

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010287.D
 Acq On : 02 Sep 2022 18:28
 Operator : KP/MD
 Sample : N4423-04
 Misc : 6.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

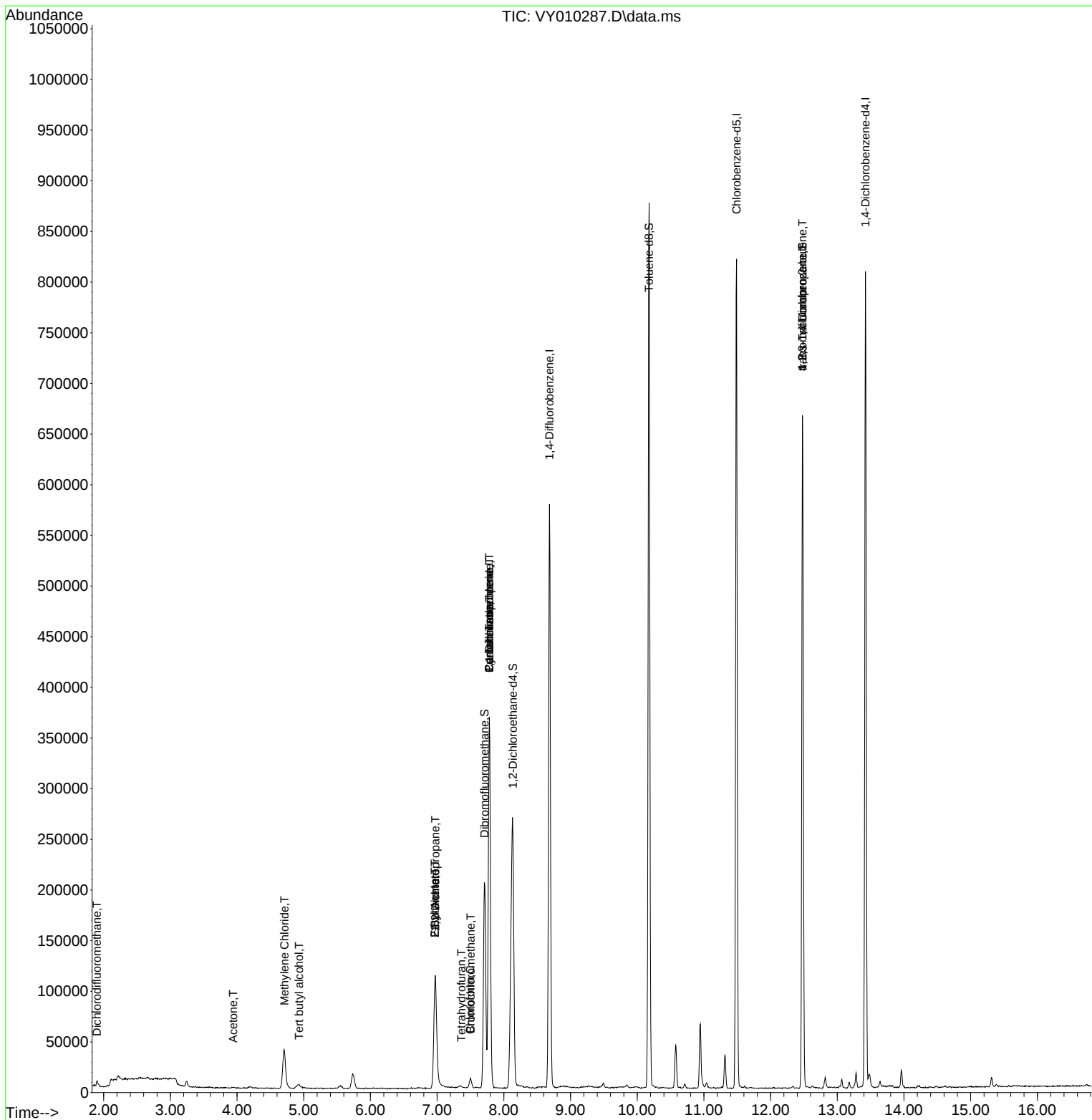
Quant Time: Sep 02 22:54:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

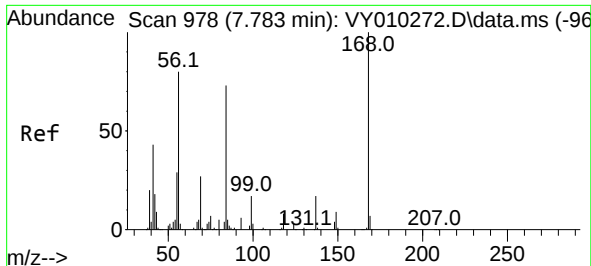
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	288560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	491179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	450421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	212304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	164655	55.648	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.300%
35) Dibromofluoromethane	7.710	113	147804	45.202	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.400%
50) Toluene-d8	10.179	98	585765	53.506	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.020%
62) 4-Bromofluorobenzene	12.477	95	206082	46.572	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.140%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	4002	1.737	ug/l	96
5) Bromomethane	2.656	94	730	Below Cal	#	54
11) Tert butyl alcohol	4.930	59	5136	14.509	ug/l #	87
16) Acetone	3.942	43	1464	1.979	ug/l	91
20) Methylene Chloride	4.710	84	28184	7.896	ug/l	88
25) 2-Butanone	6.966	43	6108	5.032	ug/l #	70
26) 2,2-Dichloropropane	6.972	77	8476	1.572	ug/l #	55
28) Bromochloromethane	7.502	49	715	1.870	ug/l #	16
29) Tetrahydrofuran	7.362	42	1369	1.760	ug/l #	64
30) Chloroform	7.496	83	8664	1.486	ug/l	90
31) Cyclohexane	7.783	56	6093	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	22412	4.671	ug/l #	51
37) Ethyl Acetate	6.966	43	6108	2.221	ug/l #	1
38) Carbon Tetrachloride	7.783	117	27362	5.534	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	105789	41.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	105789	87.349	ug/l #	7

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

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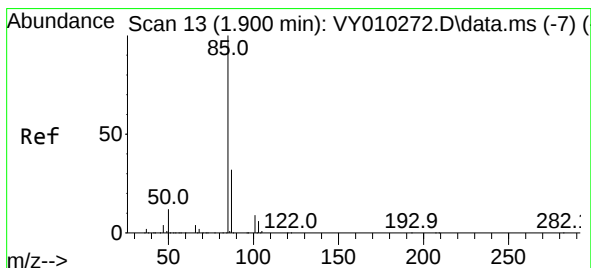
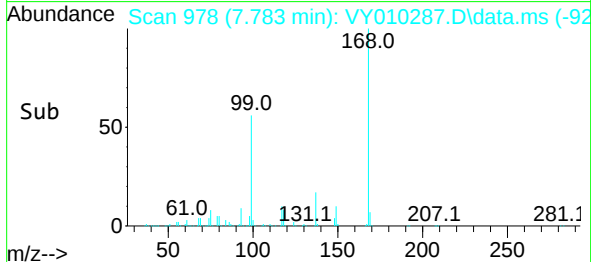
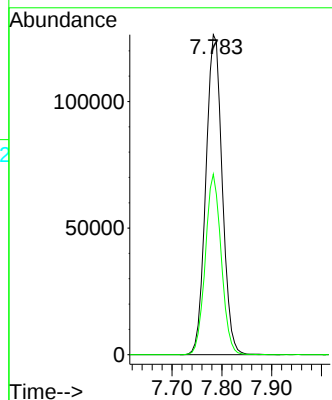
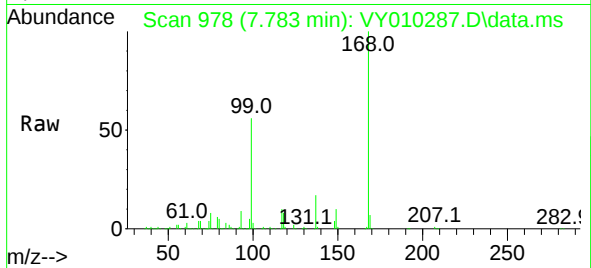




