

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021023\
 Data File : VY012574.D
 Acq On : 10 Feb 2023 11:57
 Operator : KP/MD
 Sample : 01432-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 10 12:27:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

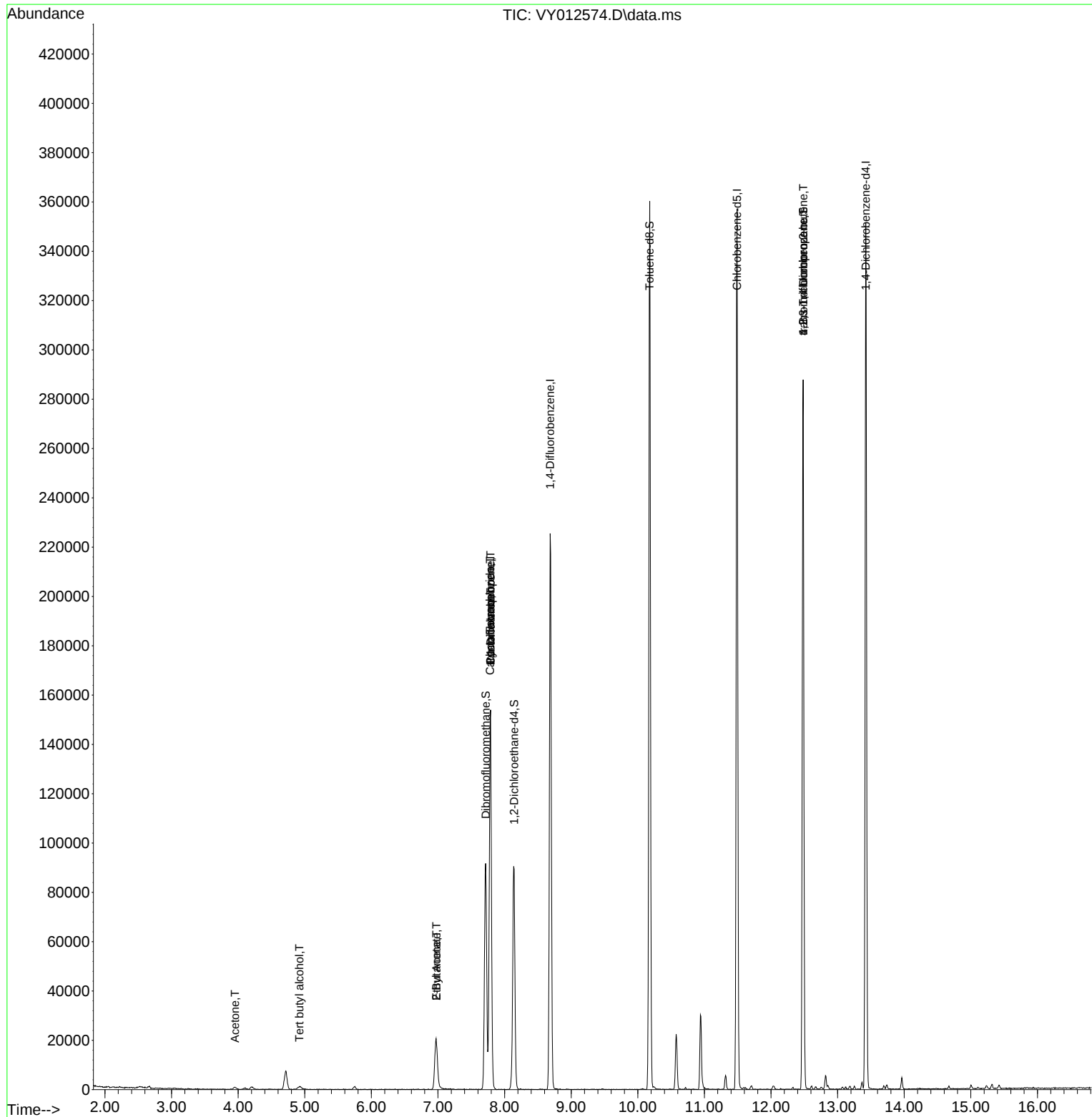
Internal Standards						
1) Pentafluorobenzene	7.789	168	123050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	204507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	75584	48.305	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.600%
35) Dibromofluoromethane	7.716	113	62069	41.675	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.360%
50) Toluene-d8	10.179	98	242517	39.122	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.240%
62) 4-Bromofluorobenzene	12.483	95	82271	38.049	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	21	Below Cal	#	41
5) Bromomethane	2.668	94	393	Below Cal	#	72
11) Tert butyl alcohol	4.917	59	1602	1.600	ug/l #	75
16) Acetone	3.954	43	1758	4.668	ug/l	98
25) 2-Butanone	6.978	43	1167	2.793	ug/l #	40
31) Cyclohexane	7.789	56	2210	1.222	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	8196	4.066	ug/l #	49
37) Ethyl Acetate	6.978	43	1167	1.283	ug/l #	1
38) Carbon Tetrachloride	7.783	117	11951	4.417	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	42346	39.385	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42346	88.815	ug/l #	12

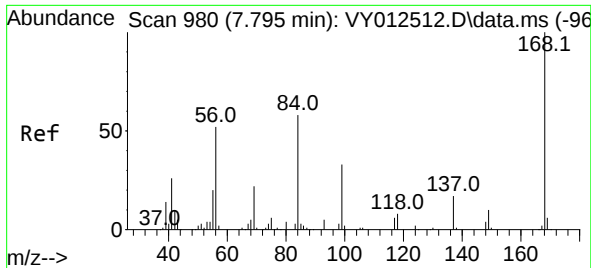
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

