

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012186.D
 Acq On : 13 Jan 2023 12:26
 Operator : KP/MD
 Sample : 01140-01
 Misc : 3.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-D

Quant Time: Jan 16 08:17:54 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)

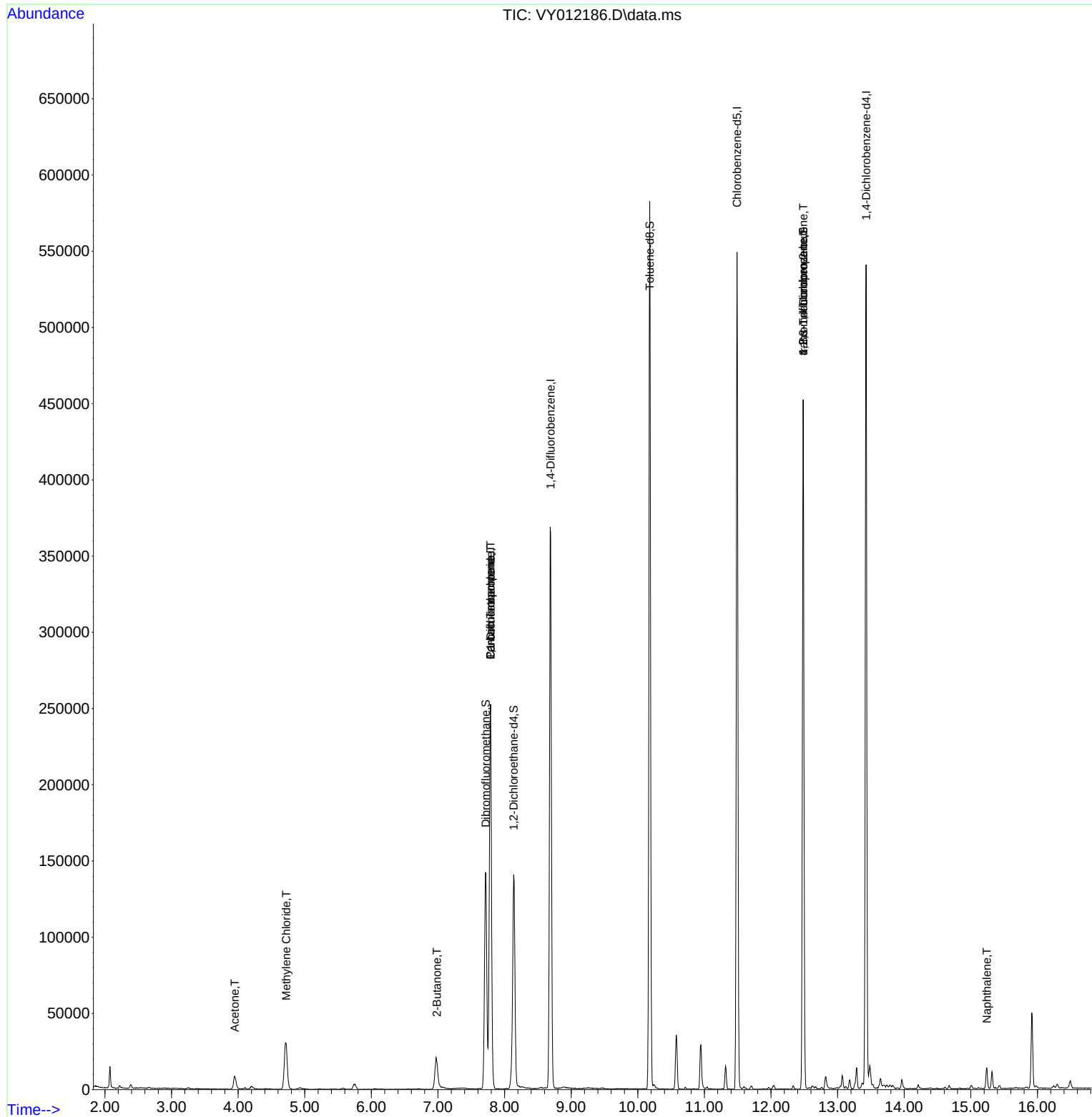
Internal Standards						
1) Pentafluorobenzene	7.789	168	200259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	328101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	309858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110175	48.962	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.920%		
35) Dibromofluoromethane	7.716	113	98712	45.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.540%		
50) Toluene-d8	10.179	98	383197	45.019	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.040%		
62) 4-Bromofluorobenzene	12.483	95	128560	43.209	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	50	Below Cal	#	41
3) Chloromethane	2.113	50	361	Below Cal	#	41
5) Bromomethane	2.662	94	415	Below Cal		86
11) Tert butyl alcohol	4.930	59	1432	Below Cal	#	74
16) Acetone	3.948	43	14800	27.959	ug/l	96
17) Carbon Disulfide	4.192	76	697	Below Cal	#	75
20) Methylene Chloride	4.722	84	25967	6.450	ug/l #	86
25) 2-Butanone	6.984	43	5950	8.520	ug/l	94
31) Cyclohexane	7.783	56	3658	Below Cal	#	8
36) 1,1-Dichloropropene	7.789	75	14163	4.329	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19858	4.782	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	68378	41.456	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68378	92.067	ug/l #	13
95) Naphthalene	15.239	128	12566	2.092	ug/l	98

