

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012116.D
 Acq On : 09 Jan 2023 17:21
 Operator : KP/MD
 Sample : 01064-08
 Misc : 1.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-14-03

Quant Time: Jan 10 01:49:01 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	165331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	284177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97319	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	100481	54.087	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.180%	
35) Dibromofluoromethane	7.716	113	84694	45.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.680%	
50) Toluene-d8	10.179	98	329560	44.702	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.400%	
62) 4-Bromofluorobenzene	12.483	95	96388	37.403	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 74.800%	

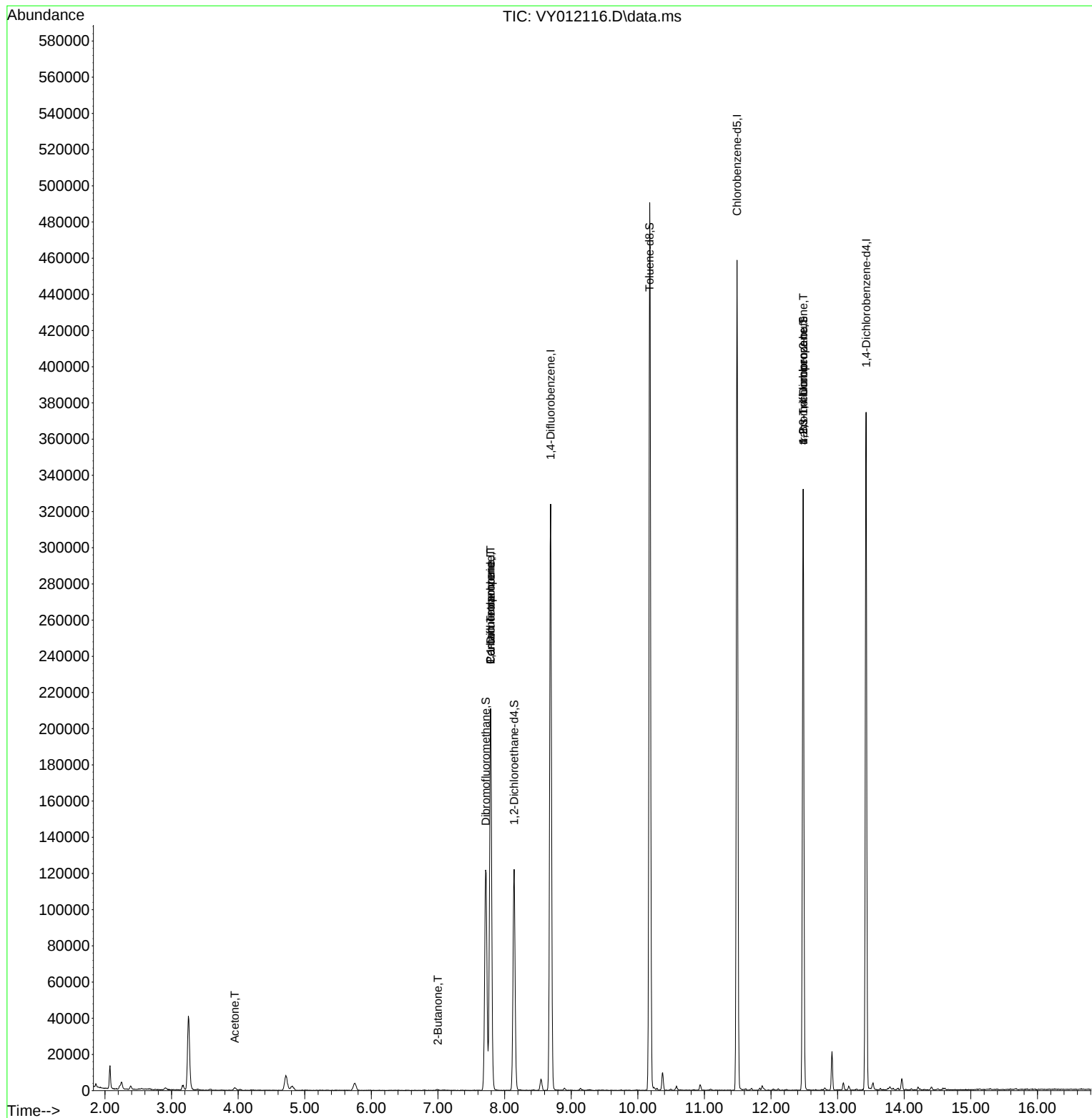
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	77	Below Cal	#	41
3) Chloromethane	2.119	50	112	Below Cal	#	41
5) Bromomethane	2.668	94	79	Below Cal	#	78
11) Tert butyl alcohol	4.954	59	21	Below Cal	#	74
16) Acetone	3.948	43	2623	6.002	ug/l	93
17) Carbon Disulfide	4.192	76	30	Below Cal	#	75
20) Methylene Chloride	4.716	84	6601	Below Cal		87
25) 2-Butanone	6.996	43	644	1.117	ug/l	97
31) Cyclohexane	7.783	56	3031	Below Cal	#	4
36) 1,1-Dichloropropene	7.789	75	11045	3.898	ug/l #	51
38) Carbon Tetrachloride	7.789	117	16124	4.483	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	50812	45.728	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50812	101.554	ug/l #	13

