

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010277.D
 Acq On : 02 Sep 2022 14:26
 Operator : KP/MD
 Sample : VY0902SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 02 16:43:04 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)

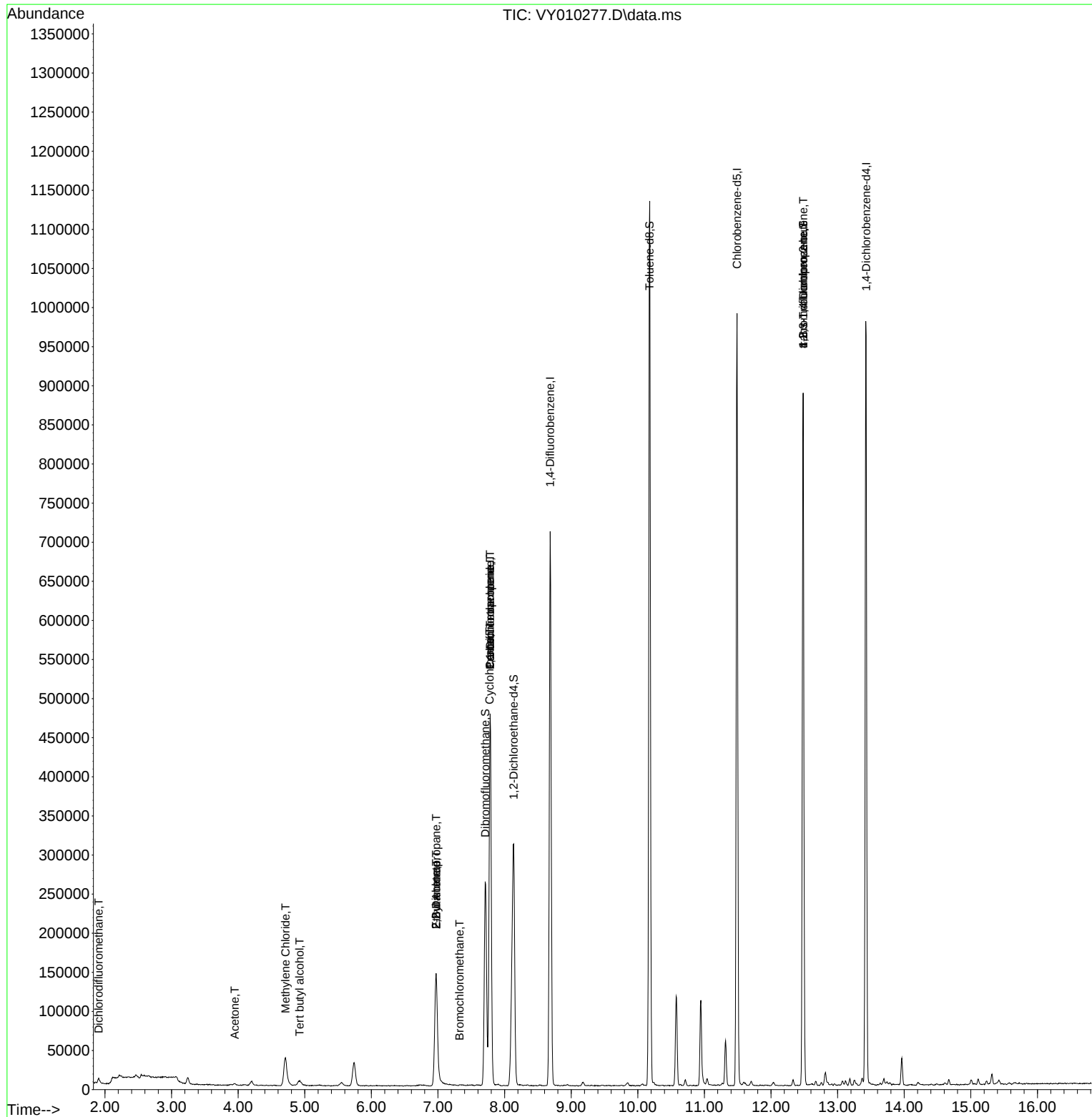
Internal Standards						
1) Pentafluorobenzene	7.783	168	380600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	608255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	535013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	256047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	203713	52.199	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.400%	
35) Dibromofluoromethane	7.710	113	191088	47.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.380%	
50) Toluene-d8	10.179	98	752405	55.499	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.000%	
62) 4-Bromofluorobenzene	12.483	95	264456	48.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4725	1.555	ug/l	95
5) Bromomethane	2.668	94	939	Below Cal	#	38
11) Tert butyl alcohol	4.924	59	7467	15.993	ug/l #	94
16) Acetone	3.948	43	3340	3.424	ug/l #	81
20) Methylene Chloride	4.710	84	26958	5.726	ug/l	89
25) 2-Butanone	6.972	43	8939	5.583	ug/l	95
26) 2,2-Dichloropropane	6.972	77	10764	1.514	ug/l #	56
28) Bromochloromethane	7.326	49	46	1.552	ug/l #	74
31) Cyclohexane	7.777	56	8661	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	28279	4.760	ug/l #	51
37) Ethyl Acetate	6.972	43	8939	2.624	ug/l #	1
38) Carbon Tetrachloride	7.783	117	36329	5.933	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.789	63	37	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.483	75	134336	44.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	134336	91.971	ug/l #	7

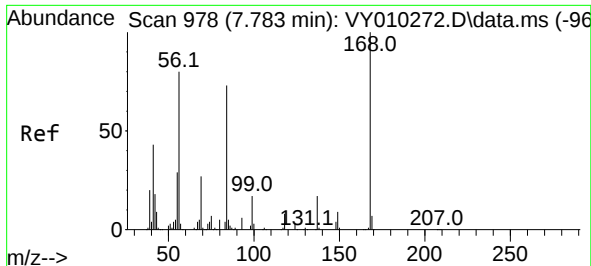
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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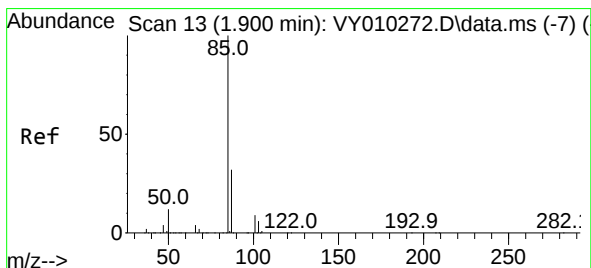
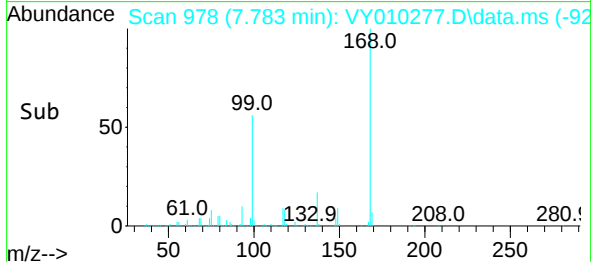
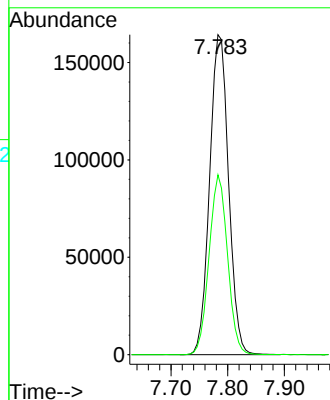
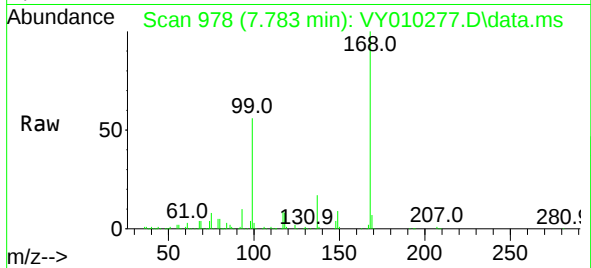




