

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012114.D
 Acq On : 09 Jan 2023 16:34
 Operator : KP/MD
 Sample : 01064-06
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-14-01

Quant Time: Jan 10 01:48:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

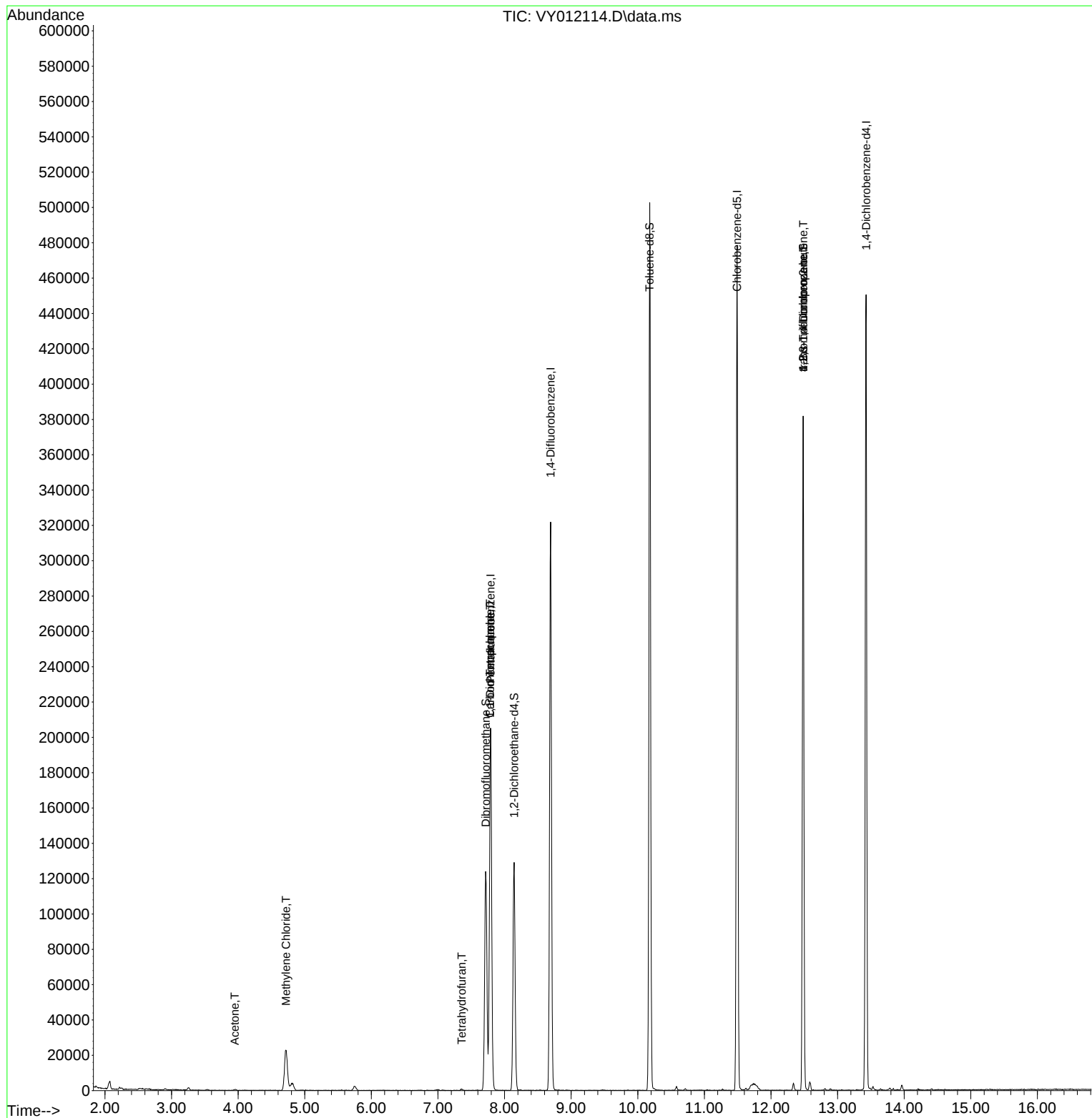
Internal Standards						
1) Pentafluorobenzene	7.789	168	161188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	264029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	104876	57.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.800%
35) Dibromofluoromethane	7.716	113	85710	46.978	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.960%
50) Toluene-d8	10.179	98	333234	46.275	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.540%
62) 4-Bromofluorobenzene	12.483	95	108578	43.135	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.280%
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	48	Below Cal	#	41
3) Chloromethane	2.119	50	48	Below Cal	#	21
5) Bromomethane	2.662	94	23	Below Cal		97
11) Tert butyl alcohol	4.948	59	107	Below Cal	#	74
16) Acetone	3.948	43	996	2.338	ug/l #	66
20) Methylene Chloride	4.716	84	19011	5.260	ug/l	87
29) Tetrahydrofuran	7.356	42	451	1.374	ug/l #	90
31) Cyclohexane	7.789	56	2967	Below Cal	#	35
36) 1,1-Dichloropropene	7.783	75	11024	3.983	ug/l #	51
38) Carbon Tetrachloride	7.783	117	16153	4.598	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	58691	42.602	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58691	94.613	ug/l #	13