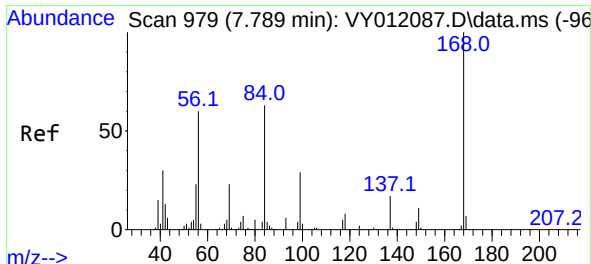
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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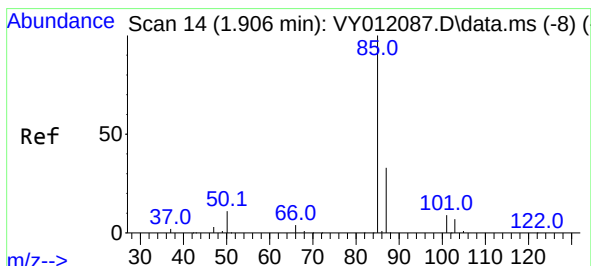
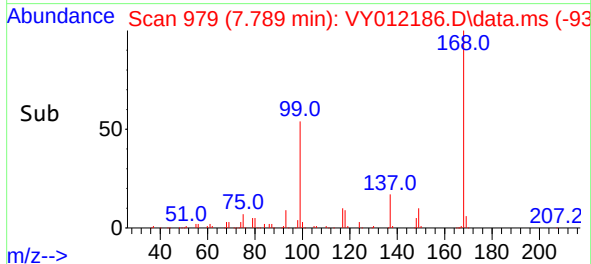
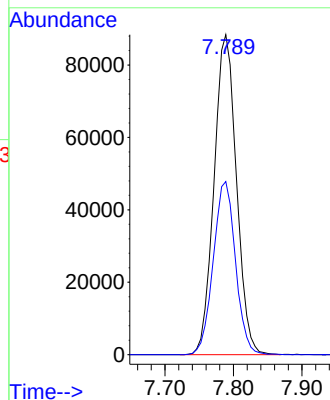
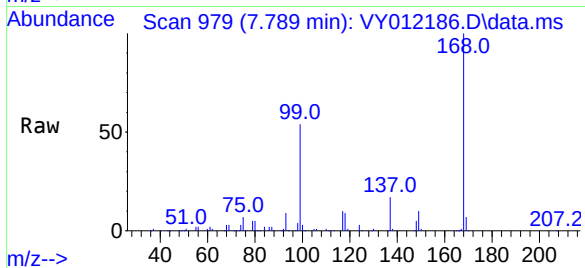




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

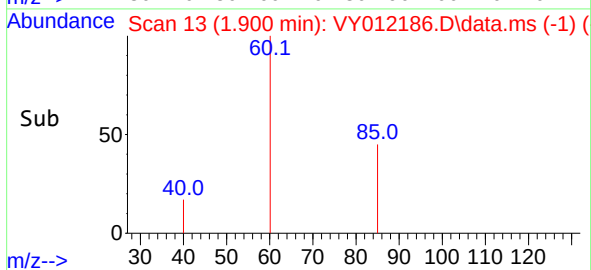
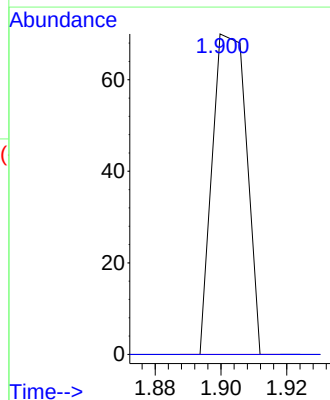
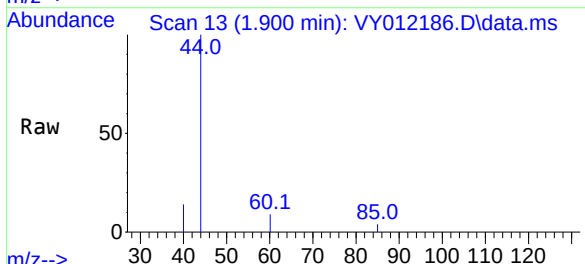
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

Tgt Ion:168 Resp: 200259
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0

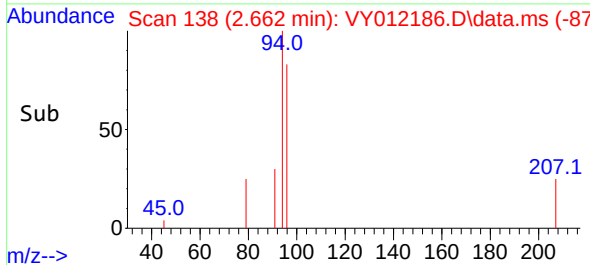
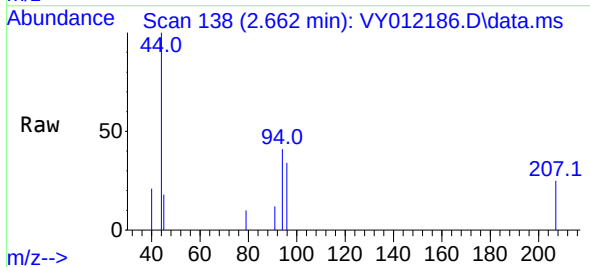
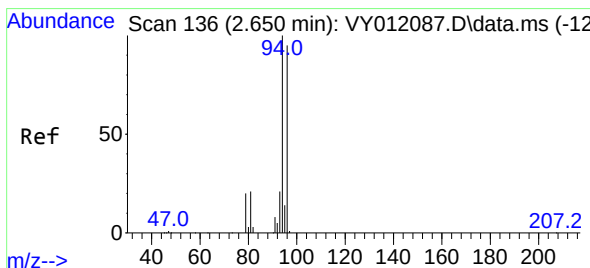
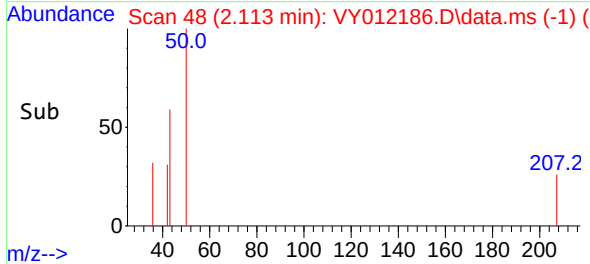
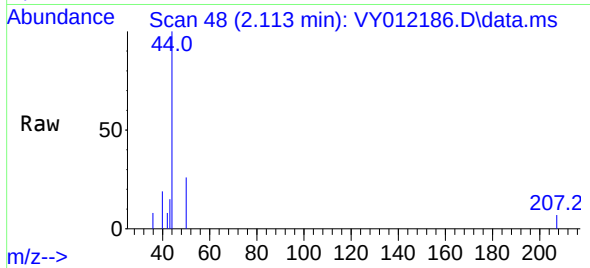
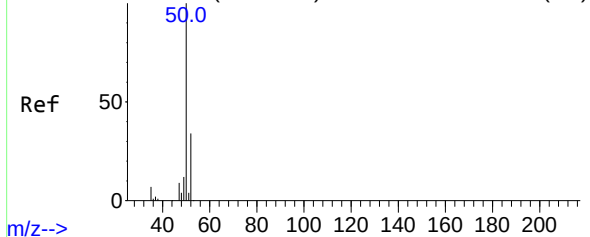


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 85 Resp: 50
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



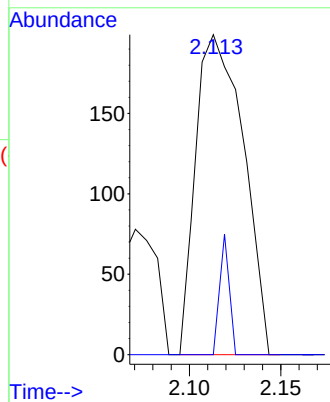
Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

