

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010101.D
 Acq On : 19 Aug 2022 14:05
 Operator : KP/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLK

Quant Time: Aug 22 02:39:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

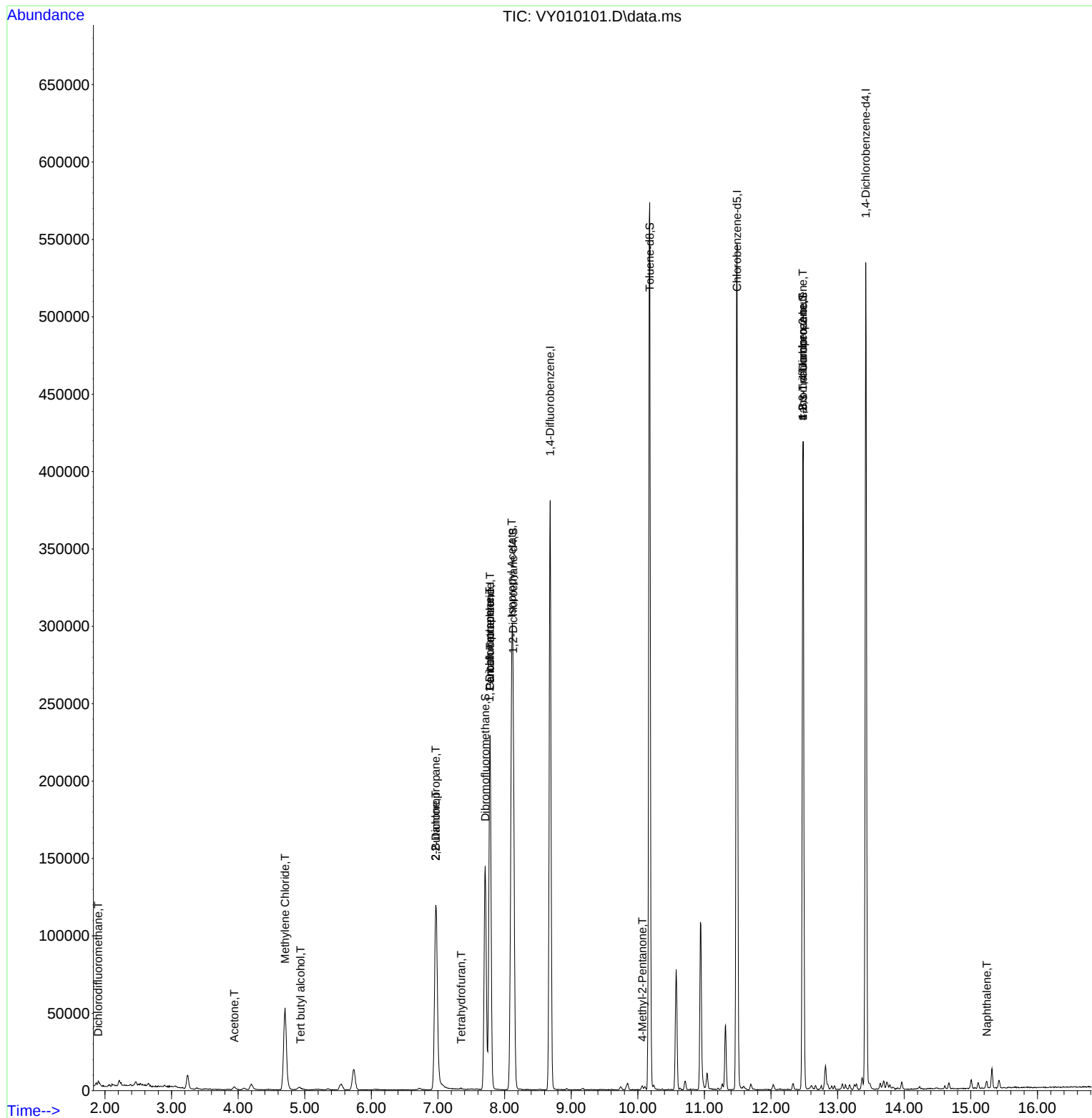
Internal Standards						
1) Pentafluorobenzene	7.783	168	188706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	339114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	320054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	102214	66.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.260%	
35) Dibromofluoromethane	7.710	113	104776	54.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.660%	
50) Toluene-d8	10.179	98	393633	54.976	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.960%	
62) 4-Bromofluorobenzene	12.477	95	126992	49.640	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.280%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	2350	1.671	ug/l	98
11) Tert butyl alcohol	4.936	59	2616	26.098	ug/l #	73
13) Acrolein	3.729	56	82	Below Cal	#	14
16) Acetone	3.942	43	3117	8.057	ug/l #	83
20) Methylene Chloride	4.704	84	40553	12.341	ug/l	97
25) 2-Butanone	6.966	43	6136	9.860	ug/l #	76
26) 2,2-Dichloropropane	6.966	77	9322	3.199	ug/l #	50
29) Tetrahydrofuran	7.350	42	432	1.086	ug/l #	71
36) 1,1-Dichloropropene	7.777	75	13299	4.360	ug/l #	47
38) Carbon Tetrachloride	7.783	117	17054	5.331	ug/l #	15
43) Isopropyl Acetate	8.106	43	5644	2.019	ug/l #	2
51) 4-Methyl-2-Pentanone	10.069	43	1943	1.285	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	61282	45.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61282	92.385	ug/l #	18
95) Naphthalene	15.239	128	4139	4.600	ug/l	98

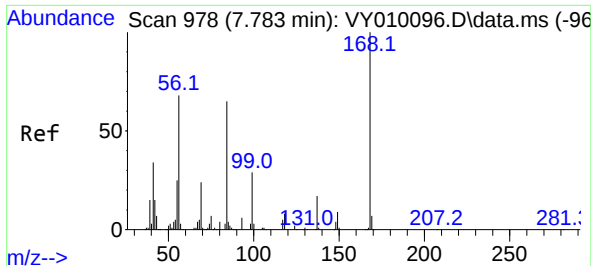
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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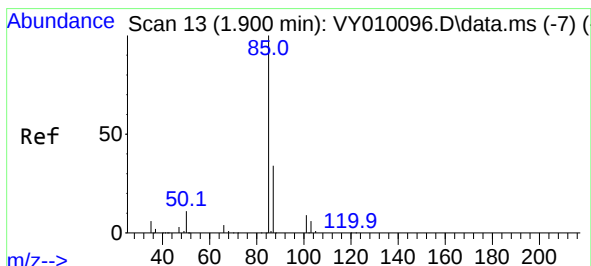
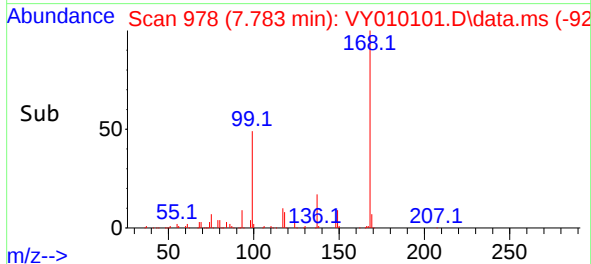
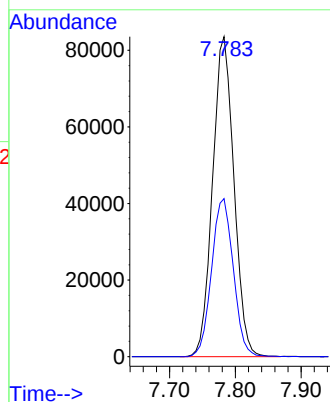
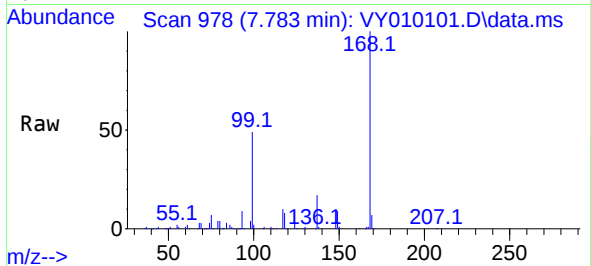