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

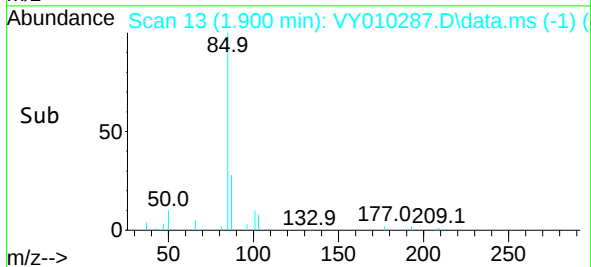
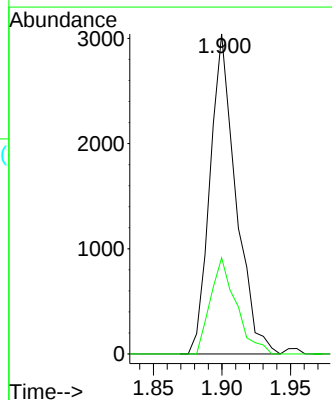
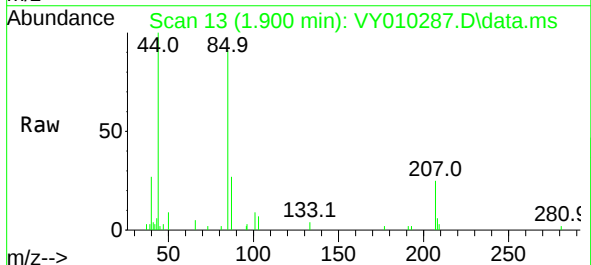
Instrument :
MSVOA_Y
ClientSampleId :

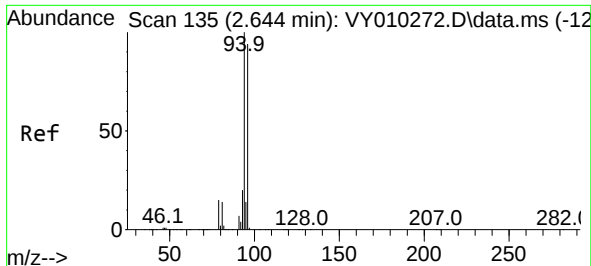
Tgt Ion:168 Resp: 288560
Ion Ratio Lower Upper
168 100
99 56.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.737 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion: 85 Resp: 4002
Ion Ratio Lower Upper
85 100
87 30.0 16.1 48.2

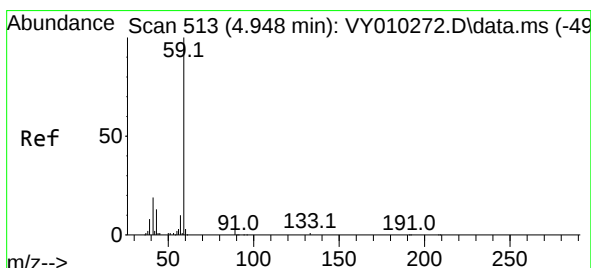
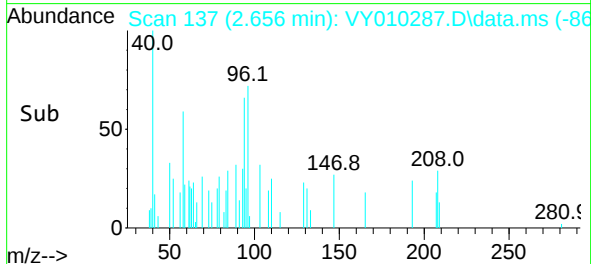
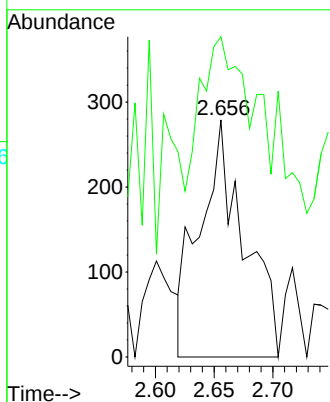
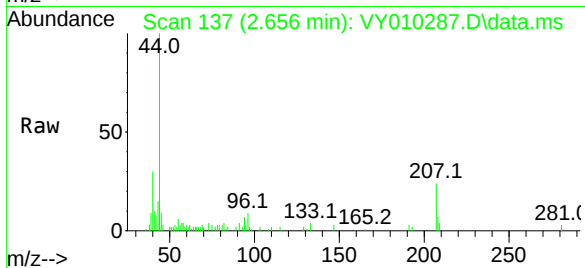




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

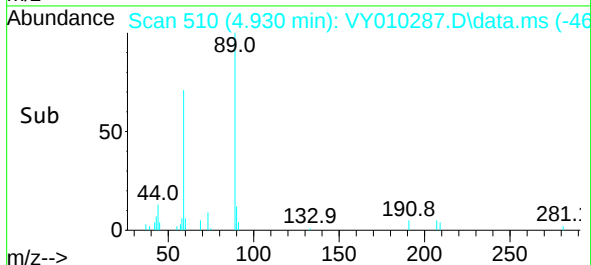
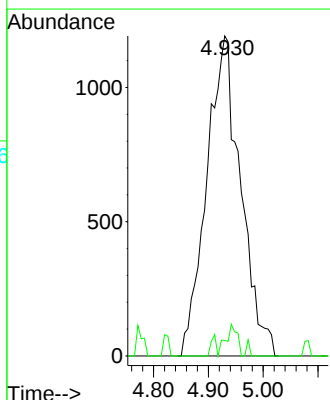
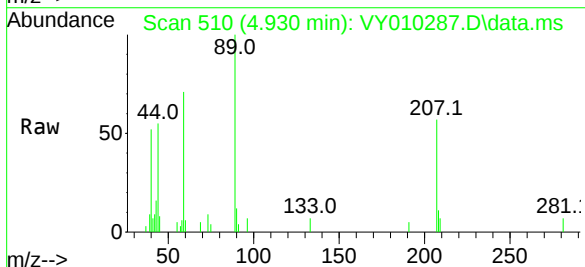
Instrument :
MSVOA_Y
ClientSampleId :