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

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Quant Time: Jan 10 01:48:21 2023
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Quant Title : SW846 8260
QLast Update : Sat Jan 07 01:46:48 2023
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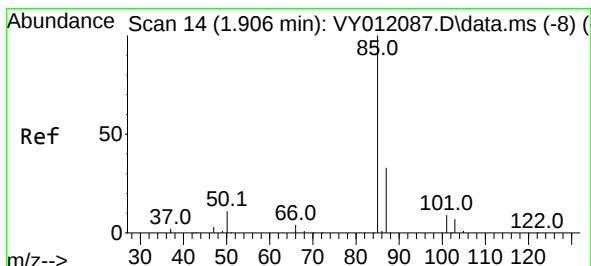
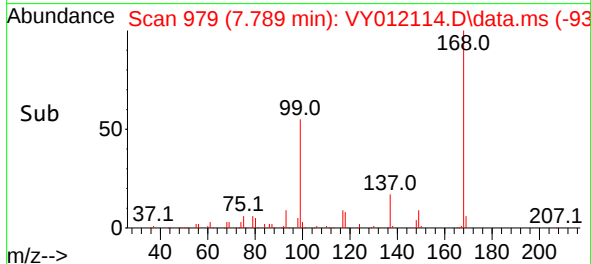
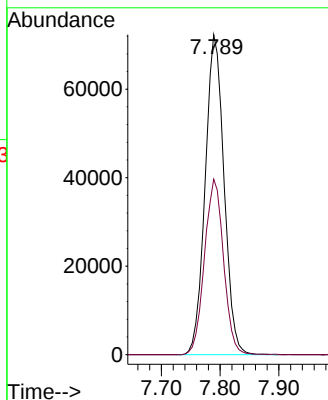
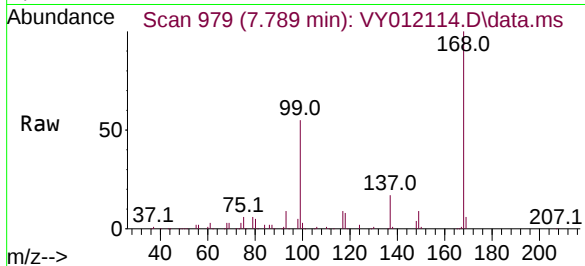




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

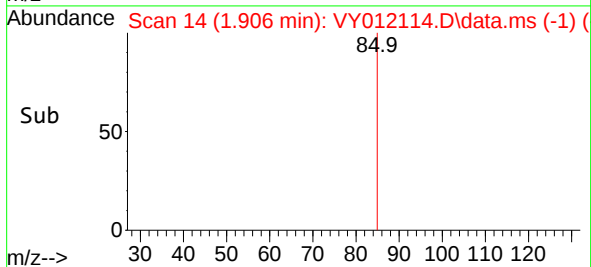
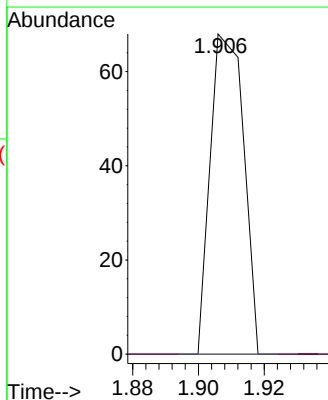
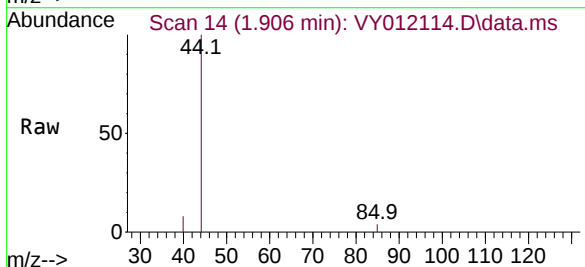
Instrument :
MSVOA_Y
ClientSampleId :
S-14-01

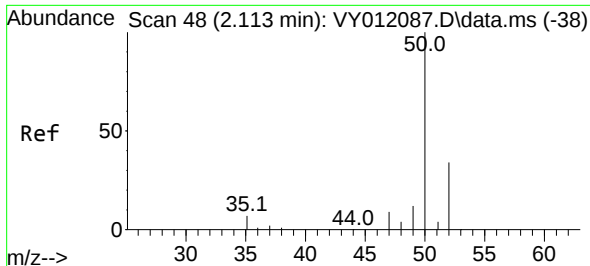
Tgt Ion:168 Resp: 161188
Ion Ratio Lower Upper
168 100
99 54.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

Tgt Ion: 85 Resp: 48
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

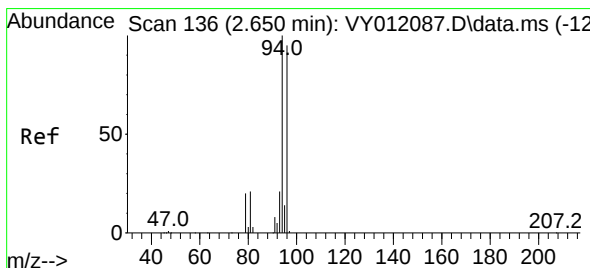
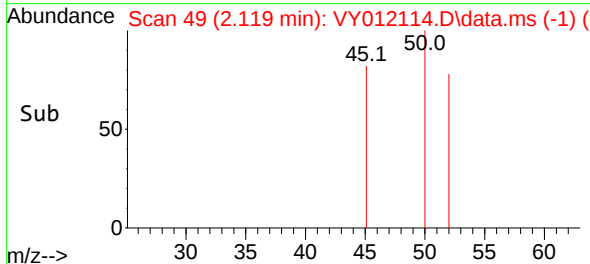
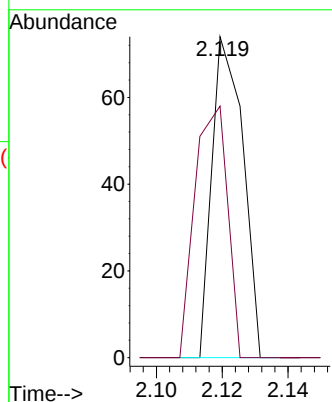
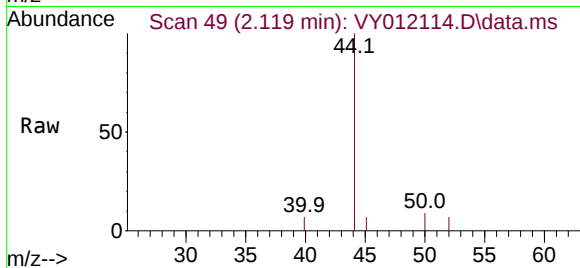
S-14-01