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

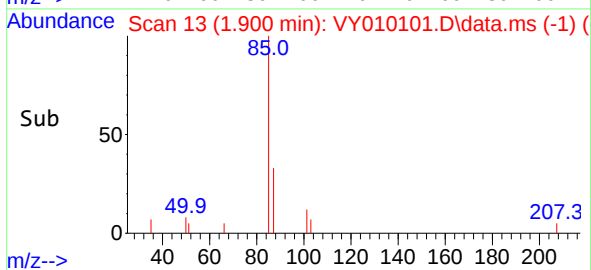
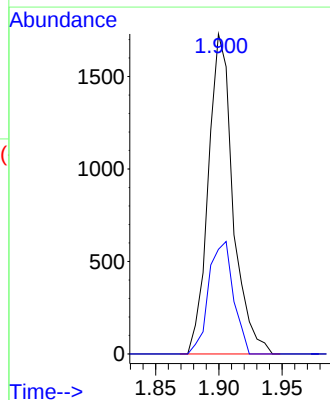
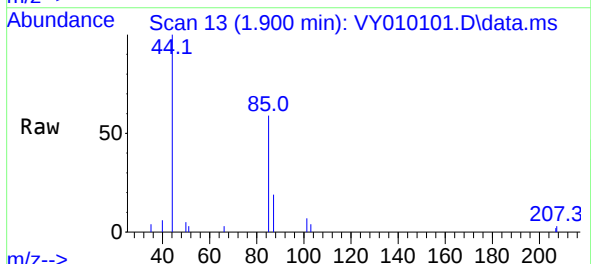
Instrument :
MSVOA_Y
ClientSampleId :
BLK

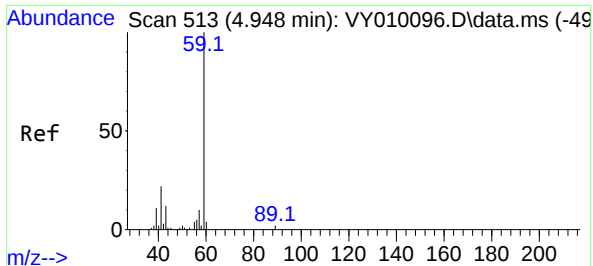
Tgt Ion:168 Resp: 188706
Ion Ratio Lower Upper
168 100
99 49.4 40.7 61.1



#2
Dichlorodifluoromethane
Concen: 1.671 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion: 85 Resp: 2350
Ion Ratio Lower Upper
85 100
87 32.7 16.8 50.4





#11

Tert butyl alcohol

Concen: 26.098 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY010101.D

Acq: 19 Aug 2022 14:05

Instrument :

MSVOA_Y

ClientSampleId :

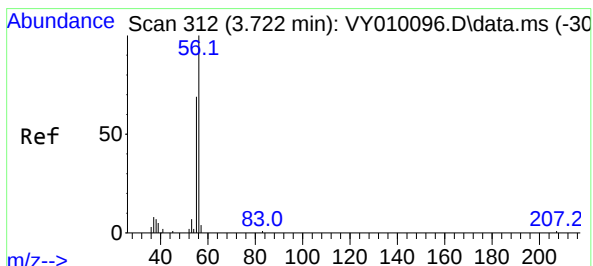
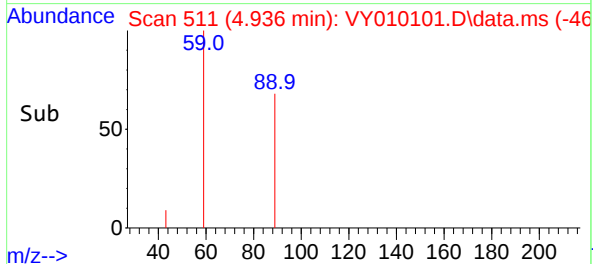
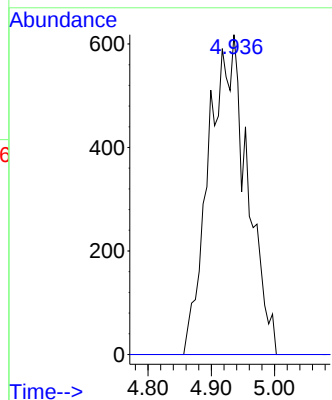
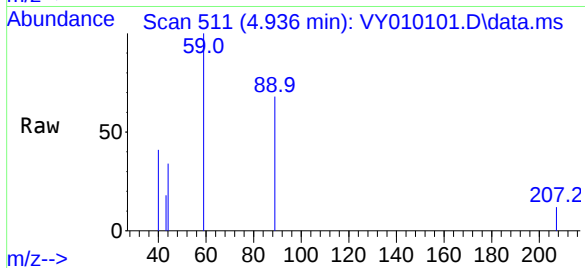
BLK

Tgt Ion: 59 Resp: 2616

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 3.729 min Scan# 313

Delta R.T. 0.007 min

Lab File: VY010101.D

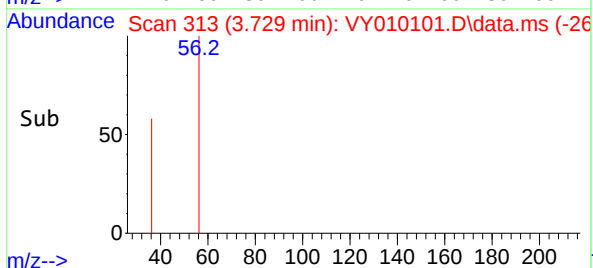
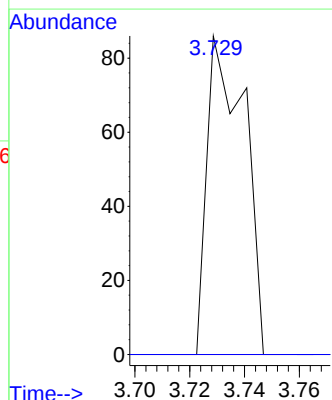
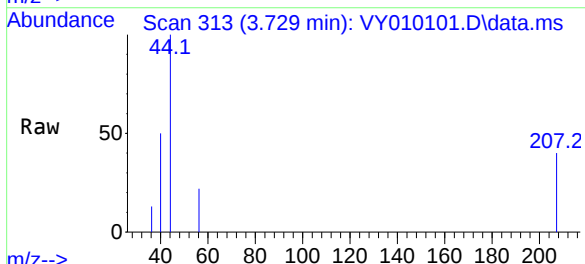
Acq: 19 Aug 2022 14:05

