

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011976.D
 Acq On : 22 Dec 2022 15:48
 Operator : KP/MD
 Sample : N6151-07RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-02-(0-2)

Quant Time: Dec 23 04:32:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	194013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	347476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	322829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142864	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	122384	62.612	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.220%
35) Dibromofluoromethane	7.716	113	110082	52.623	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.240%
50) Toluene-d8	10.179	98	421222	49.629	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.483	95	133596	46.802	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.600%

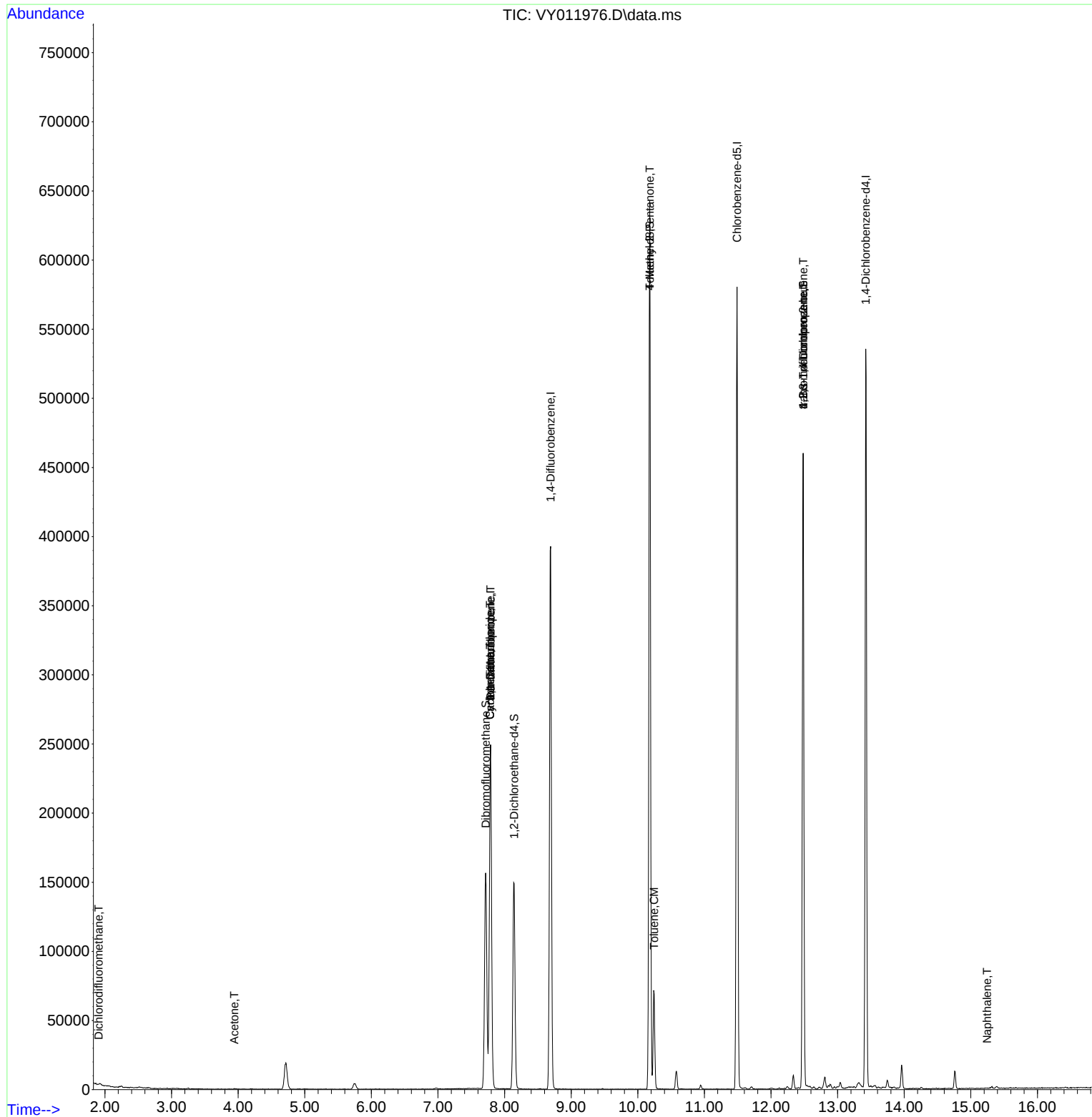
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	105	2.532	ug/l #	41
16) Acetone	3.942	43	538	5.778	ug/l	96
31) Cyclohexane	7.783	56	3572	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13909	4.145	ug/l #	49
38) Carbon Tetrachloride	7.783	117	19661	5.073	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1470	1.003	ug/l #	1
52) Toluene	10.246	92	29524	4.826	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	69644	39.176	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69644	107.284	ug/l #	13
95) Naphthalene	15.245	128	420	2.854	ug/l #	69

