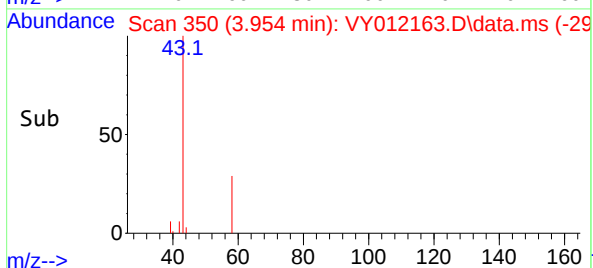
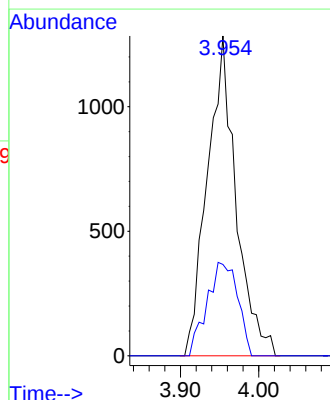
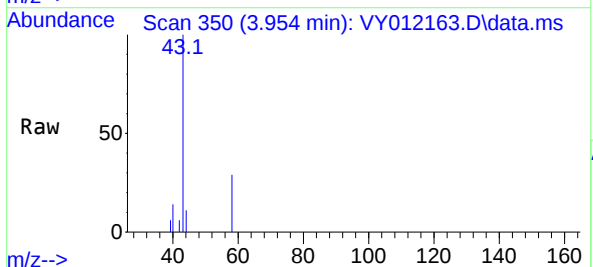
Instrument :
MSVOA_Y
ClientSampleId :
TP-C

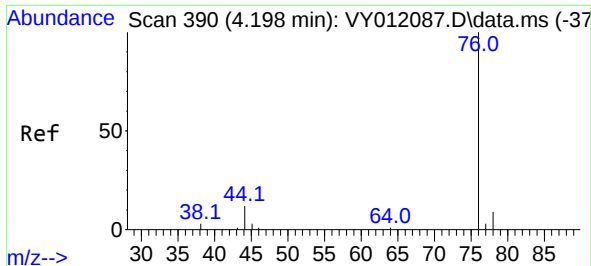
Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 6.243 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

Tgt Ion: 43 Resp: 3263
Ion Ratio Lower Upper
43 100
58 28.6 27.9 41.9





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY012163.D

Acq: 11 Jan 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

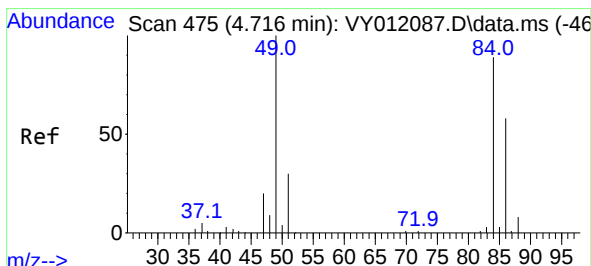
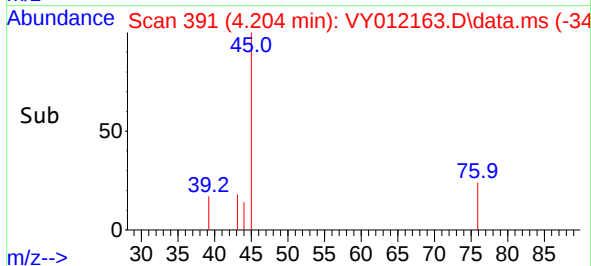
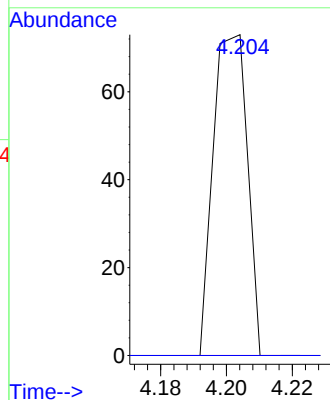
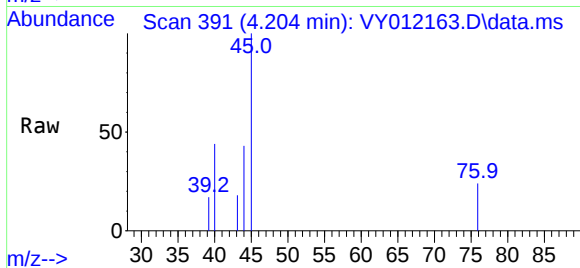
TP-C

