

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010291.D
 Acq On : 02 Sep 2022 20:01
 Operator : KP/MD
 Sample : N4469-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 02 22:54:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

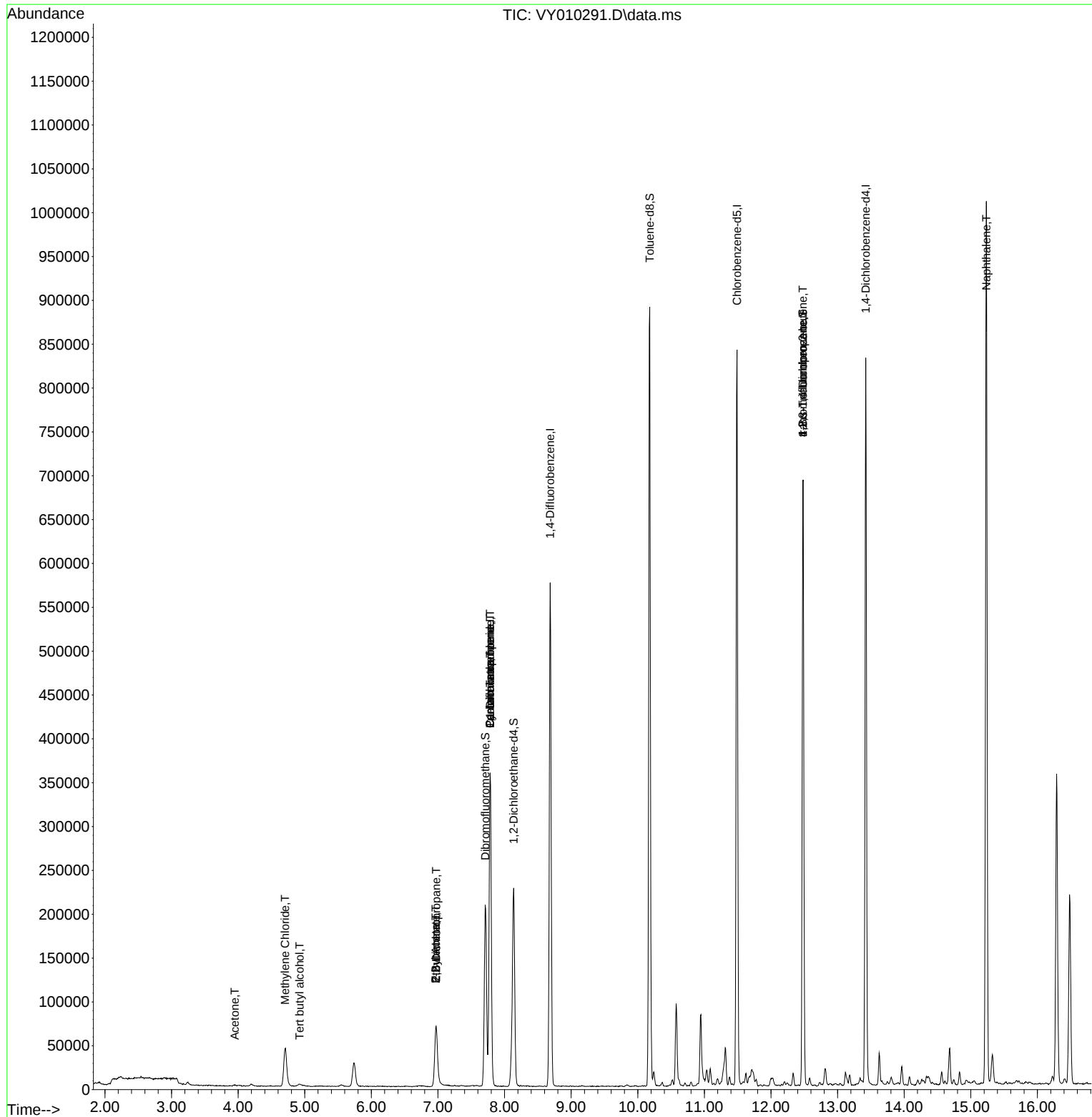
Internal Standards						
1) Pentafluorobenzene	7.783	168	287952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	488605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	456379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	212716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	164292	55.643	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.280%			
35) Dibromofluoromethane	7.710	113	148131	45.540	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.080%			
50) Toluene-d8	10.179	98	584182	53.643	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.280%			
62) 4-Bromofluorobenzene	12.477	95	208724	47.548	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.100%			
Target Compounds						Qvalue
5) Bromomethane	2.668	94	797	Below Cal		95
11) Tert butyl alcohol	4.924	59	3653	10.342 ug/l #		89
16) Acetone	3.948	43	2122	2.875 ug/l #		61
20) Methylene Chloride	4.704	84	33330	9.357 ug/l		82
25) 2-Butanone	6.966	43	4015	3.314 ug/l		91
26) 2,2-Dichloropropane	6.972	77	5469	1.017 ug/l #		55
31) Cyclohexane	7.783	56	5916	1.027 ug/l #		1
36) 1,1-Dichloropropene	7.783	75	21367	4.477 ug/l #		50
37) Ethyl Acetate	6.966	43	4015	1.467 ug/l #		1
38) Carbon Tetrachloride	7.783	117	27258	5.542 ug/l #		15
76) 1,2,3-Trichloropropane	12.477	75	107471	42.455 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.477	75	107471	88.566 ug/l #		7
95) Naphthalene	15.233	128	818460	95.384 ug/l		98