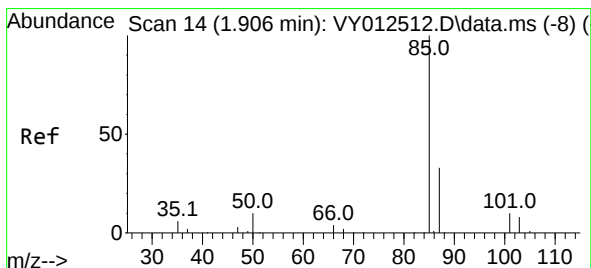
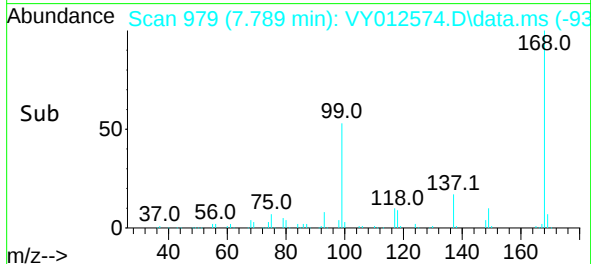
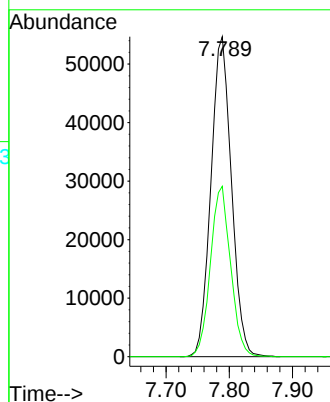
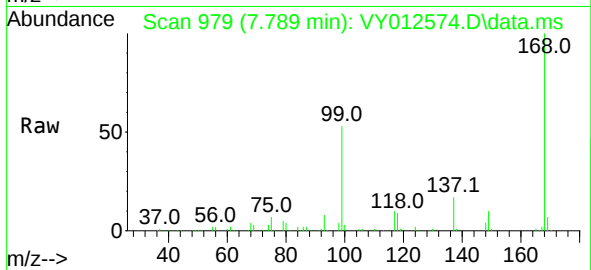




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

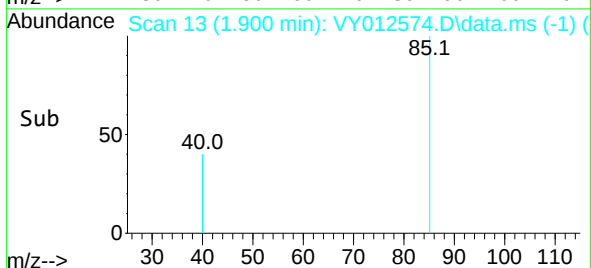
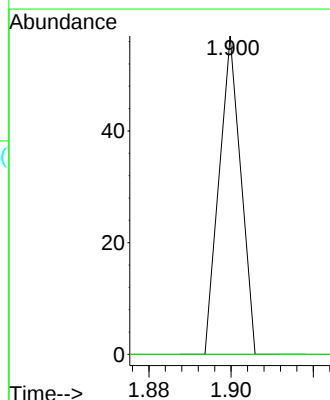
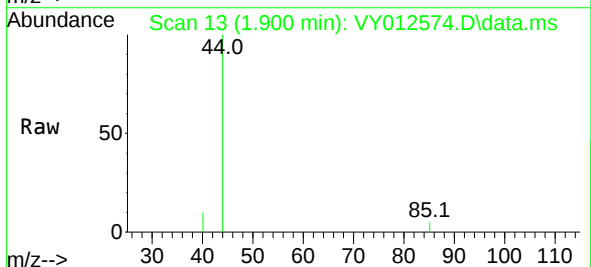
Instrument :
MSVOA_Y
ClientSampleId :

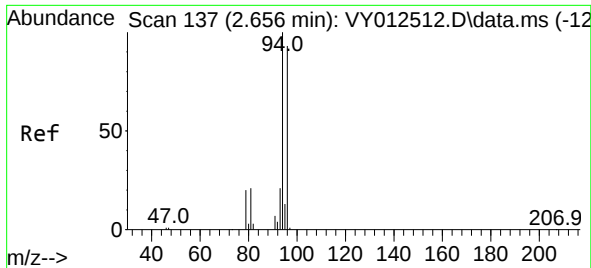
Tgt Ion:168 Resp: 123050
Ion Ratio Lower Upper
168 100
99 53.2 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

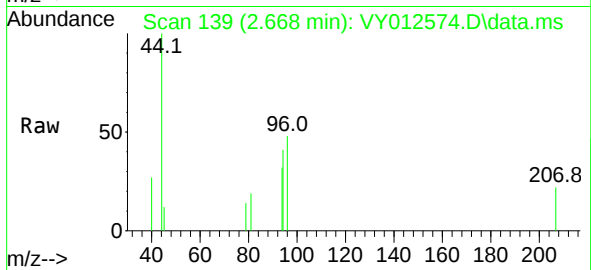
Tgt Ion: 85 Resp: 21
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#



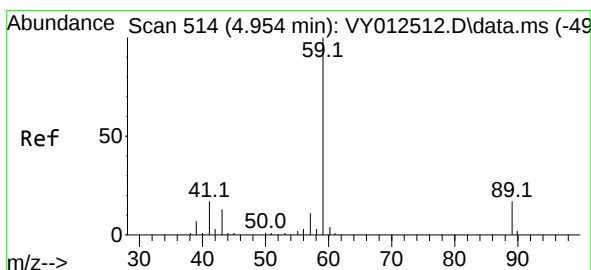
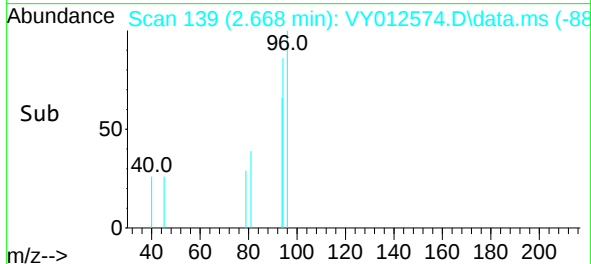
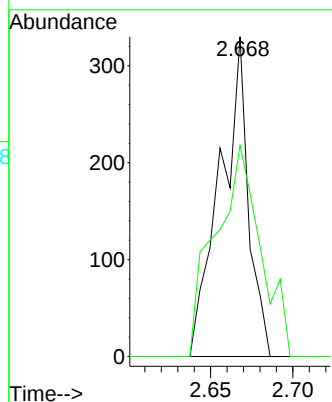