Tgt Ion: 76 Resp: 53

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 10.748 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012163.D

Acq: 11 Jan 2023 15:12

Tgt Ion: 84 Resp: 34016

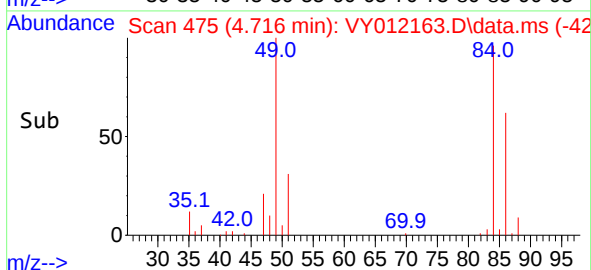
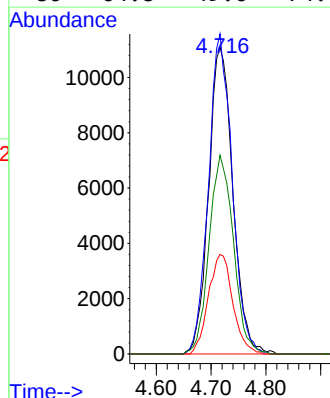
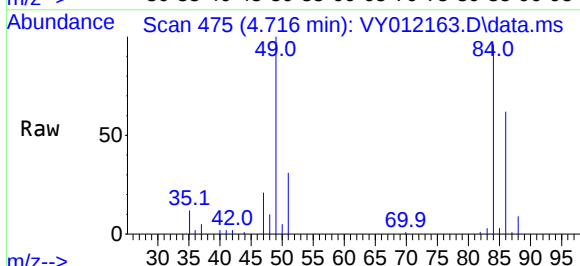
Ion Ratio Lower Upper

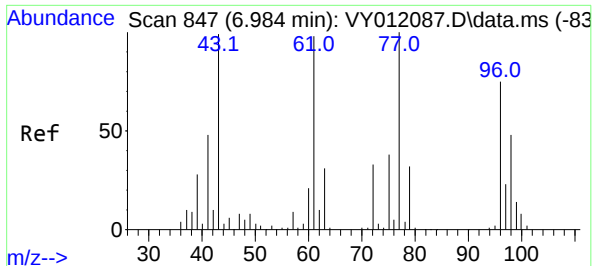
84 100

49 104.3 95.4 143.2

51 32.4 29.9 44.9

86 64.8 49.6 74.4





#25

2-Butanone

Concen: 1.984 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012163.D

Acq: 11 Jan 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

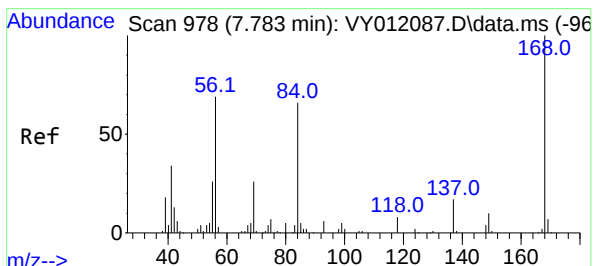
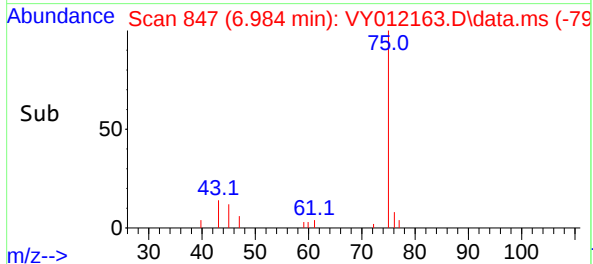
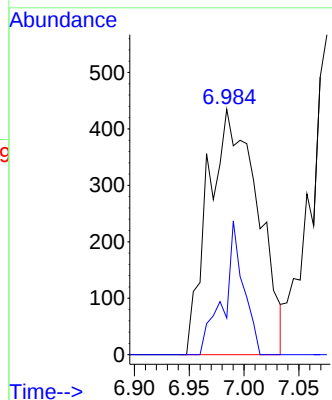
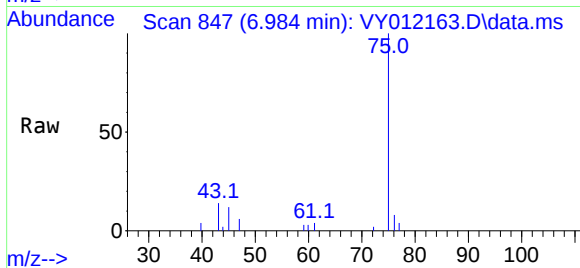
TP-C