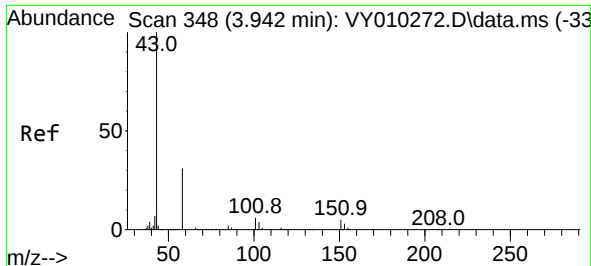
Tgt Ion: 94 Resp: 730
Ion Ratio Lower Upper
94 100
96 48.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: 14.509 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion: 59 Resp: 5136
Ion Ratio Lower Upper
59 100
57 3.3 6.4 9.6#

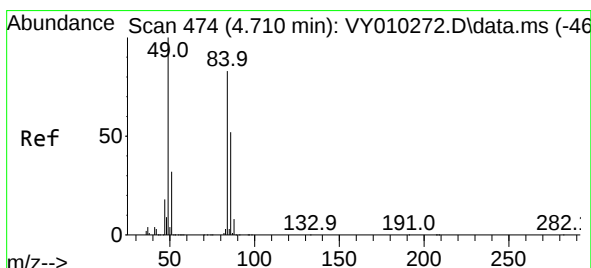
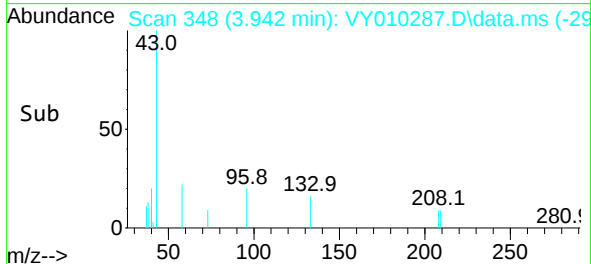
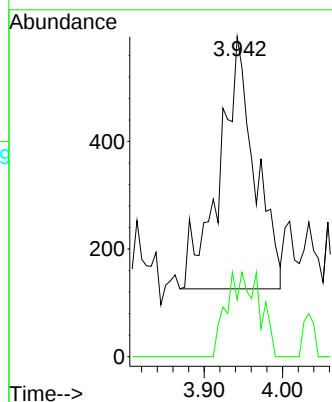
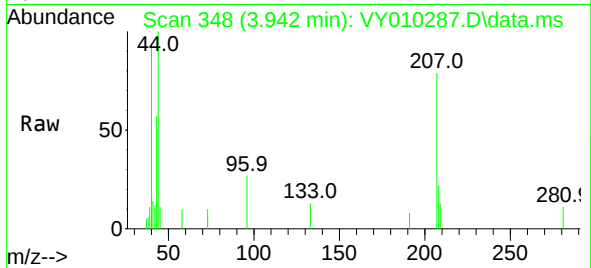




#16
Acetone
Concen: 1.979 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

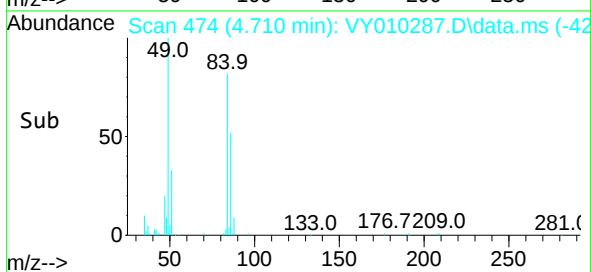
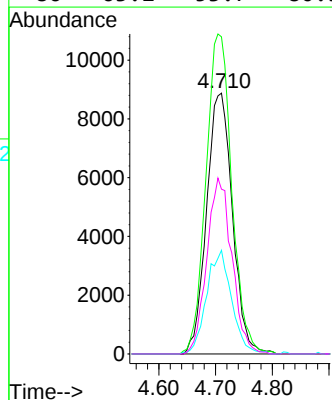
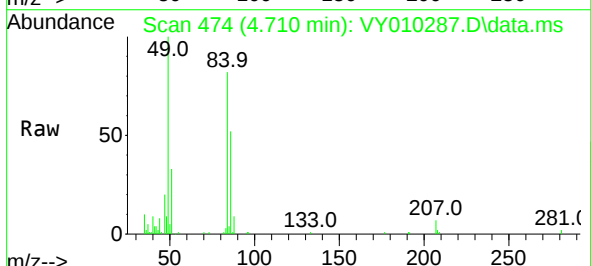
Instrument :
MSVOA_Y
ClientSampleId :

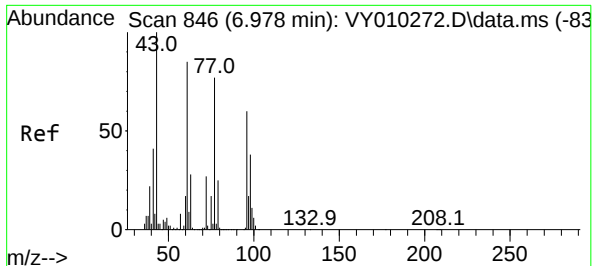
Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 22.6 22.0 33.0



#20
Methylene Chloride
Concen: 7.896 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion: 84 Resp: 28184
Ion Ratio Lower Upper
84 100
49 121.6 114.4 171.6
51 39.8 35.3 52.9
86 63.2 53.7 80.5





#25

2-Butanone

Concen: 5.032 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010287.D

Acq: 02 Sep 2022 18:28

Instrument :

MSVOA_Y

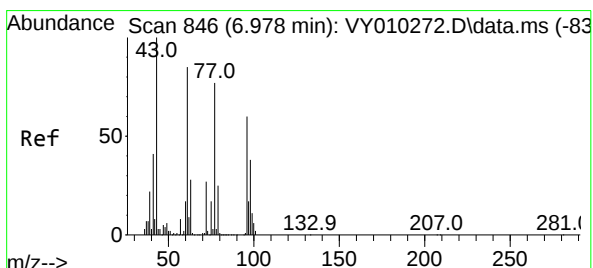
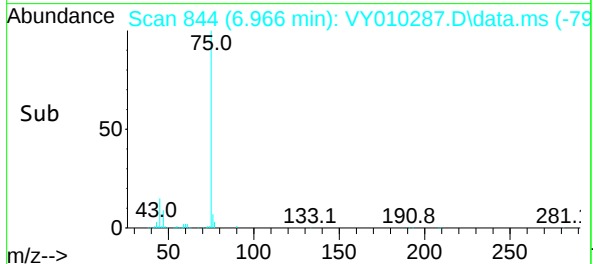
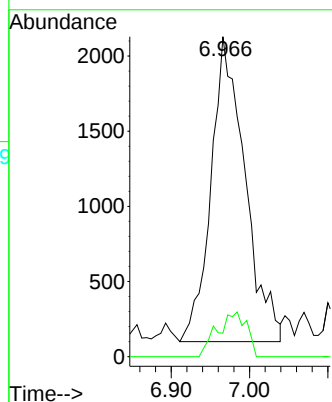
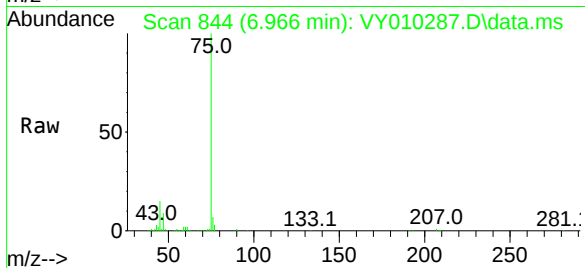
ClientSampleId :