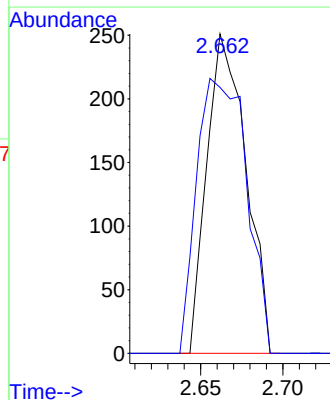
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

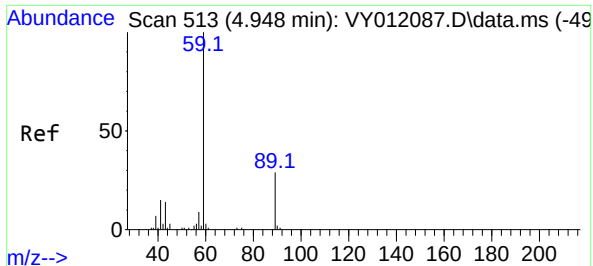
Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 94 Resp: 415
Ion Ratio Lower Upper
94 100
96 83.3 77.4 116.2

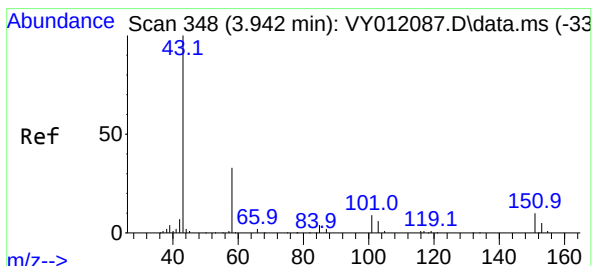
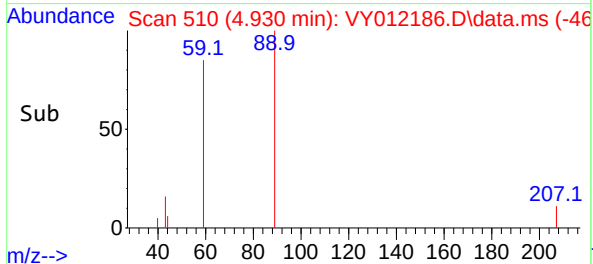
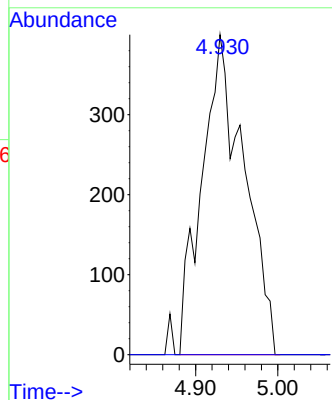
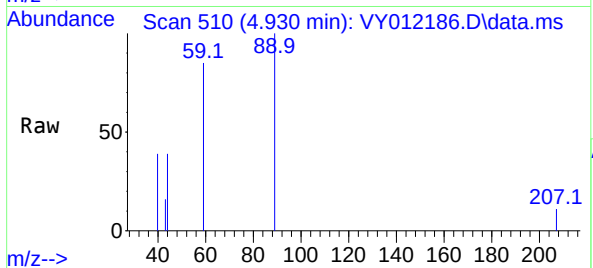




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

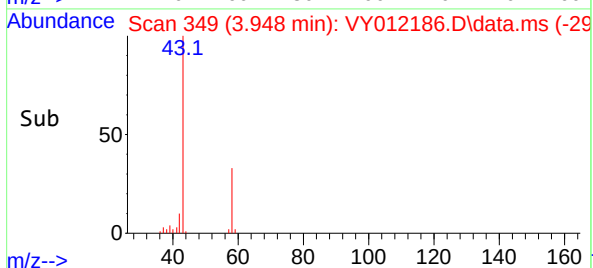
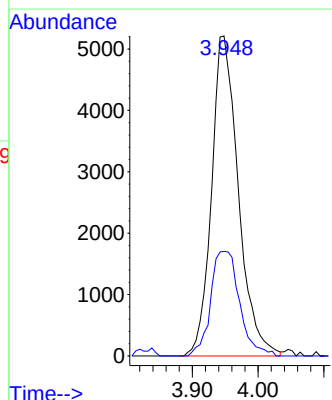
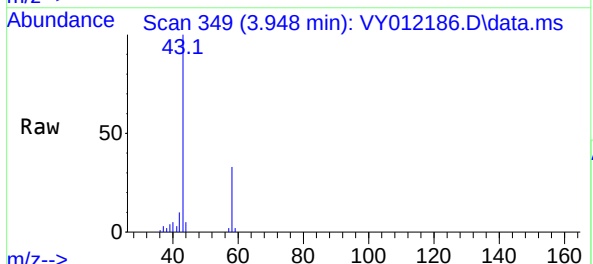
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

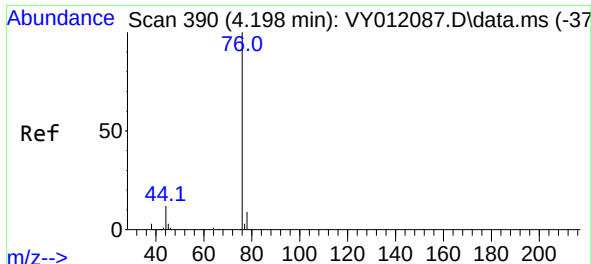
Tgt Ion: 59 Resp: 1432
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 27.959 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 43 Resp: 14800
Ion Ratio Lower Upper
43 100
58 32.7 27.9 41.9