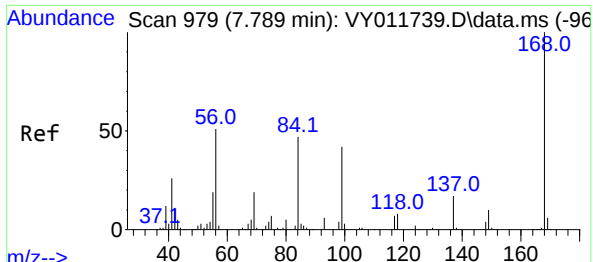
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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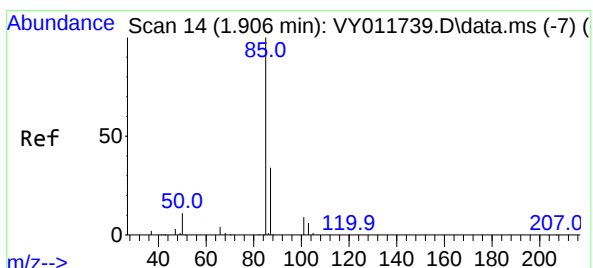
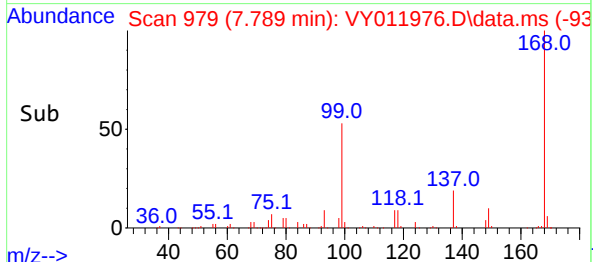
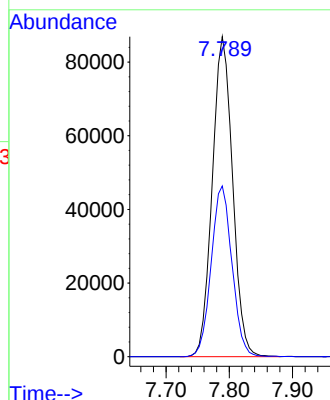
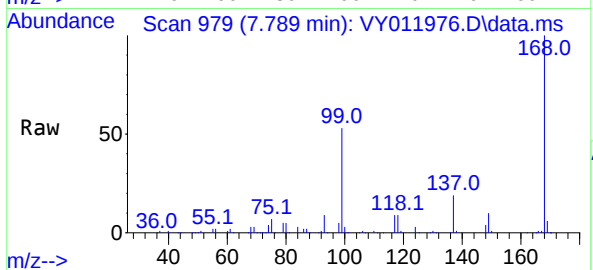




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

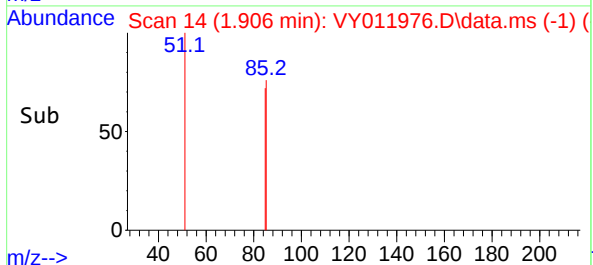
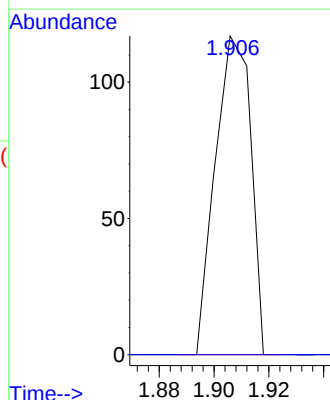
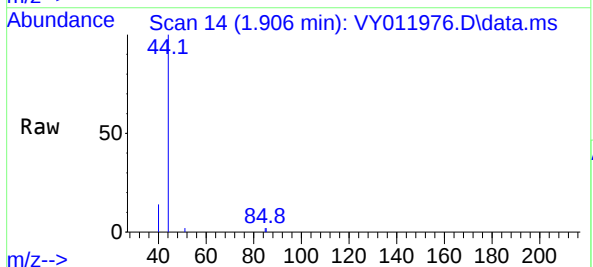
Instrument :
MSVOA_Y
ClientSampleId :
FS-02-(0-2)

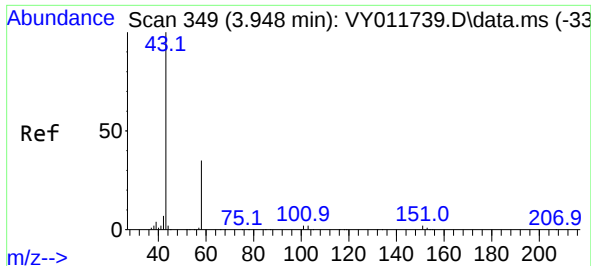
Tgt Ion:168 Resp: 194013
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.532 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Tgt Ion: 85 Resp: 105
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

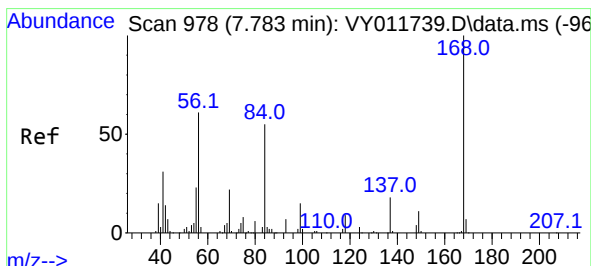
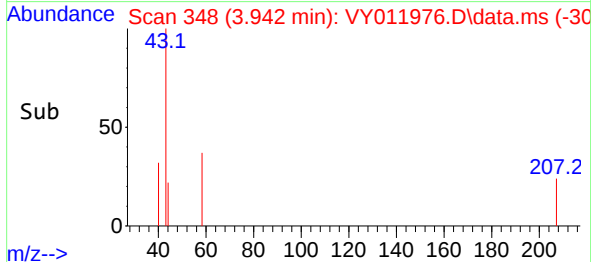
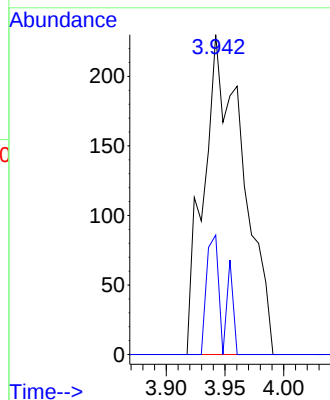
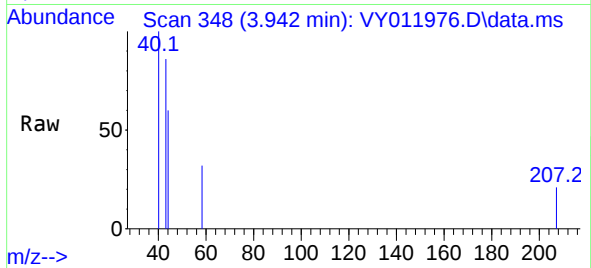