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

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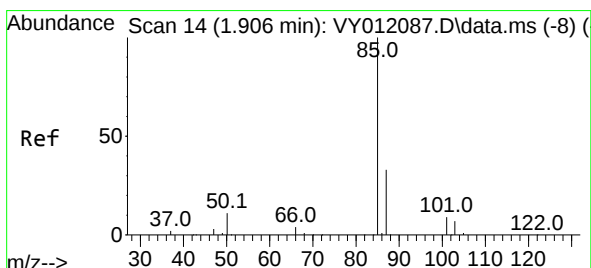
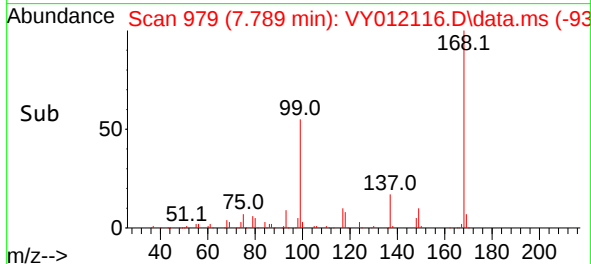
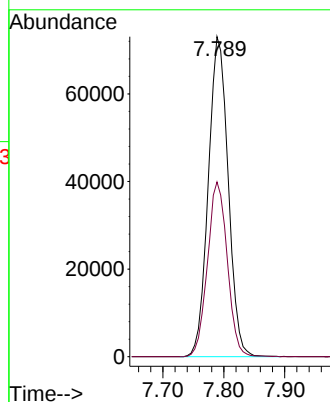
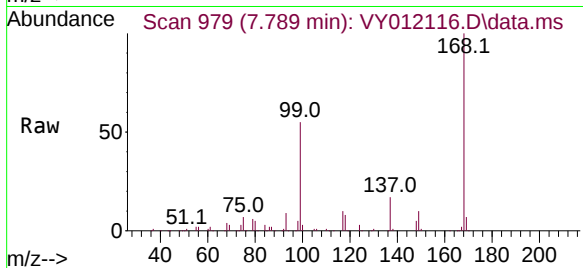




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

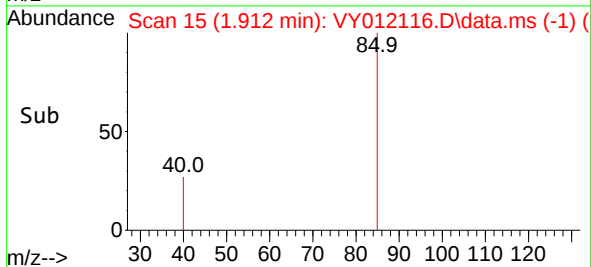
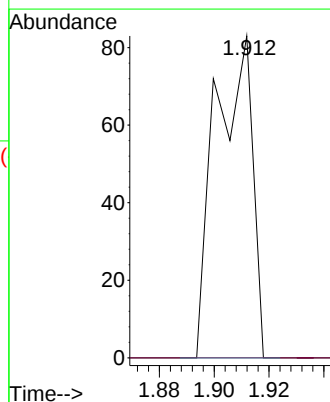
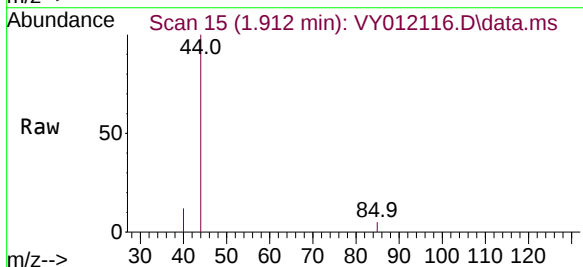
Instrument :
MSVOA_Y
ClientSampleId :
S-14-03

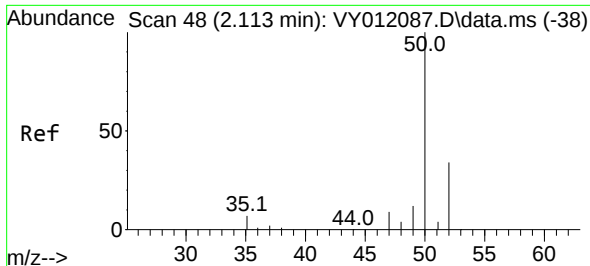
Tgt Ion:168 Resp: 165331
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

Tgt Ion: 85 Resp: 77
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: VY012116.D