Tgt Ion: 43 Resp: 6108

Ion Ratio Lower Upper

43 100

72 7.7 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.572 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010287.D

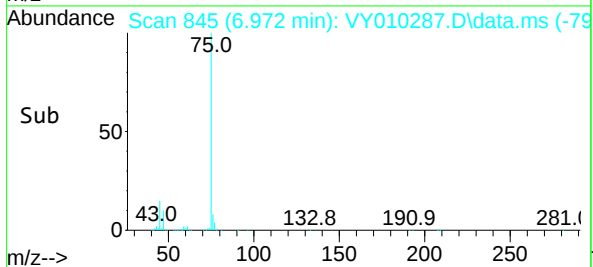
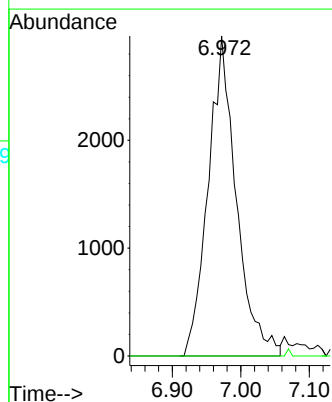
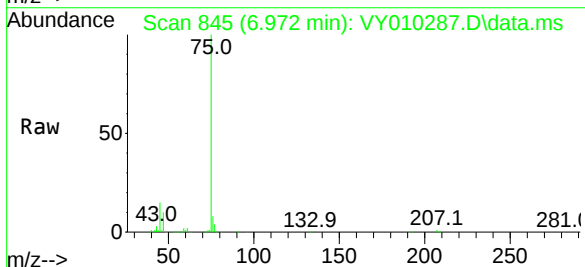
Acq: 02 Sep 2022 18:28

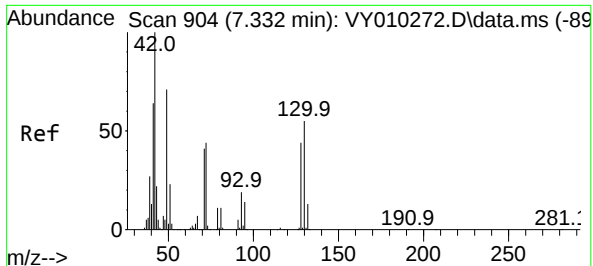
Tgt Ion: 77 Resp: 8476

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#28

Bromochloromethane

Concen: 1.870 ug/l

RT: 7.502 min Scan# 91

Delta R.T. 0.170 min

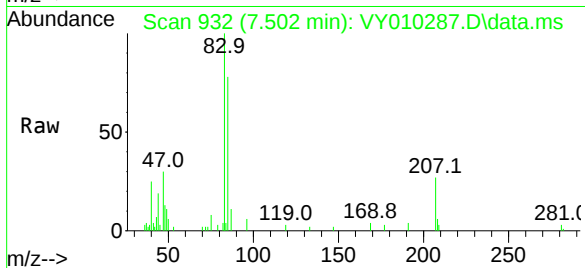
Lab File: VY010287.D

Acq: 02 Sep 2022 18:28

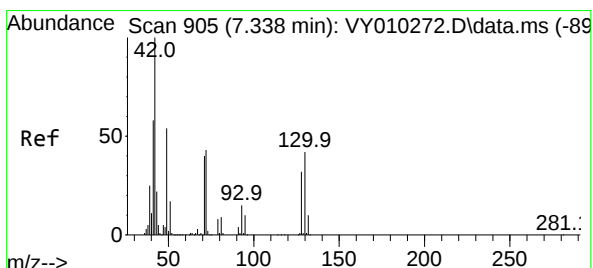
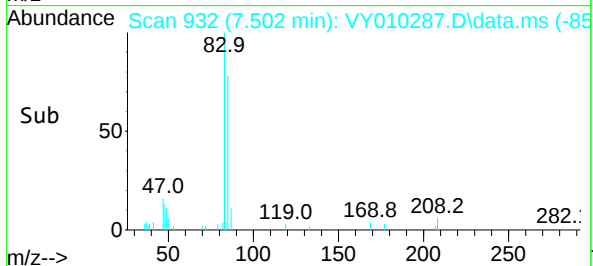
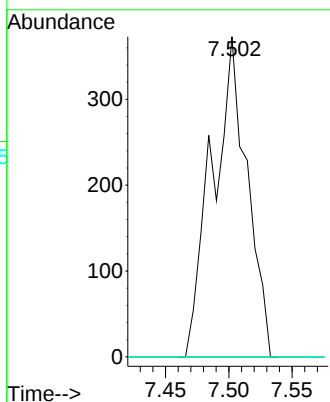
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	49	Resp:	715
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	0.0	55.4	83.0



#29

Tetrahydrofuran

Concen: 1.760 ug/l

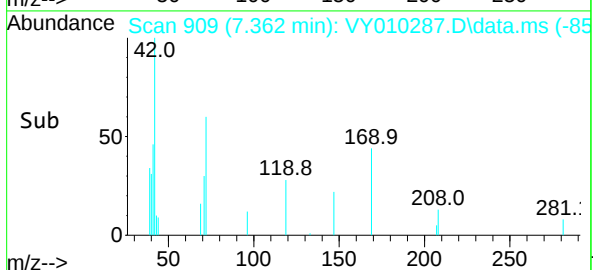
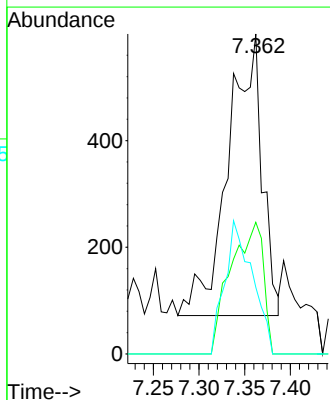
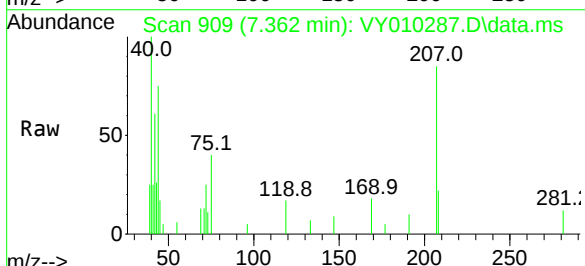
RT: 7.362 min Scan# 909

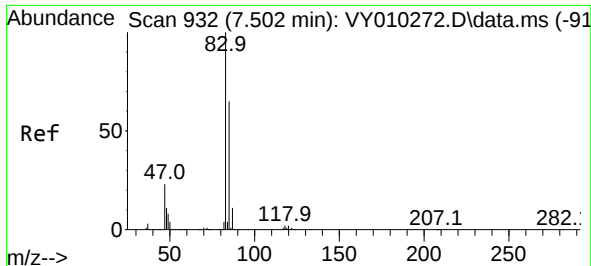
Delta R.T. 0.024 min

Lab File: VY010287.D

Acq: 02 Sep 2022 18:28

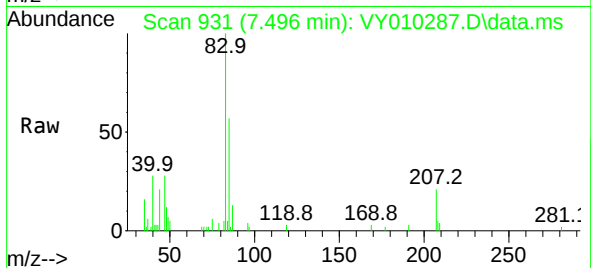
Tgt Ion:	42	Resp:	1369
Ion	Ratio	Lower	Upper
42	100		
72	44.8	30.3	45.5
71	0.0	29.0	43.4