Tgt Ion: 50 Resp: 48

Ion Ratio Lower Upper

50 100

52 78.4 26.8 40.2#



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012114.D

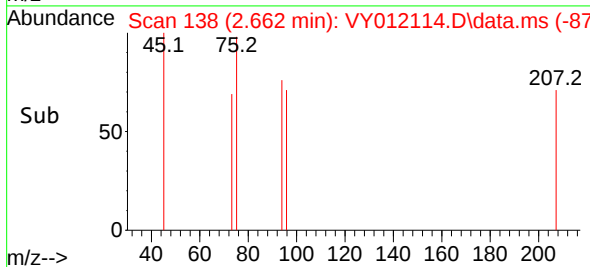
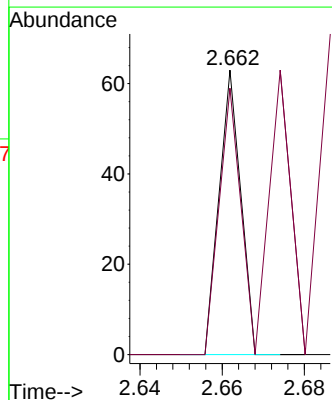
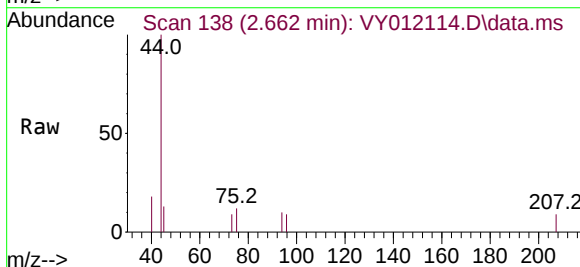
Acq: 09 Jan 2023 16:34

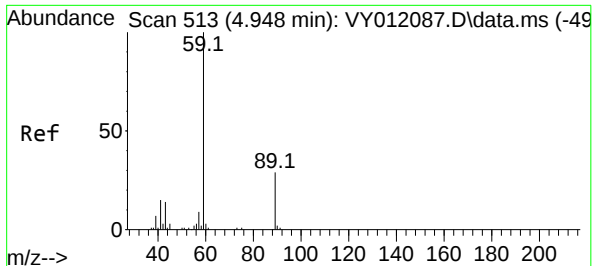
Tgt Ion: 94 Resp: 23

Ion Ratio Lower Upper

94 100

96 93.7 77.4 116.2

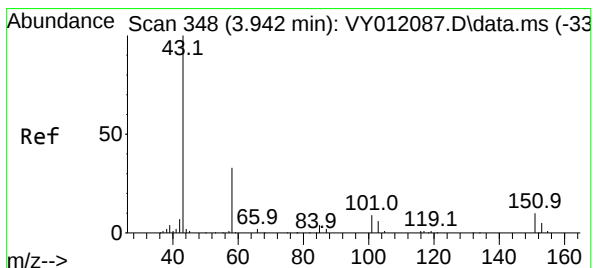
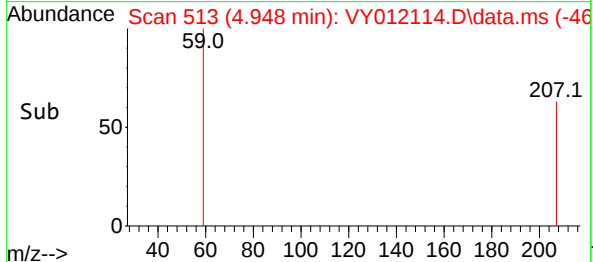
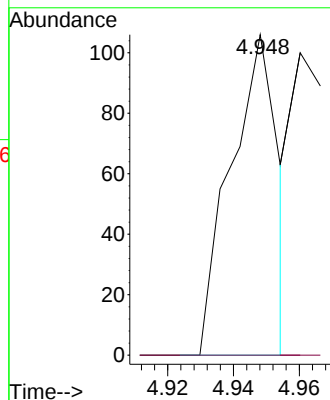
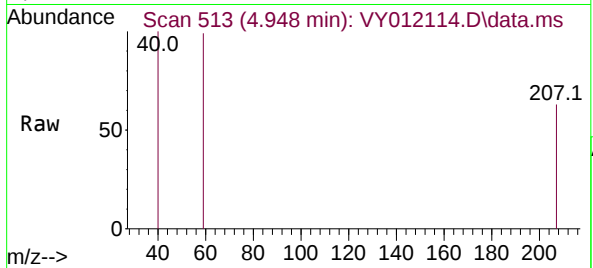




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

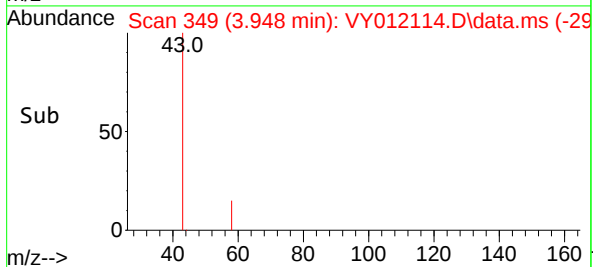
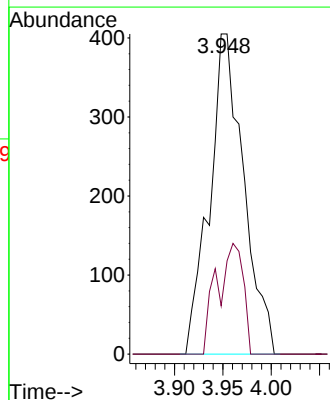
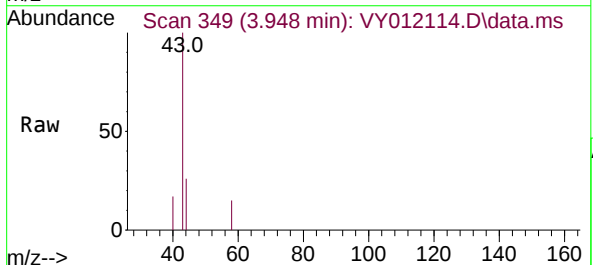
Instrument :
MSVOA_Y
ClientSampleId :
S-14-01