Acq: 09 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

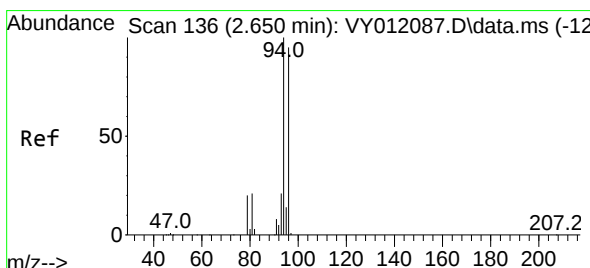
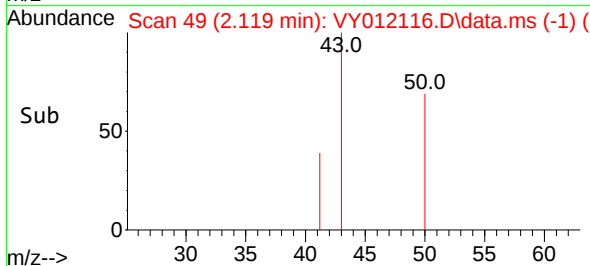
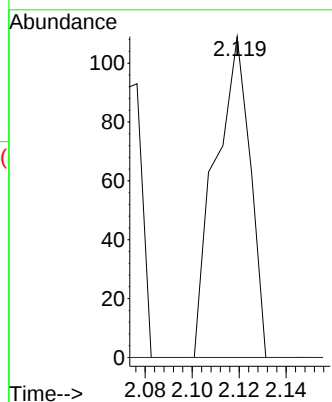
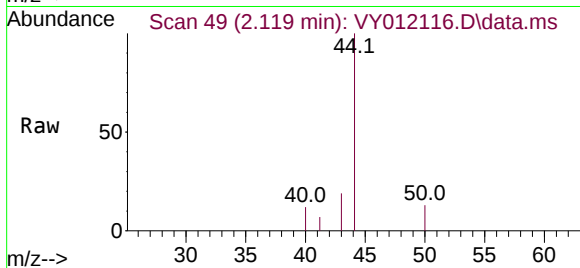
S-14-03

Tgt Ion: 50 Resp: 112

Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.018 min

Lab File: VY012116.D

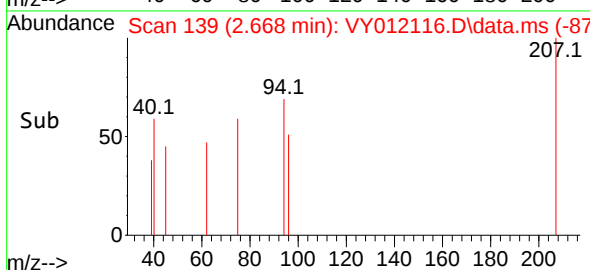
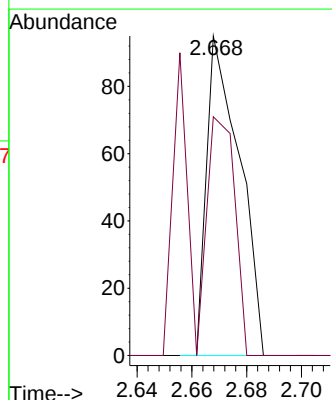
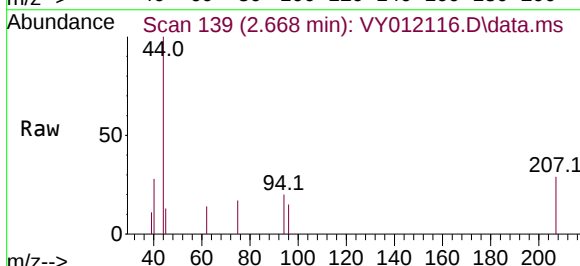
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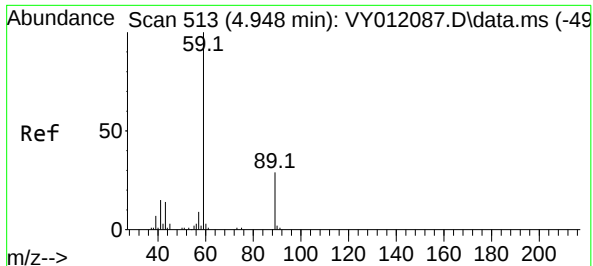
Tgt Ion: 94 Resp: 79

Ion Ratio Lower Upper

94 100

96 74.7 77.4 116.2#

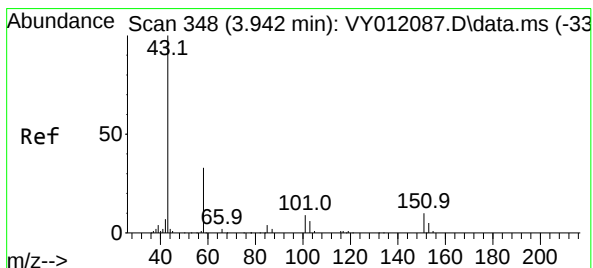
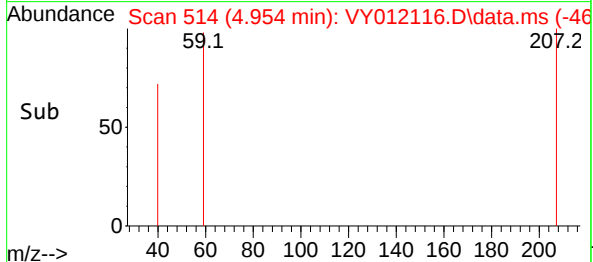
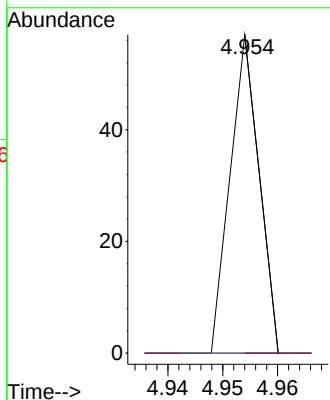
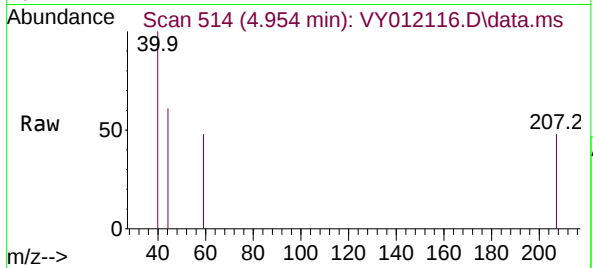