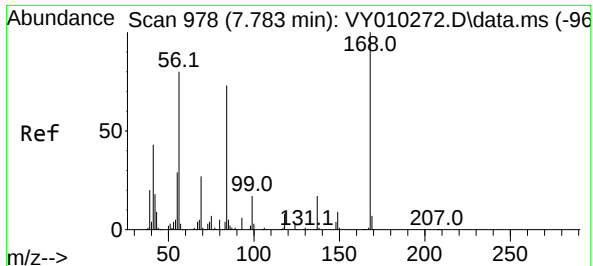
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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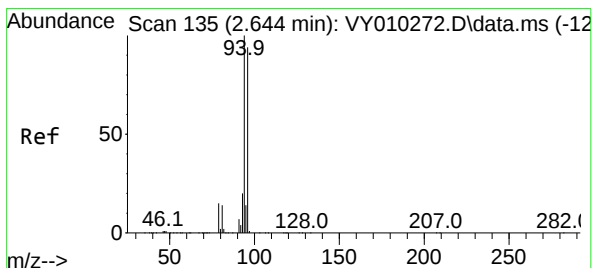
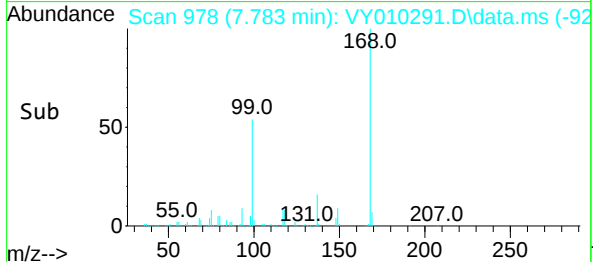
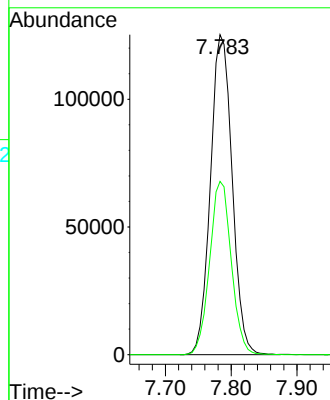
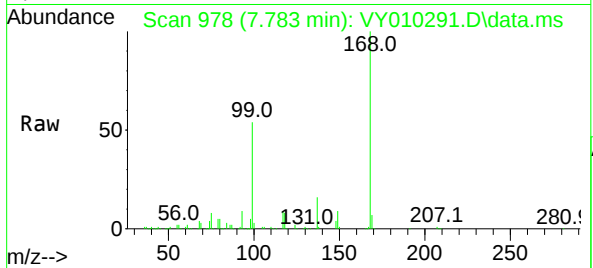




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

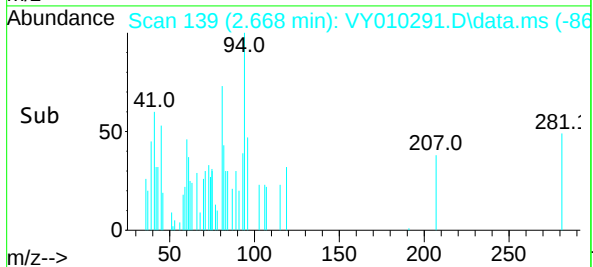
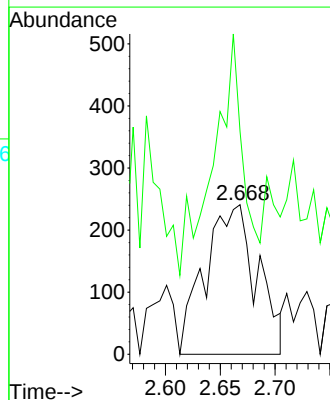
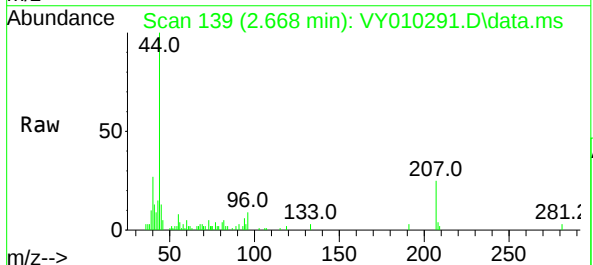
Instrument :
MSVOA_Y
ClientSampleId :

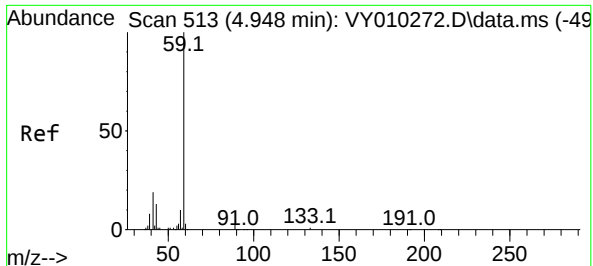
Tgt Ion:168 Resp: 287952
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.024 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

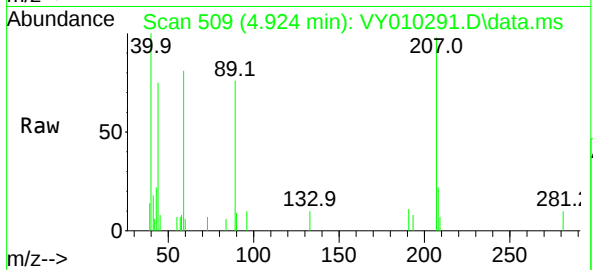
Tgt Ion: 94 Resp: 797
Ion Ratio Lower Upper
94 100
96 96.3 73.5 110.3



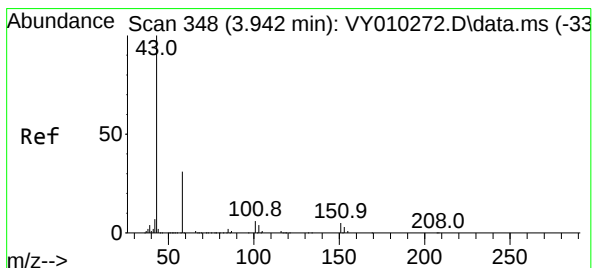
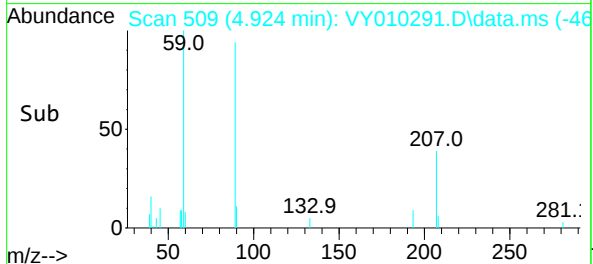
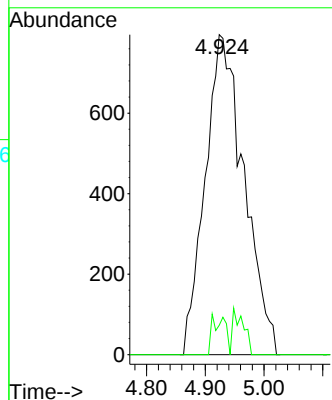


#11
Tert butyl alcohol
Concen: 10.342 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

Instrument :
MSVOA_Y
ClientSampleId :