#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

Instrument :
MSVOA_Y
ClientSampleId :

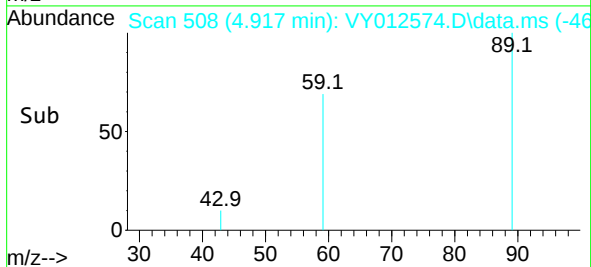
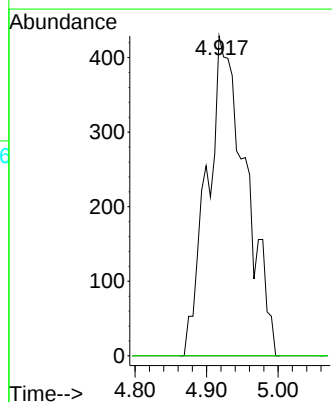
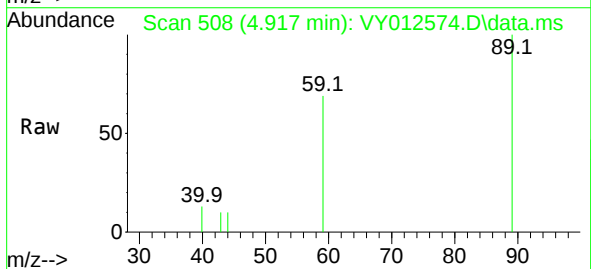


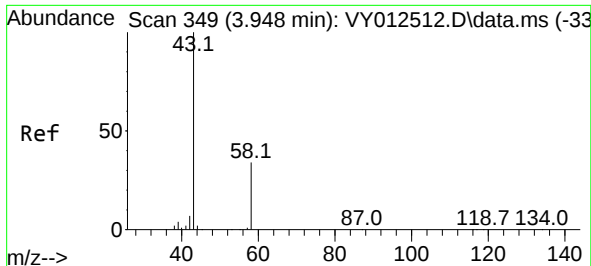
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 66.1 74.7 112.1#



#11
Tert butyl alcohol
Concen: 1.600 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.037 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

Tgt Ion: 59 Resp: 1602
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 4.668 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY012574.D

Acq: 10 Feb 2023 11:57

Instrument :

MSVOA_Y

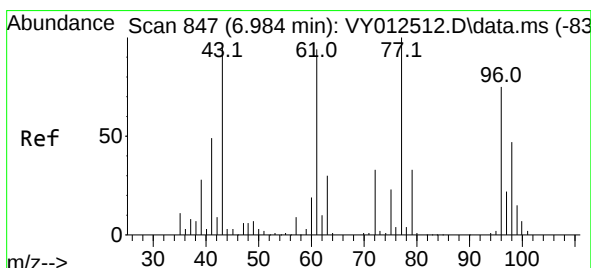
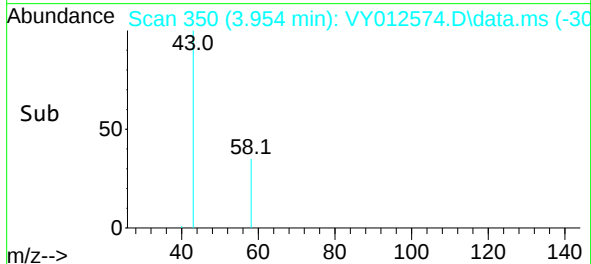
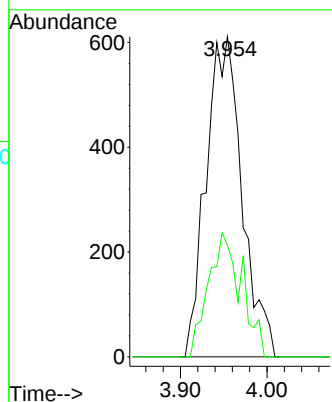
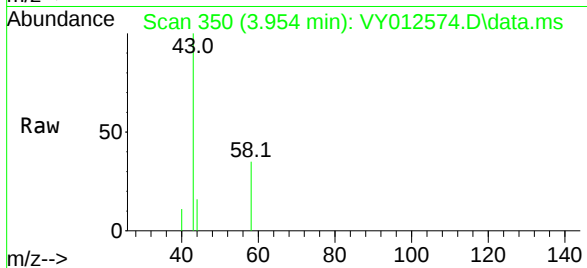
ClientSampleId :

Tgt Ion: 43 Resp: 1758

Ion Ratio Lower Upper

43 100

58 34.9 27.1 40.7



#25

2-Butanone

Concen: 2.793 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012574.D

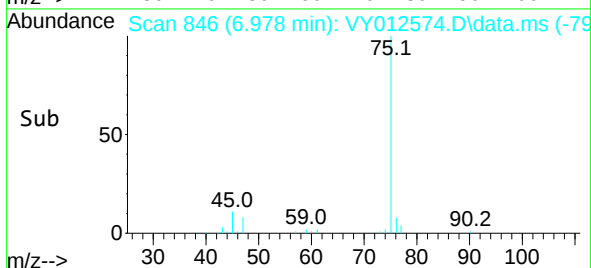
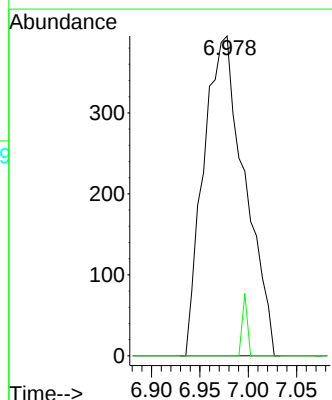
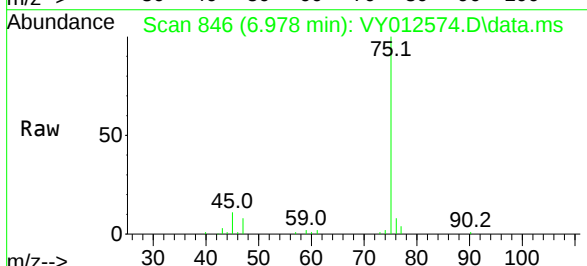
Acq: 10 Feb 2023 11:57