#16
Acetone
Concen: 5.778 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

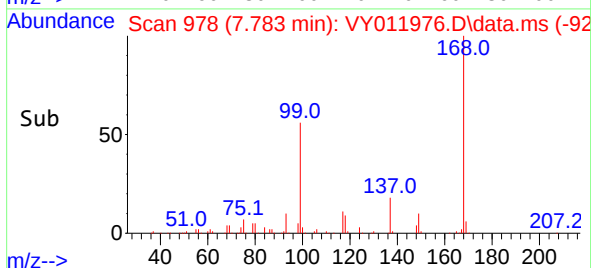
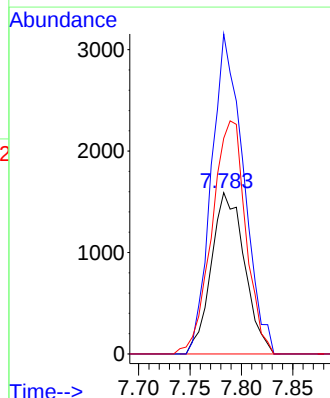
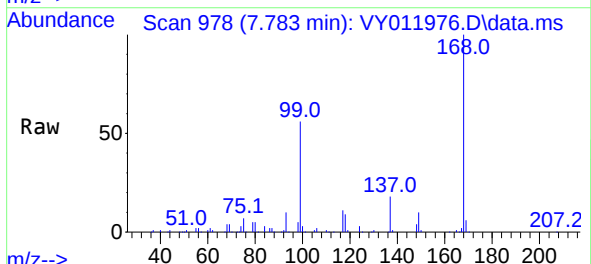
Instrument :
MSVOA_Y
ClientSampleId :
FS-02-(0-2)

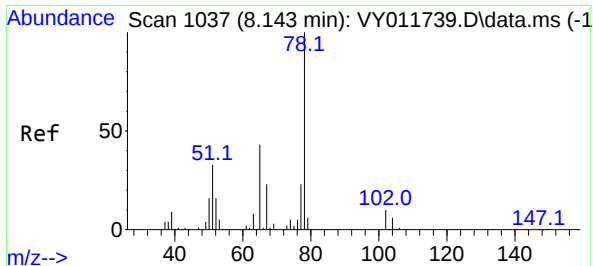
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 37.4 27.9 41.9



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Tgt Ion: 56 Resp: 3572
Ion Ratio Lower Upper
56 100
69 198.4 29.2 43.8#
84 133.7 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 62.612 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011976.D

Acq: 22 Dec 2022 15:48

Instrument :

MSVOA_Y

ClientSampleId :

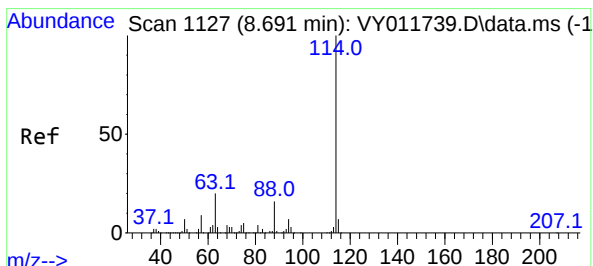
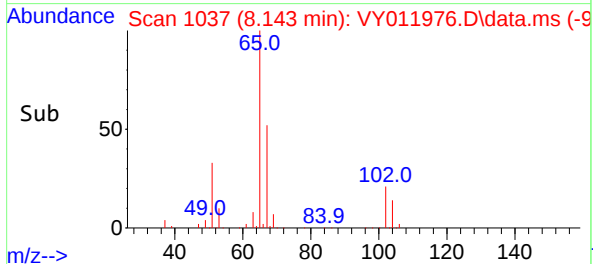
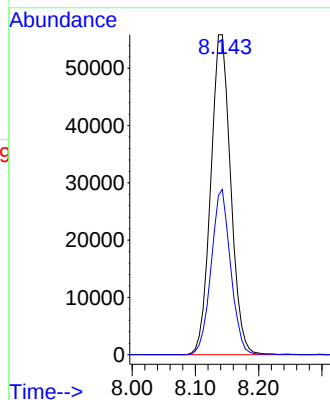
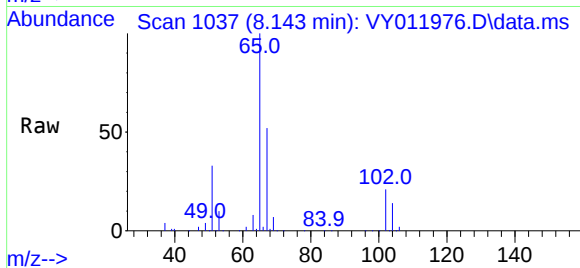
FS-02-(0-2)