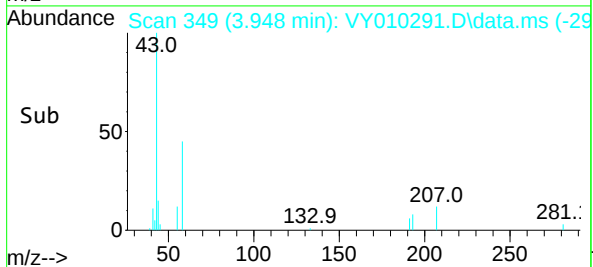
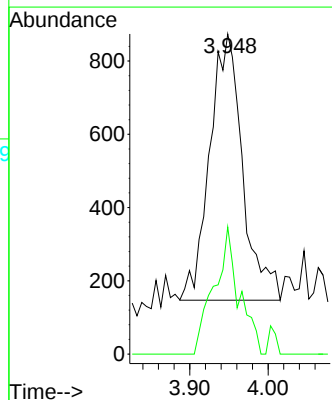
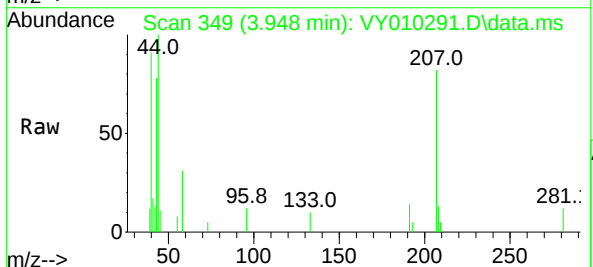


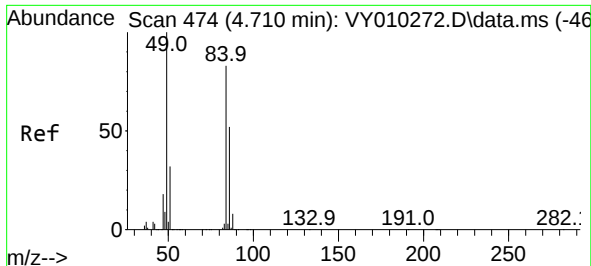
Tgt Ion: 59 Resp: 3653
Ion Ratio Lower Upper
59 100
57 4.1 6.4 9.6#



#16
Acetone
Concen: 2.875 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

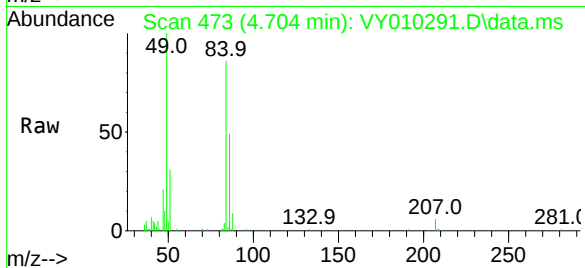
Tgt Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
58 47.7 22.0 33.0#



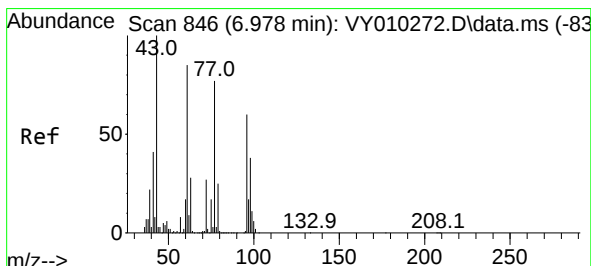
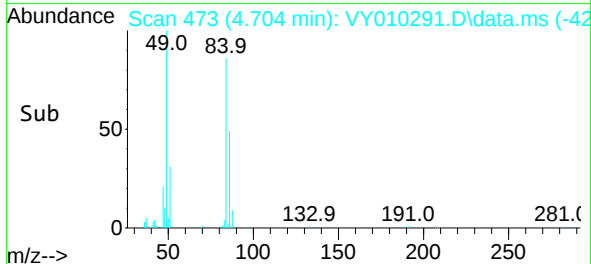
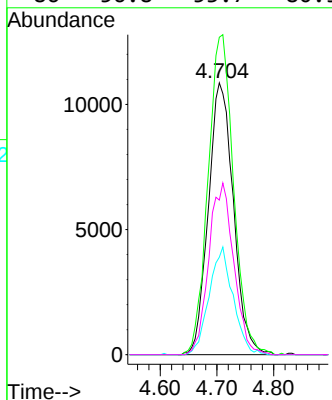


#20
Methylene Chloride
Concen: 9.357 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

Instrument :
MSVOA_Y
ClientSampleId :

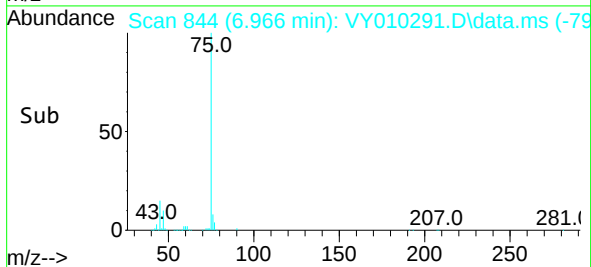
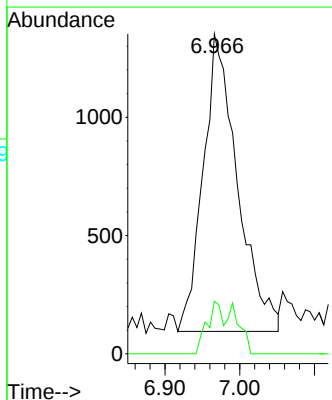
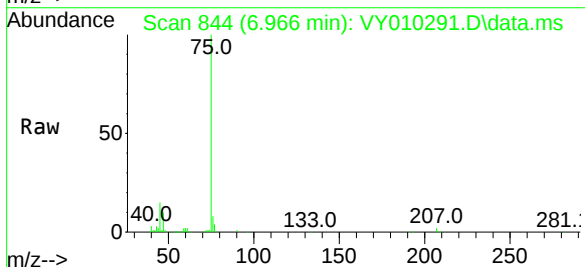


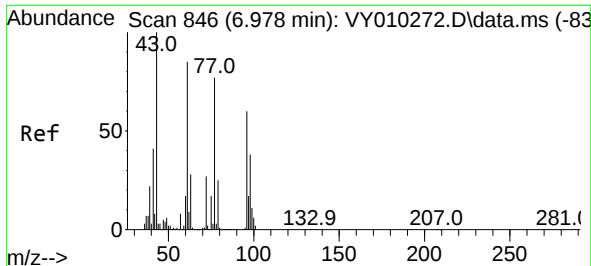
Tgt Ion:	84	Resp:	33330
Ion	Ratio	Lower	Upper
84	100		
49	116.8	114.4	171.6
51	35.9	35.3	52.9
86	56.8	53.7	80.5