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

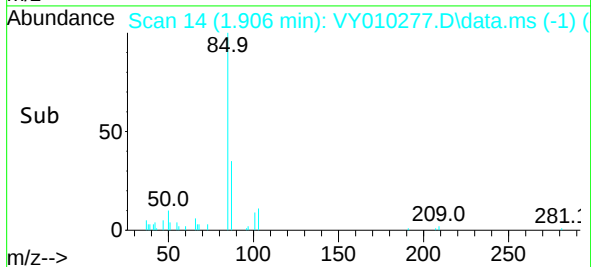
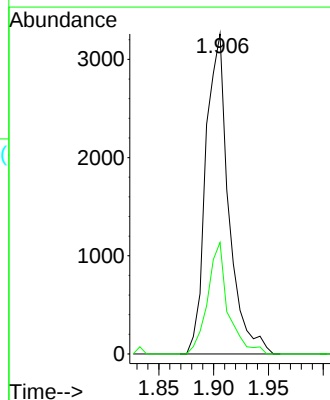
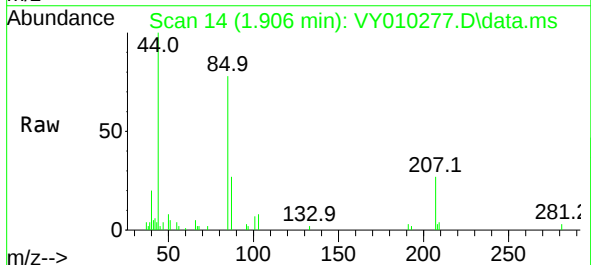
Instrument :
MSVOA_Y
ClientSampleId :

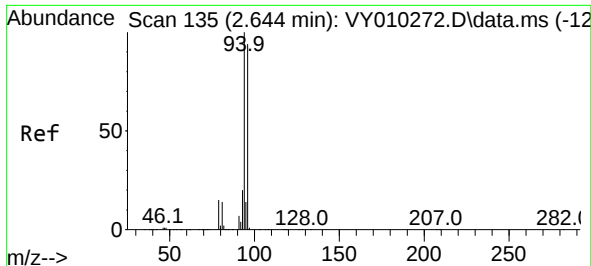
Tgt Ion:168 Resp: 380600
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.555 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Tgt Ion: 85 Resp: 4725
Ion Ratio Lower Upper
85 100
87 34.9 16.1 48.2

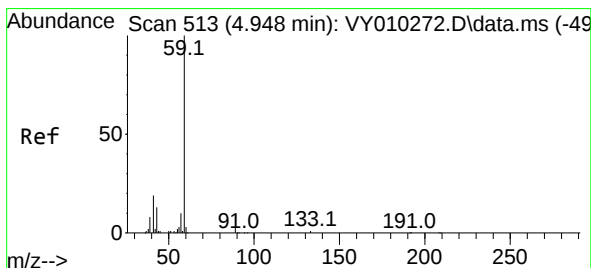
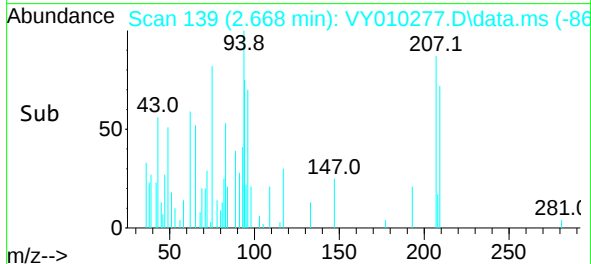
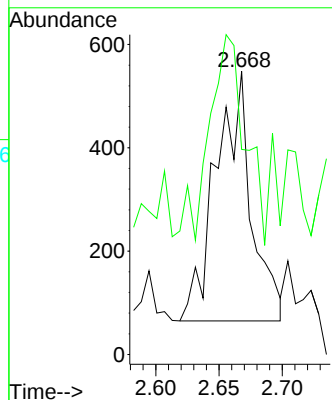
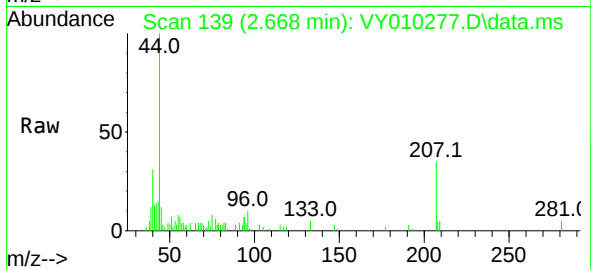




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

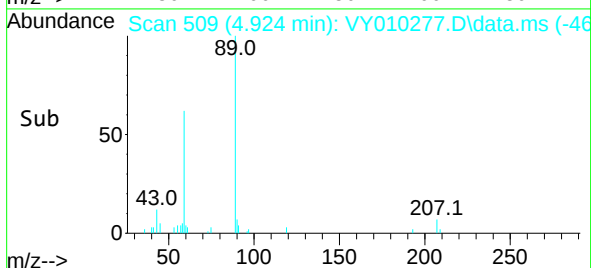
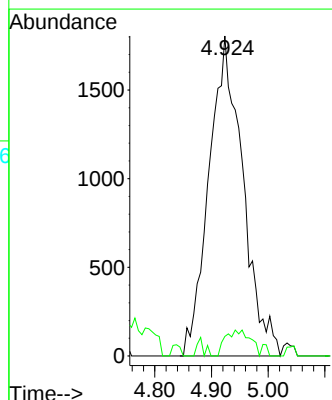
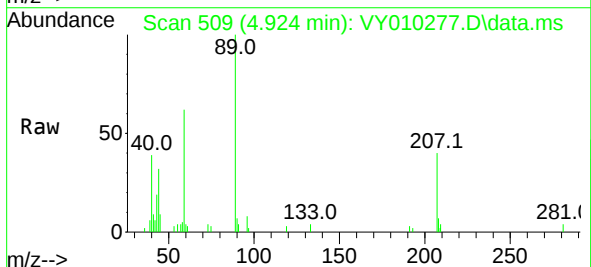
Instrument :
MSVOA_Y
ClientSampleId :