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

72 14.9 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012163.D

Acq: 11 Jan 2023 15:12

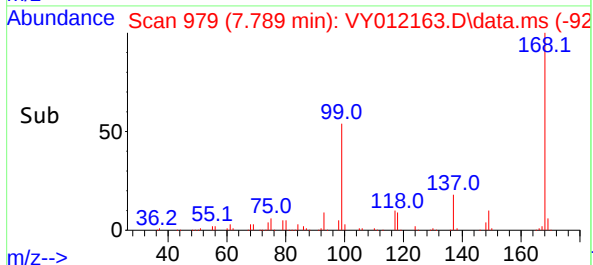
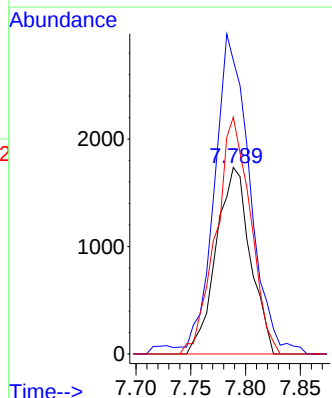
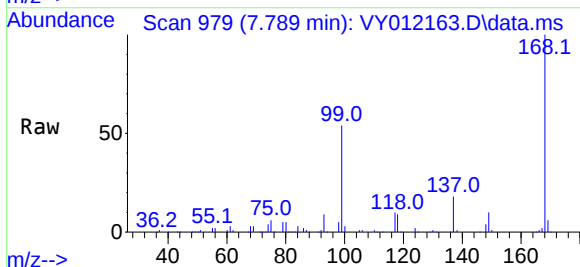
Tgt Ion: 56 Resp: 3756

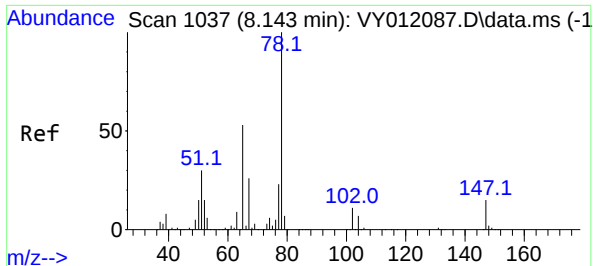
Ion Ratio Lower Upper

56 100

69 153.7 29.2 43.8#

84 127.0 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 53.513 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012163.D

Acq: 11 Jan 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

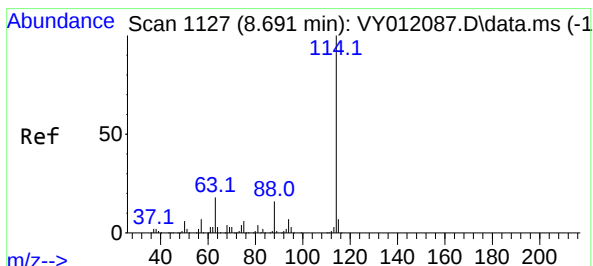
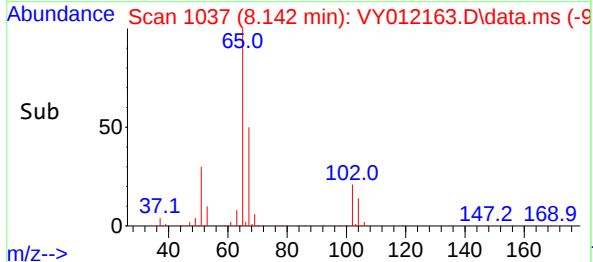
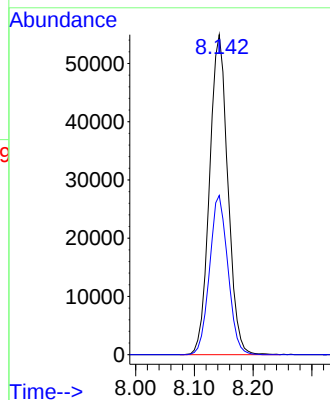
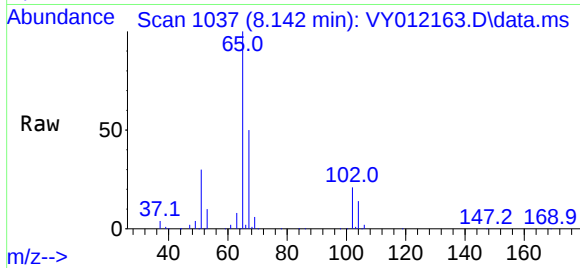
TP-C