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

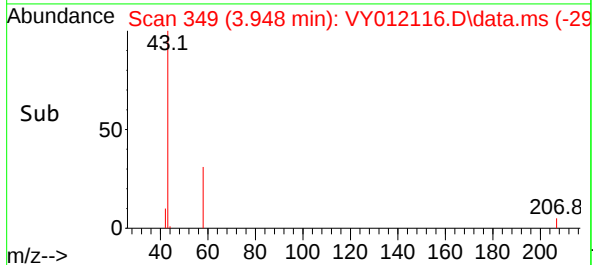
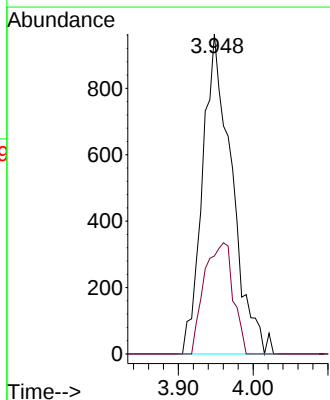
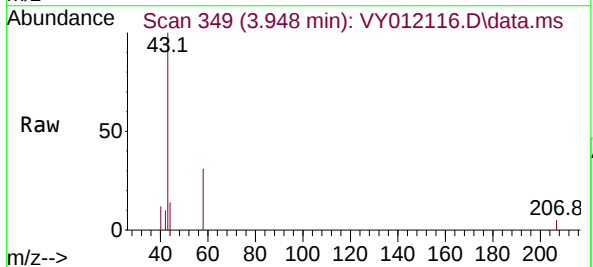
Instrument :
MSVOA_Y
ClientSampleId :
S-14-03

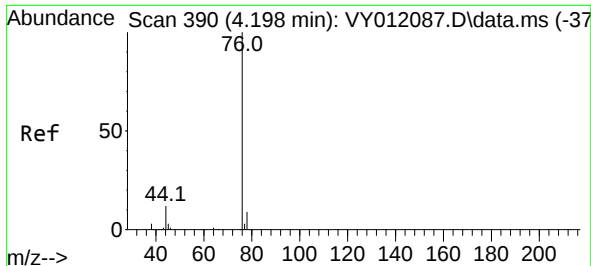
Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 6.002 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

Tgt Ion: 43 Resp: 2623
Ion Ratio Lower Upper
43 100
58 30.6 27.9 41.9

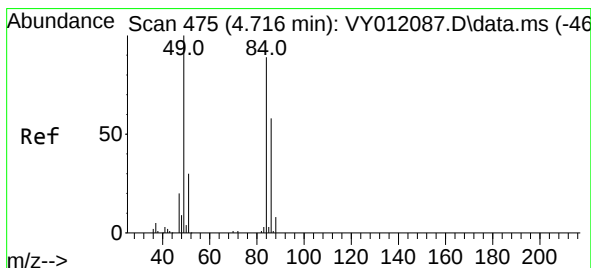
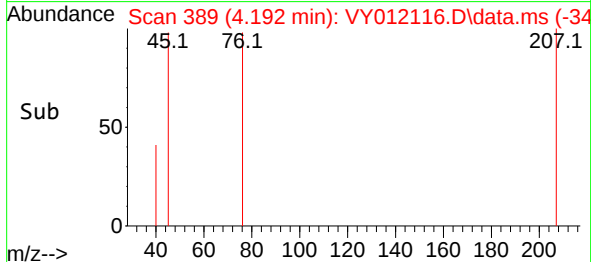
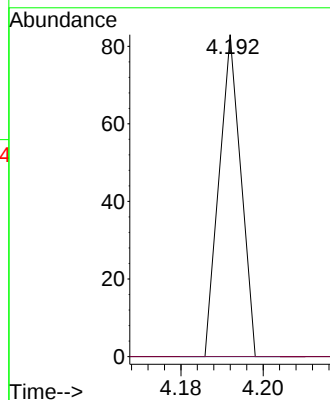
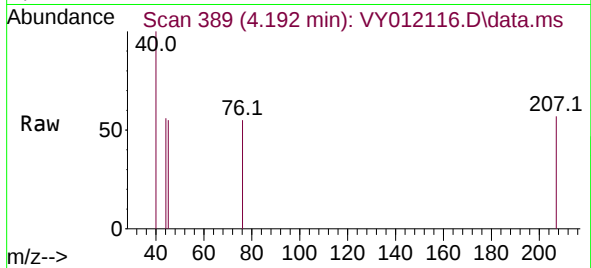