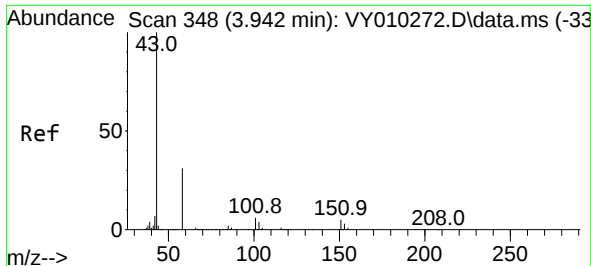
Tgt Ion: 94 Resp: 939
Ion Ratio Lower Upper
94 100
96 32.7 73.5 110.3#



#11
Tert butyl alcohol
Concen: 15.993 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Tgt Ion: 59 Resp: 7467
Ion Ratio Lower Upper
59 100
57 5.9 6.4 9.6#

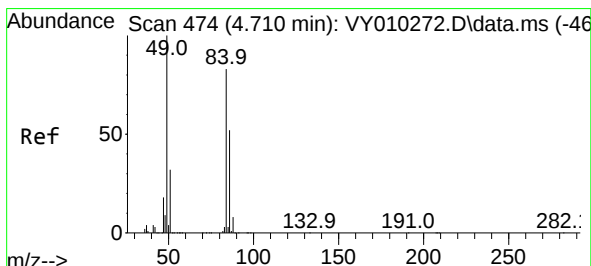
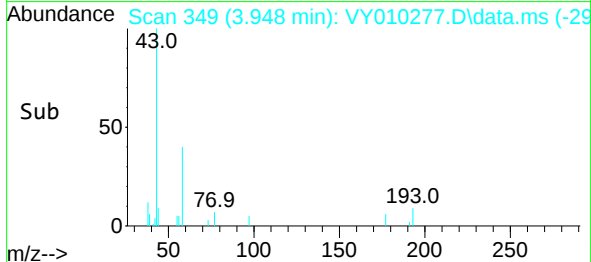
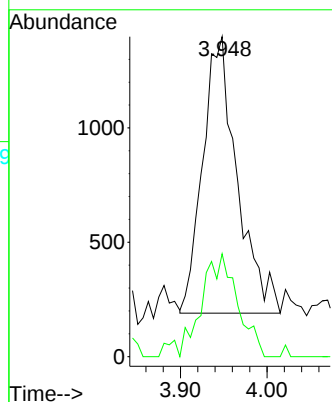
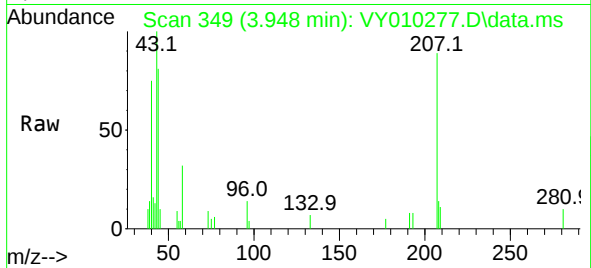




#16
Acetone
Concen: 3.424 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

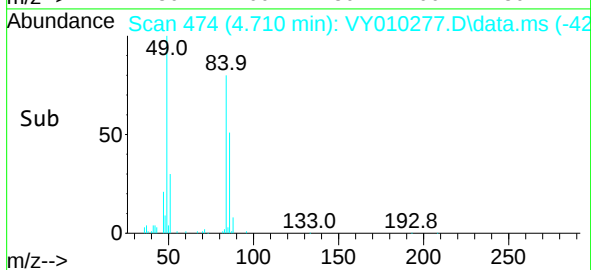
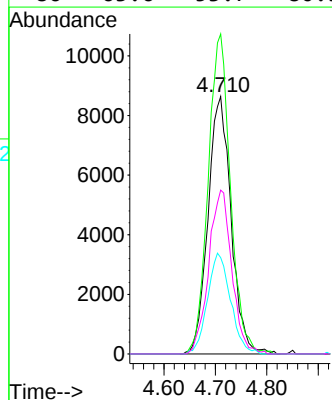
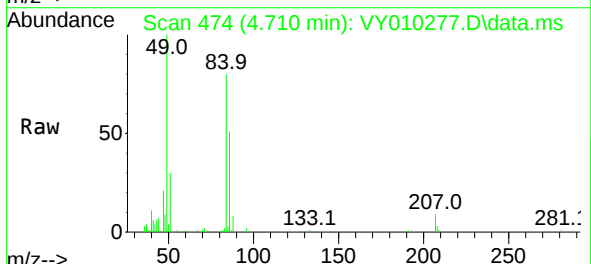
Instrument :
MSVOA_Y
ClientSampleId :

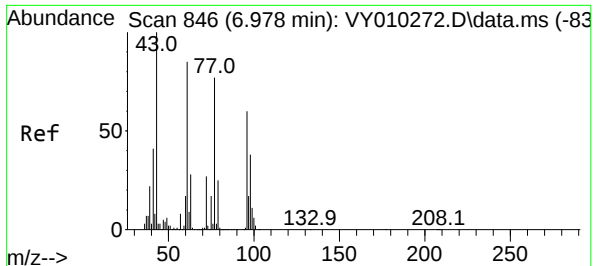
Tgt Ion: 43 Resp: 3340
Ion Ratio Lower Upper
43 100
58 37.2 22.0 33.0#



#20
Methylene Chloride
Concen: 5.726 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Tgt Ion: 84 Resp: 26958
Ion Ratio Lower Upper
84 100
49 124.3 114.4 171.6
51 37.4 35.3 52.9
86 63.6 53.7 80.5





#25

2-Butanone

Concen: 5.583 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010277.D

Acq: 02 Sep 2022 14:26

Instrument :

MSVOA_Y

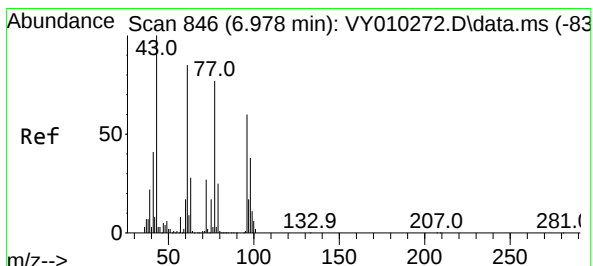
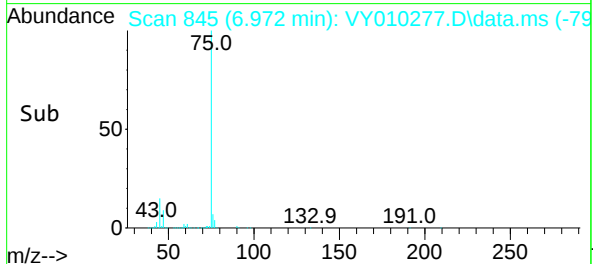
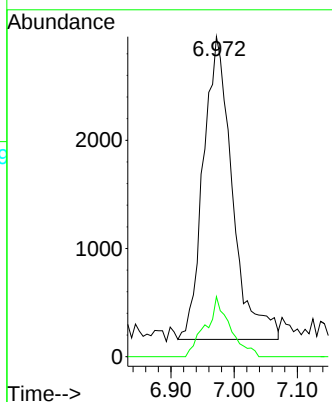
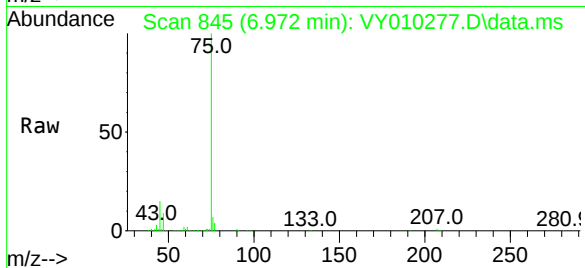
ClientSampleId :