Tgt Ion: 65 Resp: 118904

Ion Ratio Lower Upper

65 100

67 49.7 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: VY012163.D

Acq: 11 Jan 2023 15:12

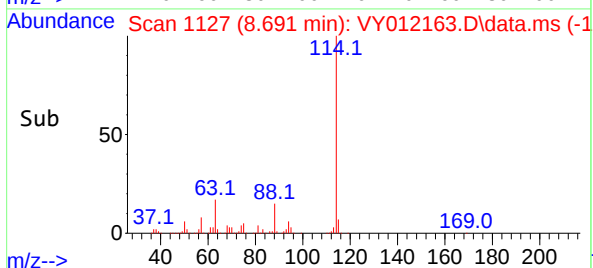
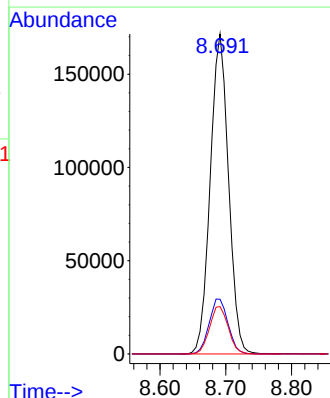
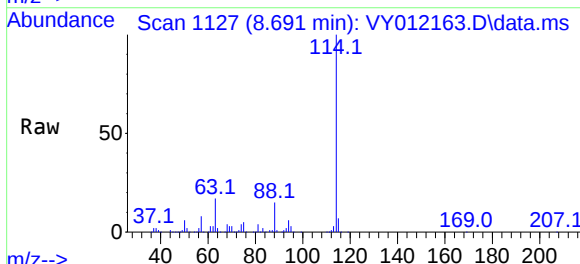
Tgt Ion:114 Resp: 331727

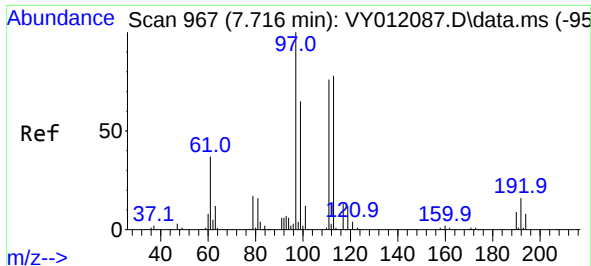
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 14.8 0.0 32.2

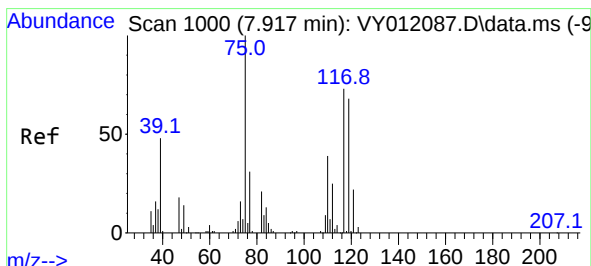
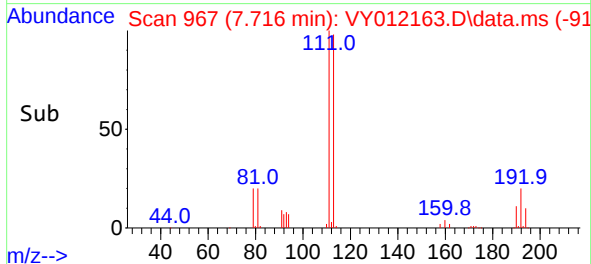
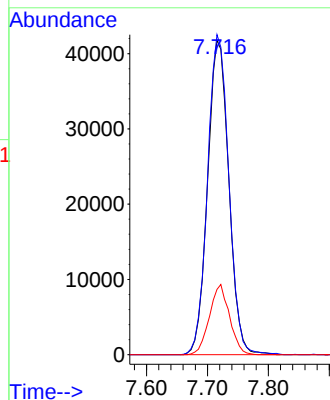
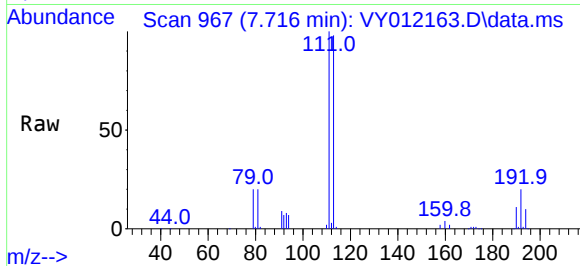