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

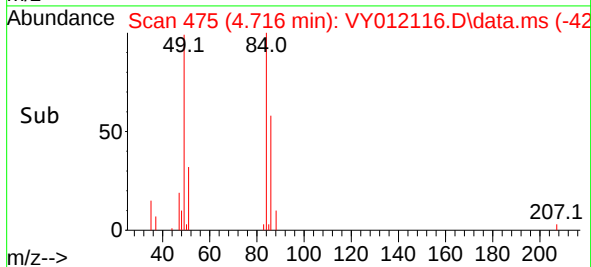
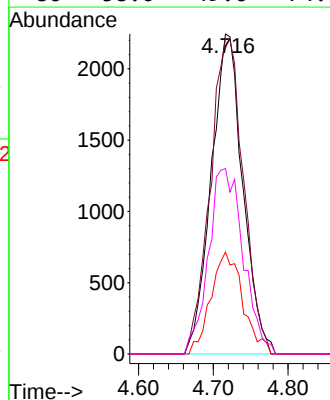
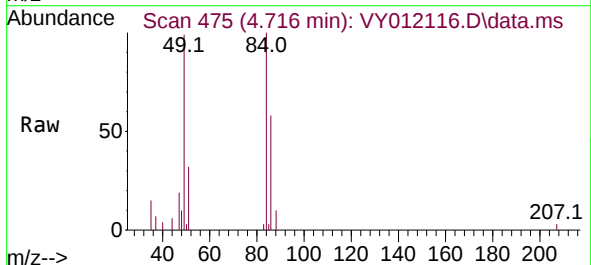
Instrument :
MSVOA_Y
ClientSampleId :
S-14-03

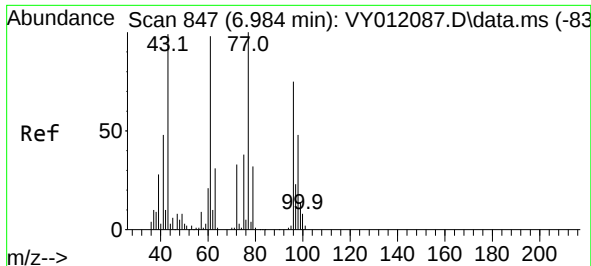
Tgt Ion: 76 Resp: 30
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

Tgt Ion: 84 Resp: 6601
Ion Ratio Lower Upper
84 100
49 98.5 95.4 143.2
51 31.8 29.9 44.9
86 58.0 49.6 74.4

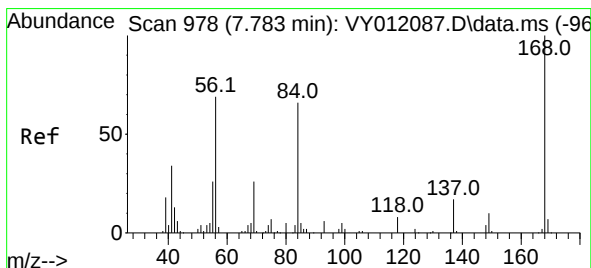
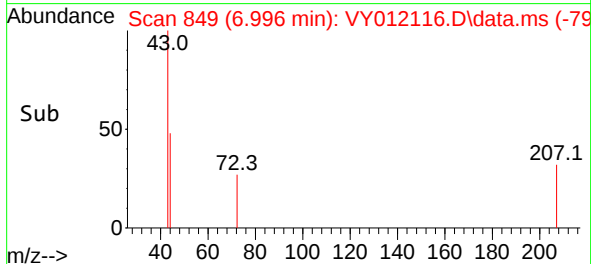
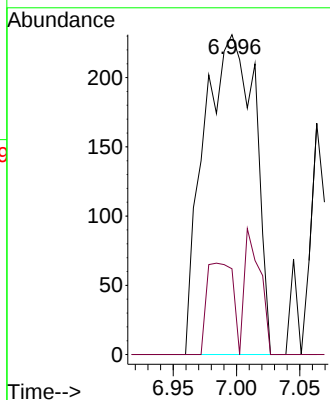
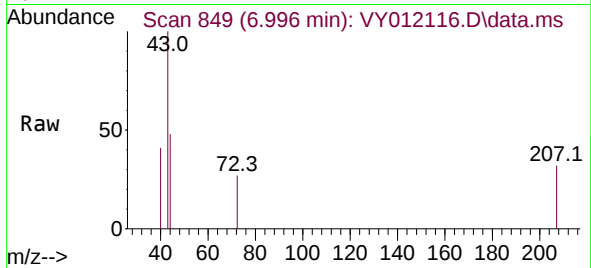




#25
2-Butanone
Concen: 1.117 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

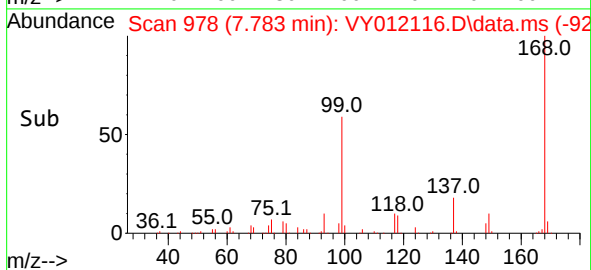
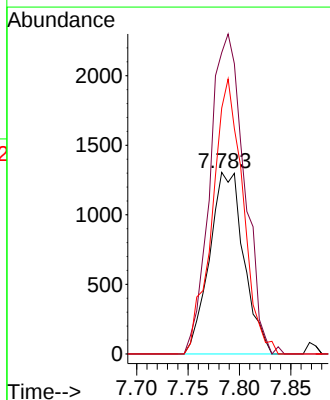
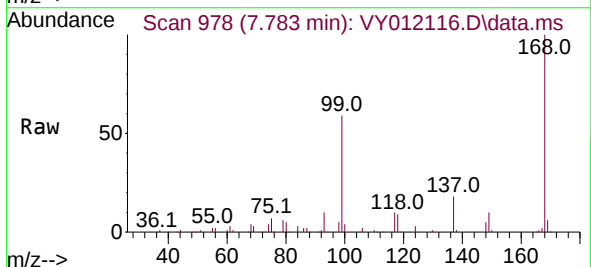
Instrument :
MSVOA_Y
ClientSampleId :
S-14-03