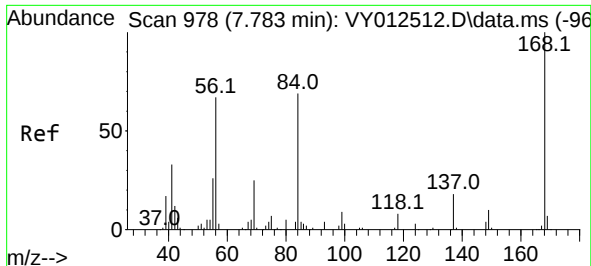
Tgt Ion: 43 Resp: 1167

Ion Ratio Lower Upper

43 100

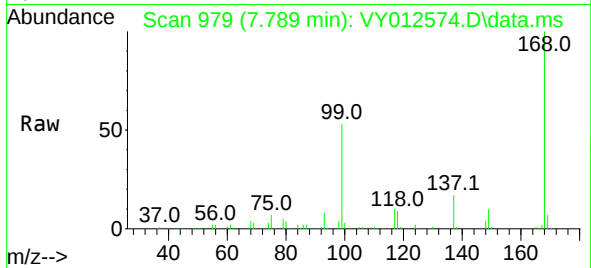
72 0.0 27.4 41.2#



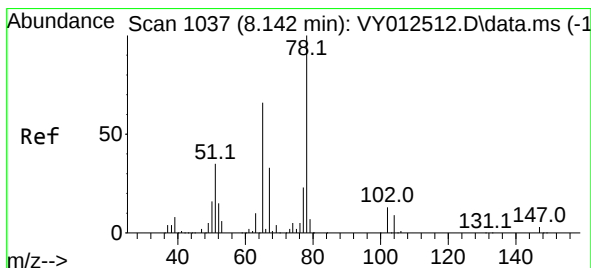
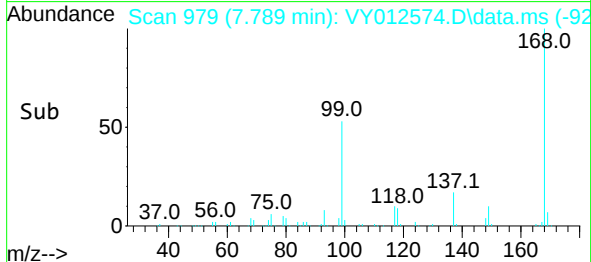
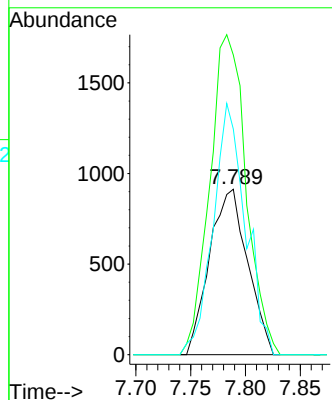


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

Instrument :
MSVOA_Y
ClientSampleId :

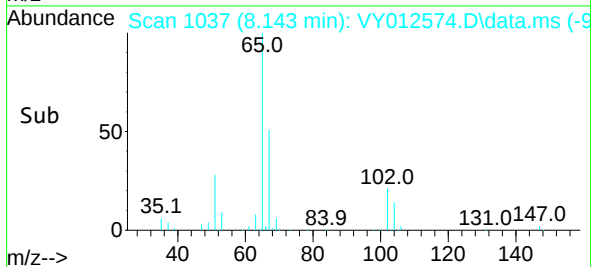
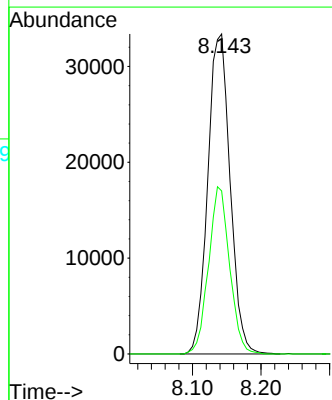
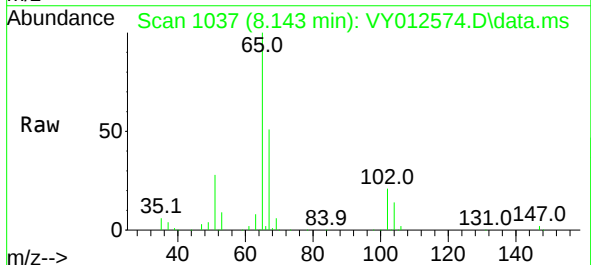


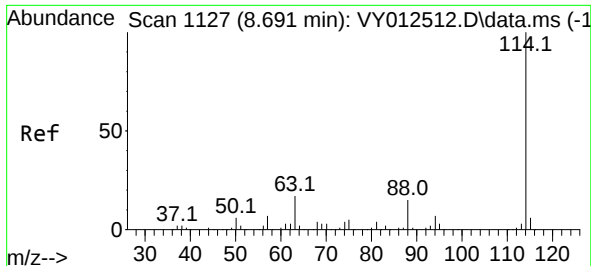
Tgt Ion: 56 Resp: 2210
Ion Ratio Lower Upper
56 100
69 181.2 29.5 44.3#
84 136.4 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 48.305 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