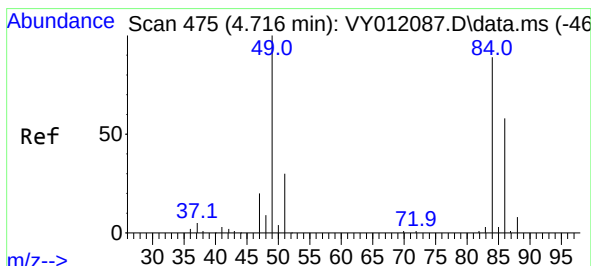
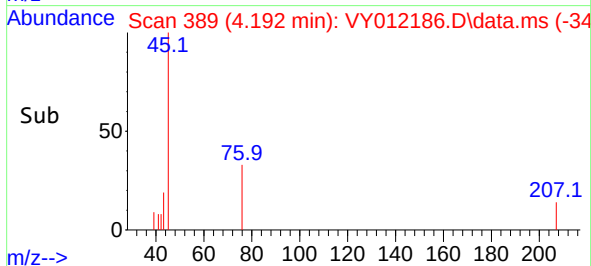
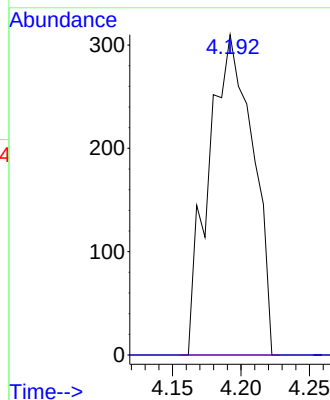
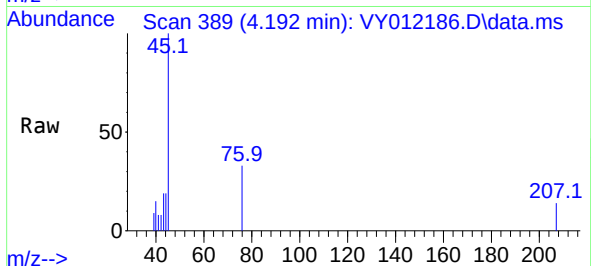




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

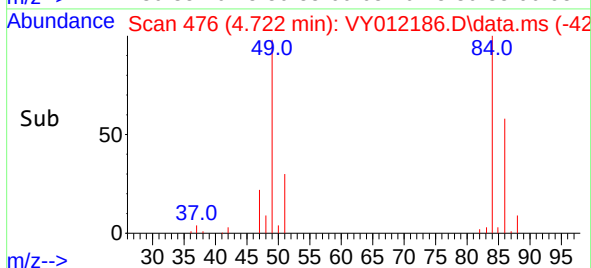
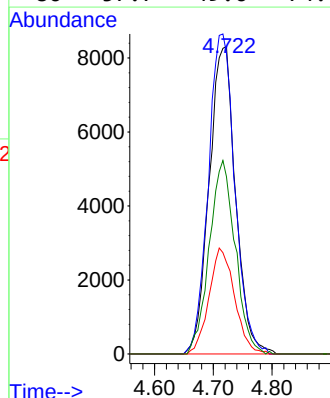
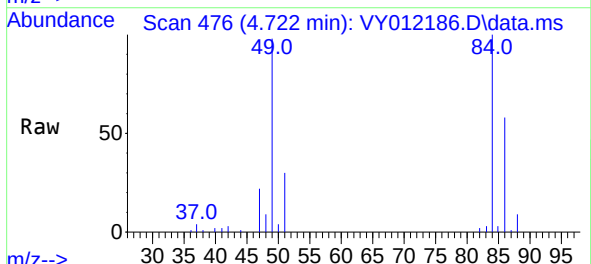
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

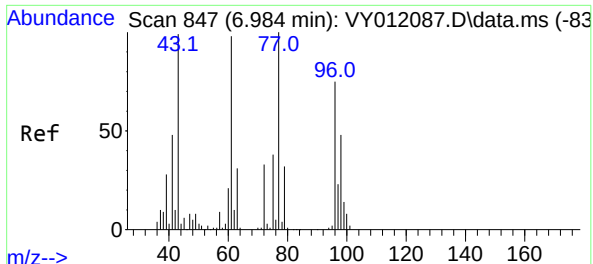
Tgt Ion: 76 Resp: 697
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 6.450 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 84 Resp: 25967
Ion Ratio Lower Upper
84 100
49 97.9 95.4 143.2
51 29.8 29.9 44.9#
86 57.7 49.6 74.4





#25

2-Butanone

Concen: 8.520 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012186.D

Acq: 13 Jan 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

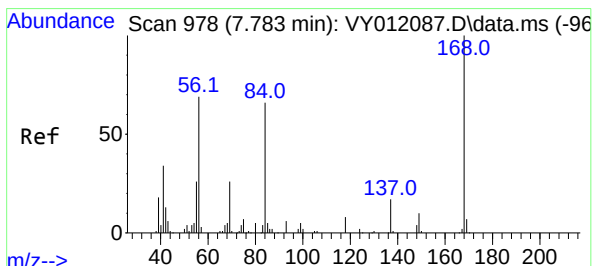
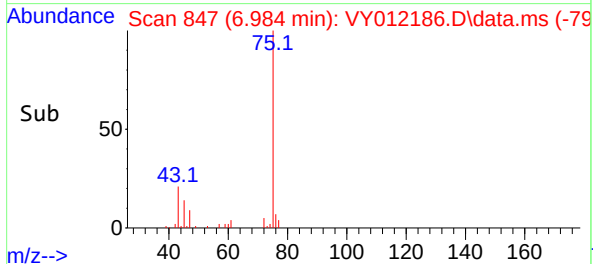
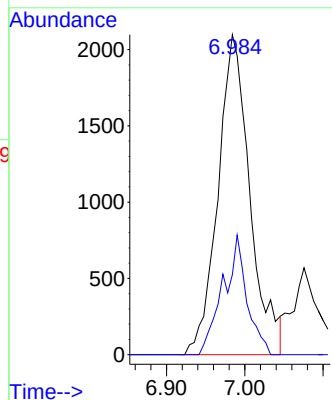
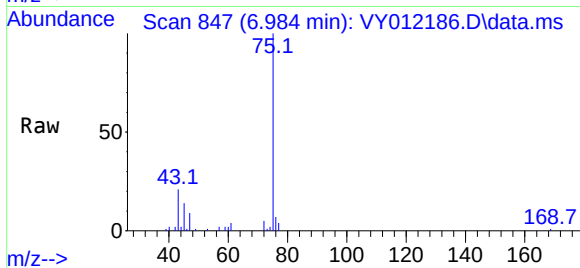
TP-D