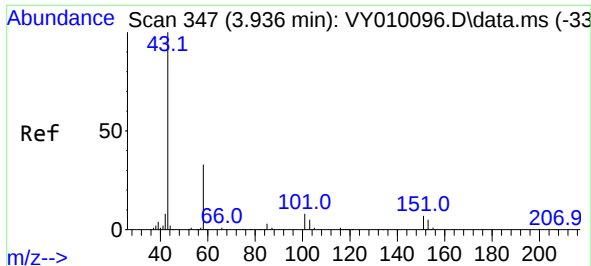
Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#

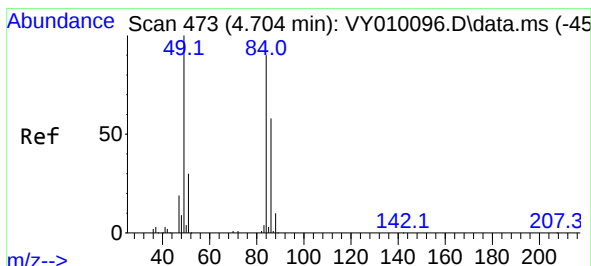
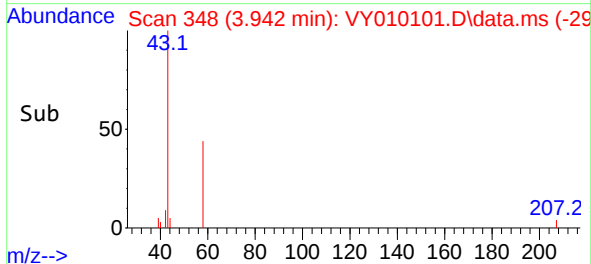
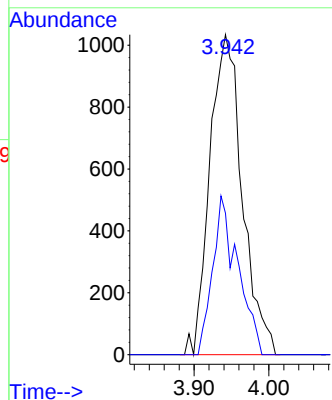
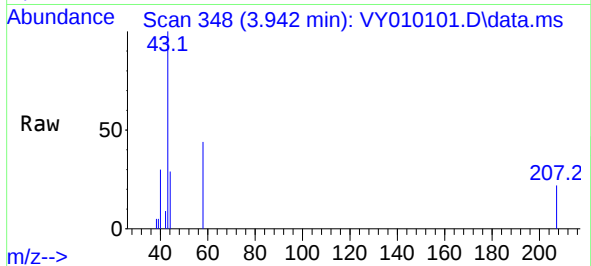




#16
Acetone
Concen: 8.057 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

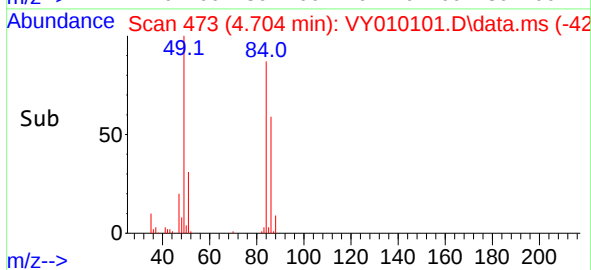
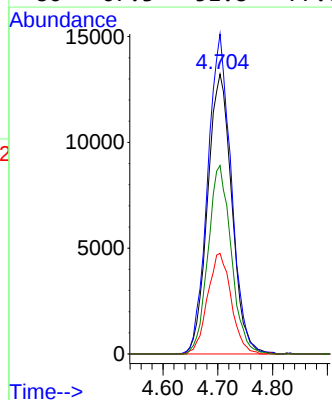
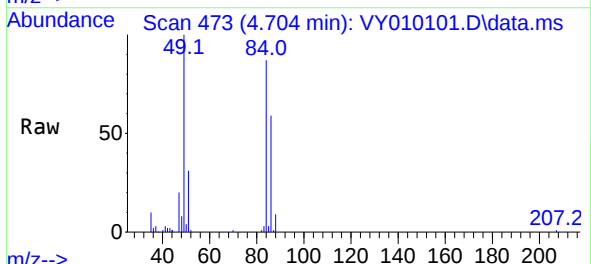
Instrument :
MSVOA_Y
ClientSampleId :
BLK

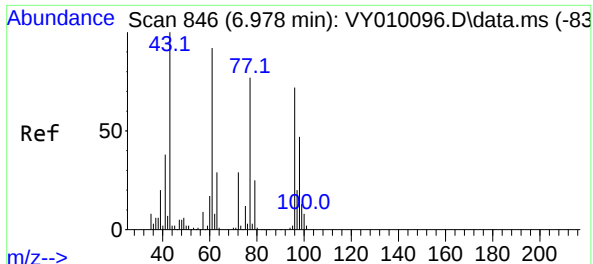
Tgt Ion: 43 Resp: 3117
Ion Ratio Lower Upper
43 100
58 44.2 27.4 41.0#



#20
Methylene Chloride
Concen: 12.341 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion: 84 Resp: 40553
Ion Ratio Lower Upper
84 100
49 114.4 89.0 133.4
51 36.0 27.0 40.6
86 67.3 51.8 77.6

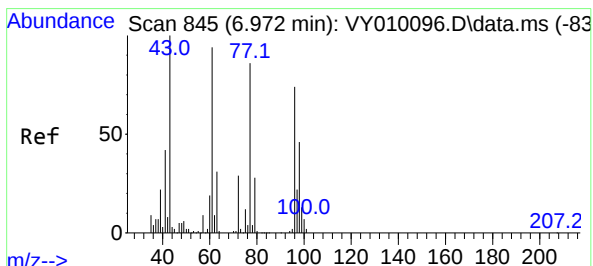
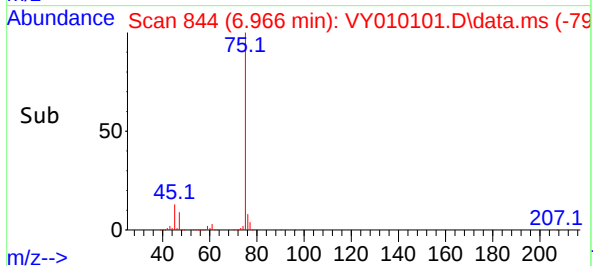
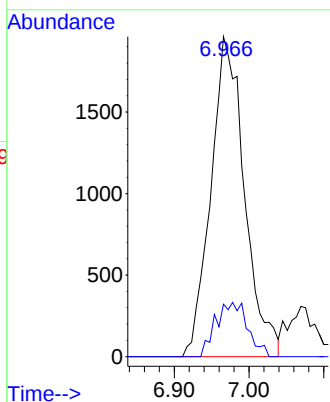
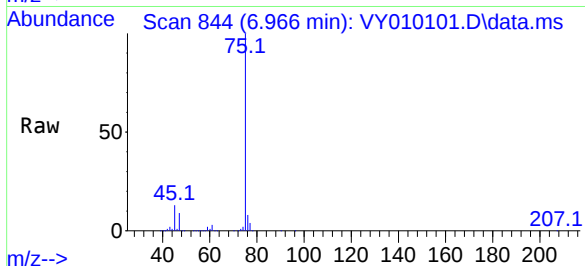