Tgt Ion: 65 Resp: 75584
Ion Ratio Lower Upper
65 100
67 49.3 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012574.D

Acq: 10 Feb 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :

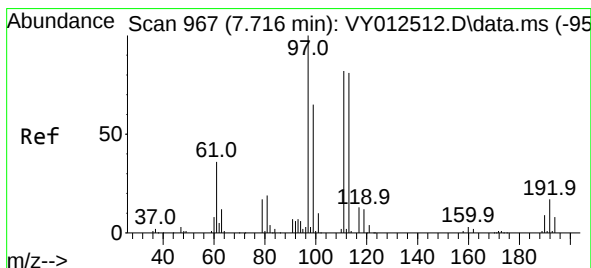
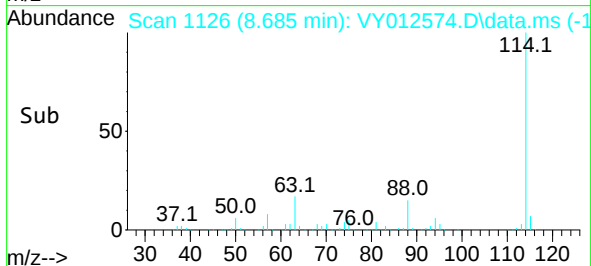
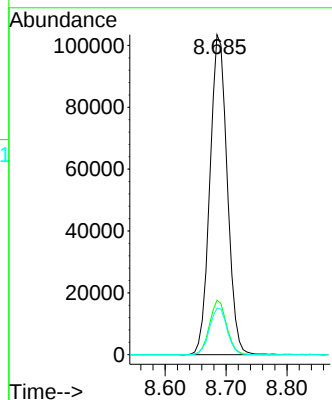
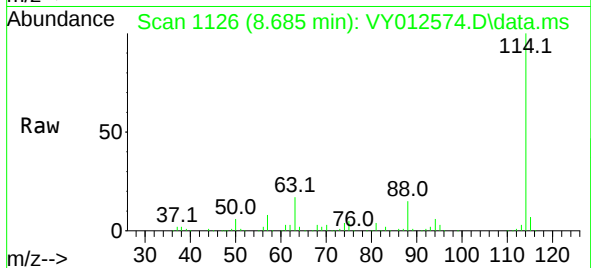
Tgt Ion:114 Resp: 204507

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

88 14.5 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.675 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012574.D

Acq: 10 Feb 2023 11:57

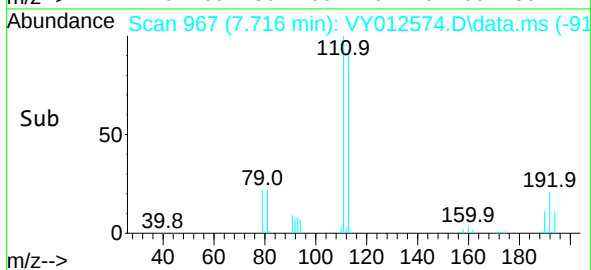
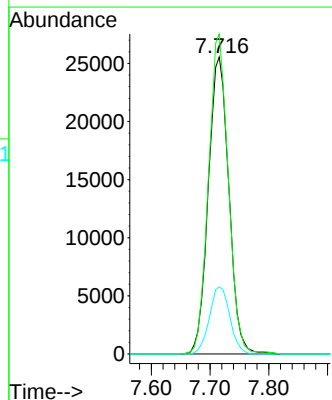
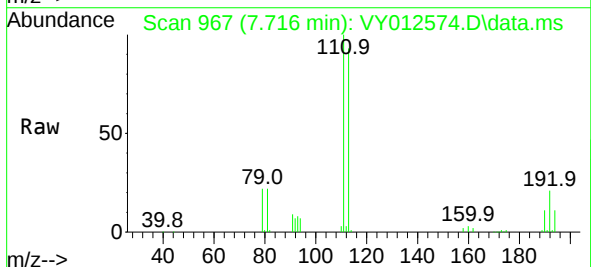
Tgt Ion:113 Resp: 62069

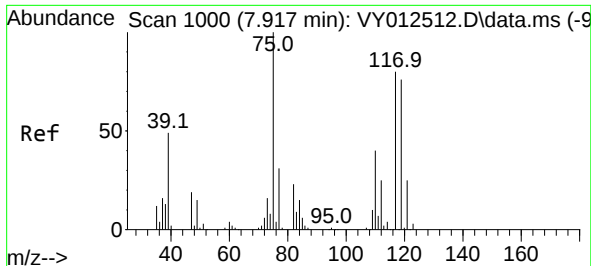
Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