Tgt Ion: 65 Resp: 122384

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011976.D

Acq: 22 Dec 2022 15:48

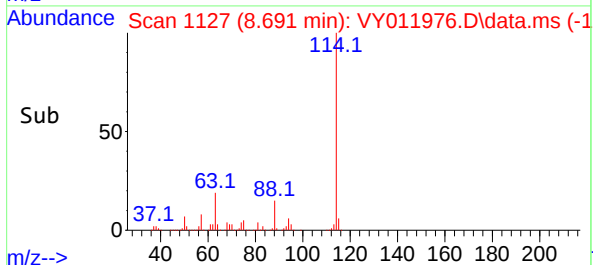
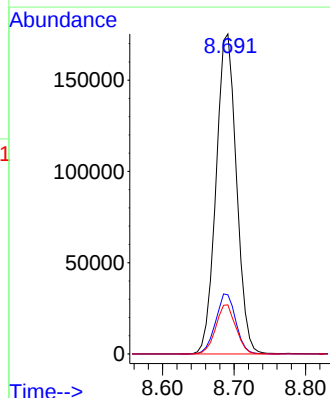
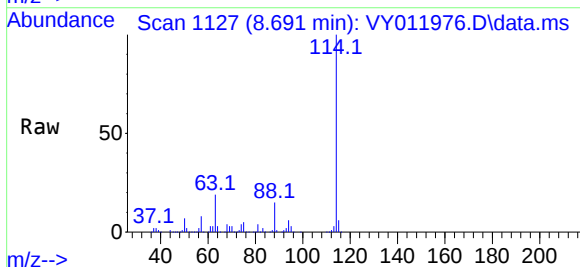
Tgt Ion: 114 Resp: 347476

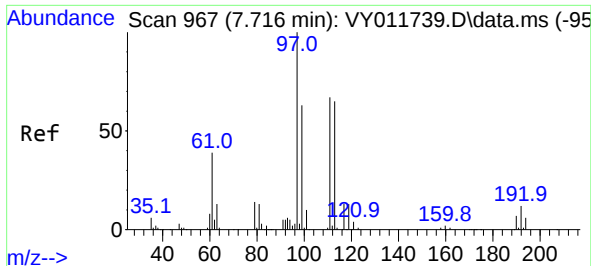
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.4 0.0 32.2

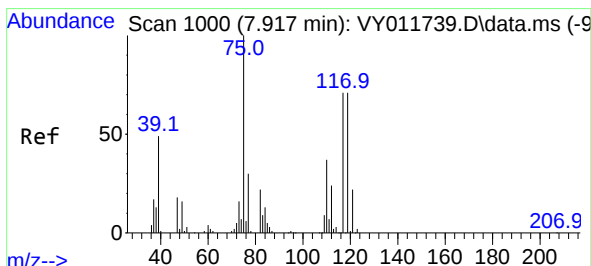
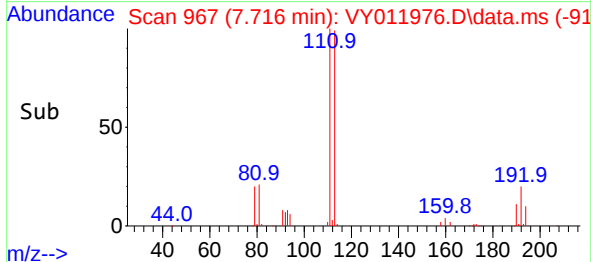
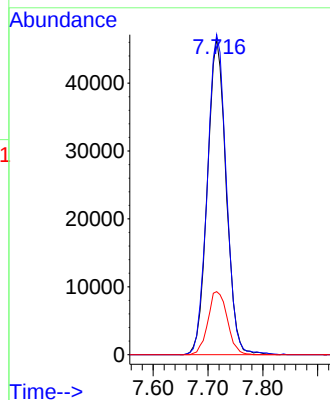
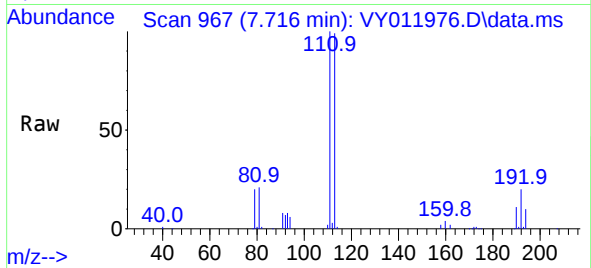




#35
Dibromofluoromethane
Concen: 52.623 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

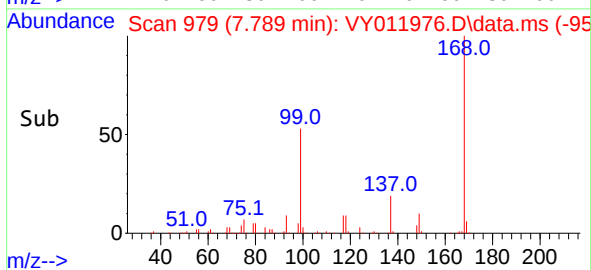
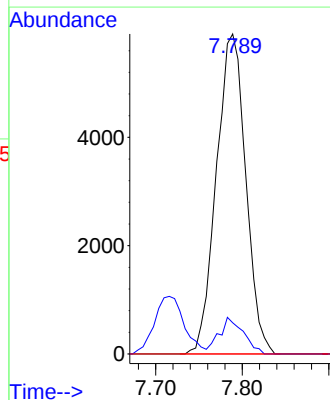
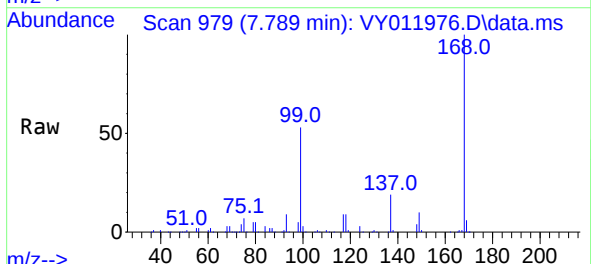
Instrument :
MSVOA_Y
ClientSampleId :
FS-02-(0-2)