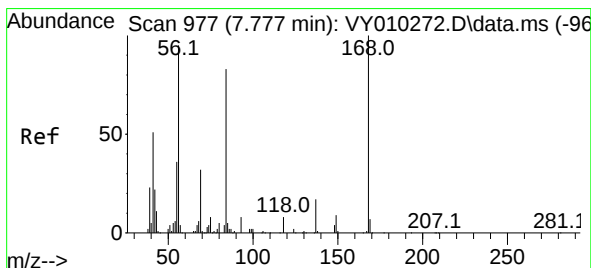
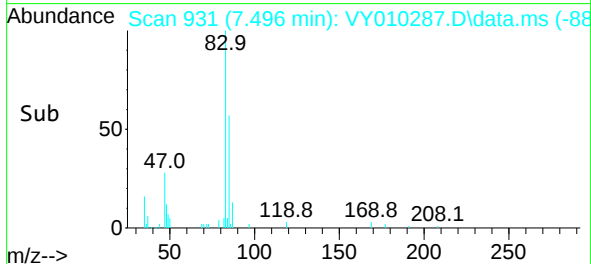
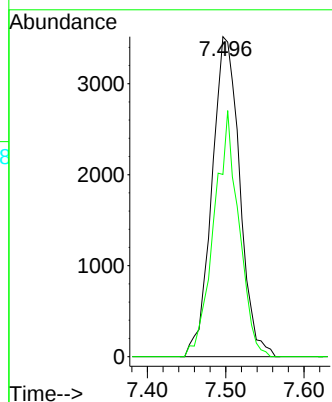


#30
Chloroform
Concen: 1.486 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :

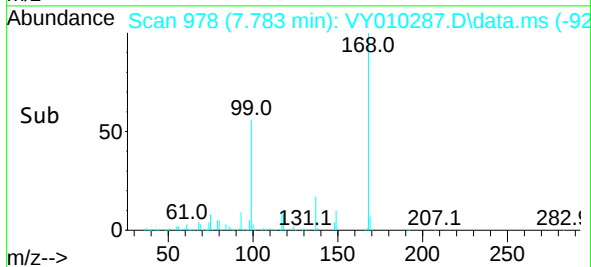
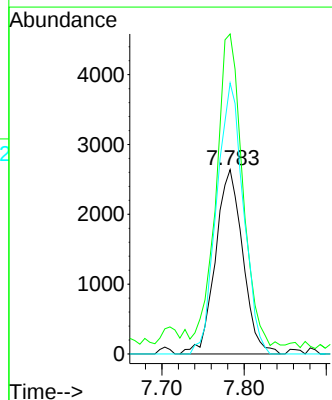
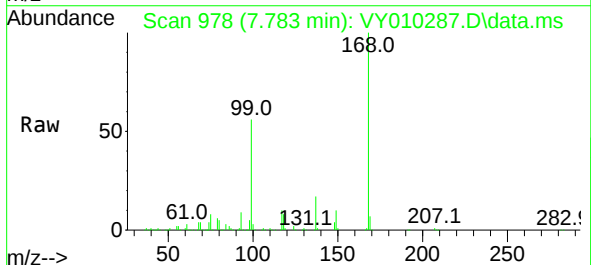


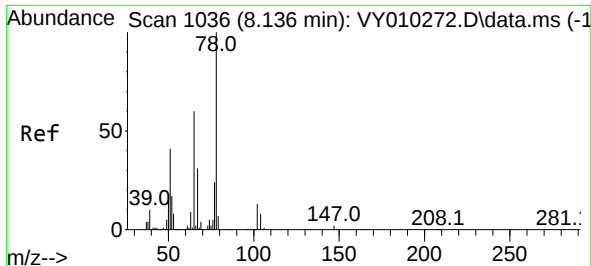
Tgt Ion: 83 Resp: 8664
Ion Ratio Lower Upper
83 100
85 57.0 51.8 77.6



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion: 56 Resp: 6093
Ion Ratio Lower Upper
56 100
69 168.7 26.7 40.1#
84 147.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.648 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010287.D

Acq: 02 Sep 2022 18:28

Instrument :

MSVOA_Y

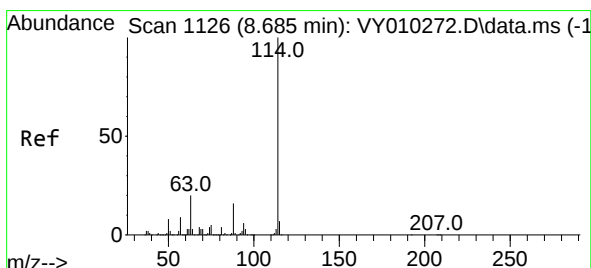
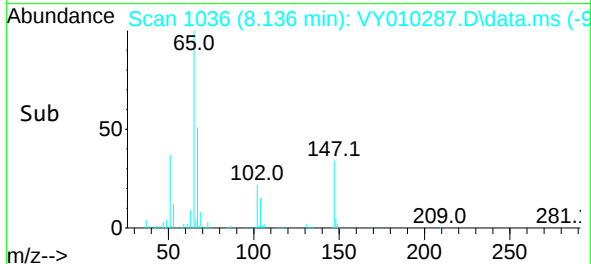
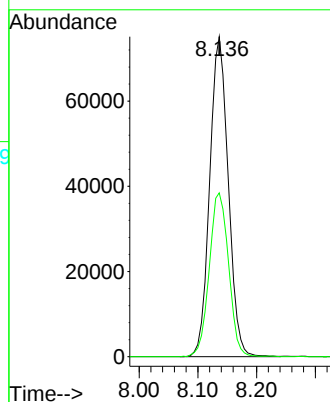
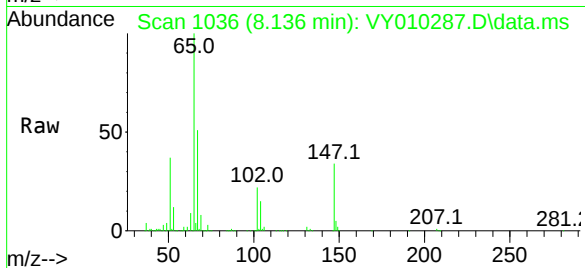
ClientSampleId :