#25
2-Butanone
Concen: 9.860 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

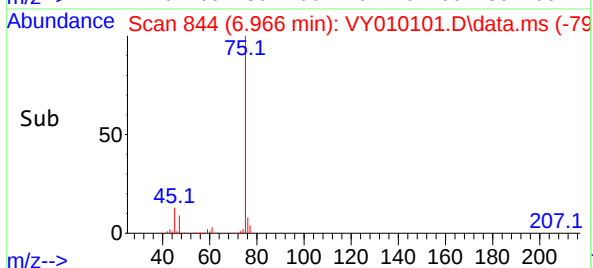
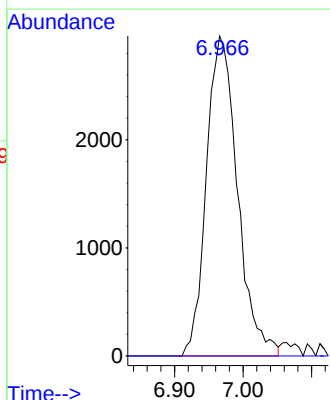
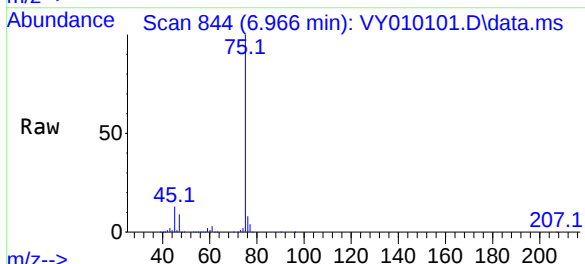
Instrument :
MSVOA_Y
ClientSampleId :
BLK

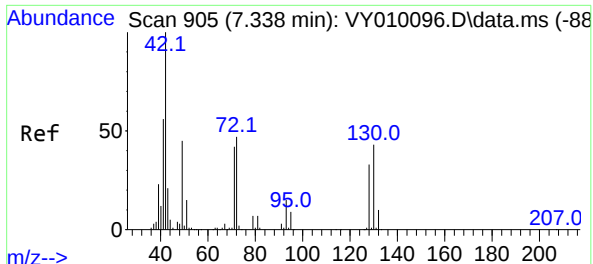
Tgt Ion: 43 Resp: 6136
Ion Ratio Lower Upper
43 100
72 16.4 23.2 34.8#



#26
2,2-Dichloropropane
Concen: 3.199 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion: 77 Resp: 9322
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#

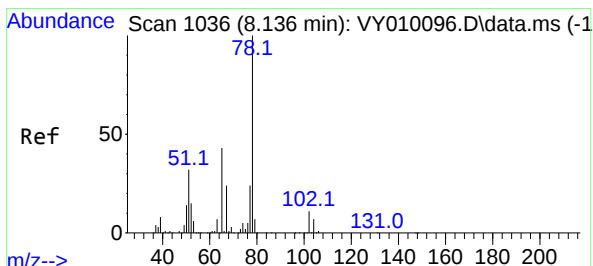
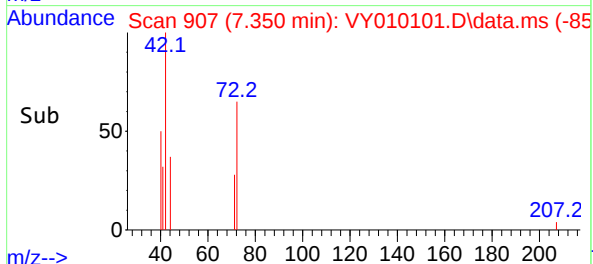
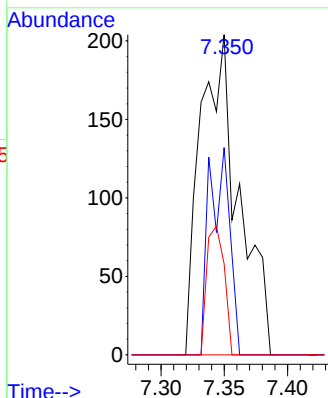
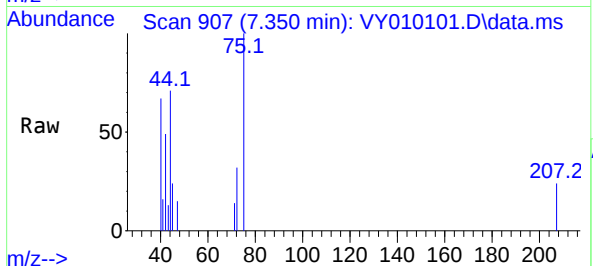




#29
Tetrahydrofuran
Concen: 1.086 ug/l
RT: 7.350 min Scan# 905
Delta R.T. 0.012 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

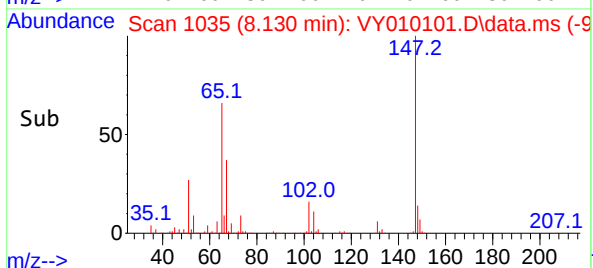
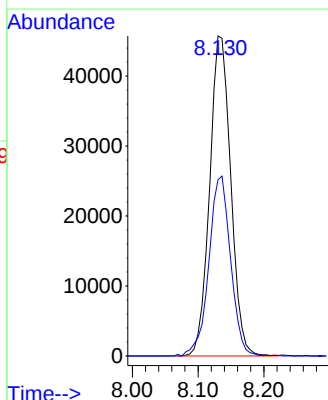
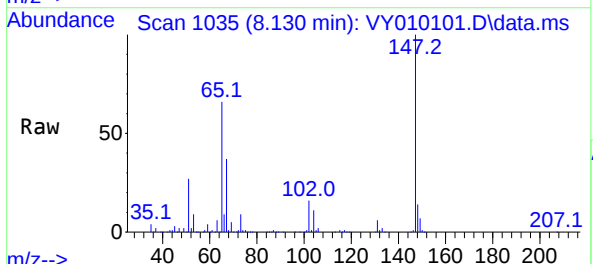
Instrument :
MSVOA_Y
ClientSampleId :
BLK

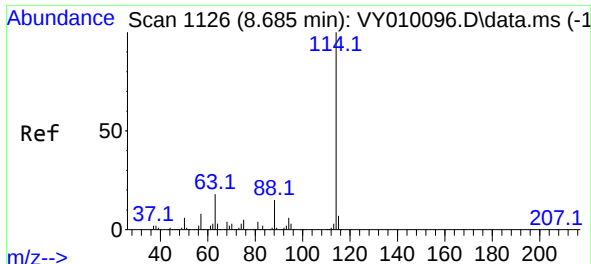
Tgt Ion:	42	Resp:	432
Ion	Ratio	Lower	Upper
42	100		
72	33.8	37.4	56.0#
71	18.3	34.9	52.3#