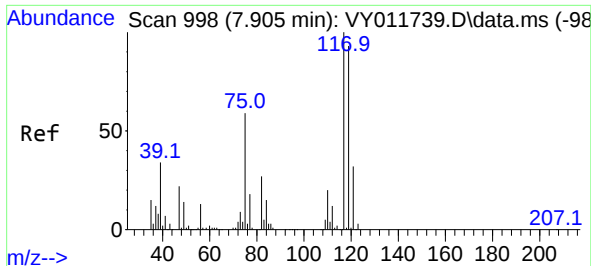
Tgt Ion:113 Resp: 110082
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.4
192 20.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.145 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Tgt Ion: 75 Resp: 13909
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.1#
77 0.0 25.1 37.7#

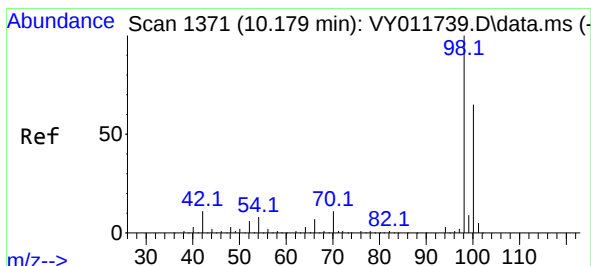
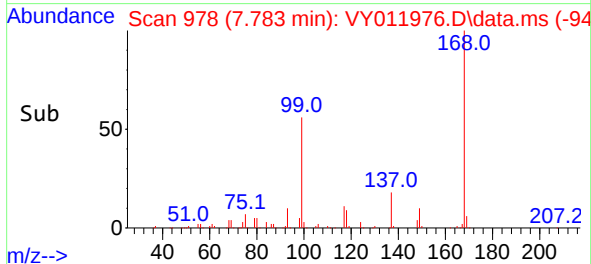
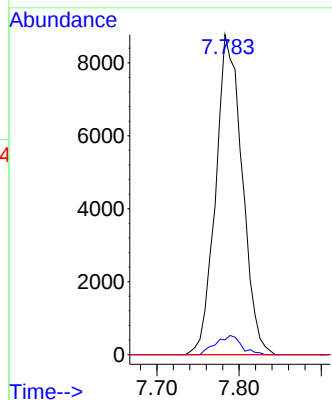
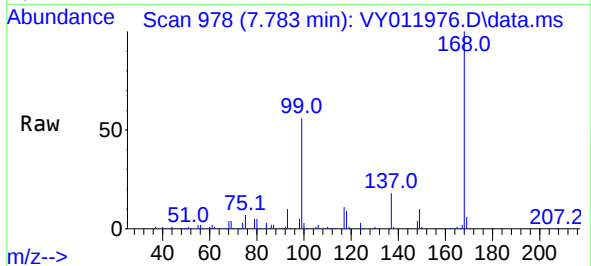




#38
Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

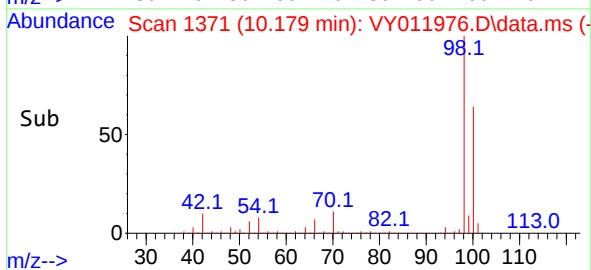
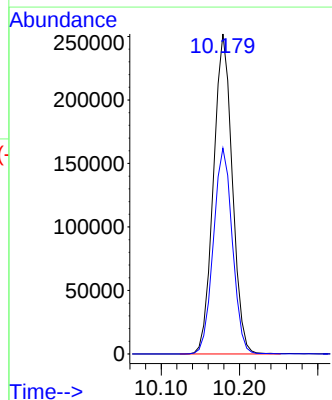
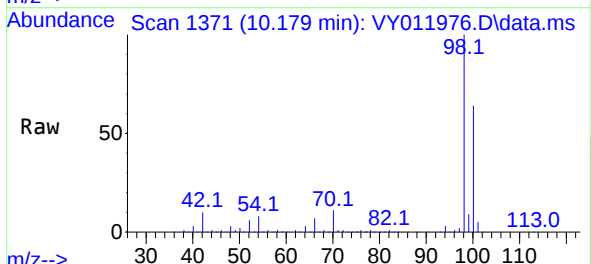
Instrument :
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ClientSampleId :
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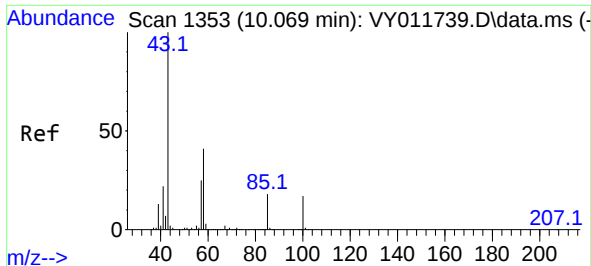
Tgt Ion:117 Resp: 19661
Ion Ratio Lower Upper
117 100
119 4.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.629 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Tgt Ion: 98 Resp: 421222
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.003 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY011976.D