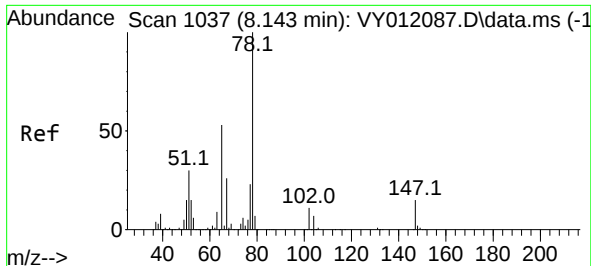
Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
72 26.8 22.6 34.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

Tgt Ion: 56 Resp: 3031
Ion Ratio Lower Upper
56 100
69 165.9 29.2 43.8#
84 135.5 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 54.087 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012116.D

Acq: 09 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

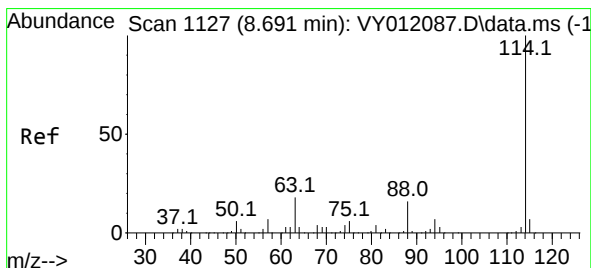
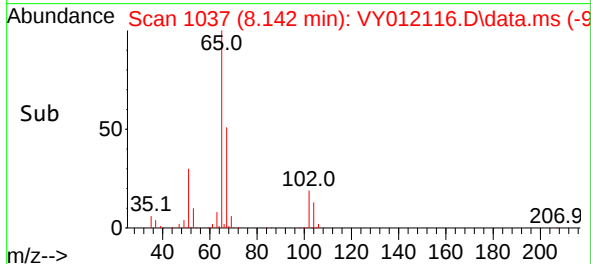
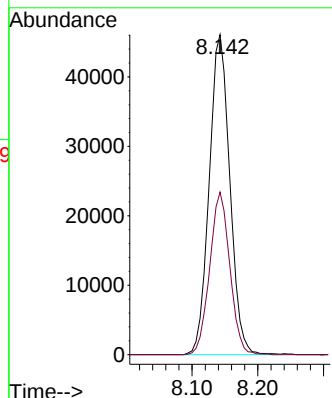
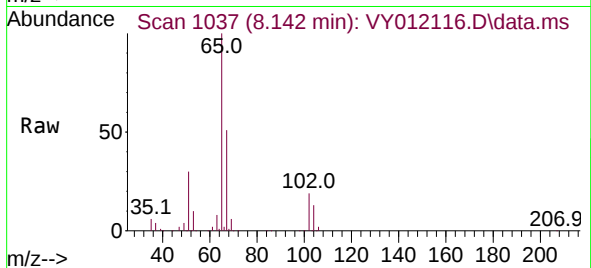
S-14-03

Tgt Ion: 65 Resp: 100481

Ion Ratio Lower Upper

65 100

67 49.6 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: VY012116.D

Acq: 09 Jan 2023 17:21

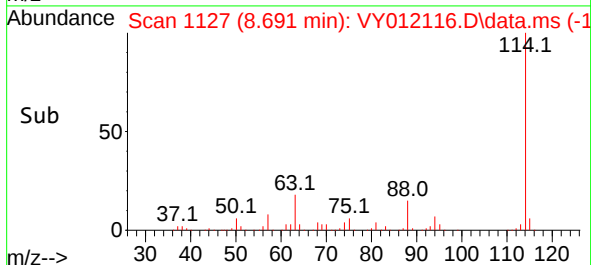
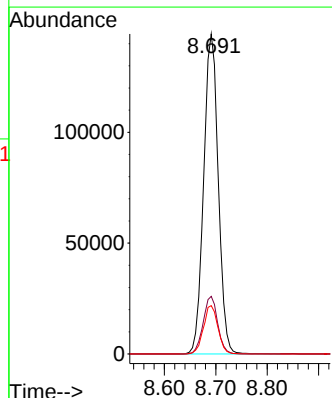
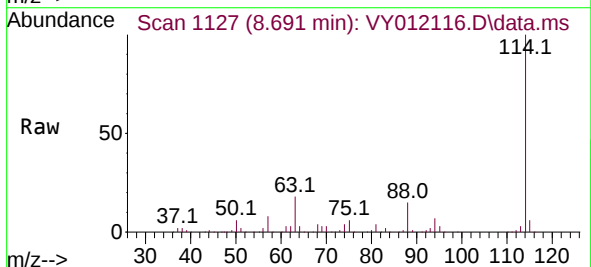
Tgt Ion: 114 Resp: 284177