#35
Dibromofluoromethane
Concen: 46.339 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

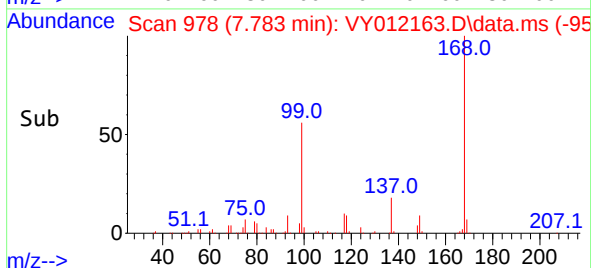
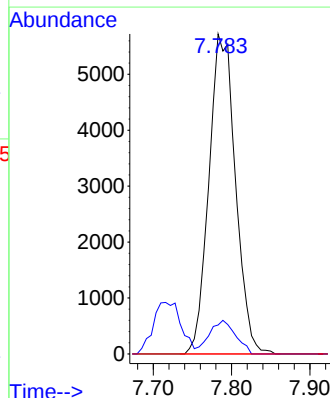
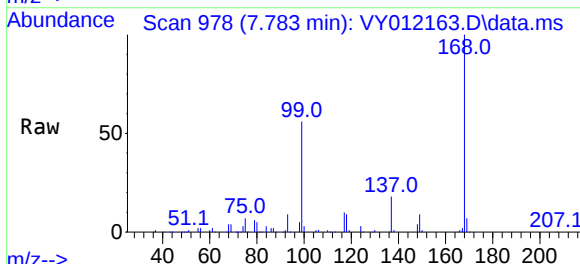
Instrument :
MSVOA_Y
ClientSampleId :
TP-C

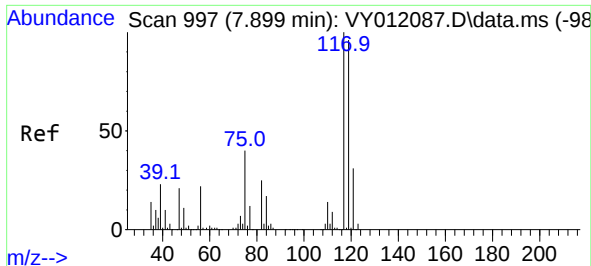
Tgt Ion:113 Resp: 101037
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 21.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.072 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

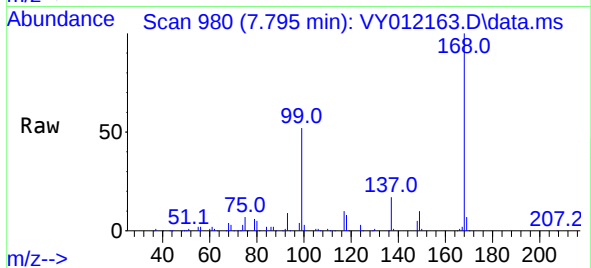
Tgt Ion: 75 Resp: 13470
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.1#
77 0.0 25.1 37.7#