Acq: 22 Dec 2022 15:48

Instrument :

MSVOA_Y

ClientSampleId :

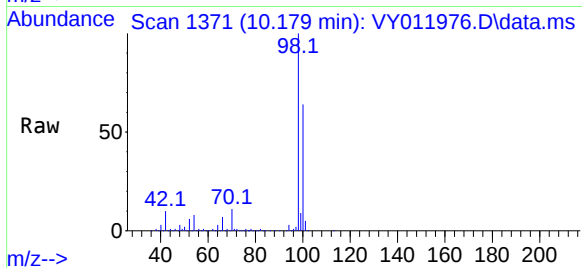
FS-02-(0-2)

Tgt Ion: 43 Resp: 1470

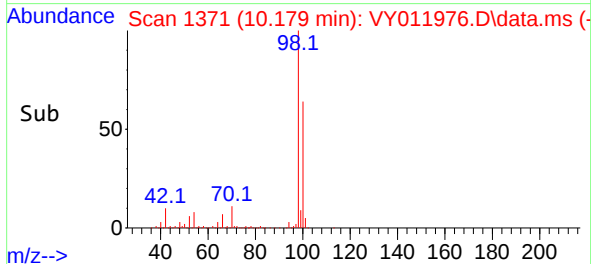
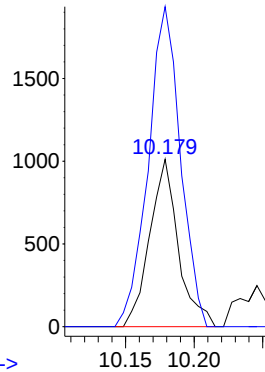
Ion Ratio Lower Upper

43 100

58 214.9 32.9 49.3#



Abundance



#52

Toluene

Concen: 4.826 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY011976.D

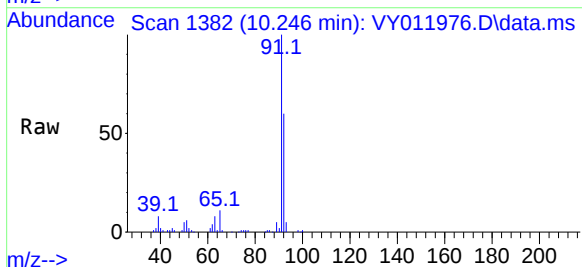
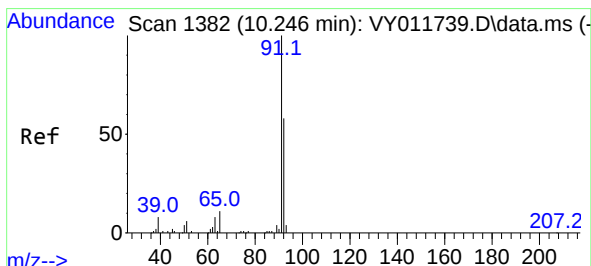
Acq: 22 Dec 2022 15:48

Tgt Ion: 92 Resp: 29524

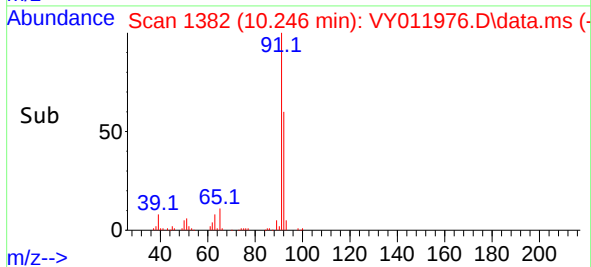
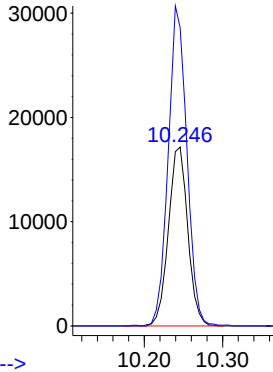
Ion Ratio Lower Upper