#33
1,2-Dichloroethane-d4
Concen: 66.129 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion:	65	Resp:	102214
Ion	Ratio	Lower	Upper
65	100		
67	57.8	0.0	110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010101.D

Acq: 19 Aug 2022 14:05

Instrument :

MSVOA_Y

ClientSampleId :

BLK

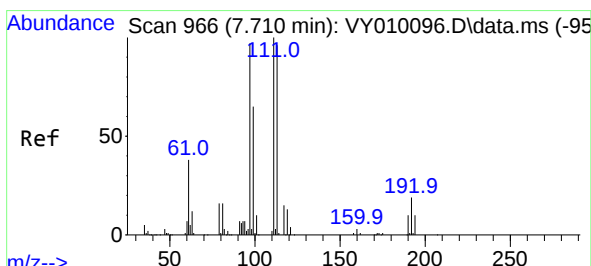
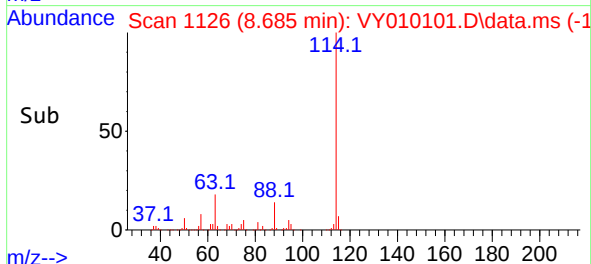
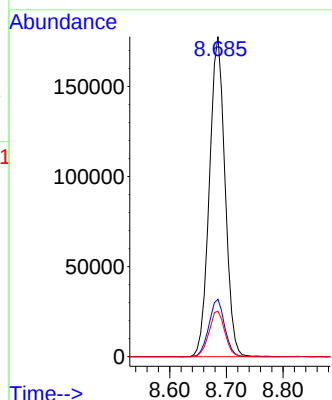
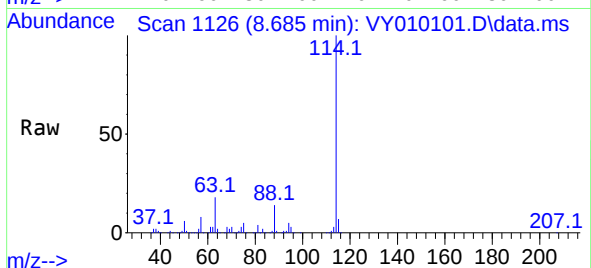
Tgt Ion:114 Resp: 339114

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

88 14.2 0.0 29.6



#35

Dibromofluoromethane

Concen: 54.832 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010101.D

Acq: 19 Aug 2022 14:05

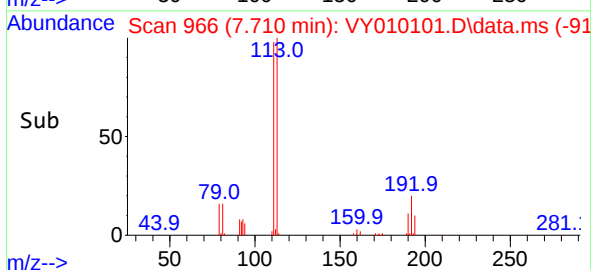
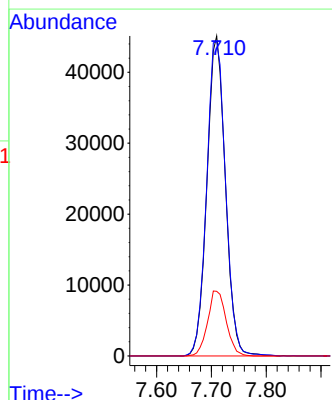
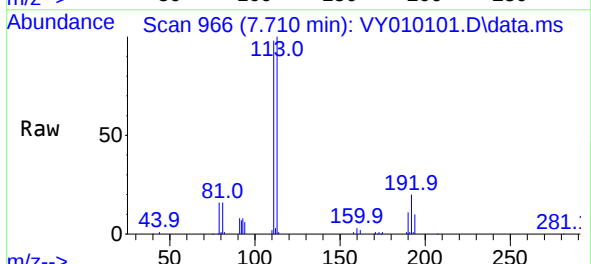
Tgt Ion:113 Resp: 104776

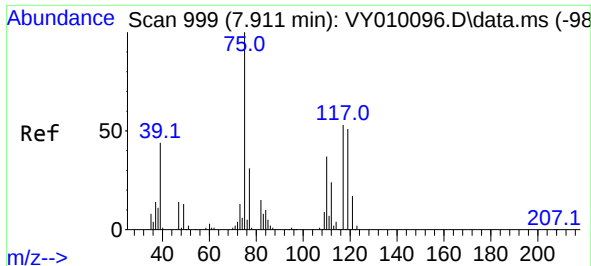
Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 20.6 16.3 24.5

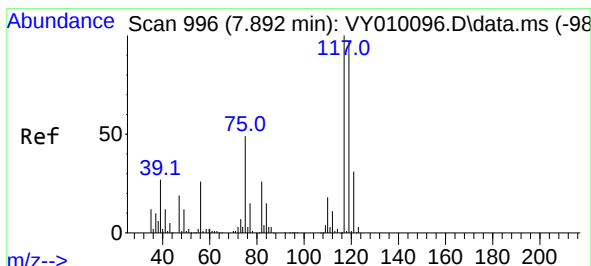
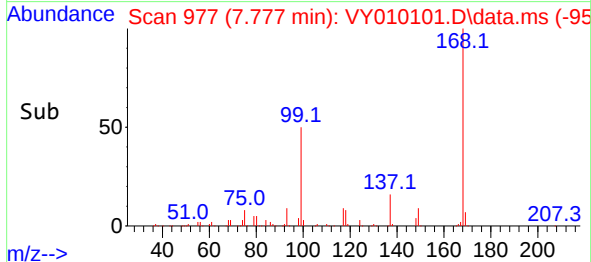
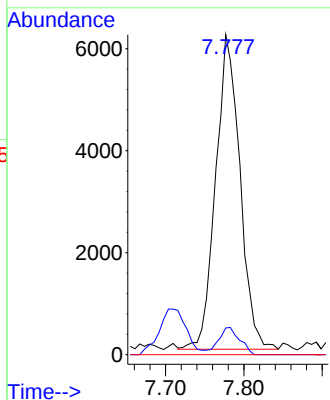
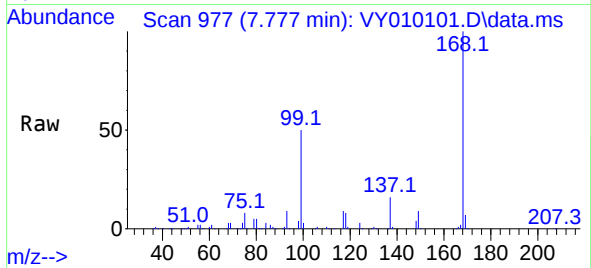