Tgt Ion: 43 Resp: 8939

Ion Ratio Lower Upper

43 100

72 19.8 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.514 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010277.D

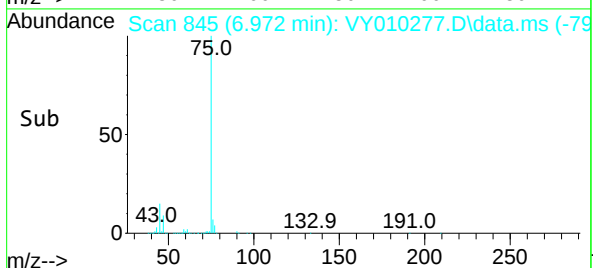
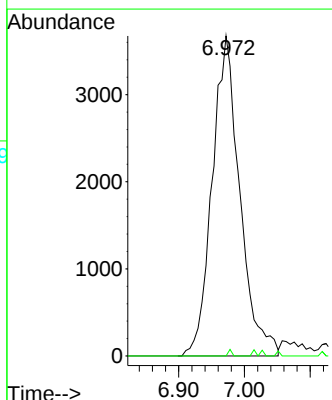
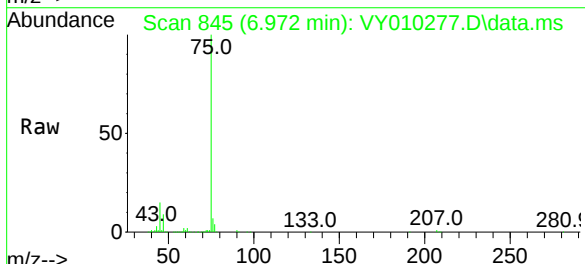
Acq: 02 Sep 2022 14:26

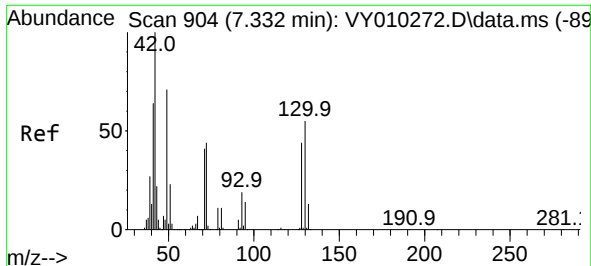
Tgt Ion: 77 Resp: 10764

Ion Ratio Lower Upper

77 100

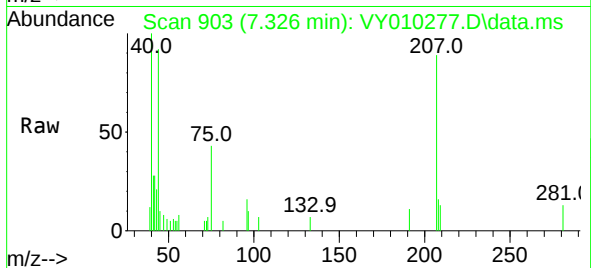
97 0.3 10.4 31.4#



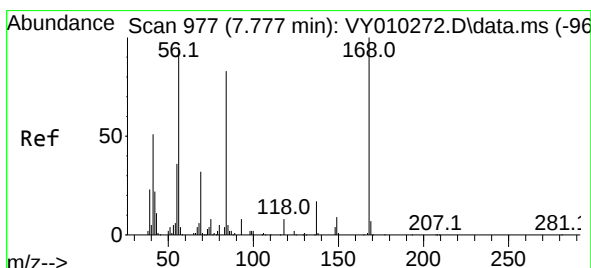
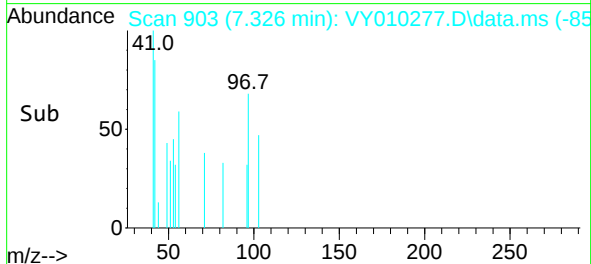
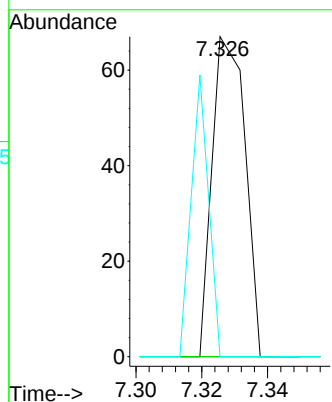


#28
Bromochloromethane
Concen: 1.552 ug/l
RT: 7.326 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Instrument :
MSVOA_Y
ClientSampleId :

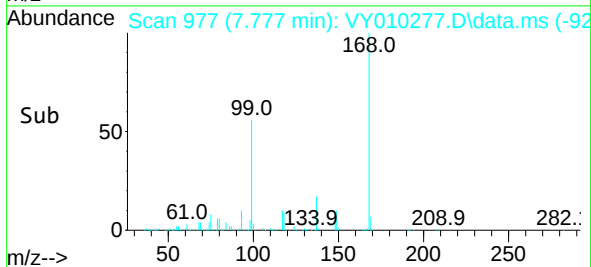
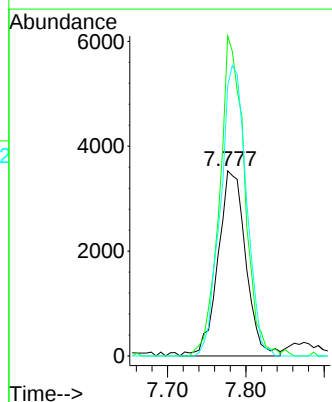
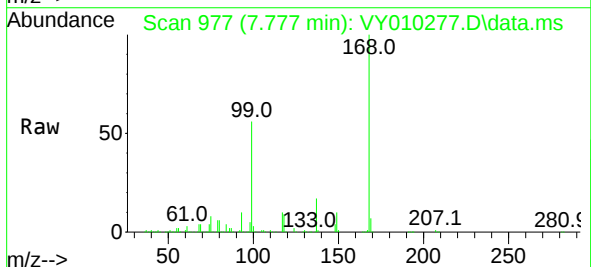