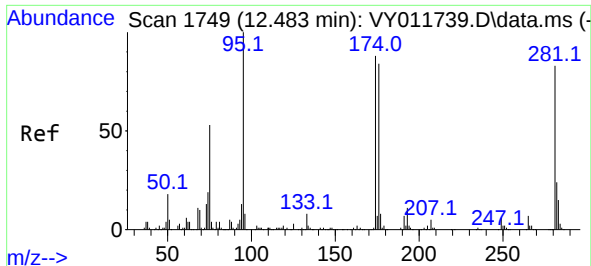
92 100

91 172.4 137.4 206.0



Abundance

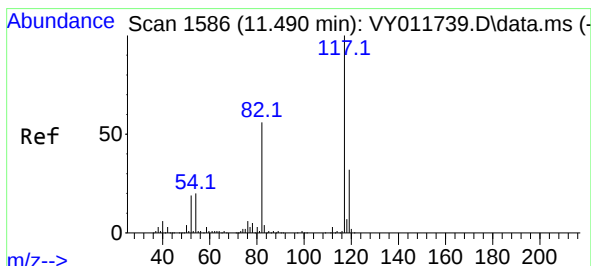
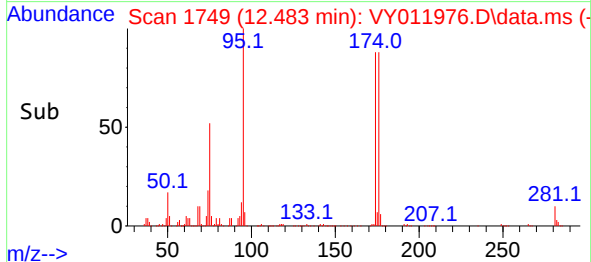
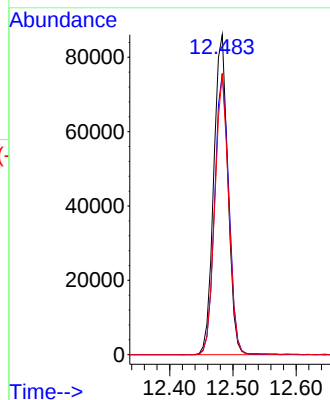
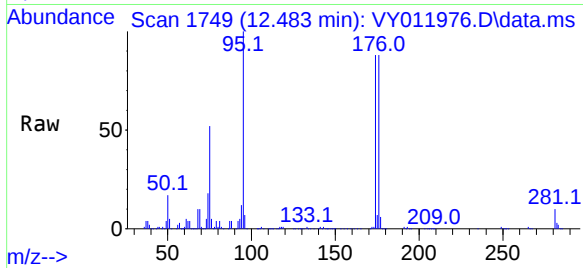




#62
4-Bromofluorobenzene
Concen: 46.802 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

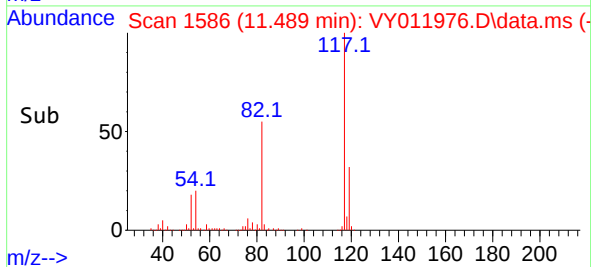
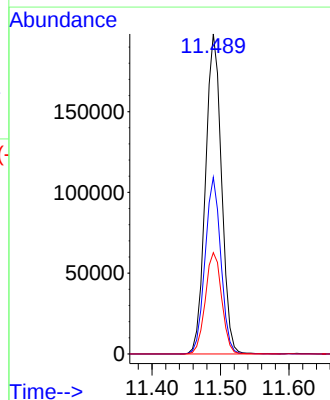
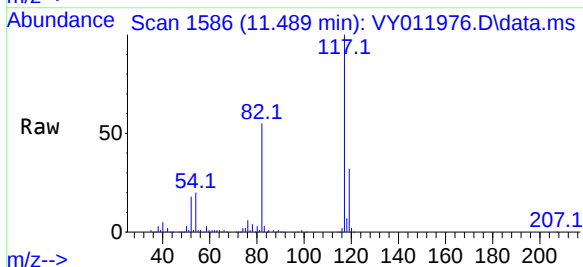
Instrument :
MSVOA_Y
ClientSampleId :
FS-02-(0-2)

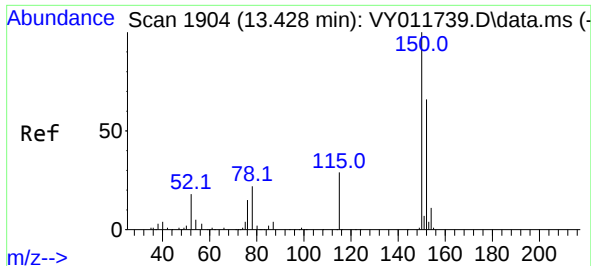
Tgt Ion: 95 Resp: 133596
Ion Ratio Lower Upper
95 100
174 88.4 0.0 172.0
176 85.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Tgt Ion: 117 Resp: 322829
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 31.6 25.4 38.2

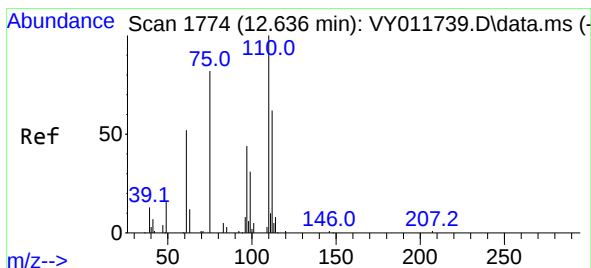
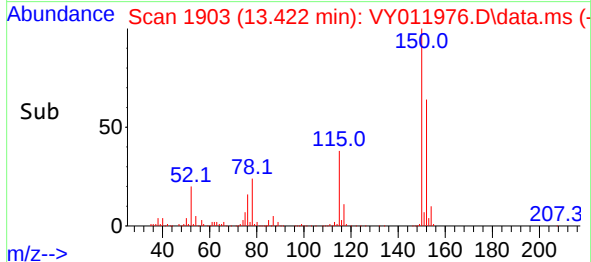
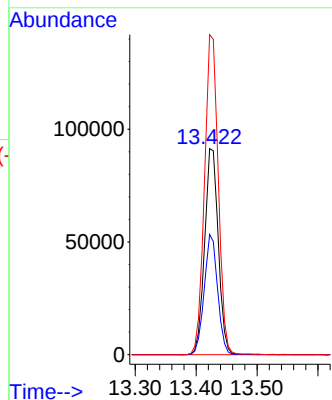
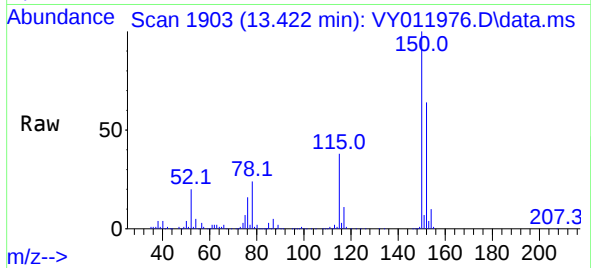