Tgt Ion: 43 Resp: 5950

Ion Ratio Lower Upper

43 100

72 25.0 22.6 34.0



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012186.D

Acq: 13 Jan 2023 12:26

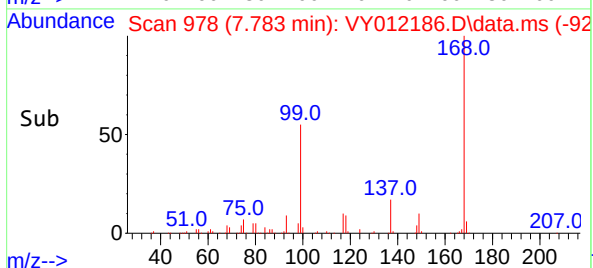
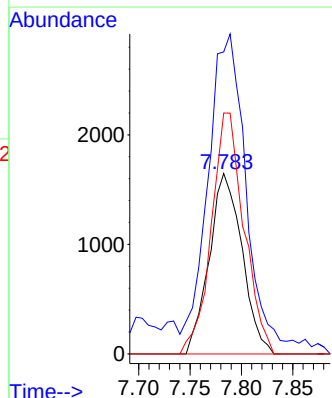
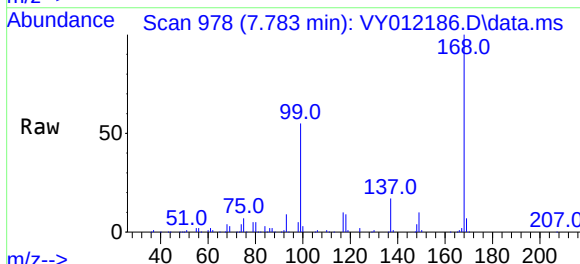
Tgt Ion: 56 Resp: 3658

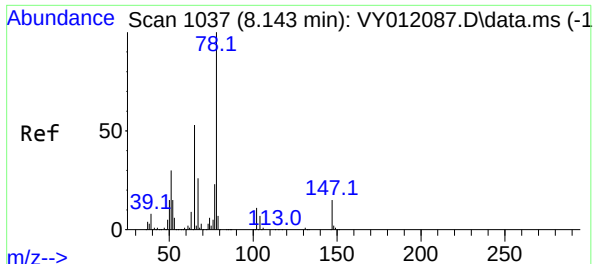
Ion Ratio Lower Upper

56 100

69 160.0 29.2 43.8#

84 133.5 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 48.962 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY012186.D

Acq: 13 Jan 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

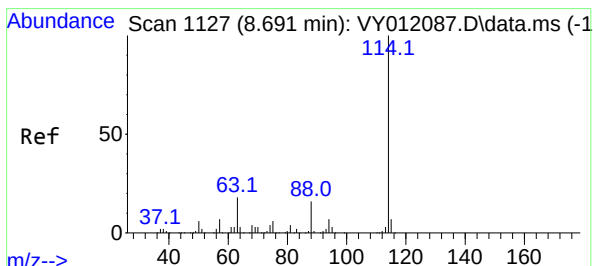
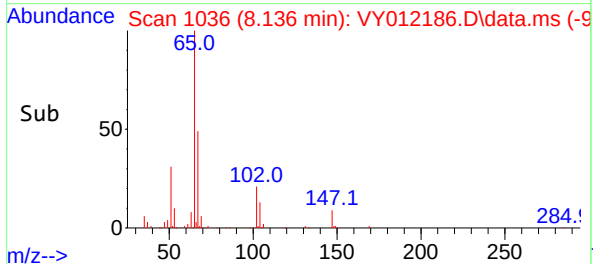
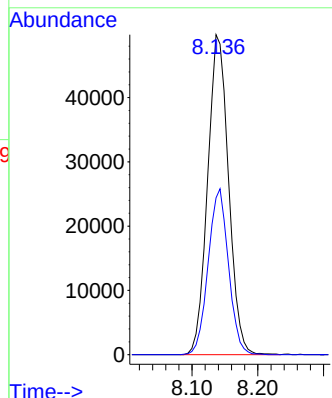
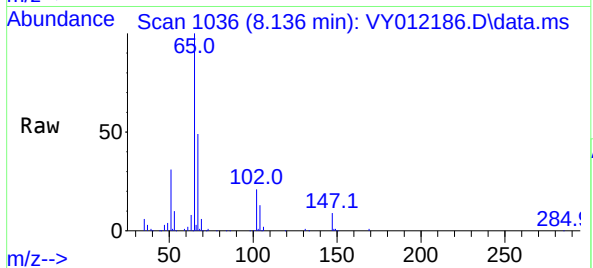
TP-D

Tgt Ion: 65 Resp: 110175

Ion Ratio Lower Upper

65 100

67 50.3 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: VY012186.D

Acq: 13 Jan 2023 12:26

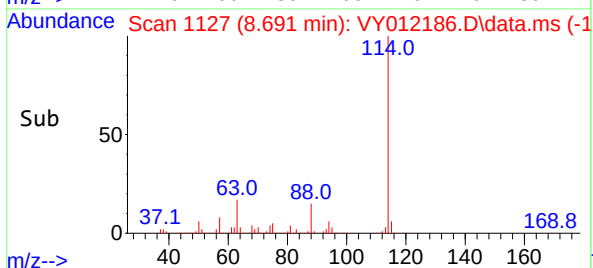
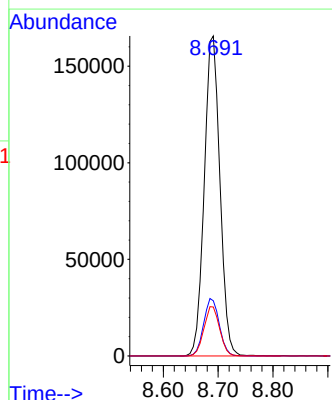
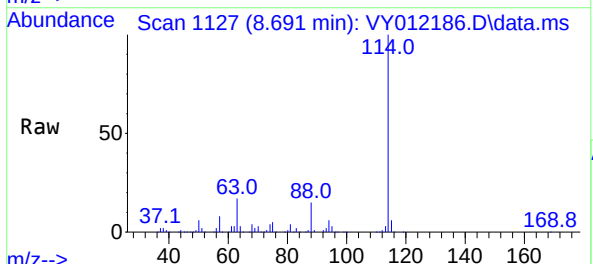
Tgt Ion: 114 Resp: 328101

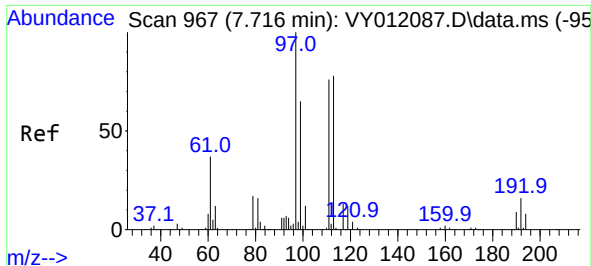
Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 15.3 0.0 32.2