#25
2-Butanone
Concen: 3.314 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

Tgt Ion:	43	Resp:	4015
Ion	Ratio	Lower	Upper
43	100		
72	17.7	17.7	26.5





#26

2,2-Dichloropropane

Concen: 1.017 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

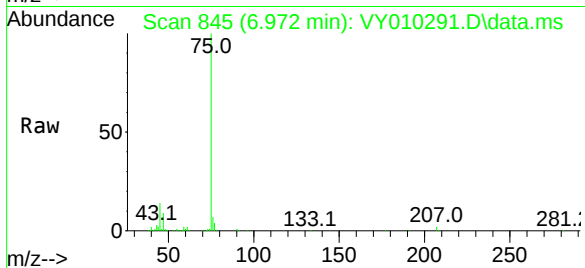
Lab File: VY010291.D

Acq: 02 Sep 2022 20:01

Instrument :

MSVOA_Y

ClientSampleId :

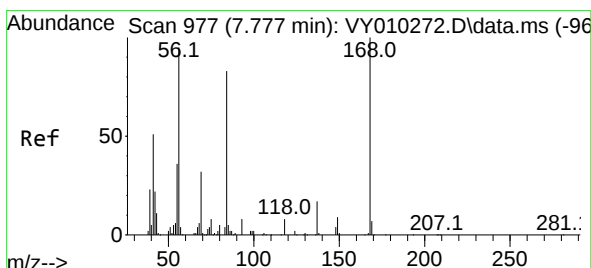
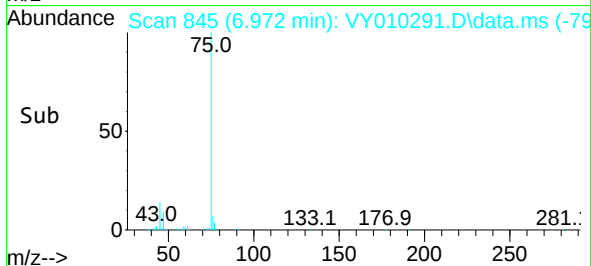
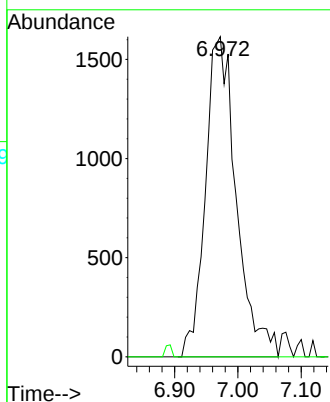


Tgt Ion: 77 Resp: 5469

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010291.D

Acq: 02 Sep 2022 20:01

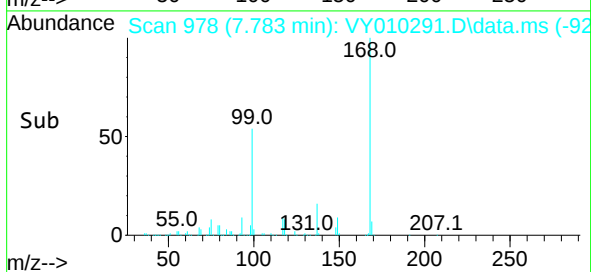
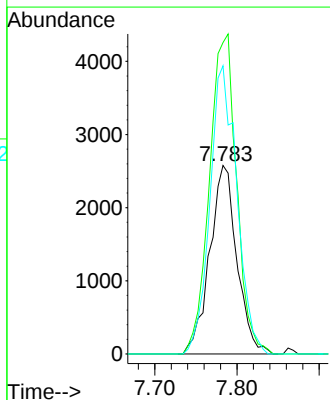
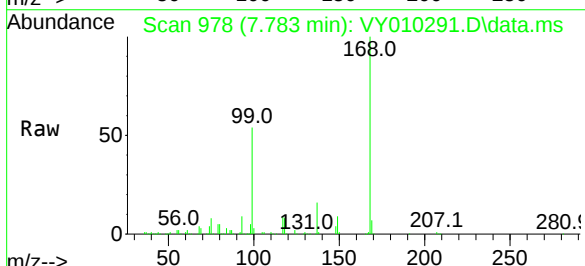
Tgt Ion: 56 Resp: 5916

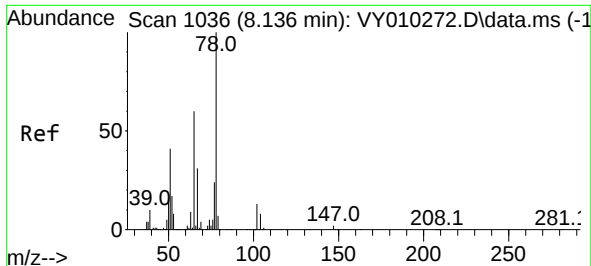
Ion Ratio Lower Upper

56 100

69 165.2 26.7 40.1#

84 152.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.643 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY010291.D

Acq: 02 Sep 2022 20:01

Instrument :

MSVOA_Y

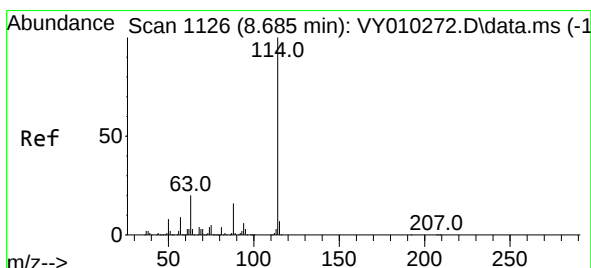
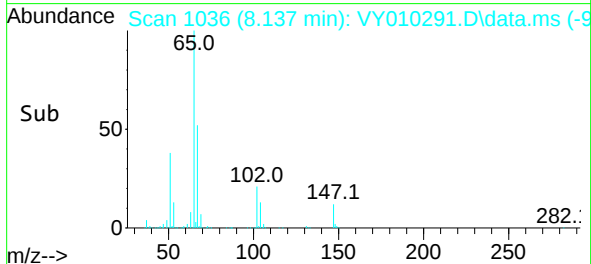
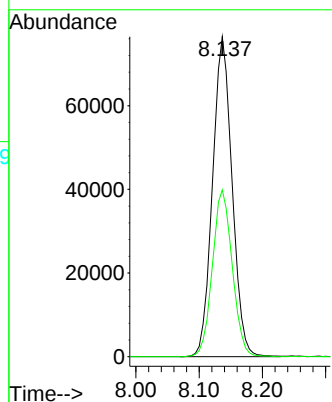
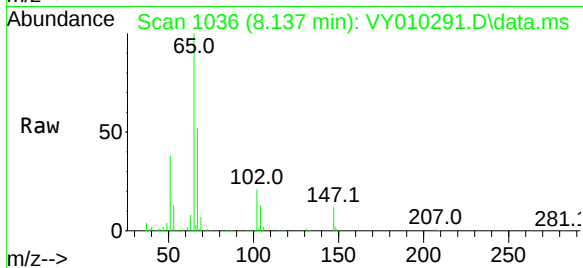
ClientSampleId :