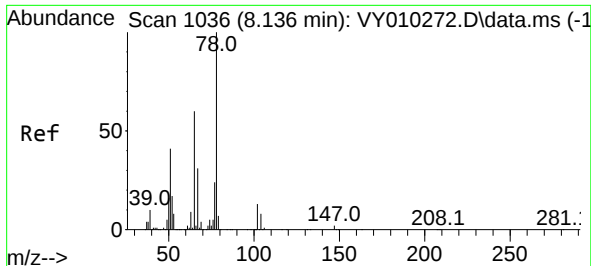
Tgt Ion: 49 Resp: 46
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 47.8 55.4 83.0#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Tgt Ion: 56 Resp: 8661
Ion Ratio Lower Upper
56 100
69 172.9 26.7 40.1#
84 146.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 52.199 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010277.D

Acq: 02 Sep 2022 14:26

Instrument :

MSVOA_Y

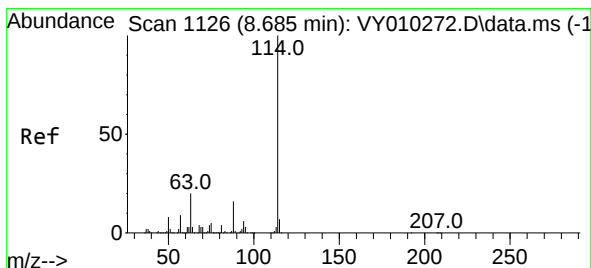
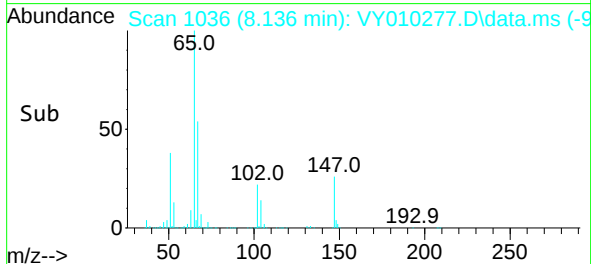
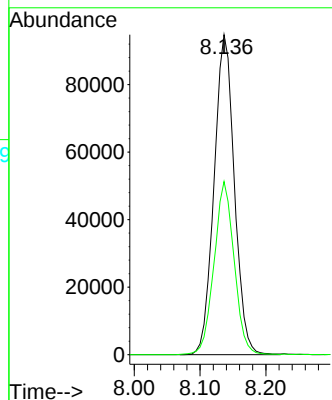
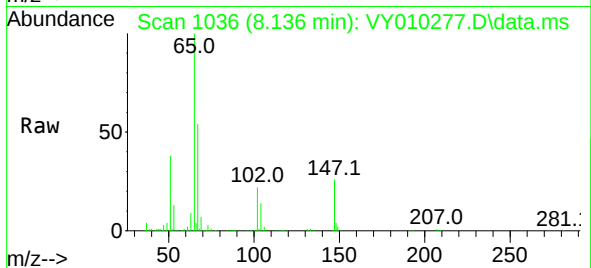
ClientSampleId :

Tgt Ion: 65 Resp: 203713

Ion Ratio Lower Upper

65 100

67 53.6 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: VY010277.D

Acq: 02 Sep 2022 14:26

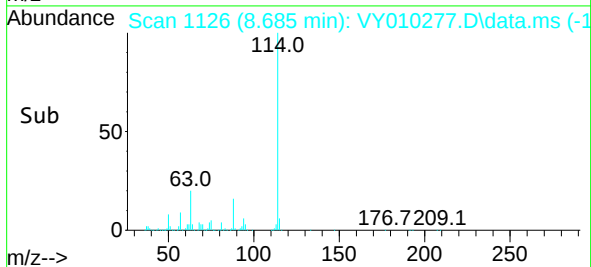
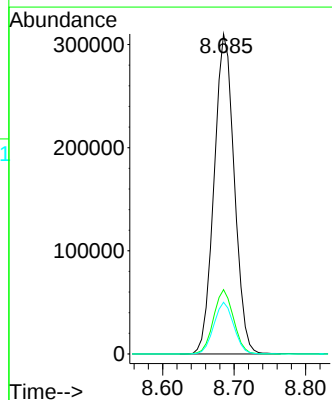
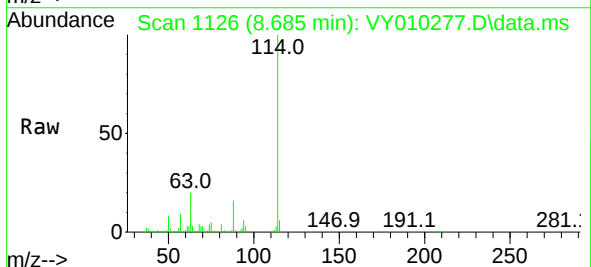
Tgt Ion: 114 Resp: 608255

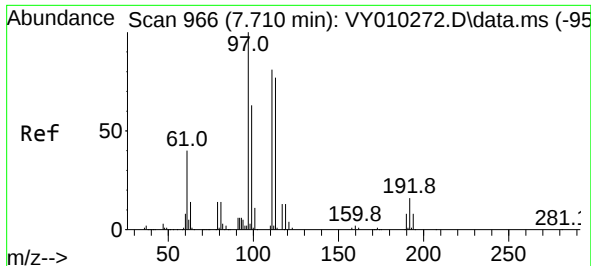
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 16.2 0.0 31.8

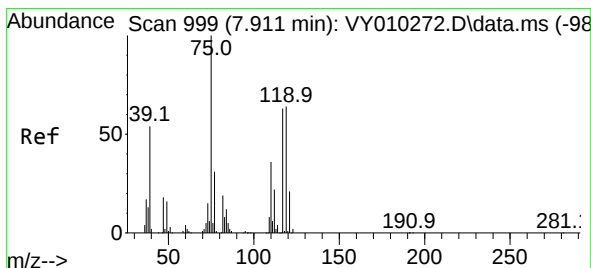
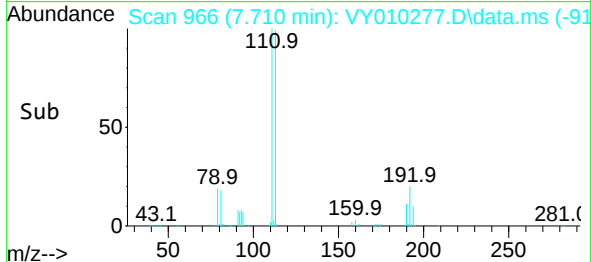
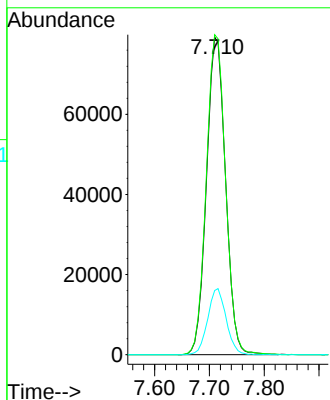
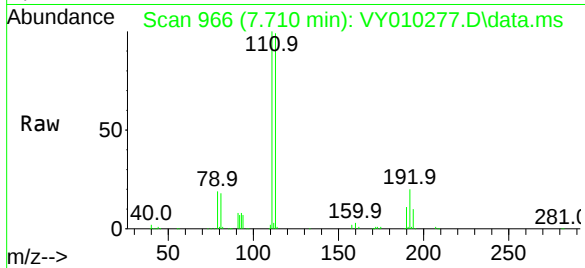