#36
1,1-Dichloropropene
Concen: 4.360 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

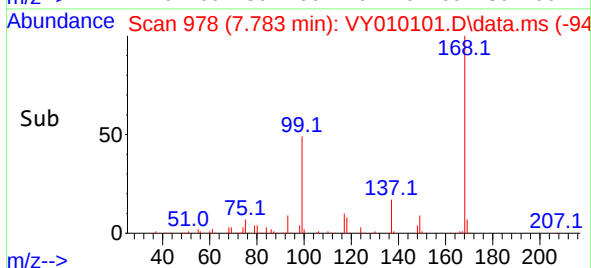
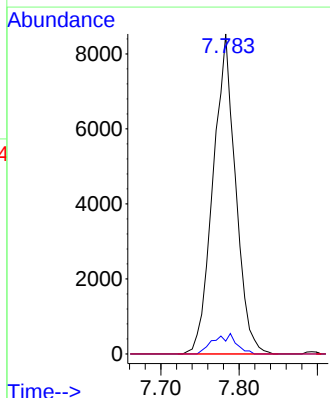
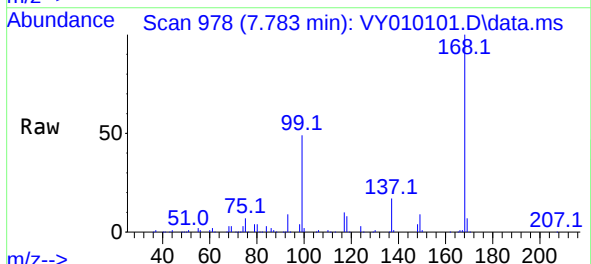
Instrument :
MSVOA_Y
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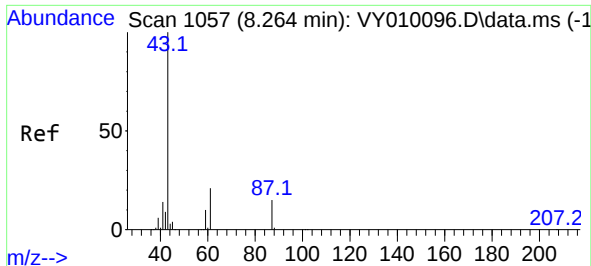
Tgt Ion: 75 Resp: 13299
Ion Ratio Lower Upper
75 100
110 7.7 18.6 56.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion: 117 Resp: 17054
Ion Ratio Lower Upper
117 100
119 4.0 77.1 115.7#
121 0.0 24.7 37.1#

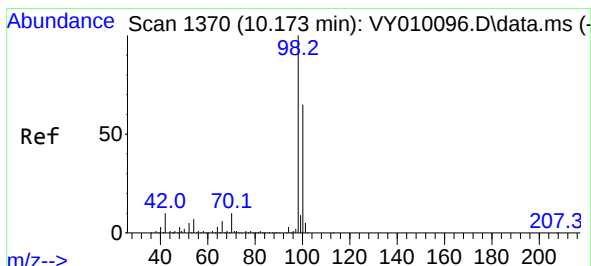
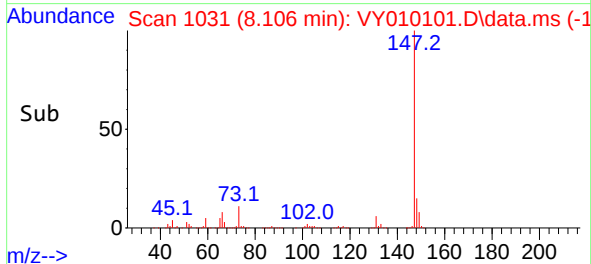
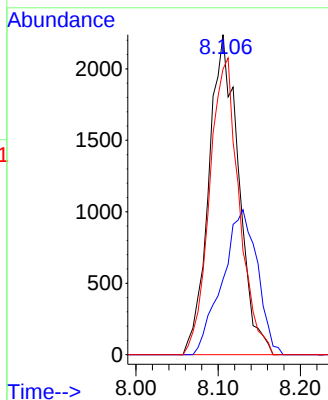
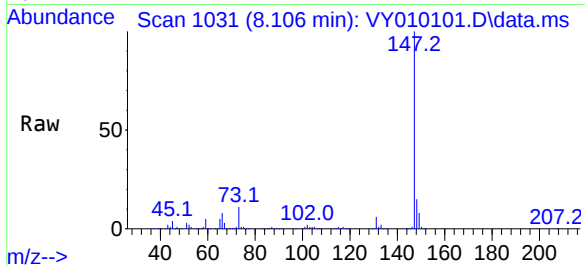




#43
Isopropyl Acetate
Concen: 2.019 ug/l
RT: 8.106 min Scan# 1031
Delta R.T. -0.158 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

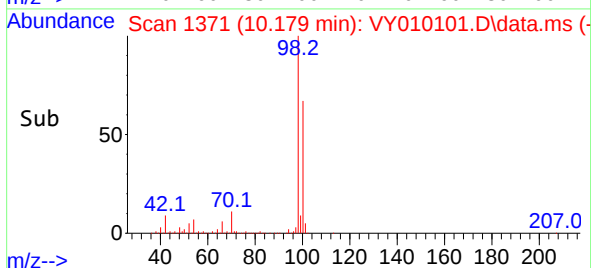
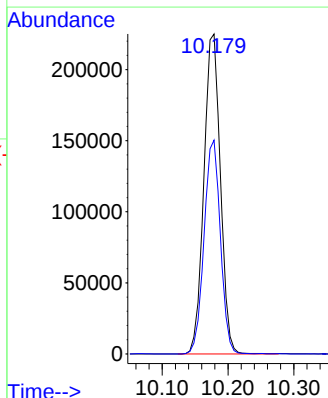
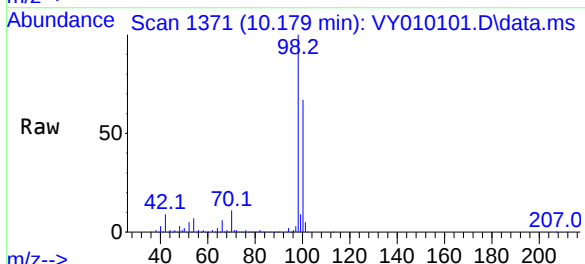
Instrument :
MSVOA_Y
ClientSampleId :
BLK

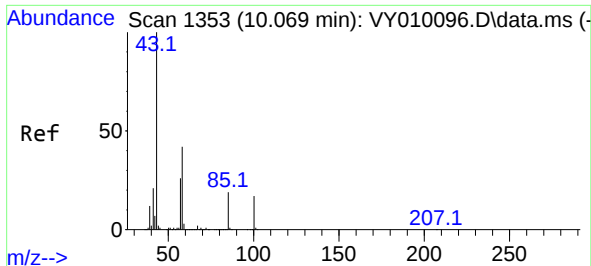
Tgt Ion: 43 Resp: 5644
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#
87 91.8 11.9 17.9#



#50
Toluene-d8
Concen: 54.976 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion: 98 Resp: 393633
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