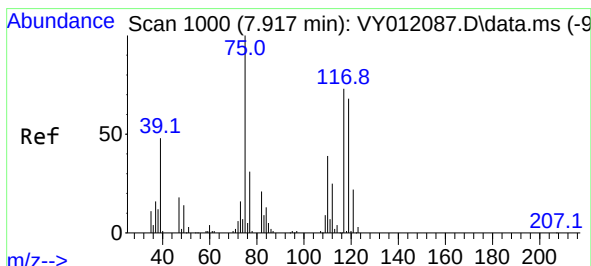
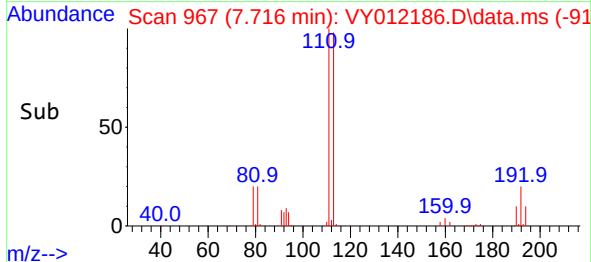
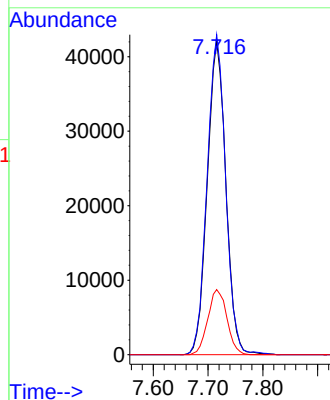
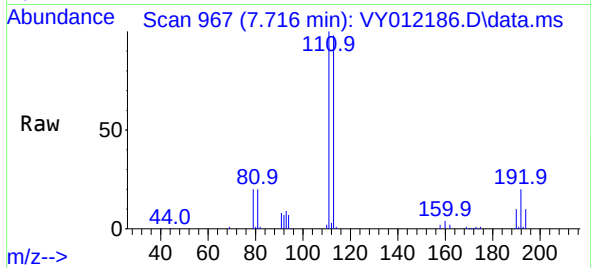




#35
Dibromofluoromethane
Concen: 45.773 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

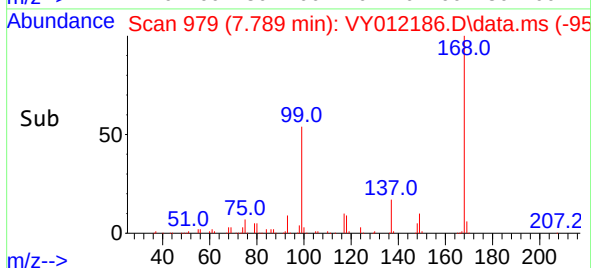
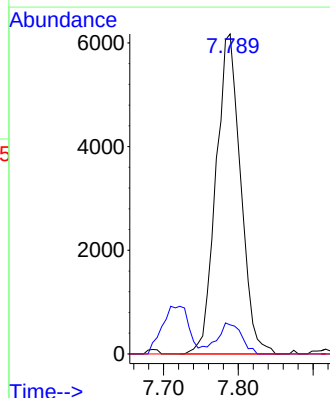
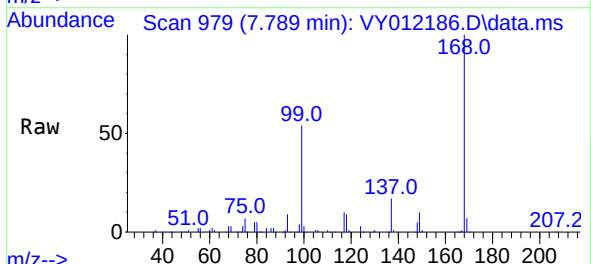
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

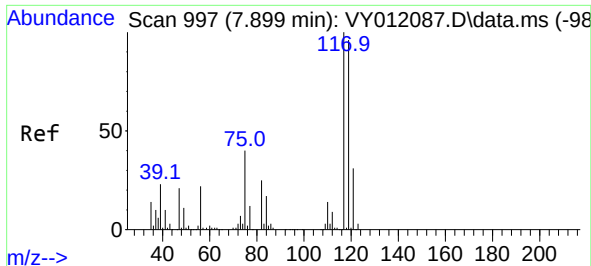
Tgt Ion:113 Resp: 98712
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.4
192 21.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.329 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 75 Resp: 14163
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.1#
77 0.0 25.1 37.7#

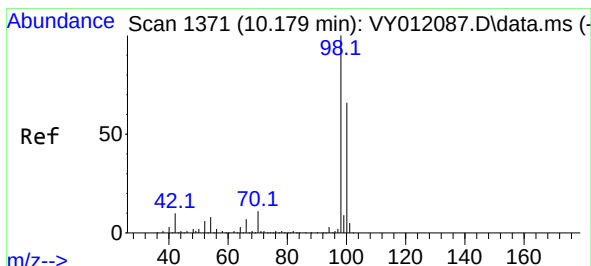
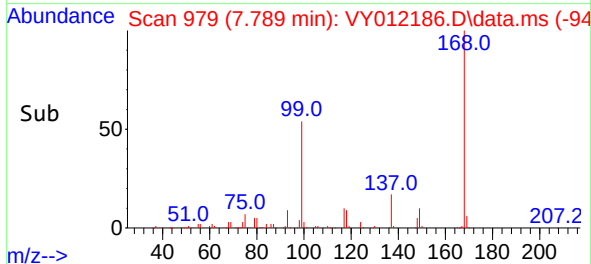
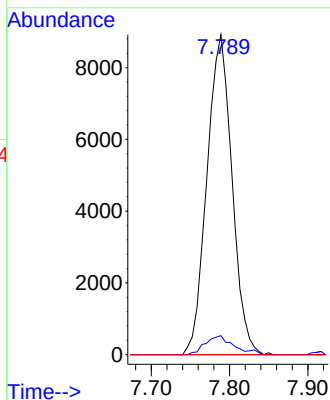
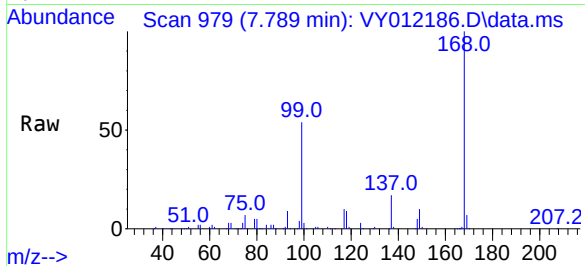




#38
Carbon Tetrachloride
Concen: 4.782 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