#35
Dibromofluoromethane
Concen: 47.191 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

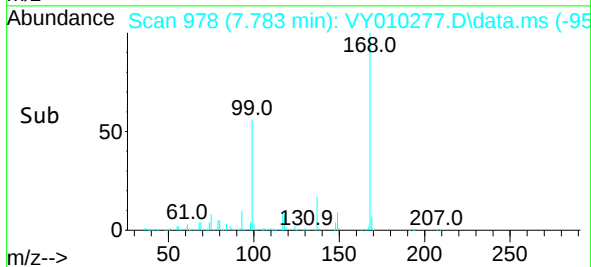
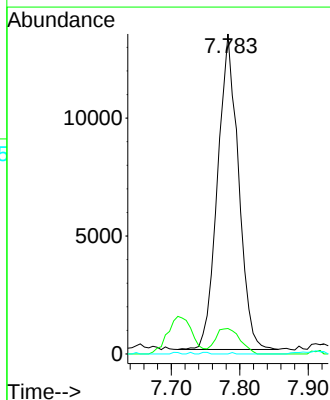
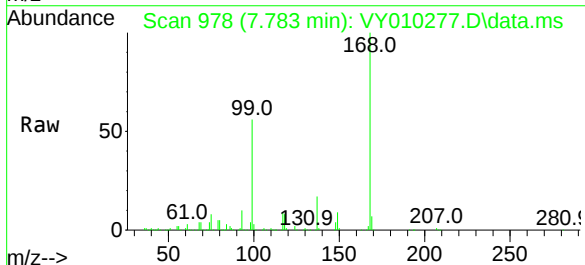
Instrument :
MSVOA_Y
ClientSampleId :

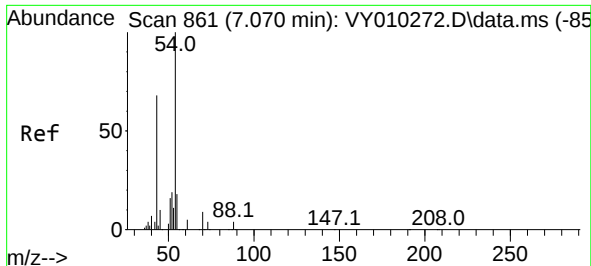
Tgt Ion:113 Resp: 191088
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 20.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Tgt Ion: 75 Resp: 28279
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.1 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.624 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

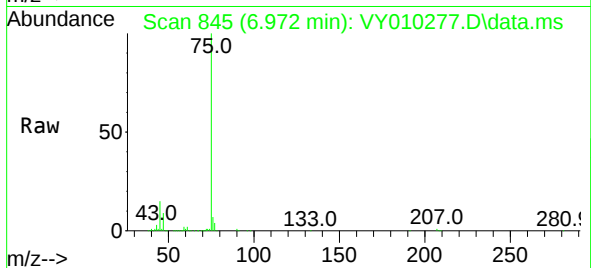
Lab File: VY010277.D

Acq: 02 Sep 2022 14:26

Instrument :

MSVOA_Y

ClientSampleId :



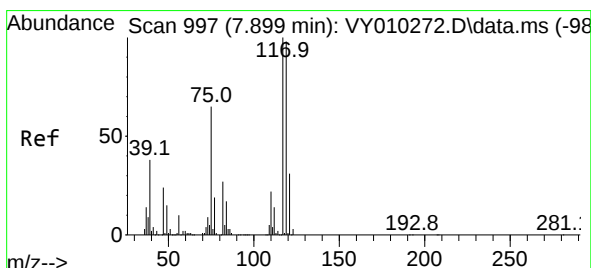
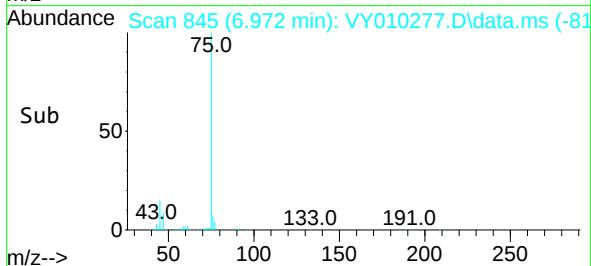
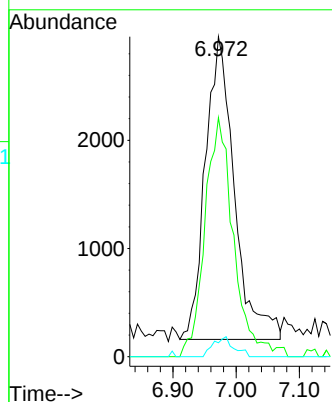
Tgt Ion: 43 Resp: 8939

Ion Ratio Lower Upper

43 100

61 76.7 9.7 14.5#

70 4.6 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.933 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010277.D

Acq: 02 Sep 2022 14:26

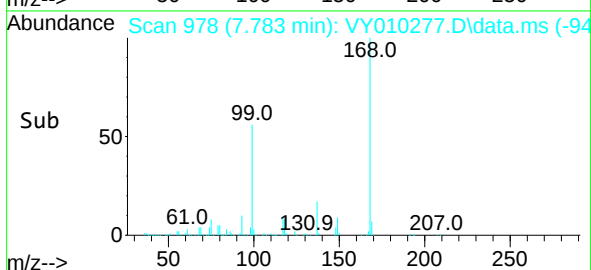
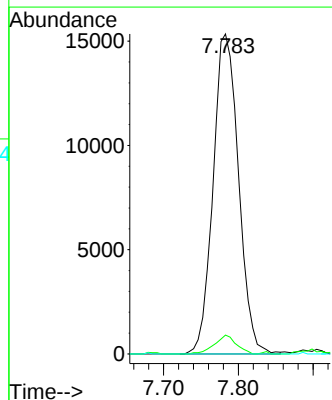
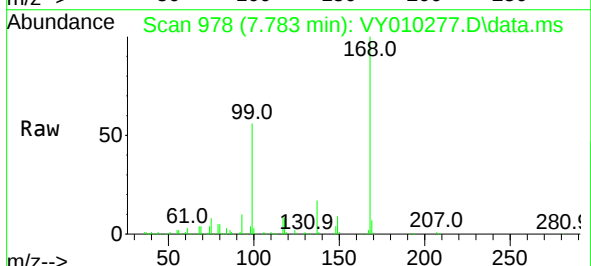
Tgt Ion: 117 Resp: 36329

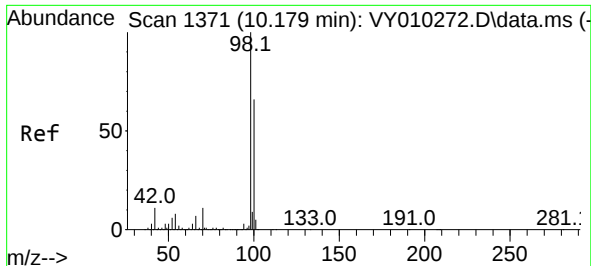
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#