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

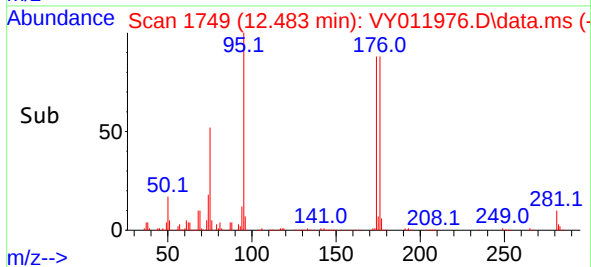
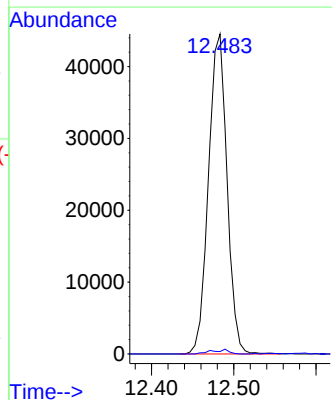
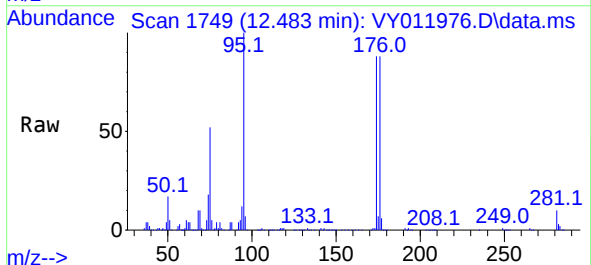
Instrument :
MSVOA_Y
ClientSampleId :
FS-02-(0-2)

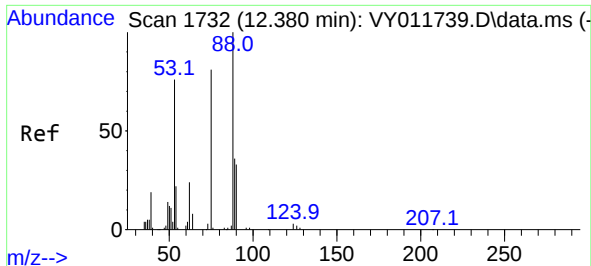
Tgt Ion:152 Resp: 142864
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.3
150 156.2 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 39.176 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Tgt Ion: 75 Resp: 69644
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

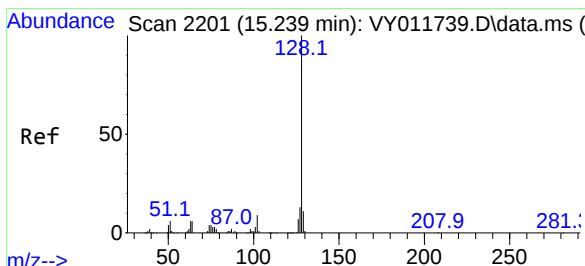
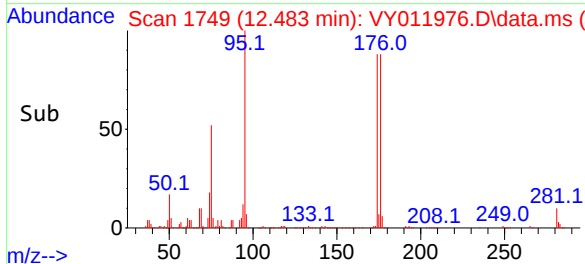
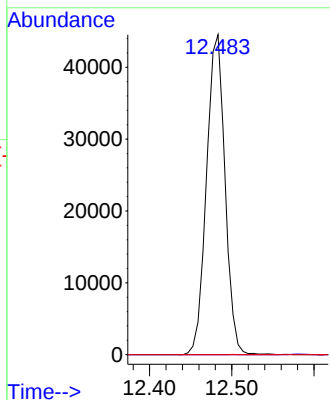
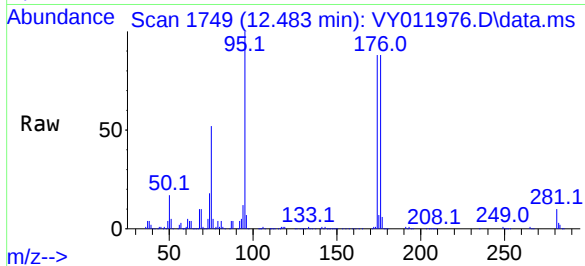




#81
trans-1,4-Dichloro-2-butene
Concen: 107.284 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Instrument :
MSVOA_Y
ClientSampleId :
FS-02-(0-2)

Tgt Ion: 75 Resp: 69644
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.854 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY011976.D
Acq: 22 Dec 2022 15:48

Tgt Ion:128 Resp: 420
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