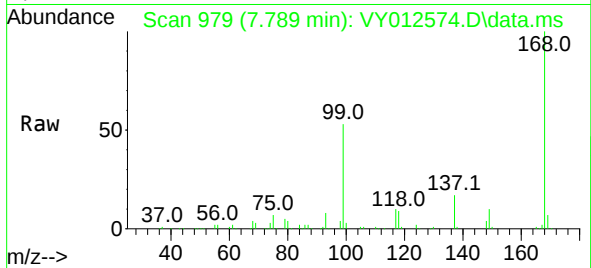
192 22.5 17.5 26.3



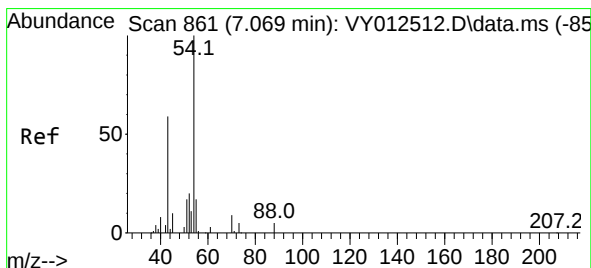
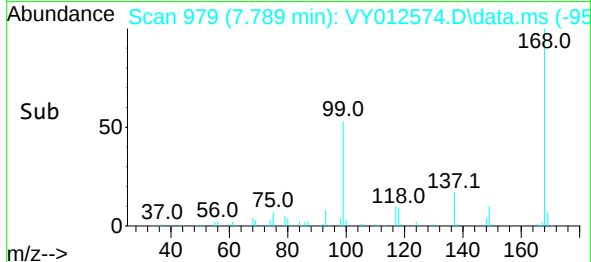
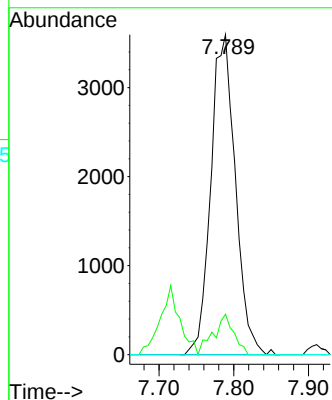


#36
1,1-Dichloropropene
Concen: 4.066 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

Instrument :
MSVOA_Y
ClientSampleId :

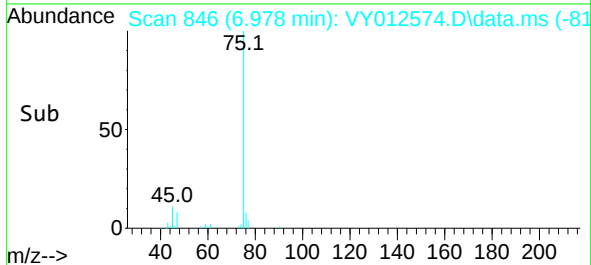
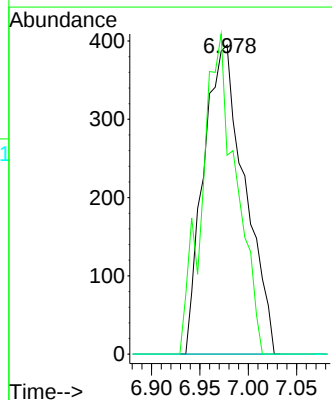
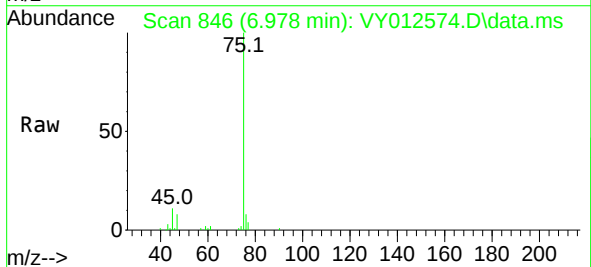


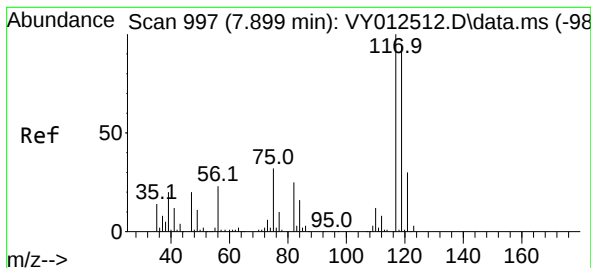
Tgt Ion: 75 Resp: 8196
Ion Ratio Lower Upper
75 100
110 10.5 19.5 58.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.283 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.091 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
61 86.2 12.5 18.7#
70 0.0 11.0 16.4#





#38

Carbon Tetrachloride

Concen: 4.417 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

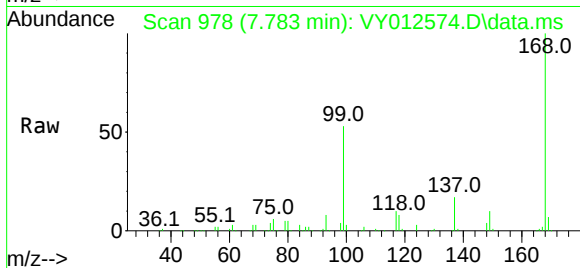
Lab File: VY012574.D

Acq: 10 Feb 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :



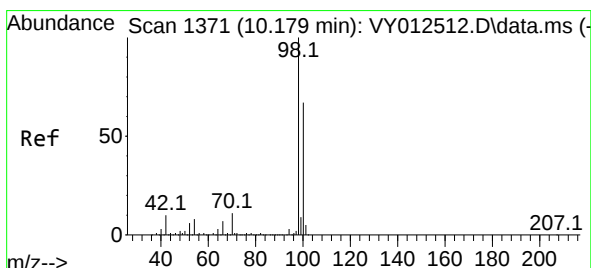
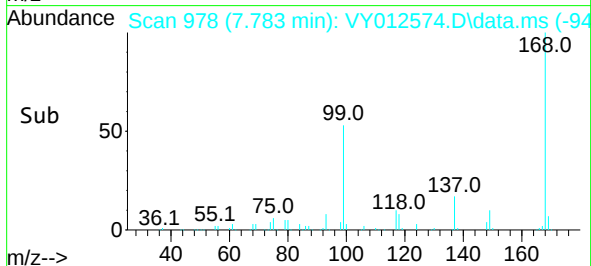
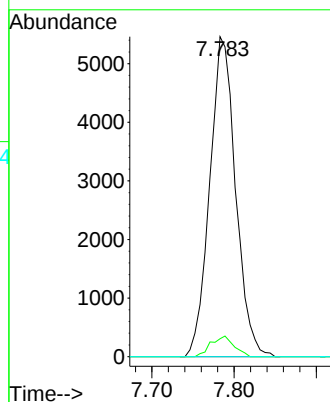
Tgt Ion:117 Resp: 11951

Ion Ratio Lower Upper

117 100

119 5.6 75.1 112.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 39.122 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012574.D