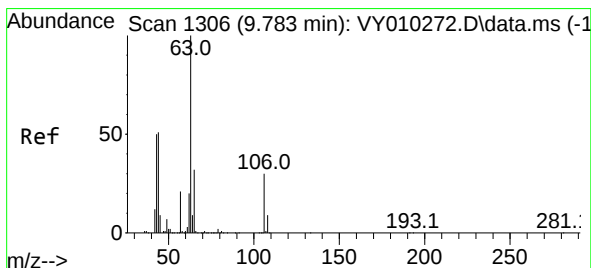
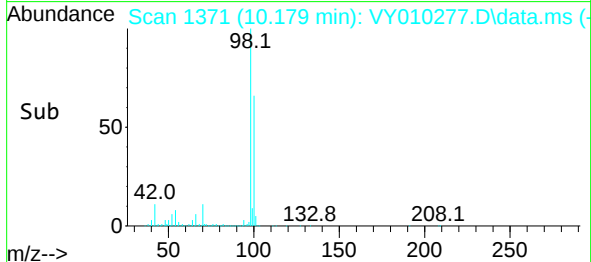
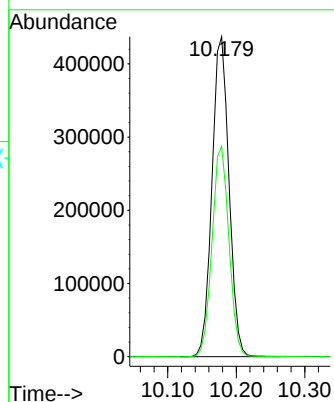
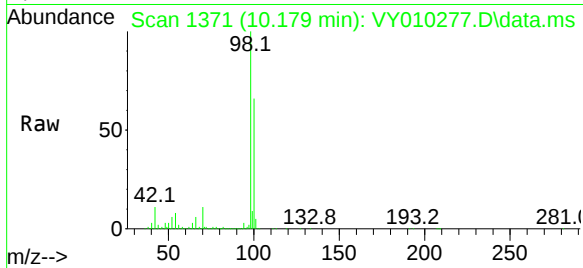




#50
Toluene-d8
Concen: 55.499 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

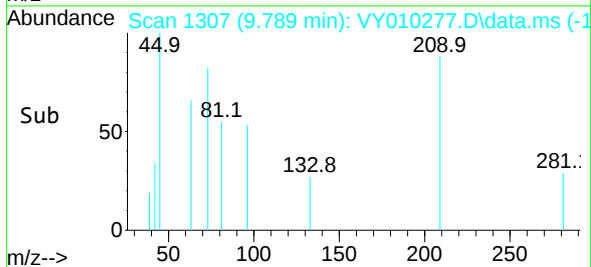
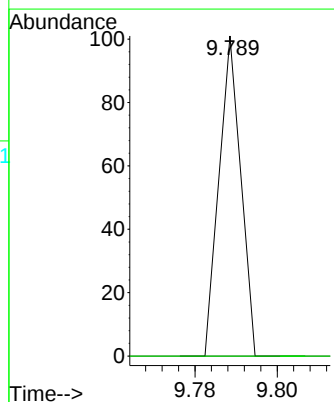
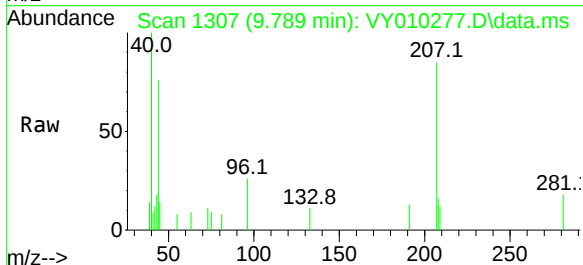
Instrument :
MSVOA_Y
ClientSampleId :

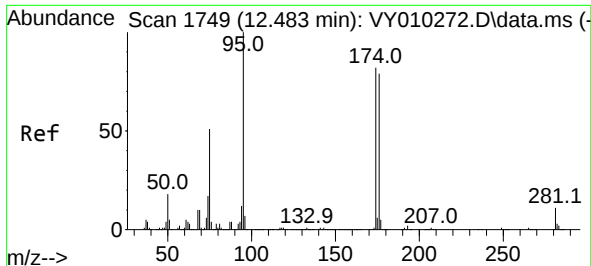
Tgt Ion: 98 Resp: 752405
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.789 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Tgt Ion: 63 Resp: 37
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

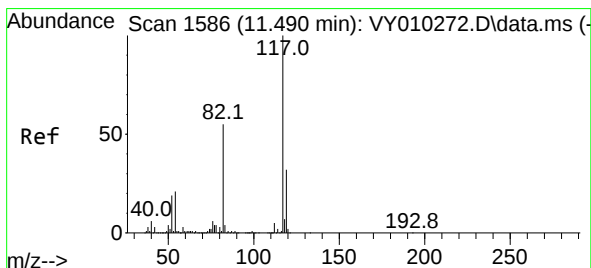
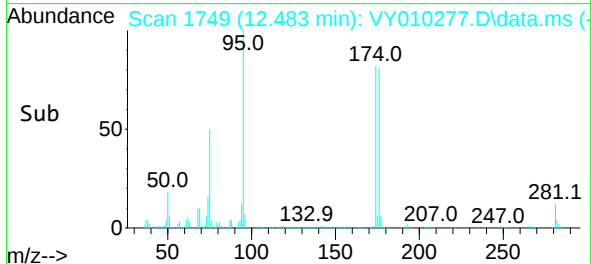
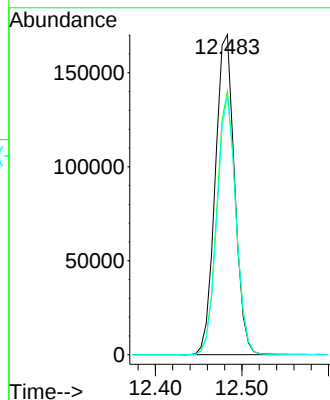
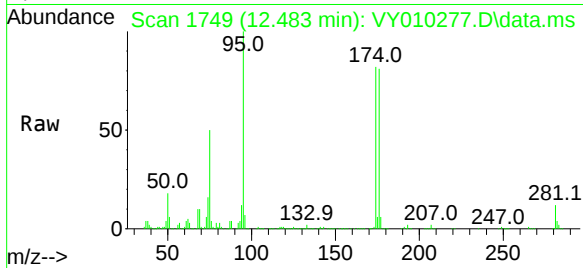




#62
4-Bromofluorobenzene
Concen: 48.522 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