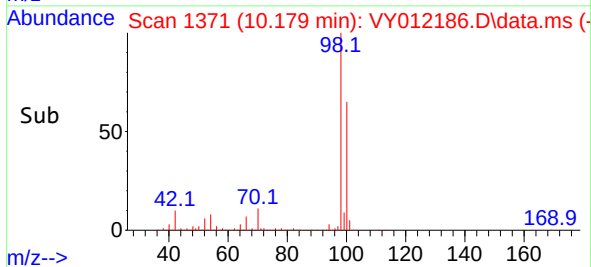
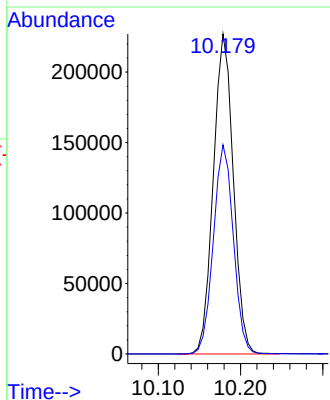
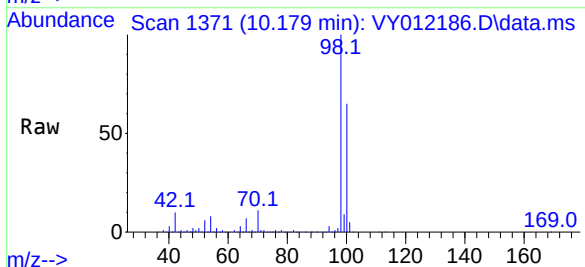
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

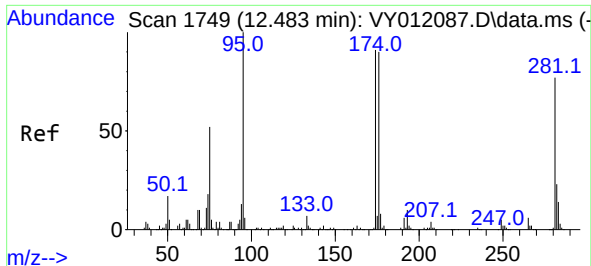
Tgt Ion:117 Resp: 19858
Ion Ratio Lower Upper
117 100
119 5.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.019 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 98 Resp: 383197
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

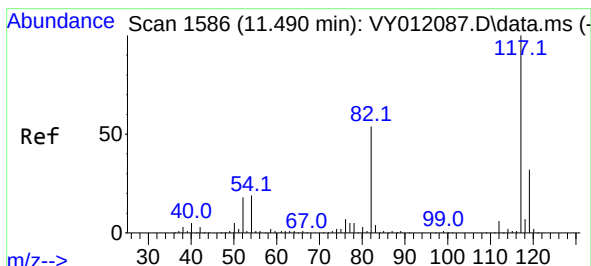
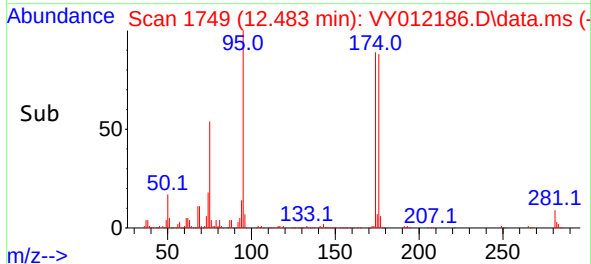
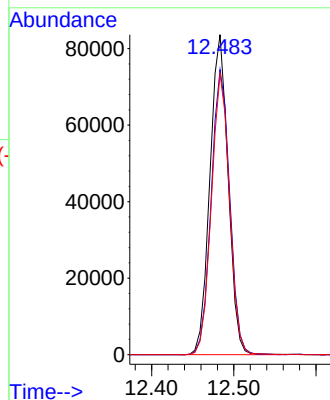
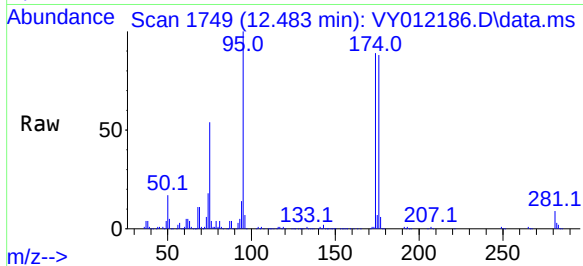




#62
4-Bromofluorobenzene
Concen: 43.209 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

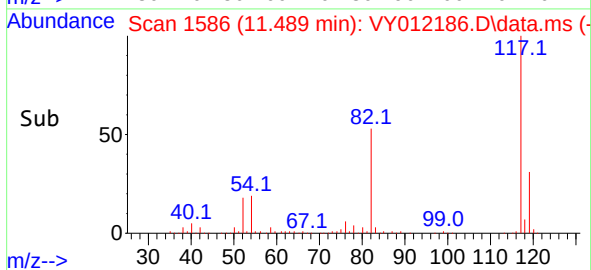
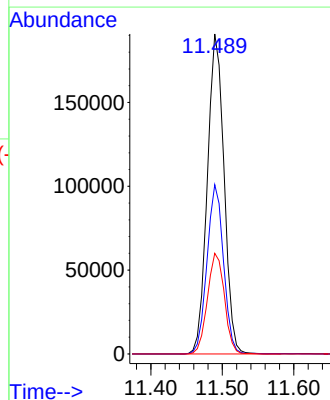
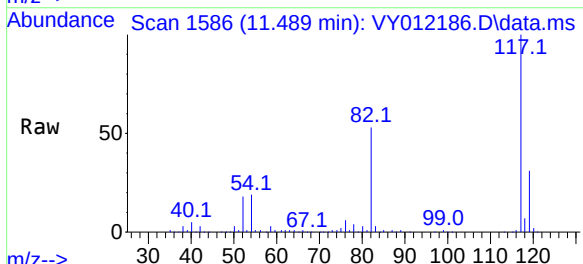
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

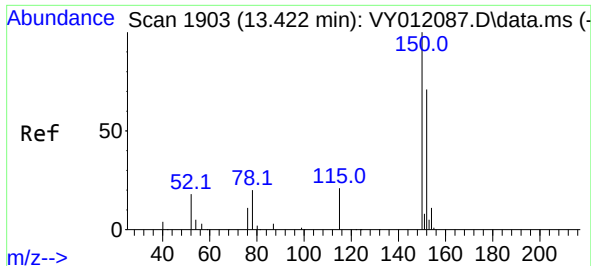
Tgt Ion: 95 Resp: 128560
Ion Ratio Lower Upper
95 100
174 90.7 0.0 172.0
176 87.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 117 Resp: 309858
Ion Ratio Lower Upper
117 100
82 52.9 44.8 67.2
119 31.4 25.4 38.2