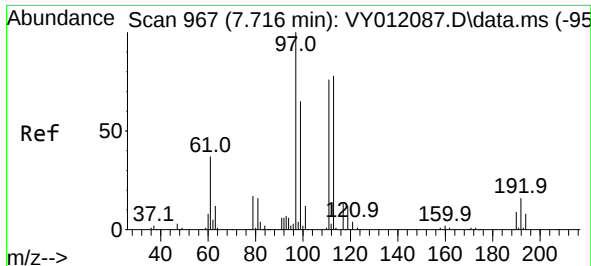
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 15.1 0.0 32.2

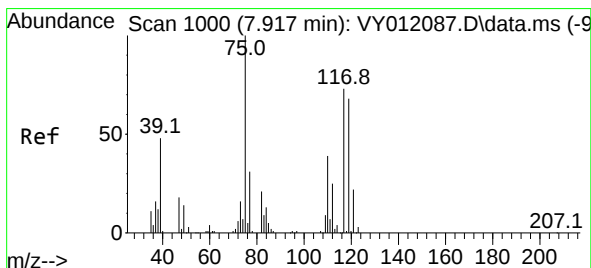
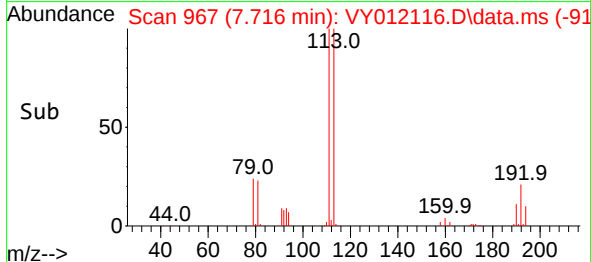
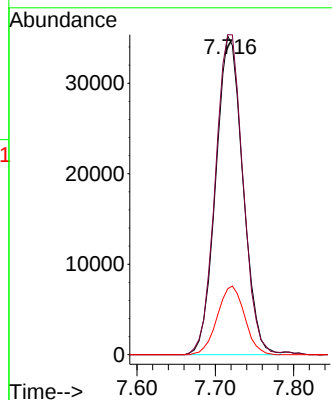
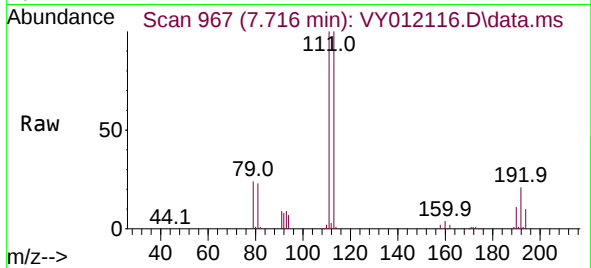




#35
Dibromofluoromethane
Concen: 45.343 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

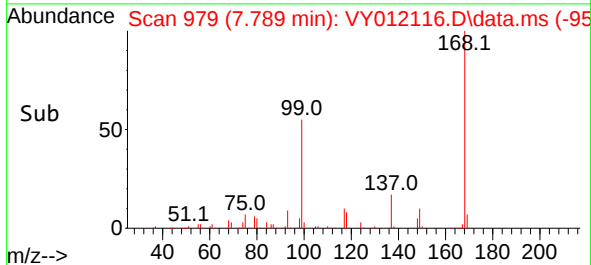
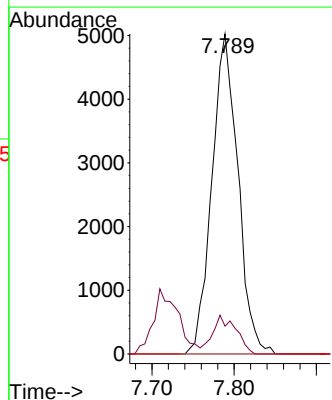
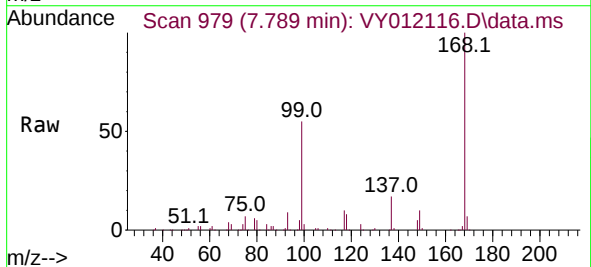
Instrument :
MSVOA_Y
ClientSampleId :
S-14-03

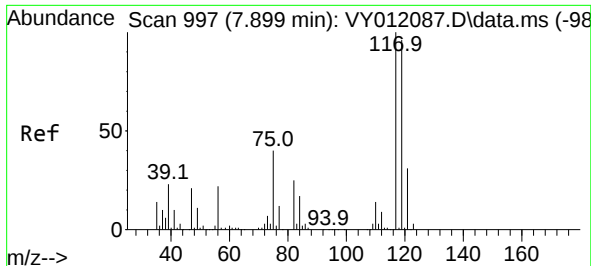
Tgt Ion:113 Resp: 84694
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.4
192 21.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 3.898 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