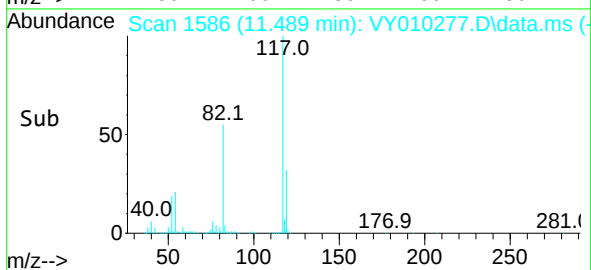
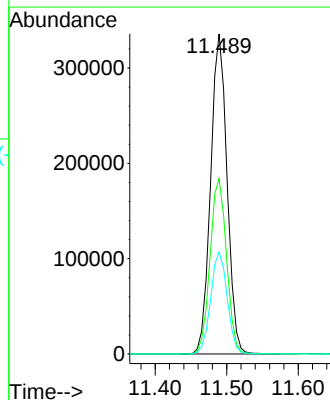
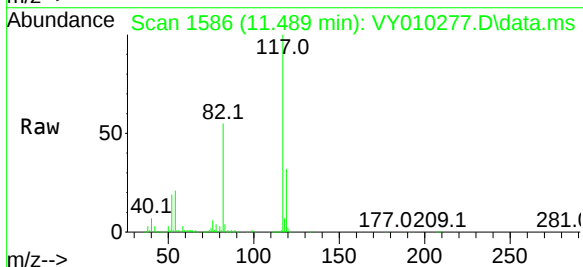
Instrument :
MSVOA_Y
ClientSampleId :

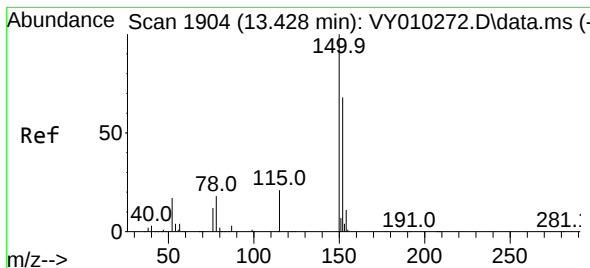
Tgt Ion: 95 Resp: 264456
Ion Ratio Lower Upper
95 100
174 80.9 0.0 177.0
176 78.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010277.D
Acq: 02 Sep 2022 14:26

Tgt Ion: 117 Resp: 535013
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY010277.D

Acq: 02 Sep 2022 14:26

Instrument :

MSVOA_Y

ClientSampleId :

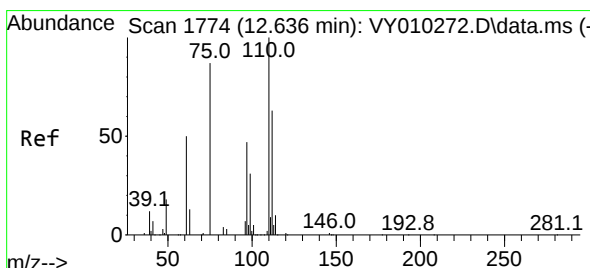
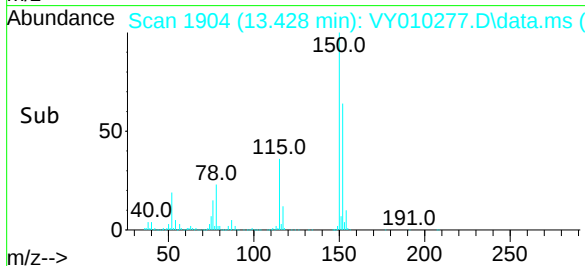
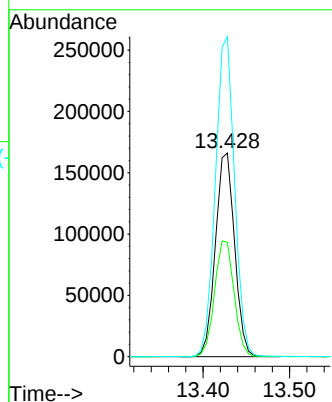
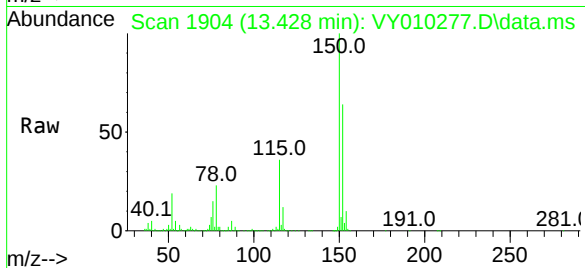
Tgt Ion:152 Resp: 256047

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 156.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.087 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY010277.D

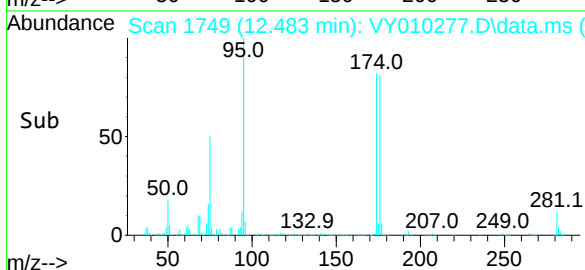
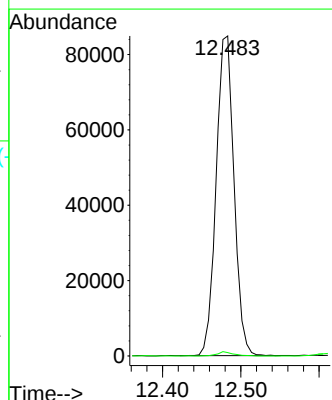
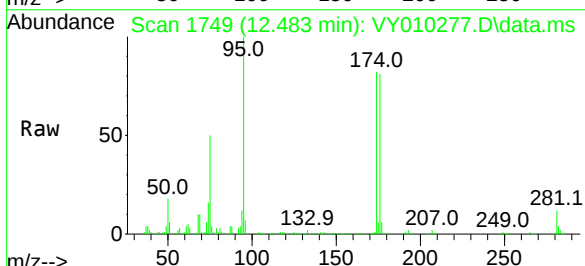
Acq: 02 Sep 2022 14:26

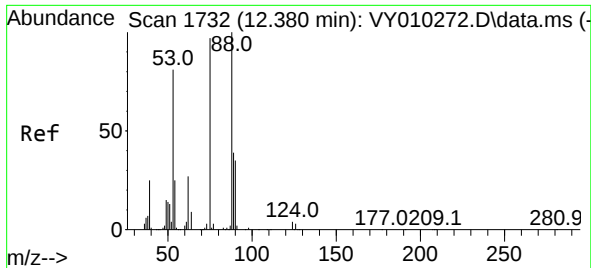
Tgt Ion: 75 Resp: 134336

Ion Ratio Lower Upper

75 100

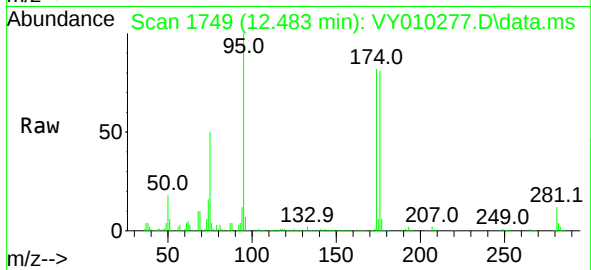
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.971 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010277.D
 Acq: 02 Sep 2022 14:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 134336
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