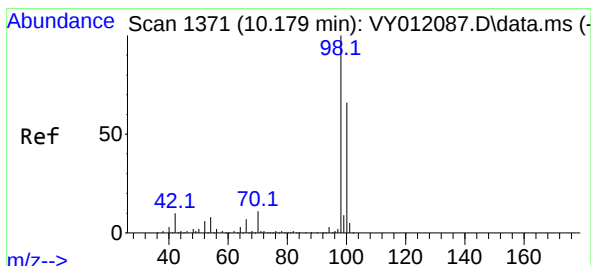
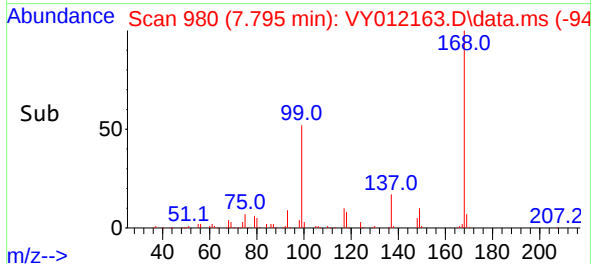
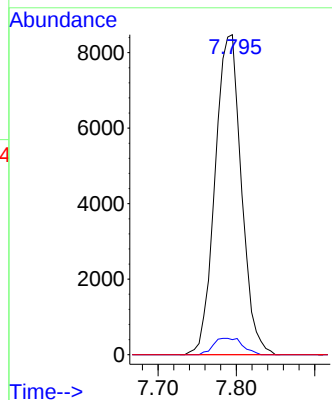


#38
Carbon Tetrachloride
Concen: 4.707 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-C

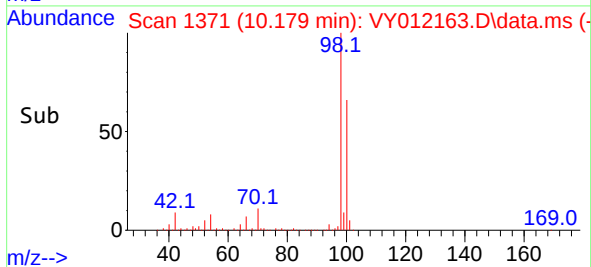
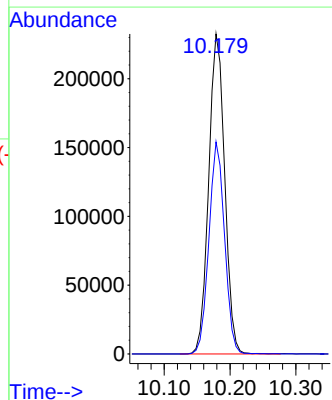
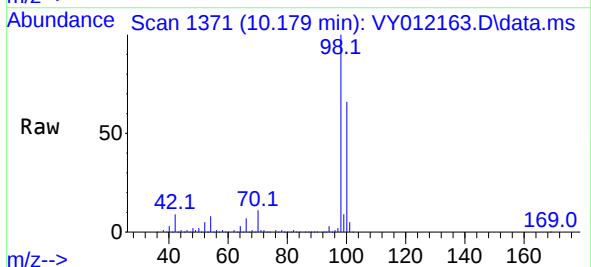


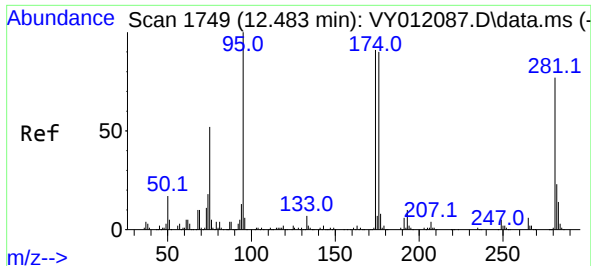
Tgt Ion:117 Resp: 19765
Ion Ratio Lower Upper
117 100
119 4.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.794 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

Tgt Ion: 98 Resp: 394109
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

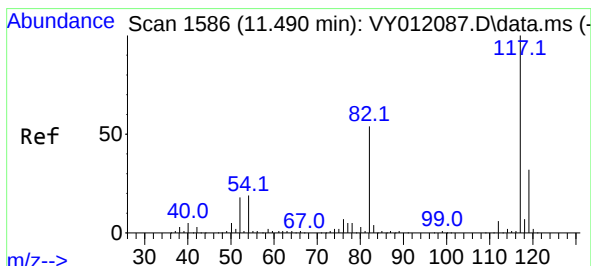
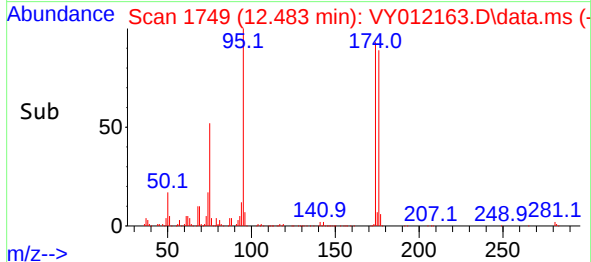
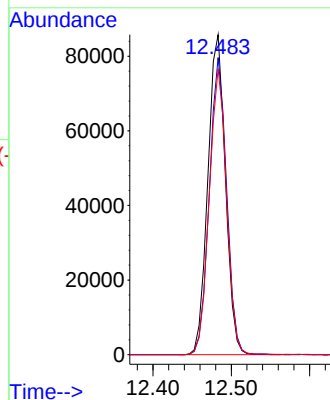
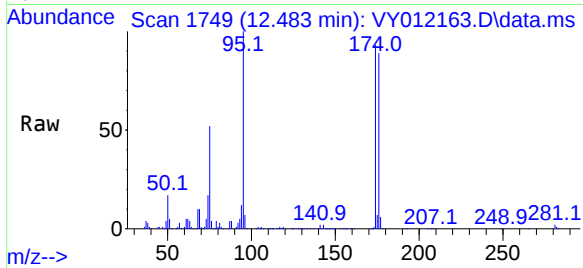