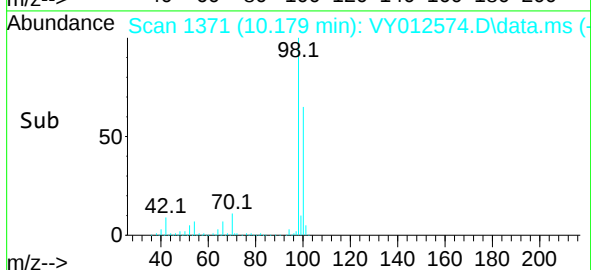
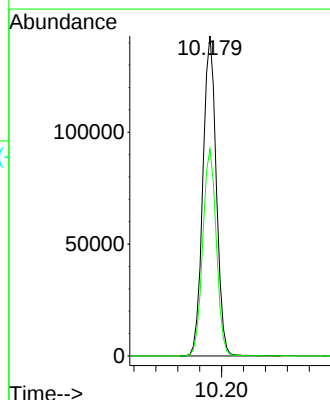
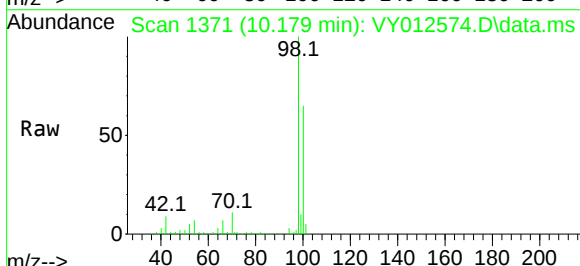
Acq: 10 Feb 2023 11:57

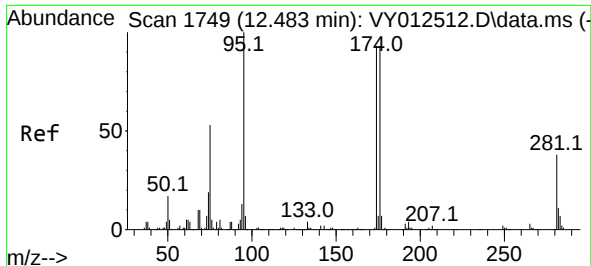
Tgt Ion: 98 Resp: 242517

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2

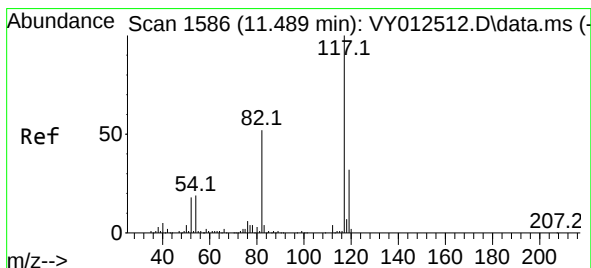
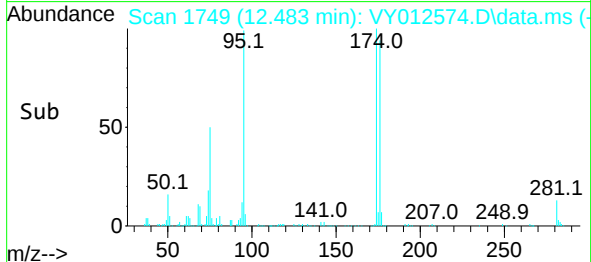
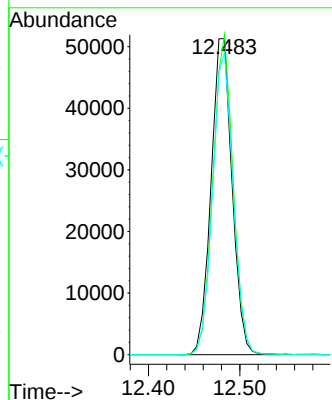
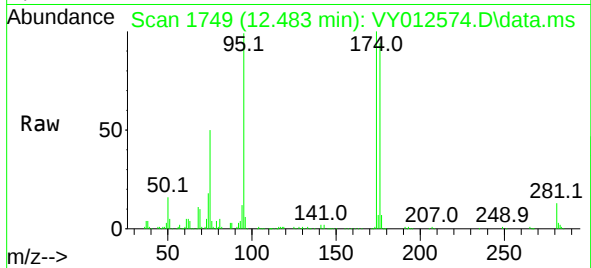




#62
4-Bromofluorobenzene
Concen: 38.049 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

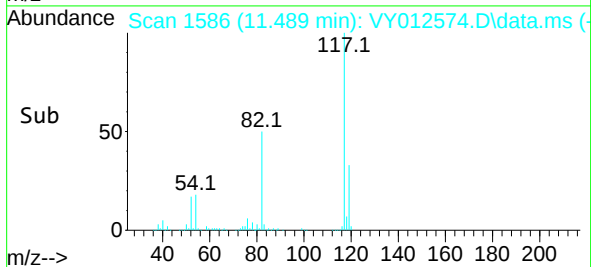
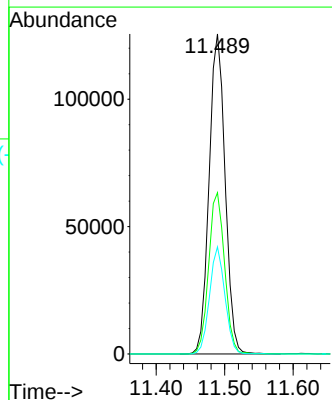
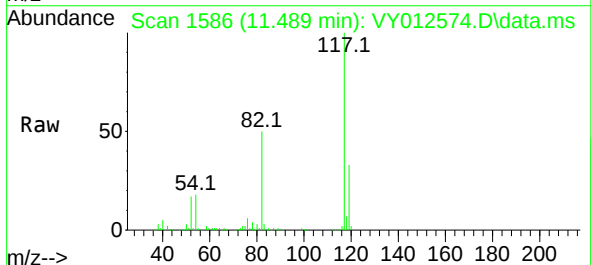
Instrument :
MSVOA_Y
ClientSampleId :