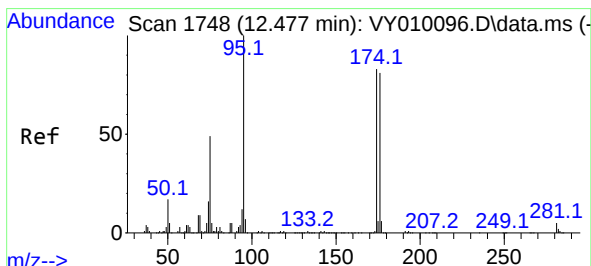
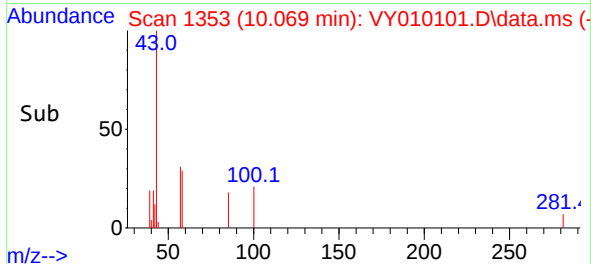
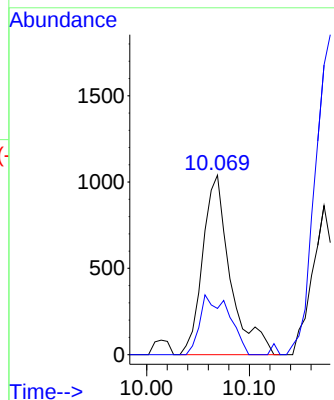
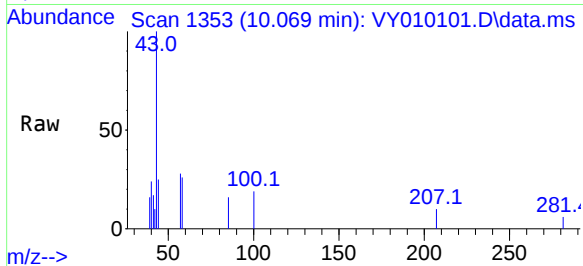




#51
4-Methyl-2-Pentanone
Concen: 1.285 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

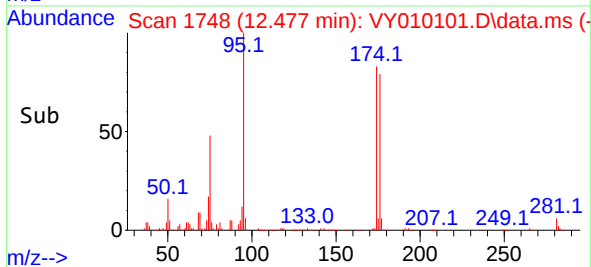
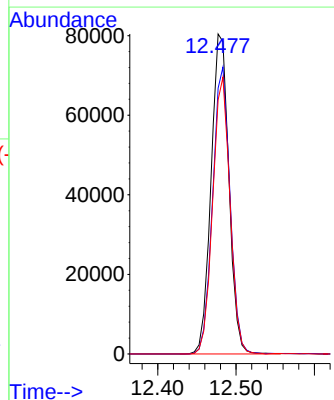
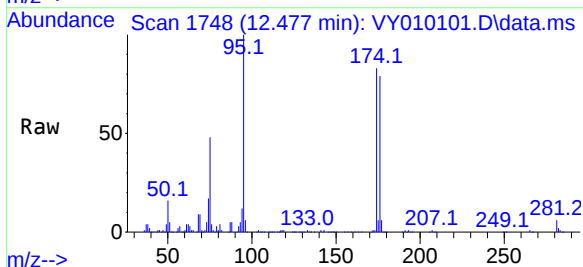
Instrument :
MSVOA_Y
ClientSampleId :
BLK

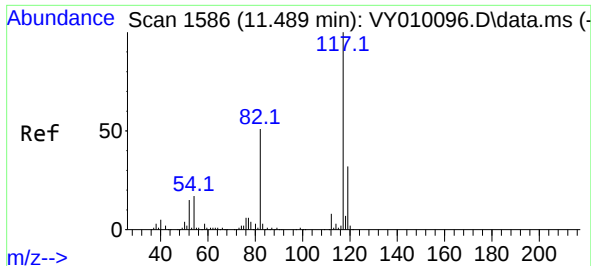
Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
58 35.2 33.3 49.9



#62
4-Bromofluorobenzene
Concen: 49.640 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion: 95 Resp: 126992
Ion Ratio Lower Upper
95 100
174 87.4 0.0 173.8
176 84.0 0.0 167.2

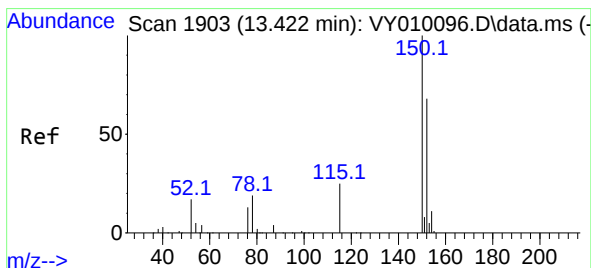
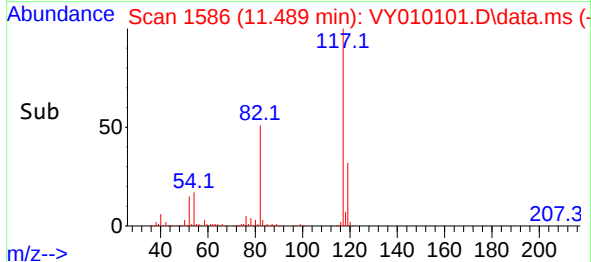
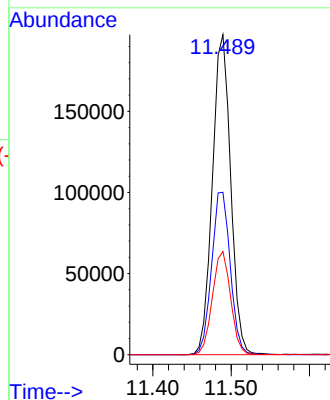
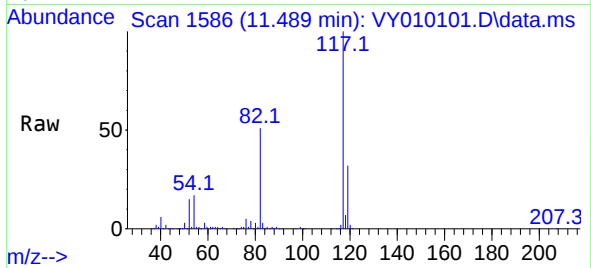