Tgt Ion: 65 Resp: 164655

Ion Ratio Lower Upper

65 100

67 53.3 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: VY010287.D

Acq: 02 Sep 2022 18:28

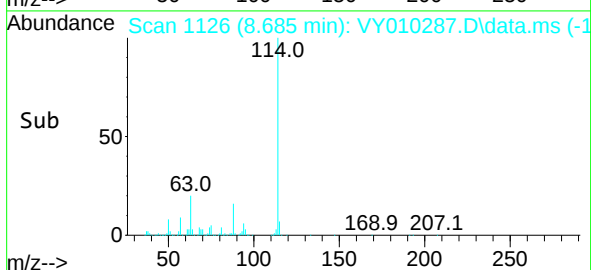
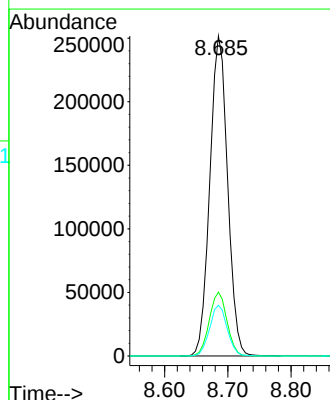
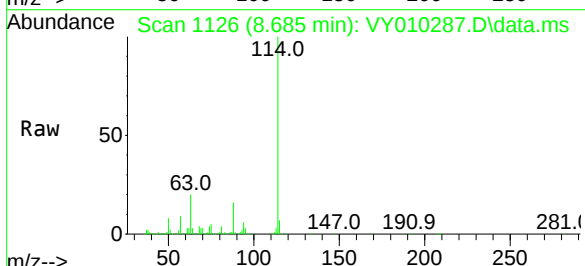
Tgt Ion: 114 Resp: 491179

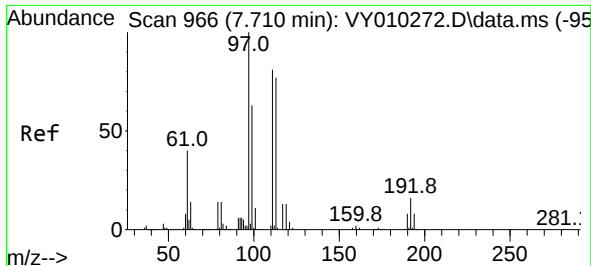
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.8 0.0 31.8

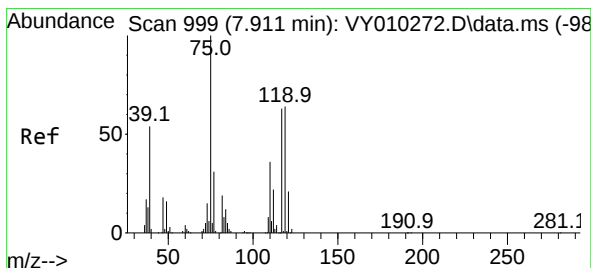
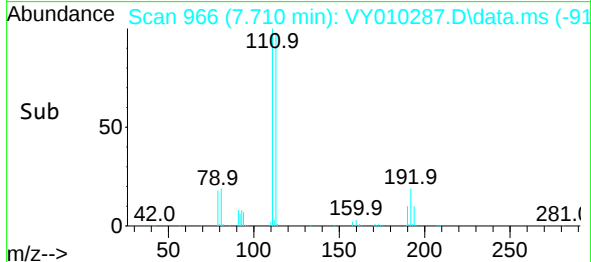
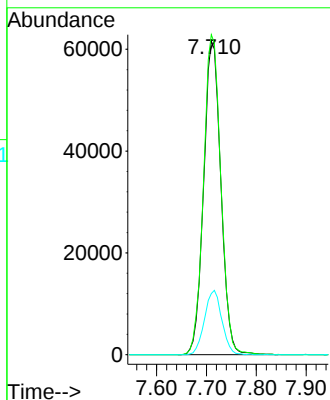
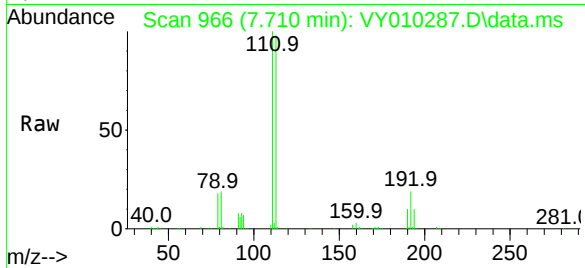




#35
Dibromofluoromethane
Concen: 45.202 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

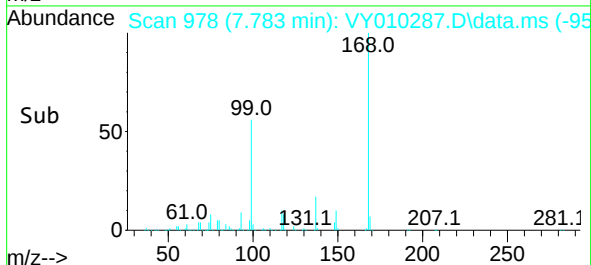
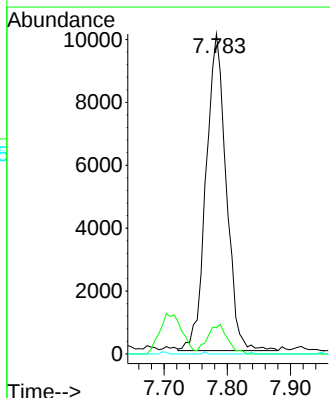
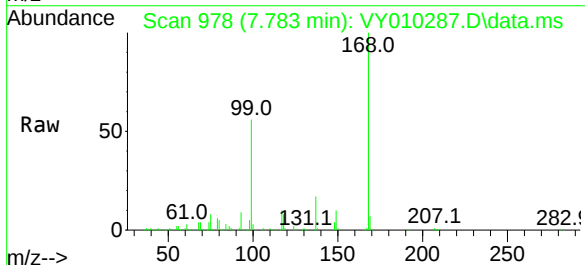
Instrument :
MSVOA_Y
ClientSampleId :

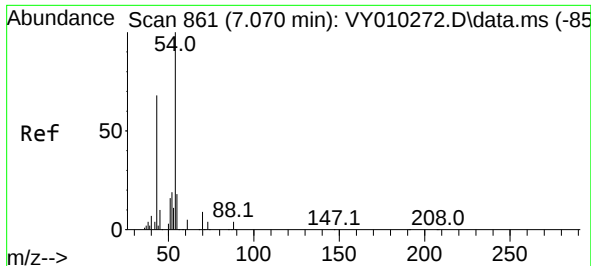
Tgt Ion:113 Resp: 147804
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.671 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion: 75 Resp: 22412
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.221 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY010287.D

Acq: 02 Sep 2022 18:28

Instrument :

MSVOA_Y

ClientSampleId :