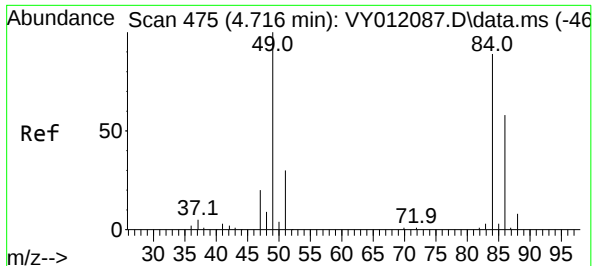
Tgt Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 2.338 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

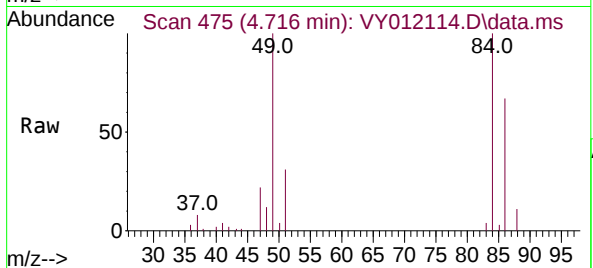
Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 15.1 27.9 41.9#



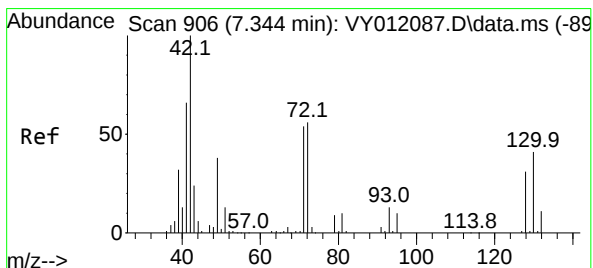
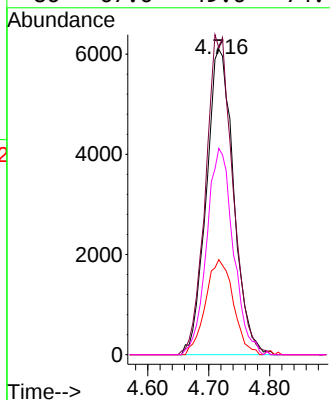


#20
Methylene Chloride
Concen: 5.260 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

Instrument :
MSVOA_Y
ClientSampleId :
S-14-01

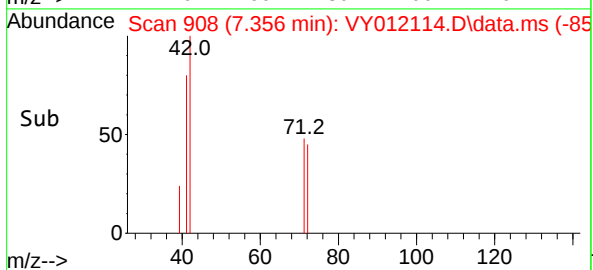
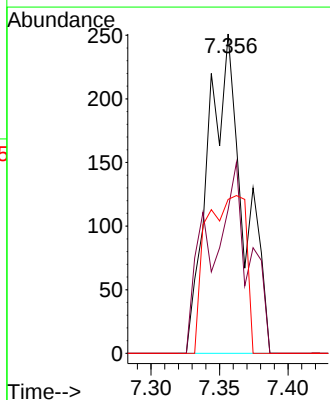
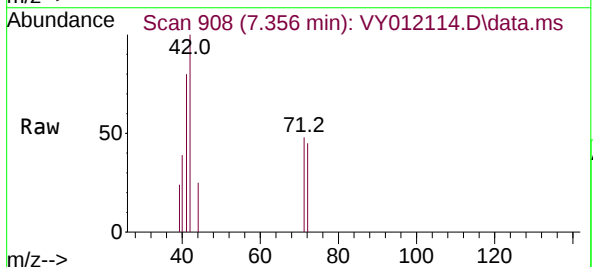


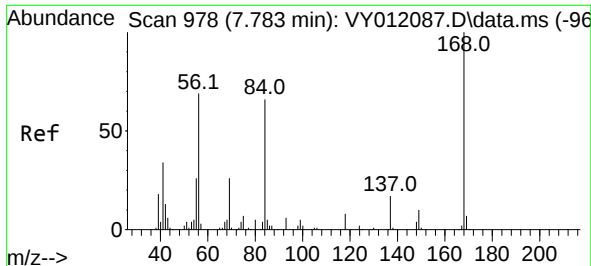
Tgt Ion:	84	Resp:	19011
Ion	Ratio	Lower	Upper
84	100		
49	100.5	95.4	143.2
51	31.2	29.9	44.9
86	67.6	49.6	74.4



#29
Tetrahydrofuran
Concen: 1.374 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

Tgt Ion:	42	Resp:	451
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.0	55.6
71	55.4	34.9	52.3