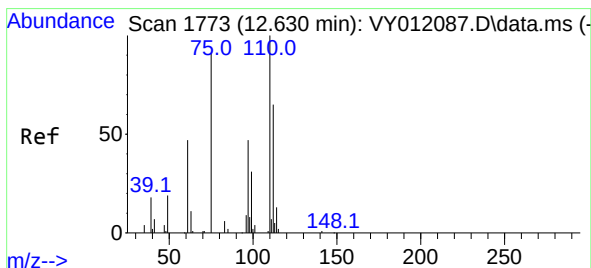
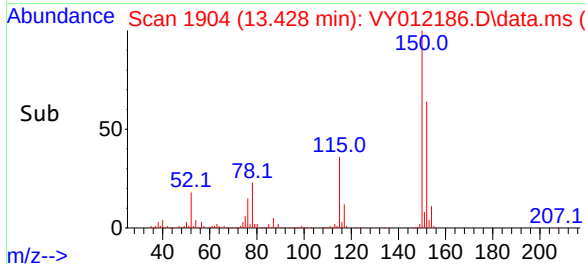
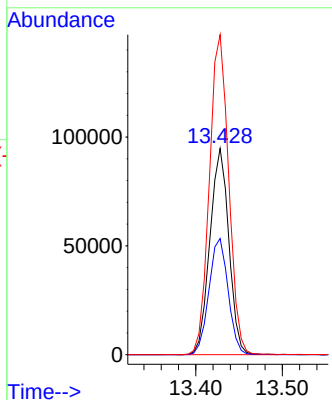
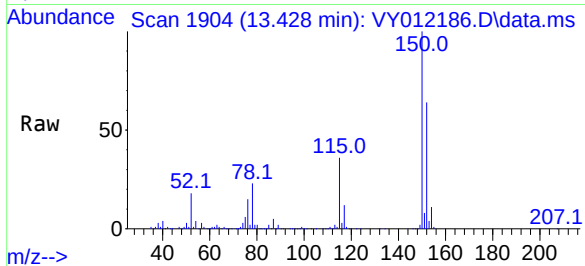




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

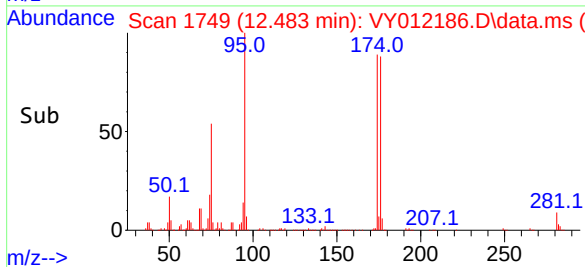
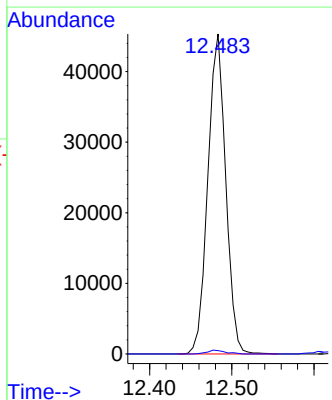
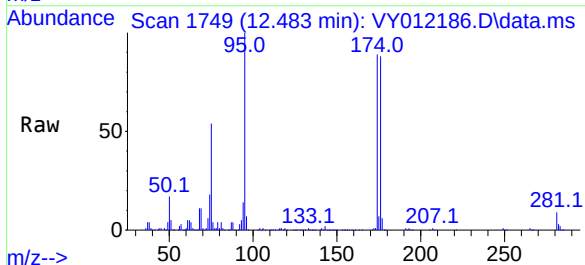
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

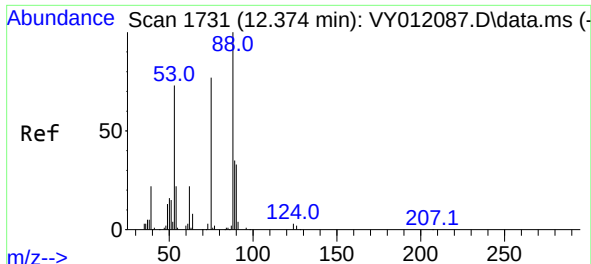
Tgt Ion:152 Resp: 144458
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 157.5 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 41.456 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 75 Resp: 68378
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

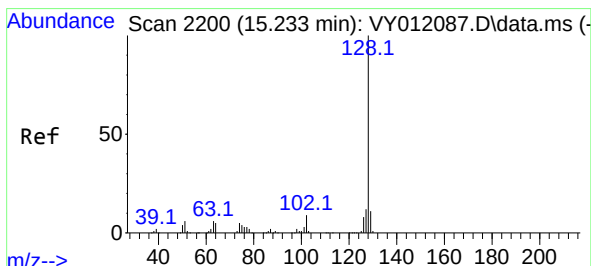
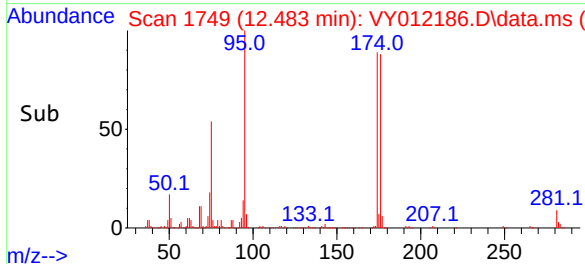
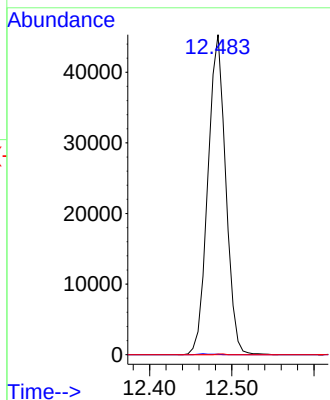
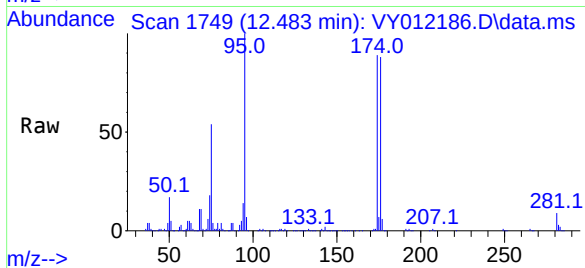




#81
trans-1,4-Dichloro-2-butene
Concen: 92.067 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-D

Tgt Ion: 75 Resp: 68378
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 2.092 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012186.D
Acq: 13 Jan 2023 12:26

Tgt Ion: 128 Resp: 12566
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 10.6 8.8 13.2