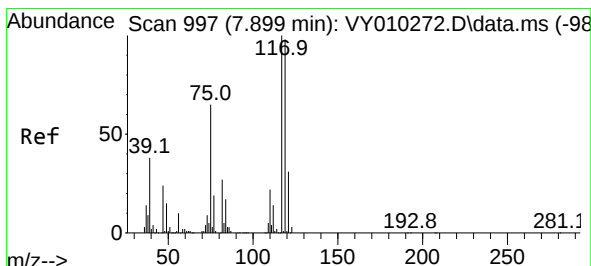
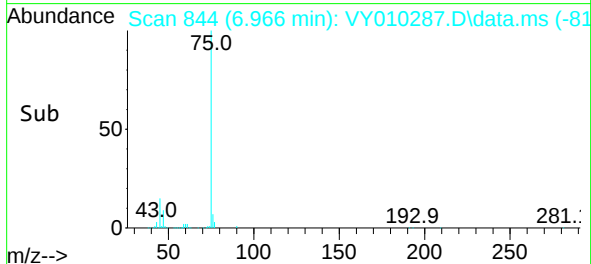
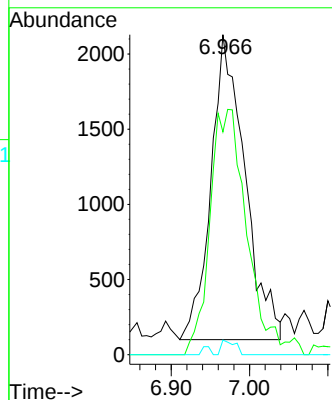
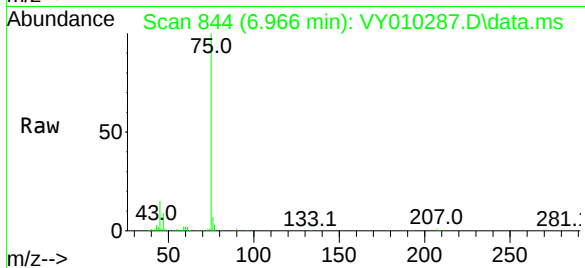
Tgt Ion: 43 Resp: 6108

Ion Ratio Lower Upper

43 100

61 86.9 9.7 14.5#

70 1.9 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.534 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010287.D

Acq: 02 Sep 2022 18:28

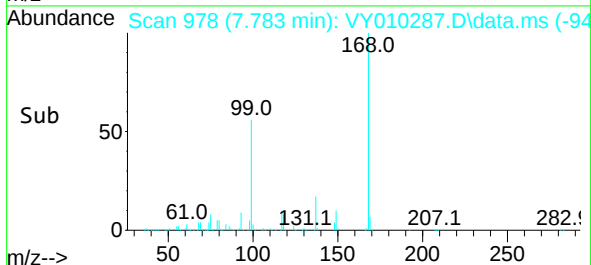
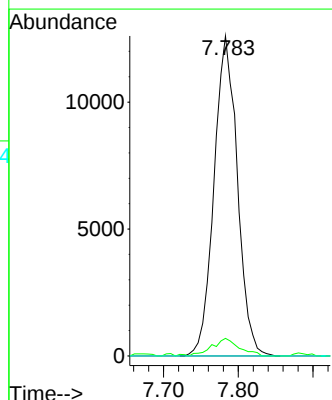
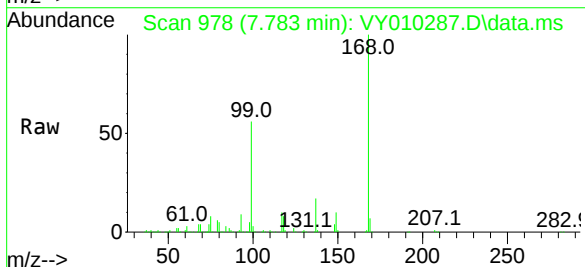
Tgt Ion: 117 Resp: 27362

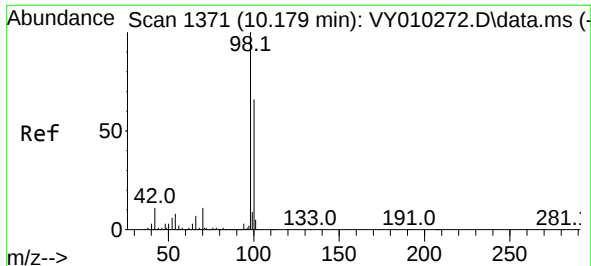
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

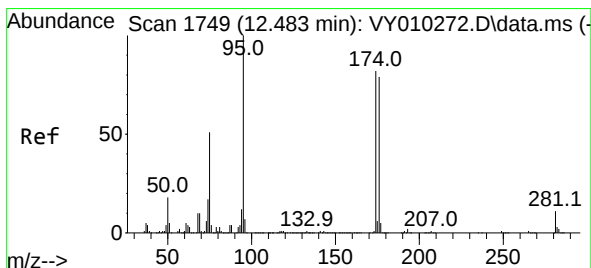
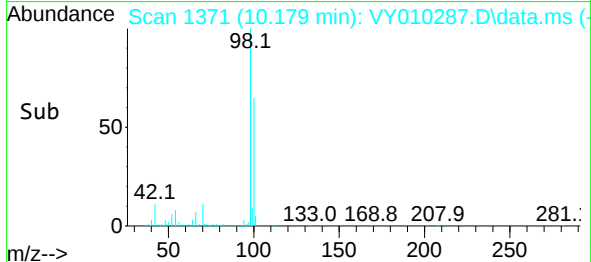
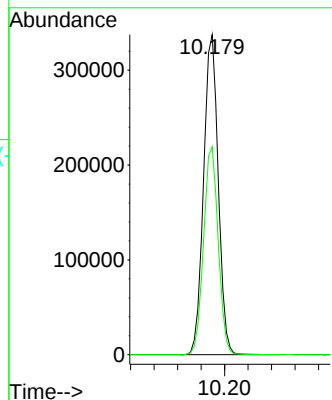
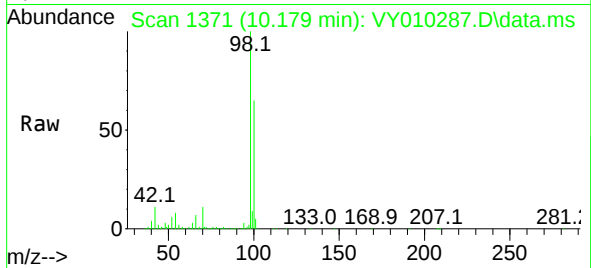




#50
Toluene-d8
Concen: 53.506 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

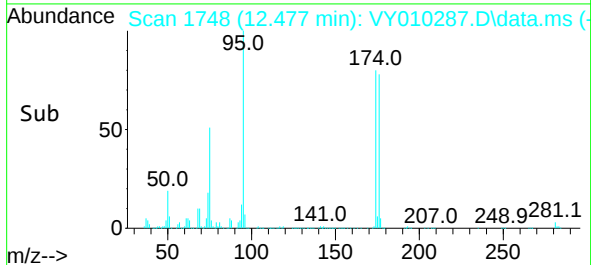
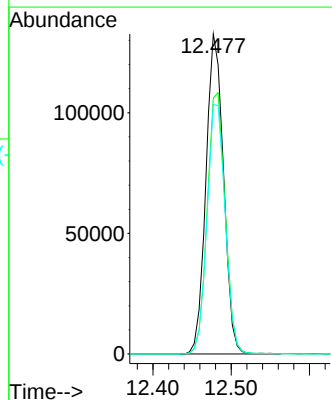
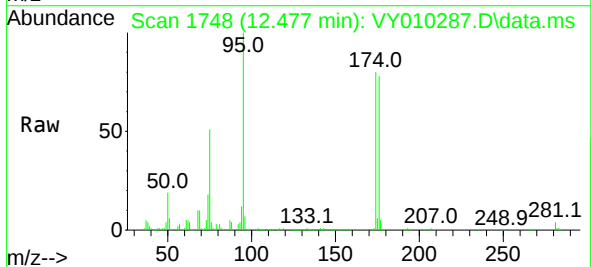
Instrument :
MSVOA_Y
ClientSampleId :