Tgt Ion: 65 Resp: 164292

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010291.D

Acq: 02 Sep 2022 20:01

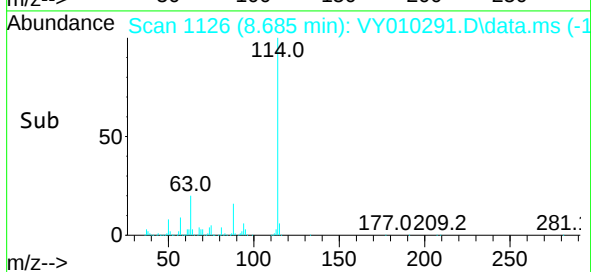
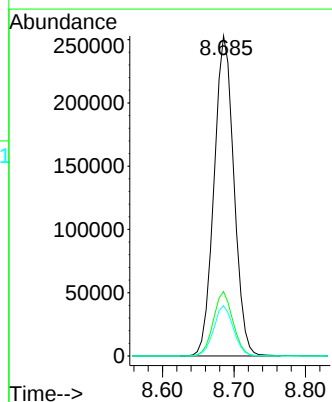
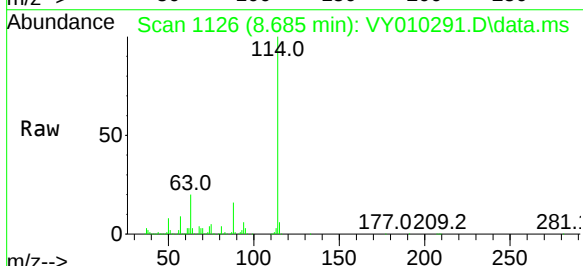
Tgt Ion: 114 Resp: 488605

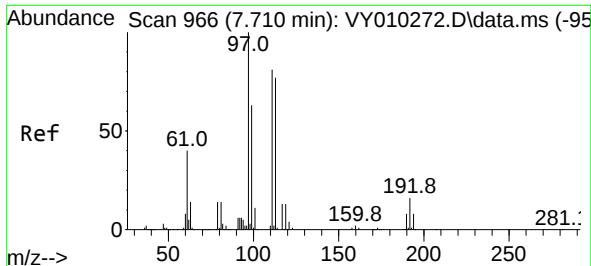
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.7 0.0 31.8

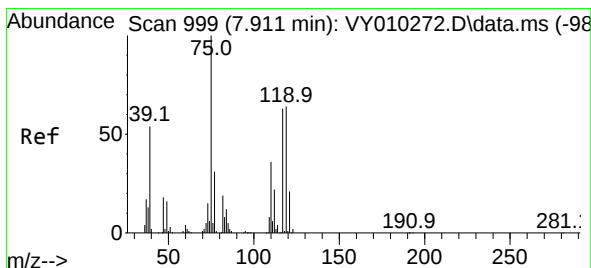
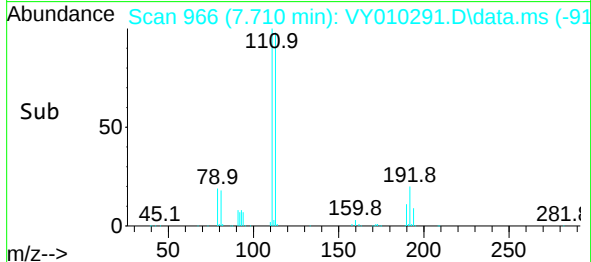
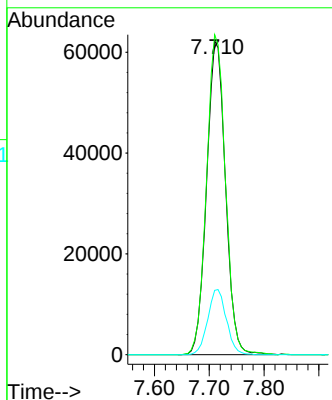
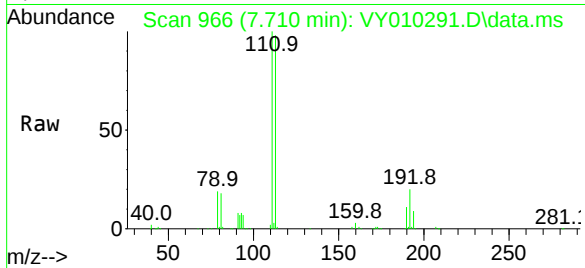




#35
Dibromofluoromethane
Concen: 45.540 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

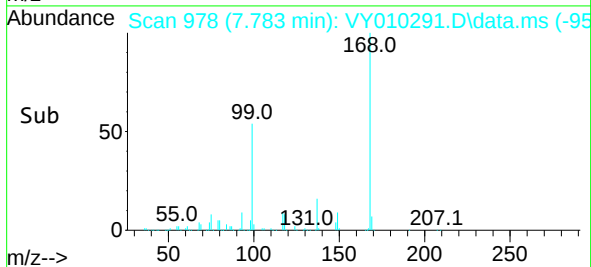
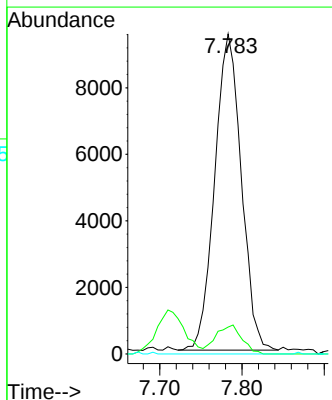
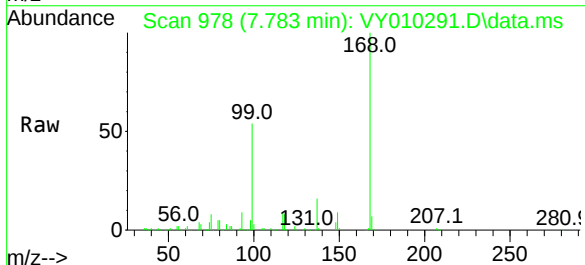
Instrument :
MSVOA_Y
ClientSampleId :