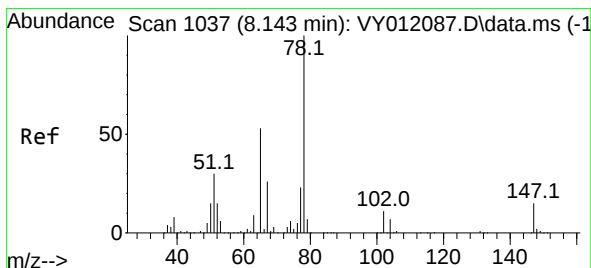
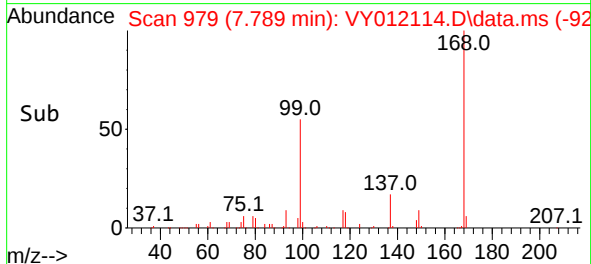
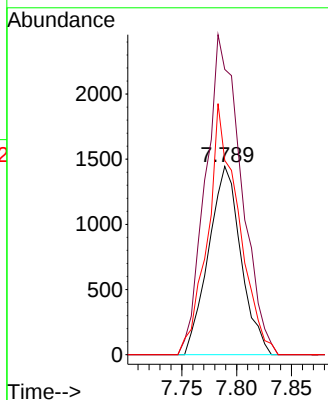
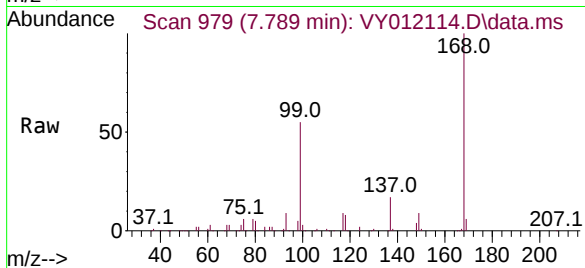




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

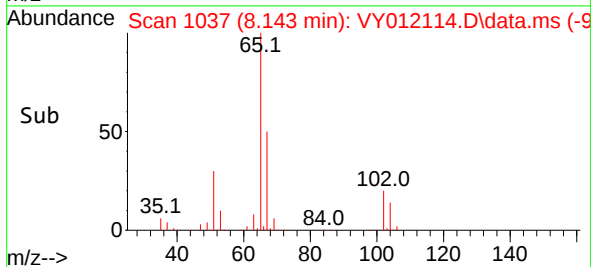
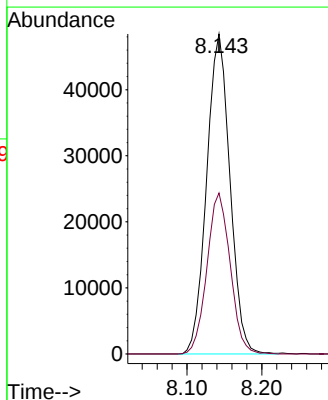
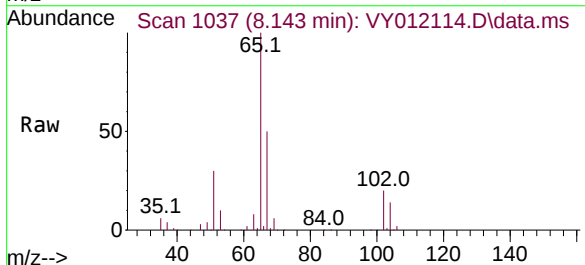
Instrument :
MSVOA_Y
ClientSampleId :
S-14-01

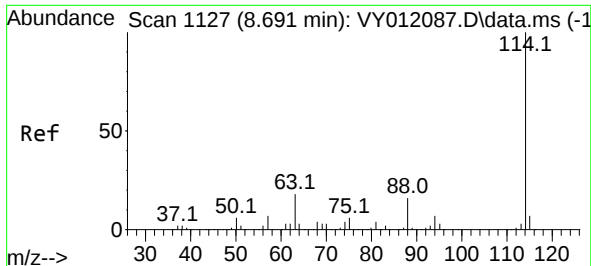
Tgt Ion: 56 Resp: 2967
Ion Ratio Lower Upper
56 100
69 151.6 29.2 43.8#
84 103.2 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 57.904 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

Tgt Ion: 65 Resp: 104876
Ion Ratio Lower Upper
65 100
67 50.1 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: VY012114.D

Acq: 09 Jan 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

S-14-01

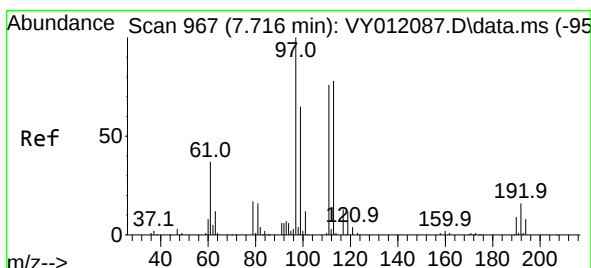
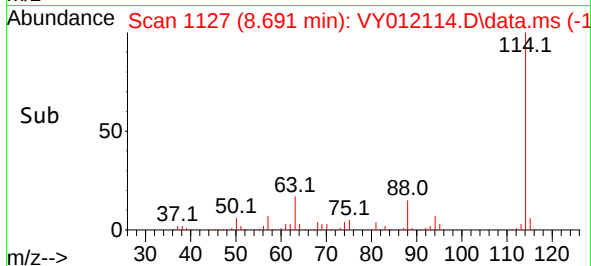
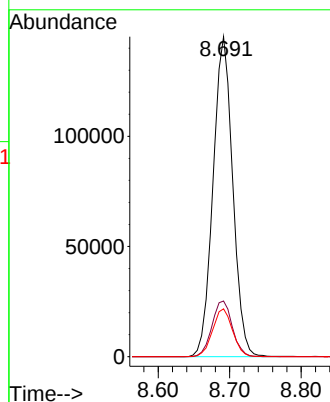
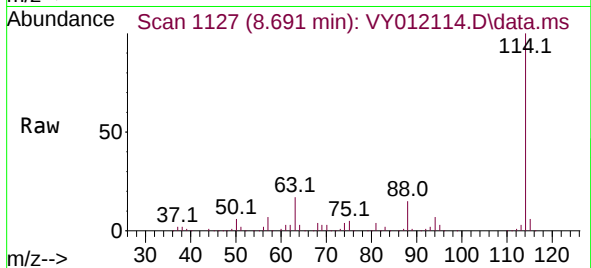
Tgt Ion:114 Resp: 277577

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.978 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