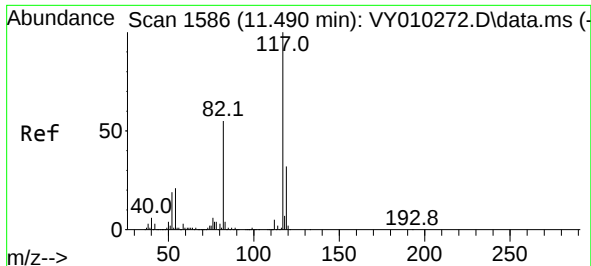
Tgt Ion: 98 Resp: 585765
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.572 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion: 95 Resp: 206082
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.9 0.0 175.8

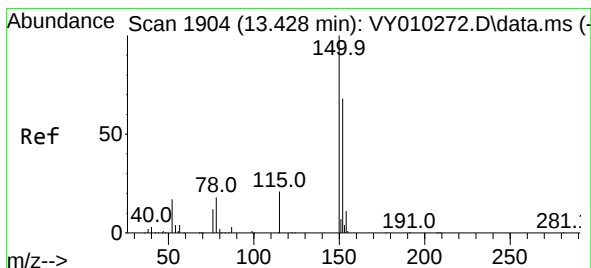
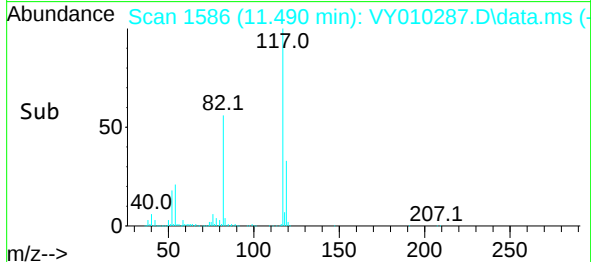
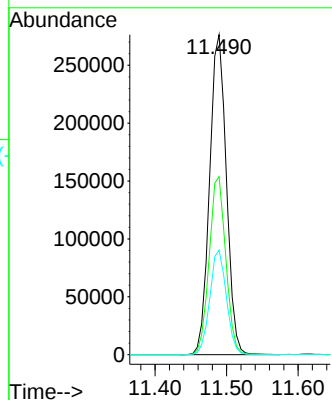
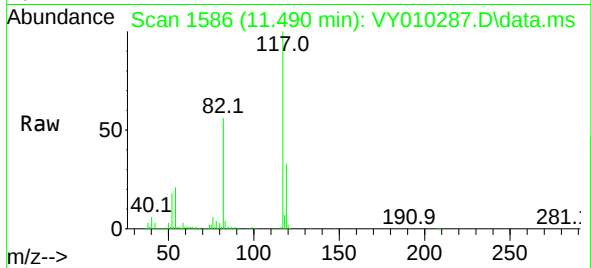




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

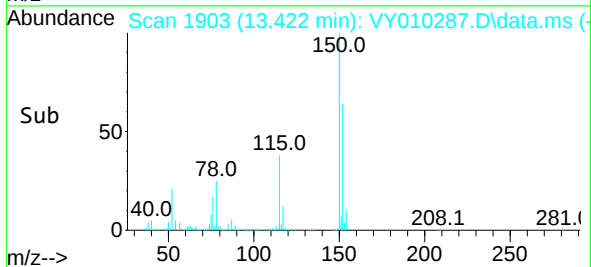
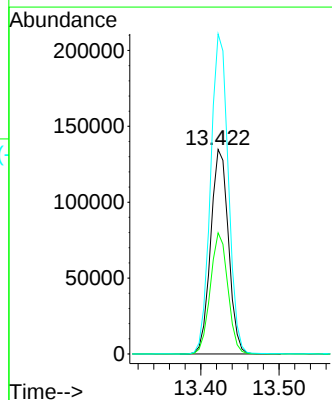
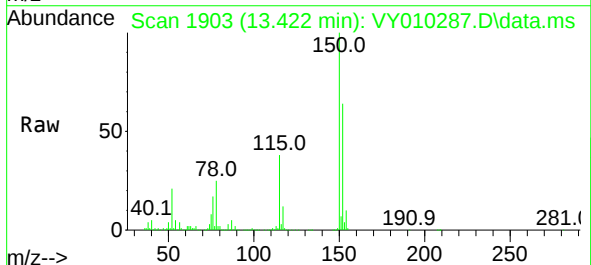
Instrument :
MSVOA_Y
ClientSampleId :

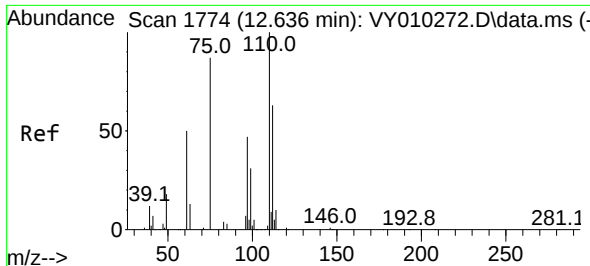
Tgt Ion:117 Resp: 450421
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion:152 Resp: 212304
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 156.3 0.0 347.6

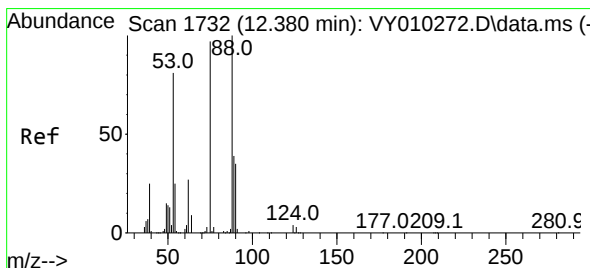
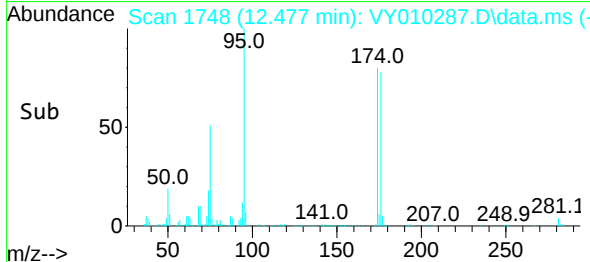
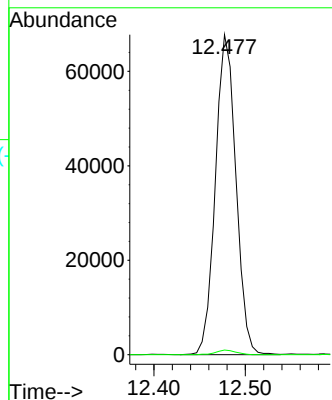
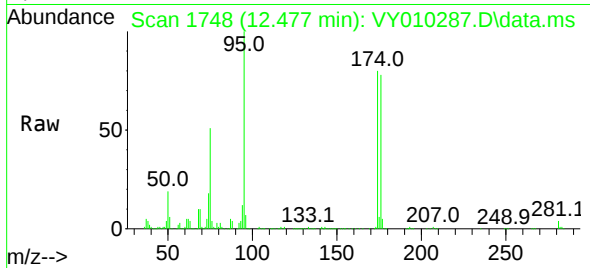




#76
1,2,3-Trichloropropane
Concen: 41.872 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 105789
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.349 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010287.D
Acq: 02 Sep 2022 18:28

Tgt Ion: 75 Resp: 105789
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