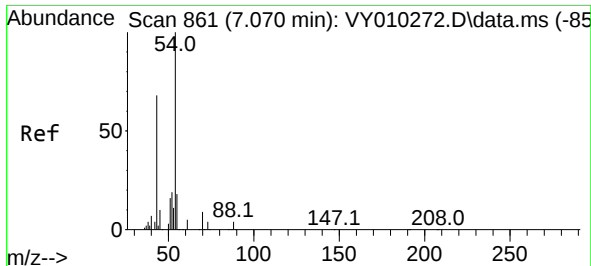
Tgt Ion:113 Resp: 148131
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.477 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

Tgt Ion: 75 Resp: 21367
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.467 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

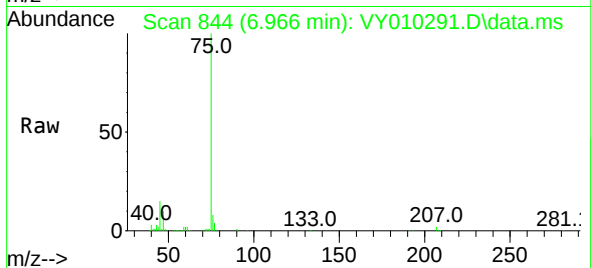
Lab File: VY010291.D

Acq: 02 Sep 2022 20:01

Instrument :

MSVOA_Y

ClientSampleId :



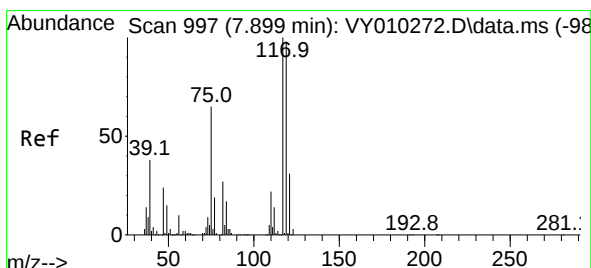
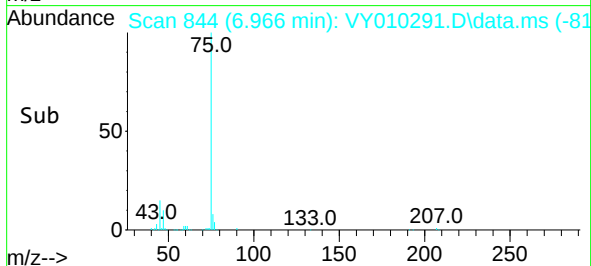
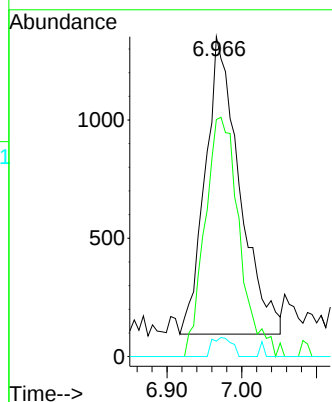
Tgt Ion: 43 Resp: 4015

Ion Ratio Lower Upper

43 100

61 80.6 9.7 14.5#

70 3.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.542 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010291.D

Acq: 02 Sep 2022 20:01

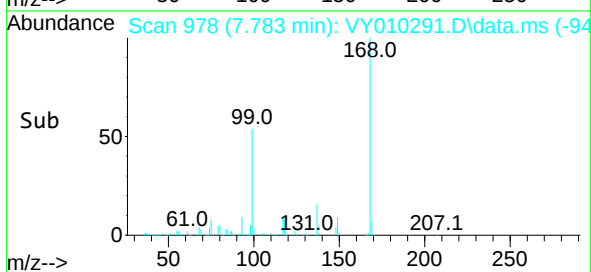
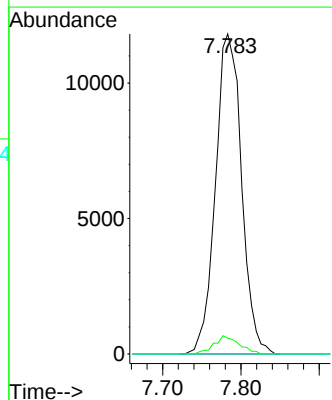
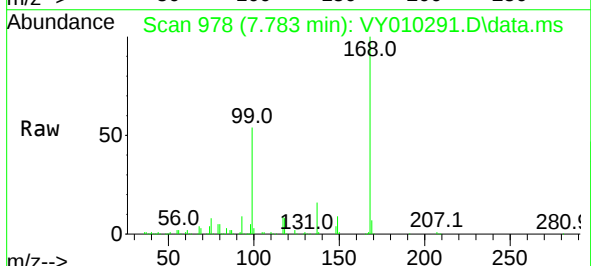
Tgt Ion: 117 Resp: 27258

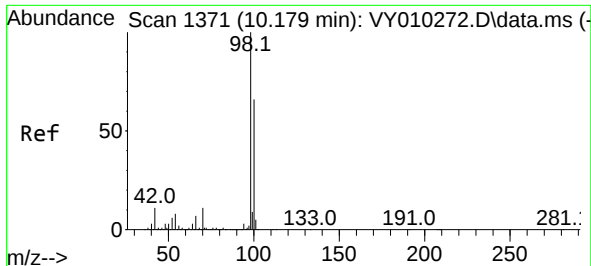
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 24.8 37.2#

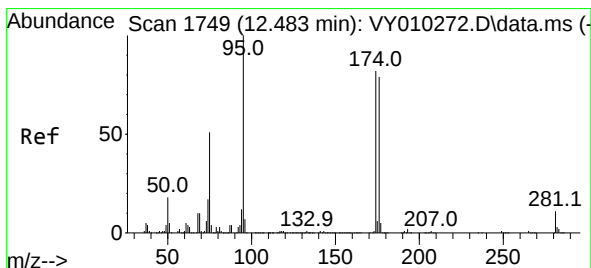
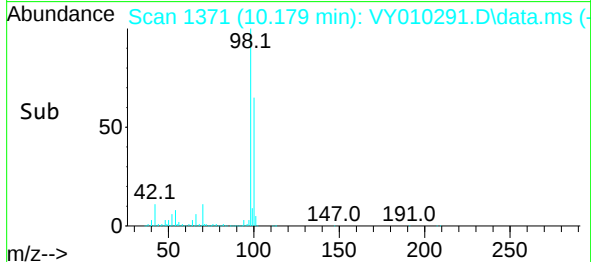
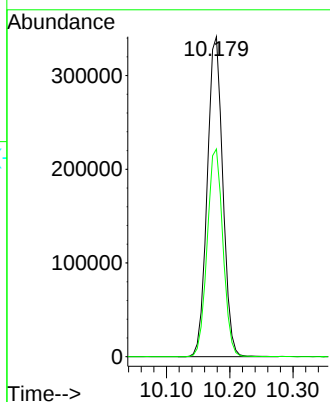
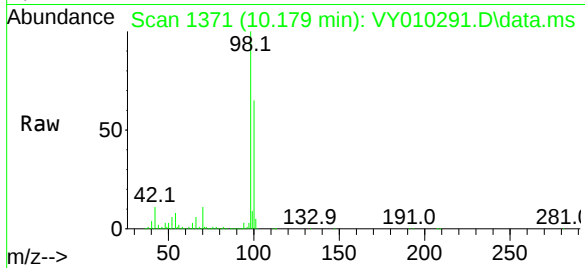