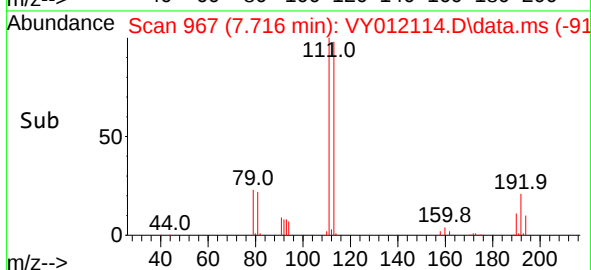
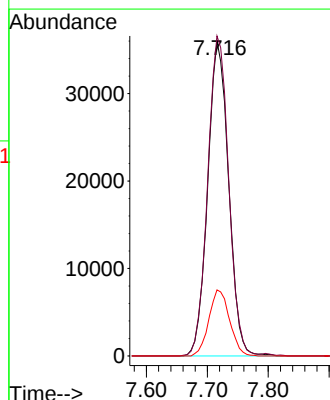
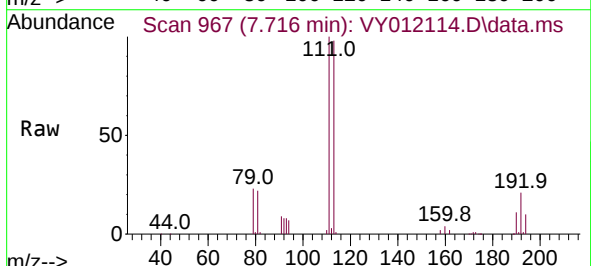
Tgt Ion:113 Resp: 85710

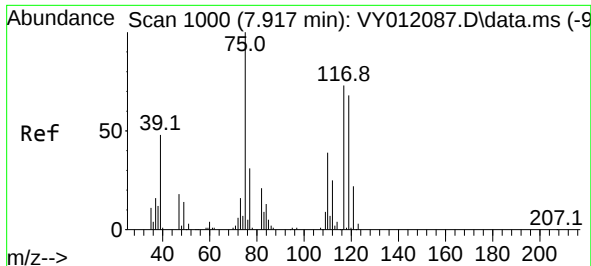
Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

192 20.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 3.983 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

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ClientSampleId :

S-14-01

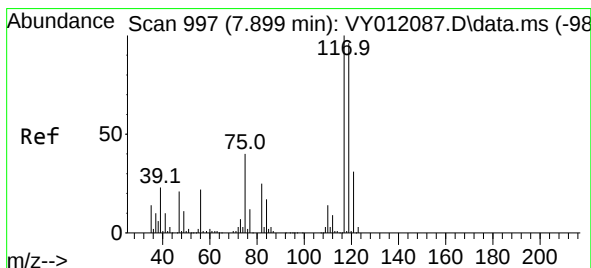
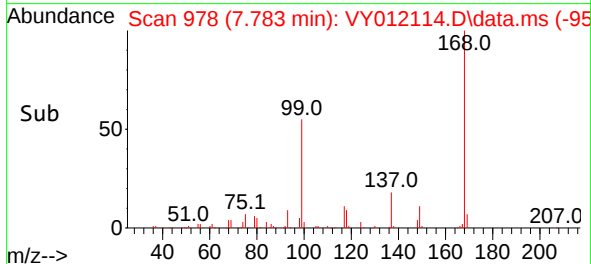
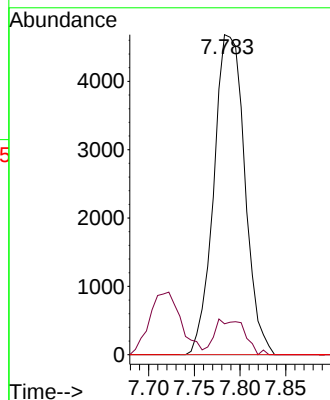
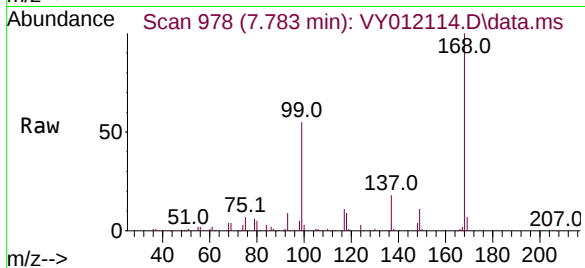
Tgt Ion: 75 Resp: 11024

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.598 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

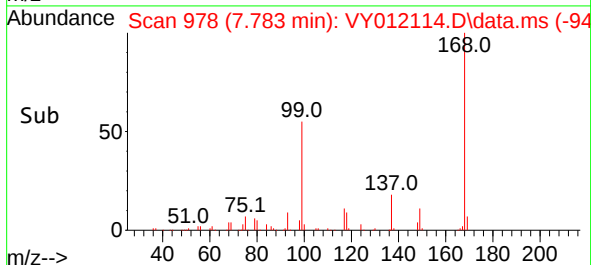
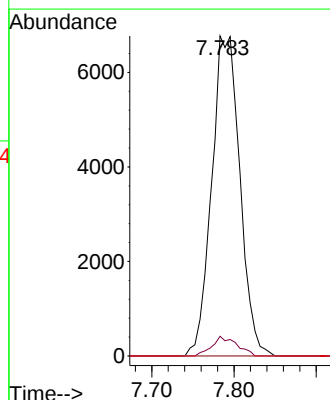
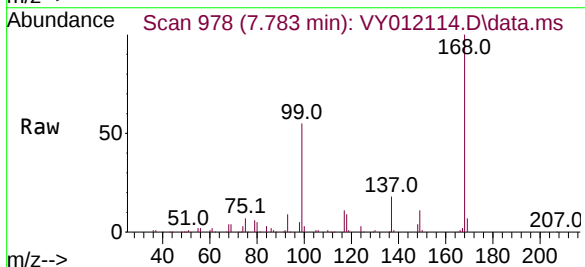
Tgt Ion: 117 Resp: 16153