#62
4-Bromofluorobenzene
Concen: 44.369 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

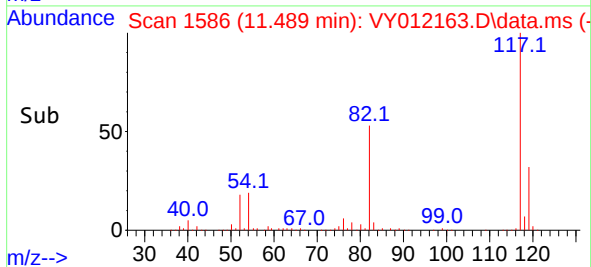
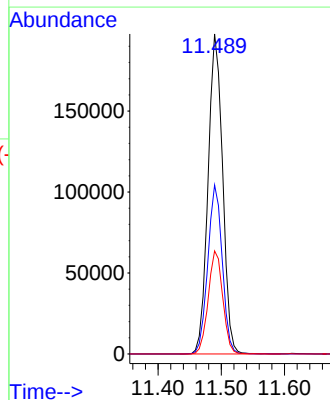
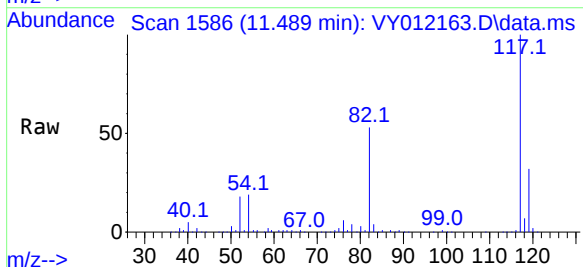
Instrument :
MSVOA_Y
ClientSampleId :
TP-C

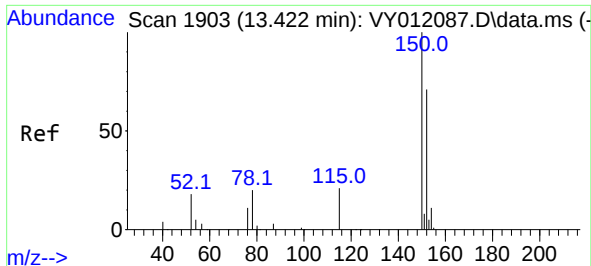
Tgt Ion: 95 Resp: 133470
Ion Ratio Lower Upper
95 100
174 91.4 0.0 172.0
176 88.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

Tgt Ion: 117 Resp: 316893
Ion Ratio Lower Upper
117 100
82 52.8 44.8 67.2
119 32.2 25.4 38.2