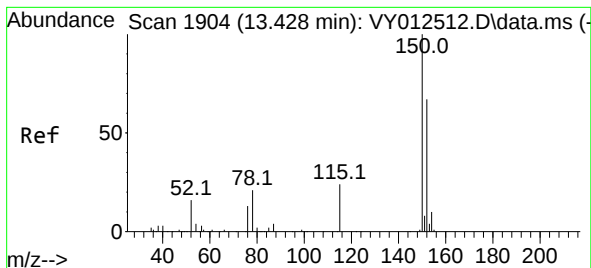
Tgt Ion: 95 Resp: 82271
Ion Ratio Lower Upper
95 100
174 97.1 0.0 188.0
176 93.6 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012574.D
Acq: 10 Feb 2023 11:57

Tgt Ion: 117 Resp: 203857
Ion Ratio Lower Upper
117 100
82 50.4 41.7 62.5
119 33.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012574.D

Acq: 10 Feb 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :

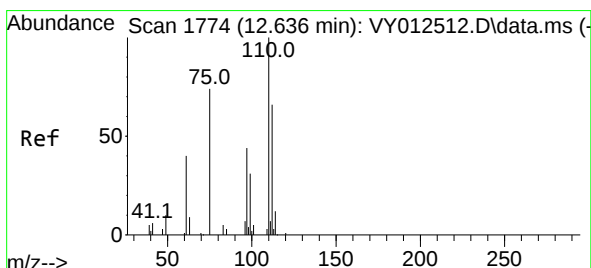
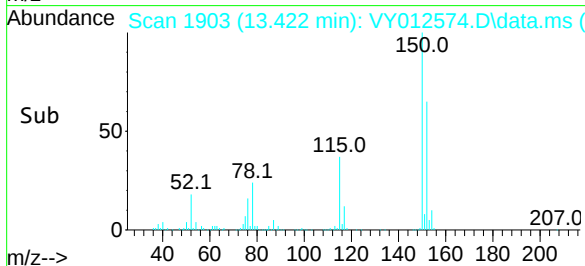
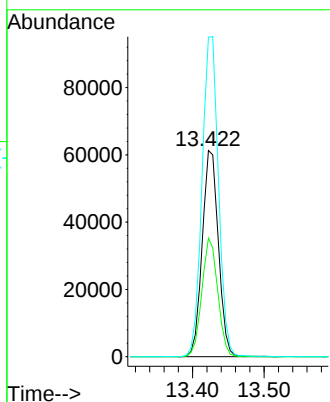
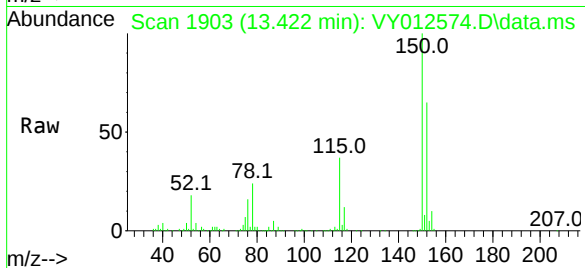
Tgt Ion:152 Resp: 96236

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.3

150 157.9 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 39.385 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012574.D

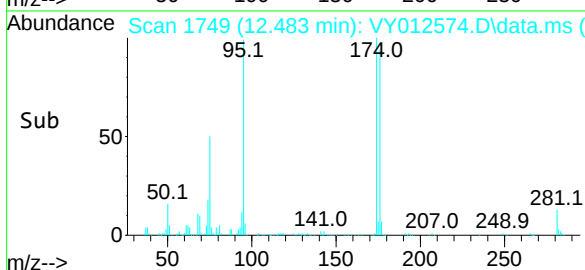
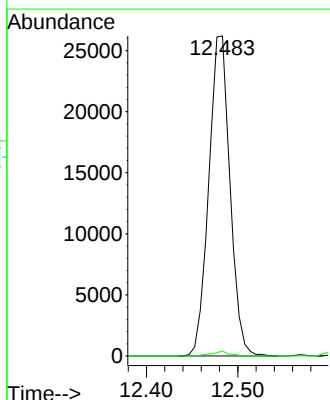
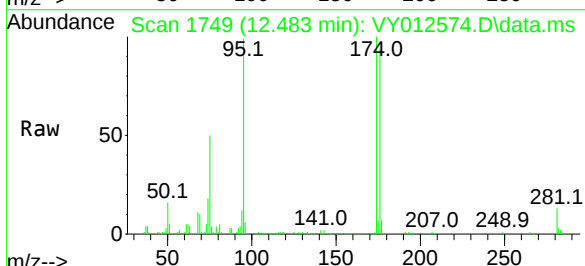
Acq: 10 Feb 2023 11:57

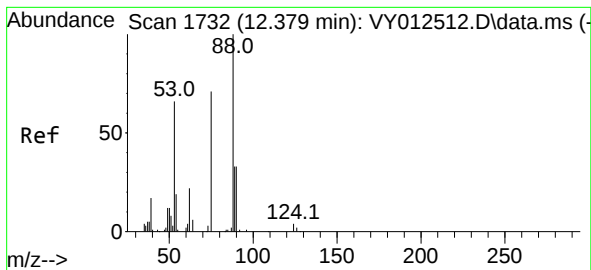
Tgt Ion: 75 Resp: 42346

Ion Ratio Lower Upper

75 100

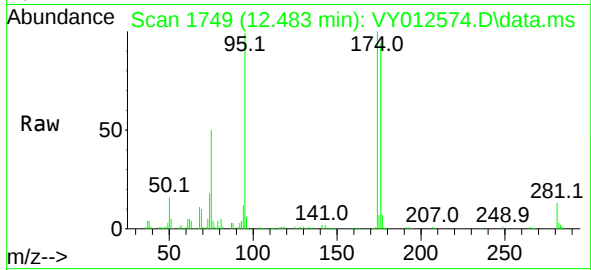
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.815 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012574.D
 Acq: 10 Feb 2023 11:57

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 42346
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