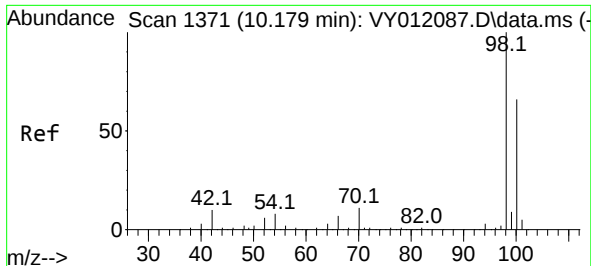
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.0 25.2 37.8#

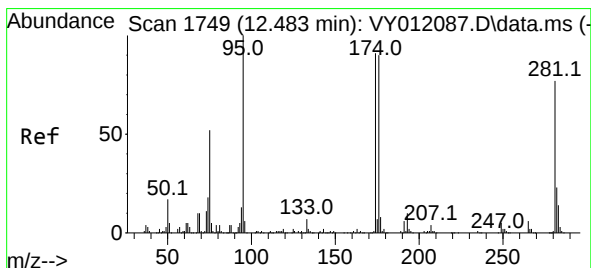
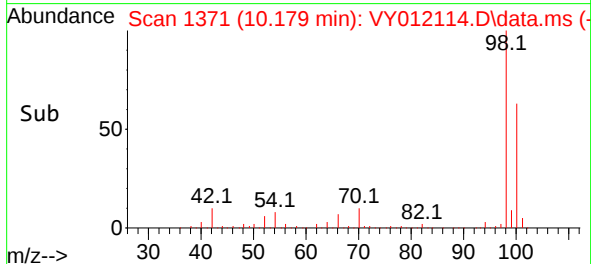
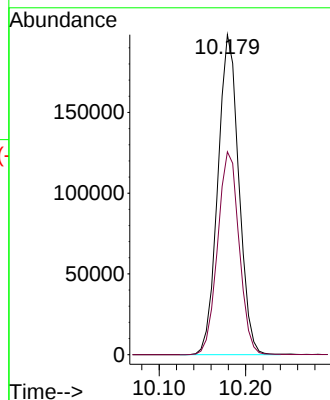
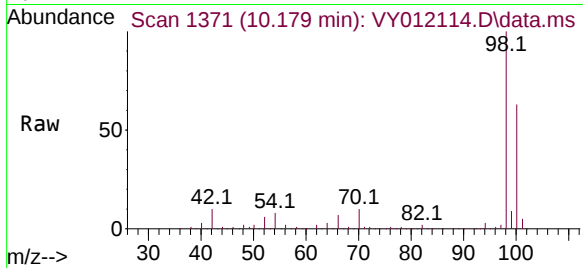




#50
Toluene-d8
Concen: 46.275 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

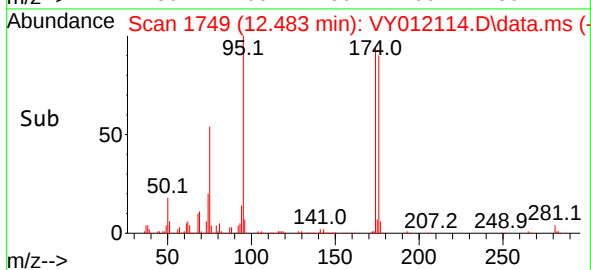
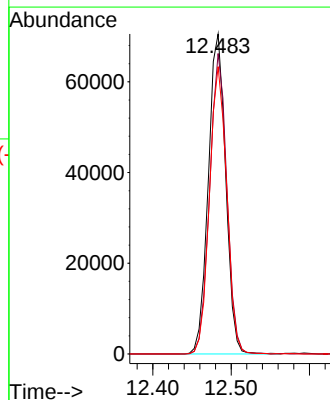
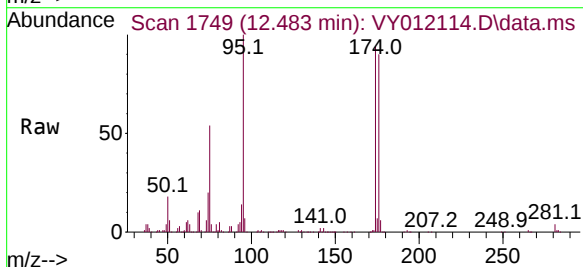
Instrument :
MSVOA_Y
ClientSampleId :
S-14-01

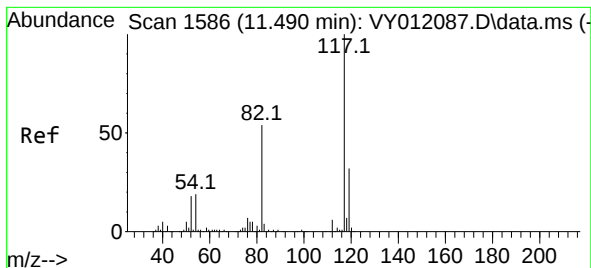
Tgt Ion: 98 Resp: 333234
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.135 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012114.D
Acq: 09 Jan 2023 16:34

Tgt Ion: 95 Resp: 108578
Ion Ratio Lower Upper
95 100
174 92.8 0.0 172.0
176 89.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