#50
Toluene-d8
Concen: 53.643 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

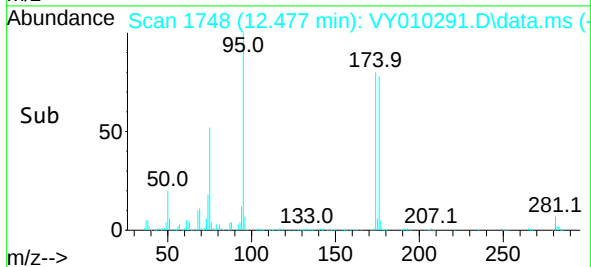
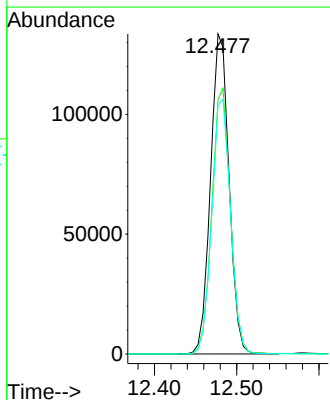
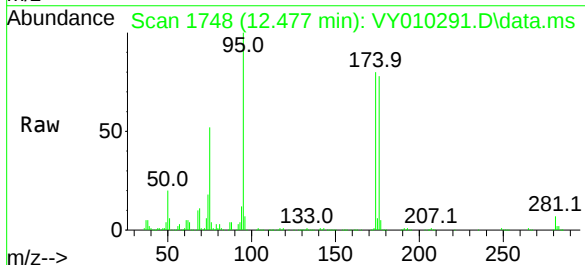
Instrument :
MSVOA_Y
ClientSampleId :

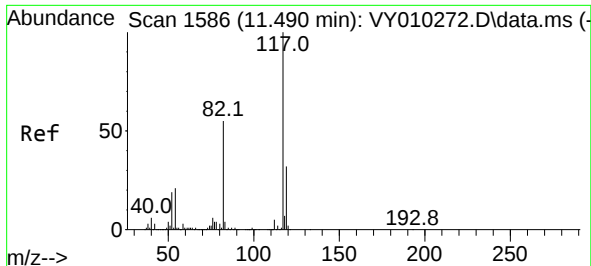
Tgt Ion: 98 Resp: 584182
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.548 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

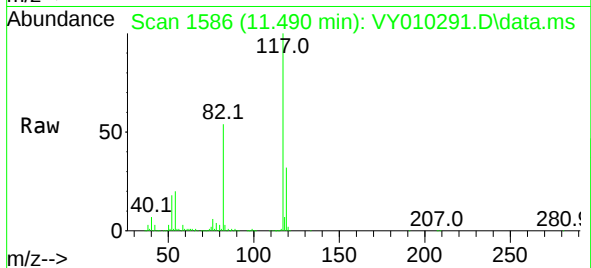
Tgt Ion: 95 Resp: 208724
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.7 0.0 175.8



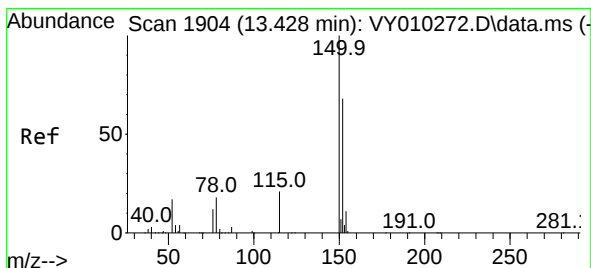
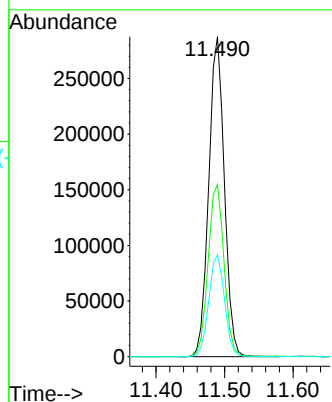
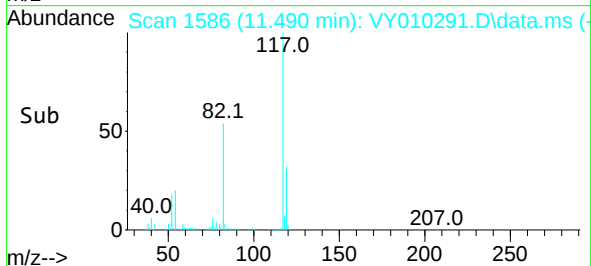


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

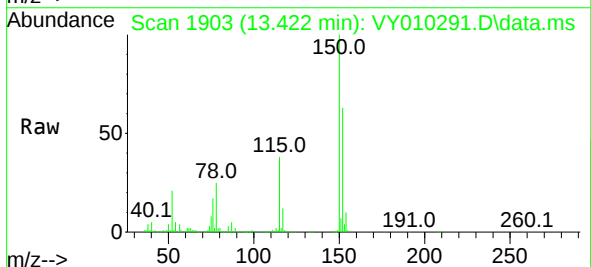
Instrument :
MSVOA_Y
ClientSampleId :