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

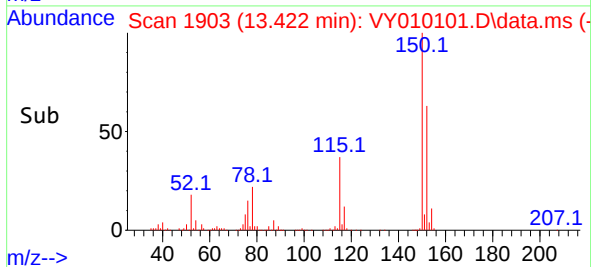
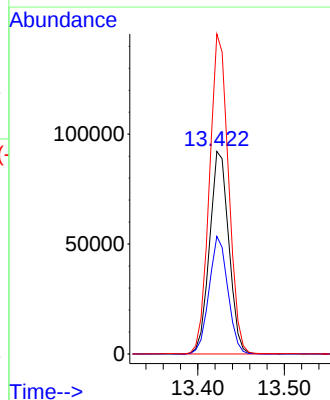
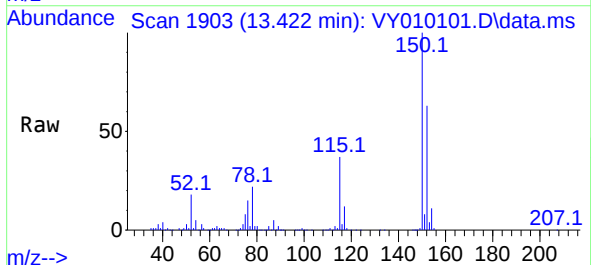
Instrument :
MSVOA_Y
ClientSampleId :
BLK

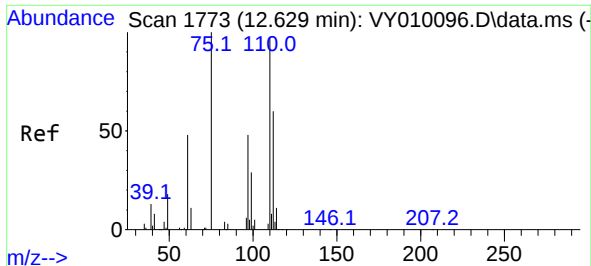
Tgt Ion:117 Resp: 320054
Ion Ratio Lower Upper
117 100
82 50.8 40.6 61.0
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Tgt Ion:152 Resp: 142261
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.2
150 156.4 0.0 346.2

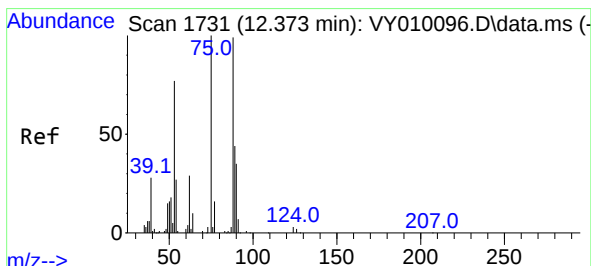
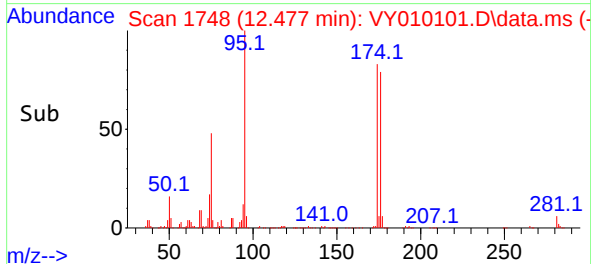
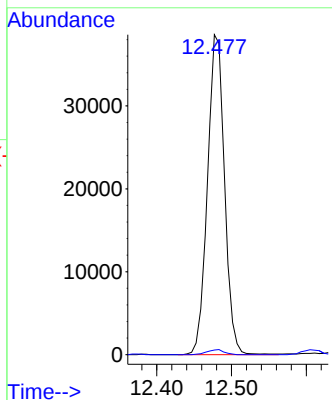
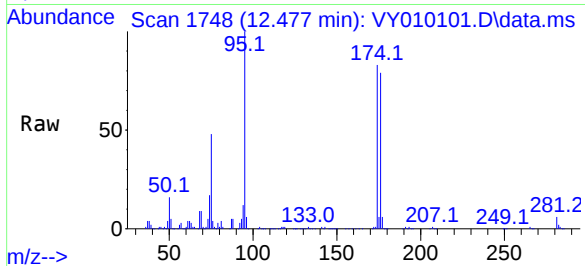




#76
1,2,3-Trichloropropane
Concen: 45.997 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

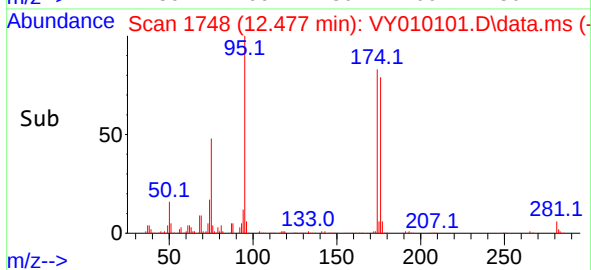
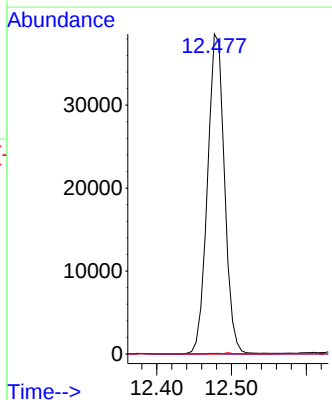
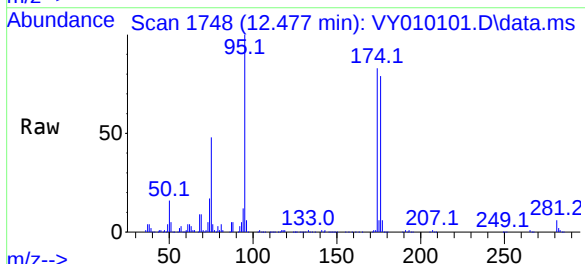
Instrument :
MSVOA_Y
ClientSampleId :
BLK

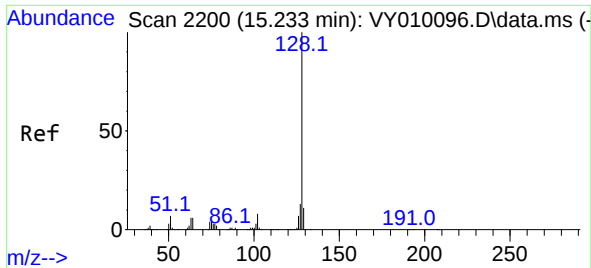
Tgt Ion: 75 Resp: 61282
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.385 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

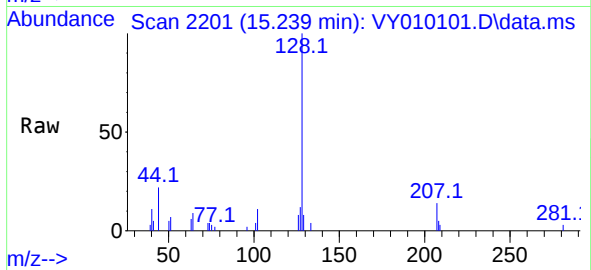
Tgt Ion: 75 Resp: 61282
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.2 36.8 55.2#





#95
Naphthalene
Concen: 4.600 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY010101.D
Acq: 19 Aug 2022 14:05

Instrument :
MSVOA_Y
ClientSampleId :
BLK



Tgt Ion:	128	Resp:	4139
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.1	8.9	13.3