S-14-01

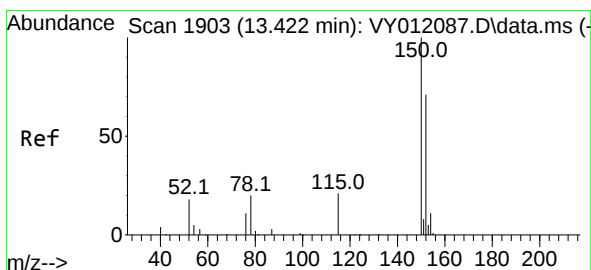
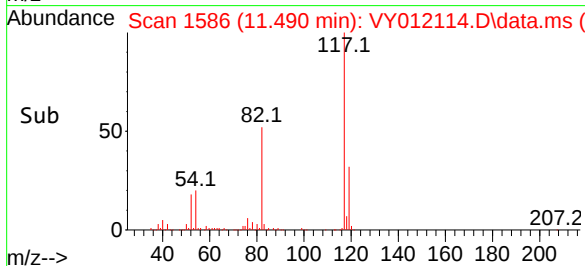
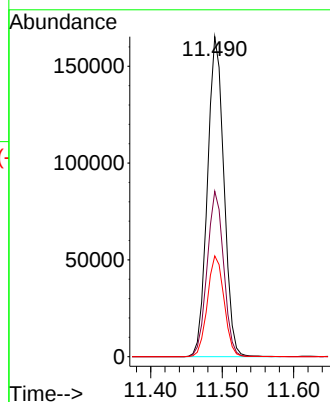
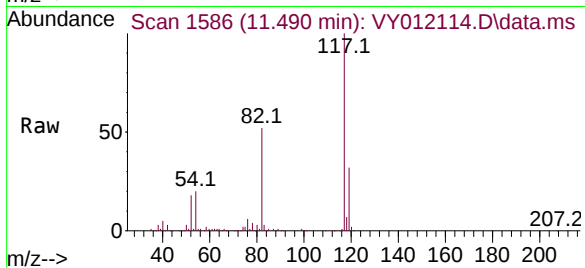
Tgt Ion:117 Resp: 264029

Ion Ratio Lower Upper

117 100

82 51.7 44.8 67.2

119 31.5 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

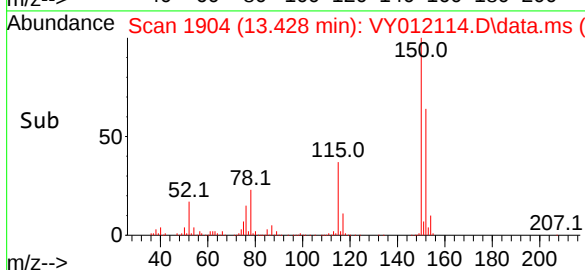
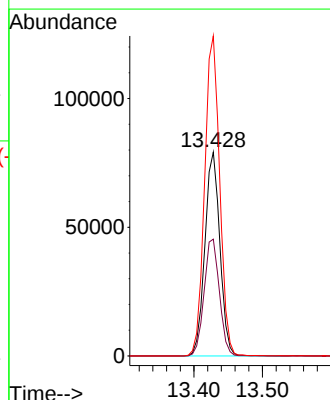
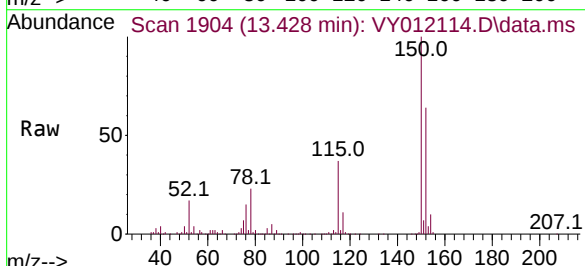
Tgt Ion:152 Resp: 120656

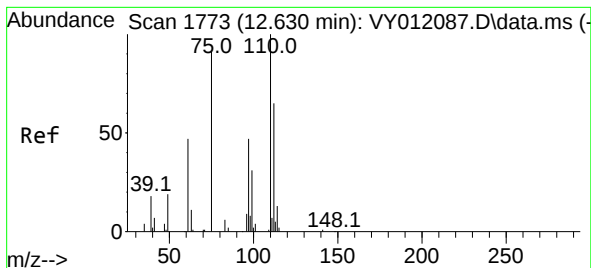
Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

150 157.7 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 42.602 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

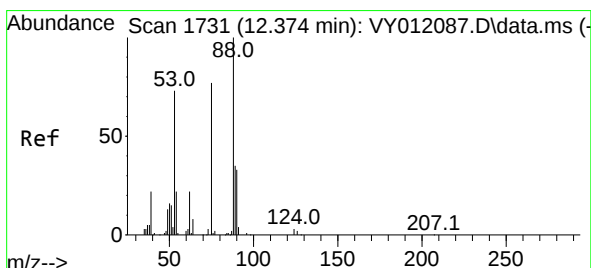
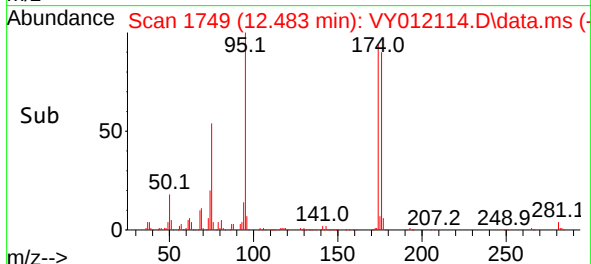
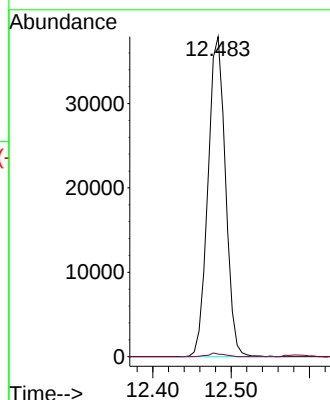
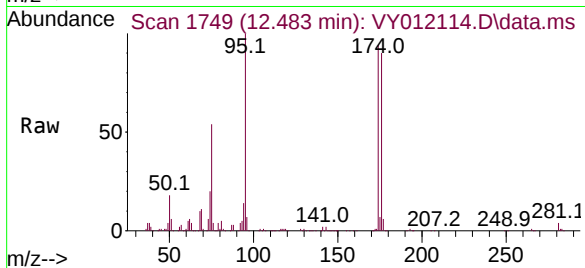
S-14-01

Tgt Ion: 75 Resp: 58691

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.613 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012114.D

Acq: 09 Jan 2023 16:34

Tgt Ion: 75 Resp: 58691

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