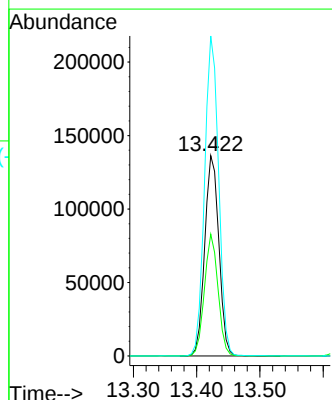
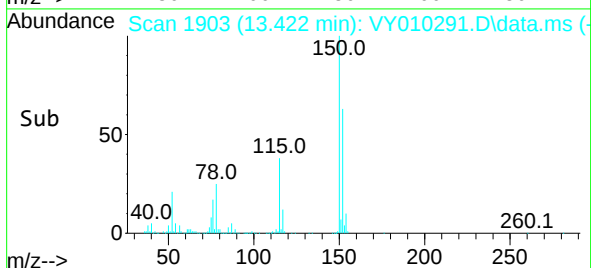
Tgt Ion:117 Resp: 456379
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.9 25.4 38.0

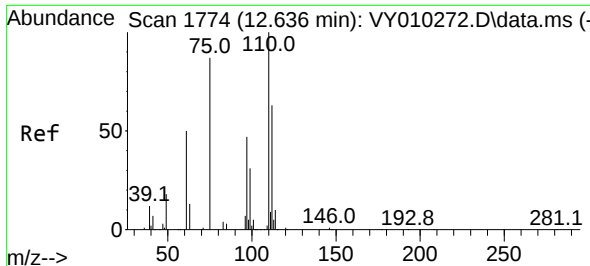


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01



Tgt Ion:152 Resp: 212716
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 158.4 0.0 347.6

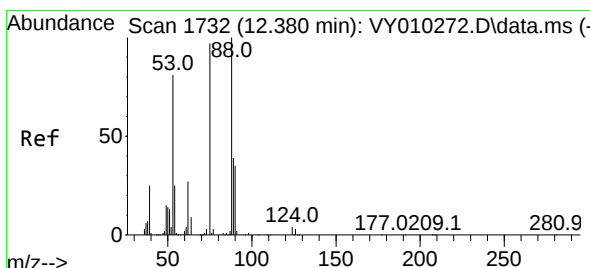
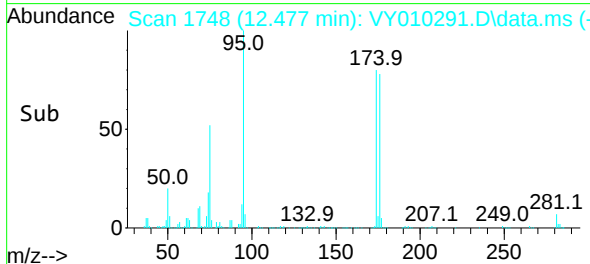
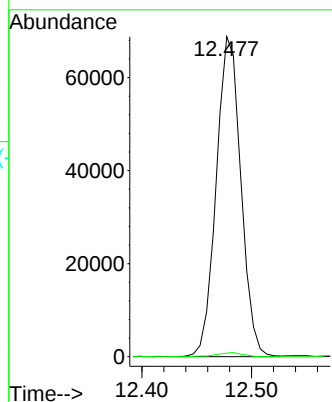
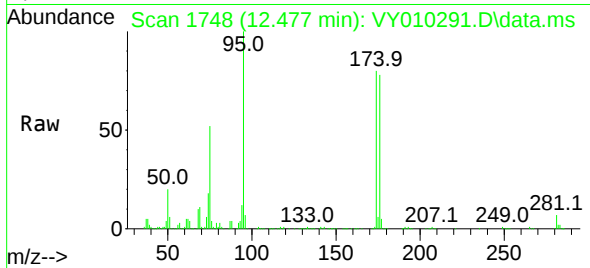




#76
1,2,3-Trichloropropane
Concen: 42.455 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

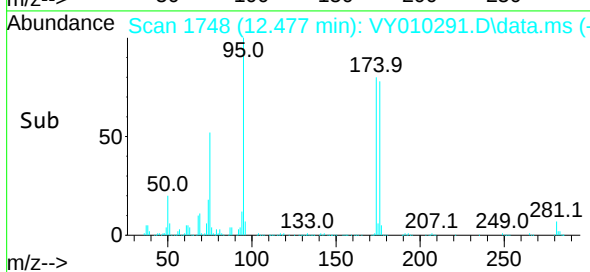
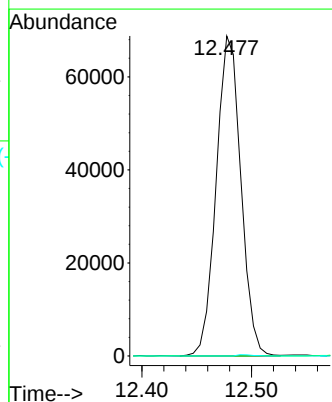
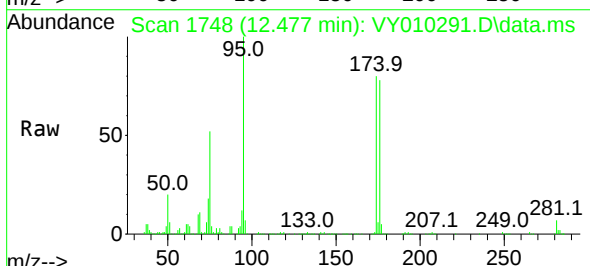
Instrument :
MSVOA_Y
ClientSampleId :

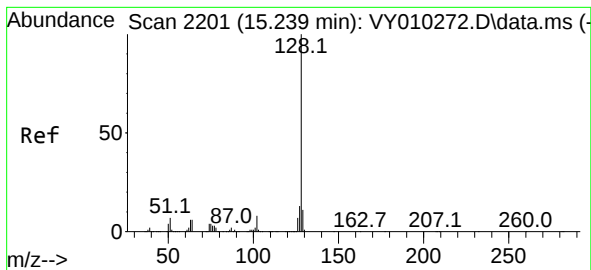
Tgt Ion: 75 Resp: 107471
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.566 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

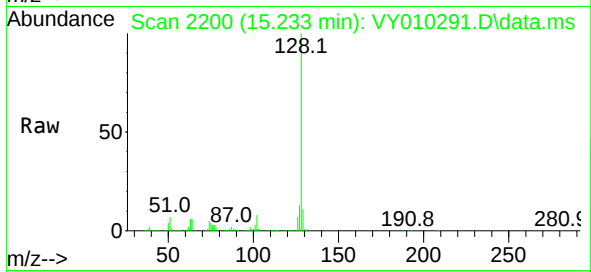
Tgt Ion: 75 Resp: 107471
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#





#95
Naphthalene
Concen: 95.384 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY010291.D
Acq: 02 Sep 2022 20:01

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 818460
Ion Ratio Lower Upper
128 100
127 12.7 11.0 16.4
129 11.0 8.4 12.6