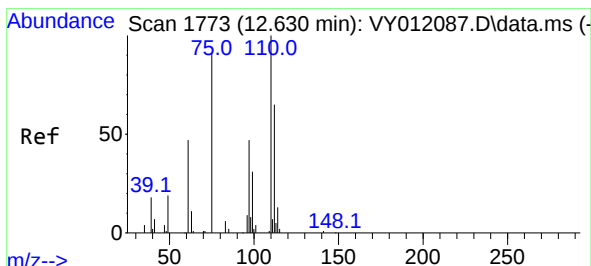
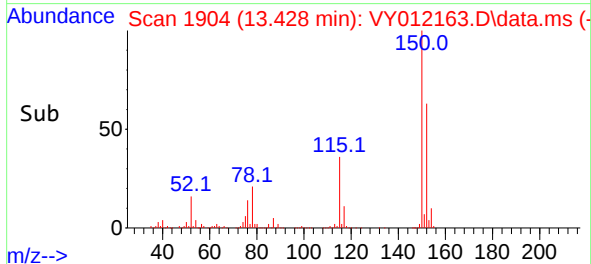
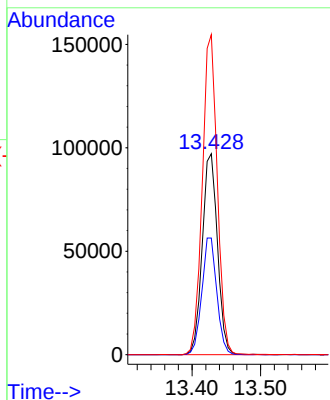
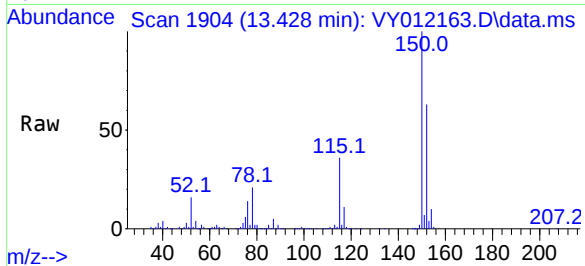




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

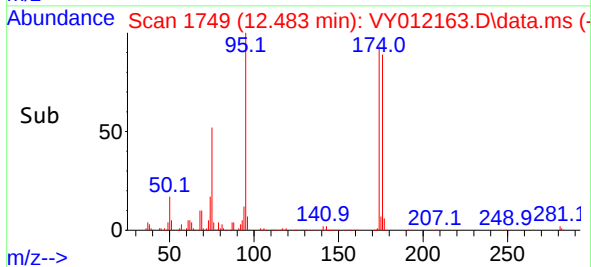
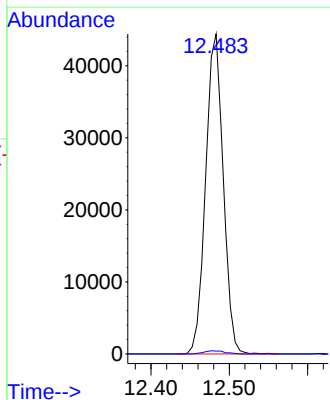
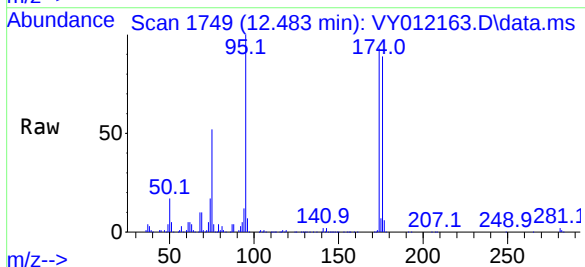
Instrument :
MSVOA_Y
ClientSampleId :
TP-C

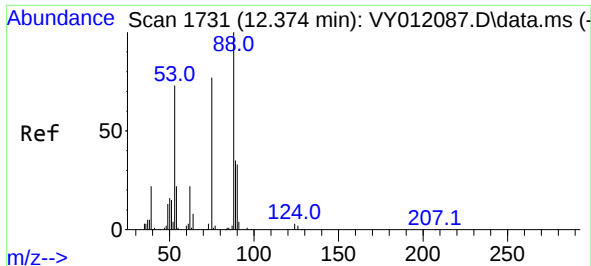
Tgt Ion:152 Resp: 150089
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.3
150 156.7 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 40.329 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012163.D
Acq: 11 Jan 2023 15:12

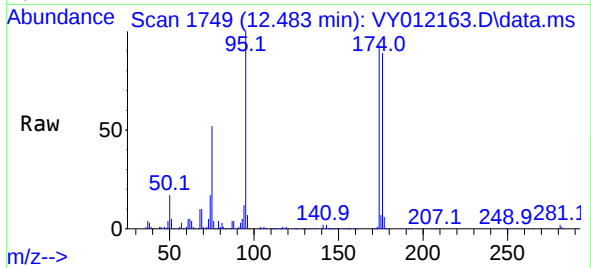
Tgt Ion: 75 Resp: 69112
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.564 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012163.D
 Acq: 11 Jan 2023 15:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-C



Tgt Ion: 75 Resp: 69112
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