Tgt Ion: 75 Resp: 11045
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.1#
77 0.0 25.1 37.7#

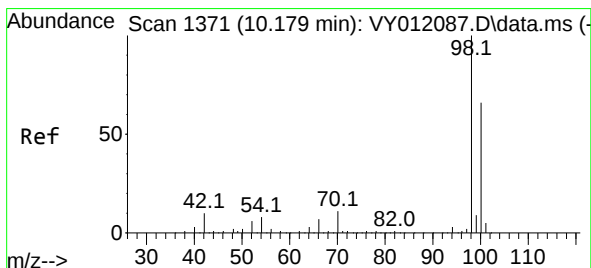
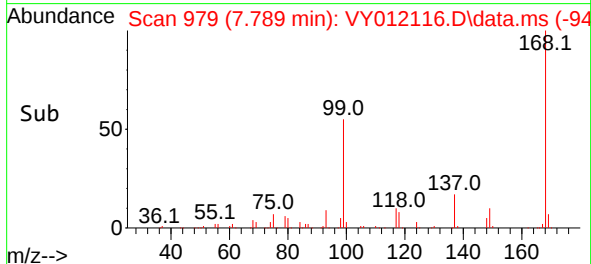
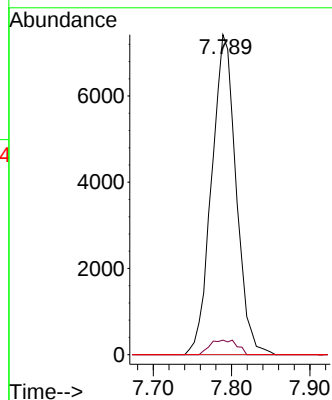
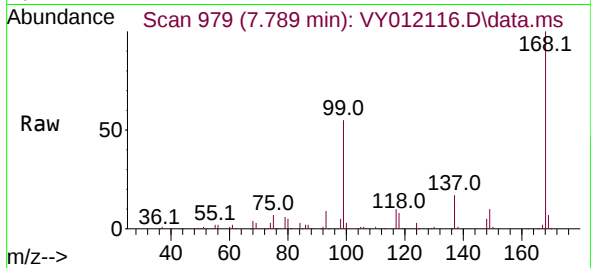




#38
Carbon Tetrachloride
Concen: 4.483 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

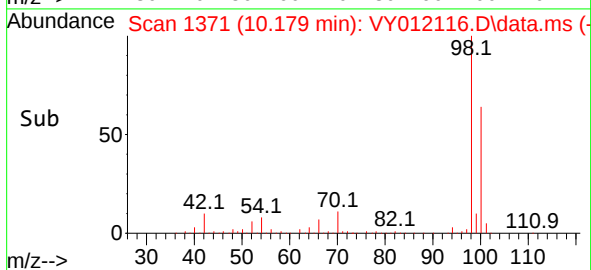
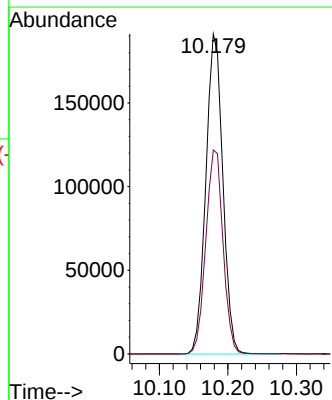
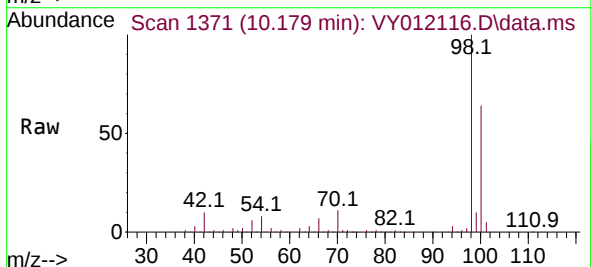
Instrument :
MSVOA_Y
ClientSampleId :
S-14-03

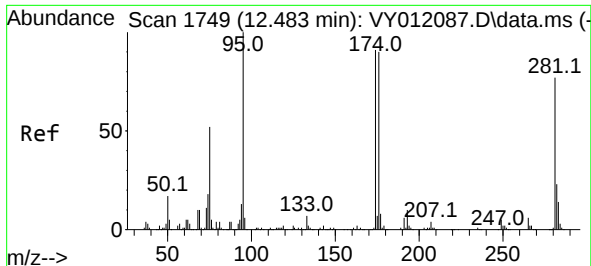
Tgt Ion:117 Resp: 16124
Ion Ratio Lower Upper
117 100
119 4.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 44.702 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

Tgt Ion: 98 Resp: 329560
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

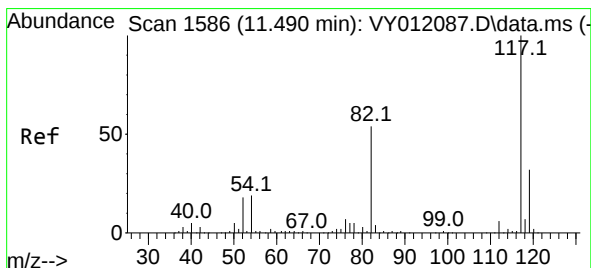
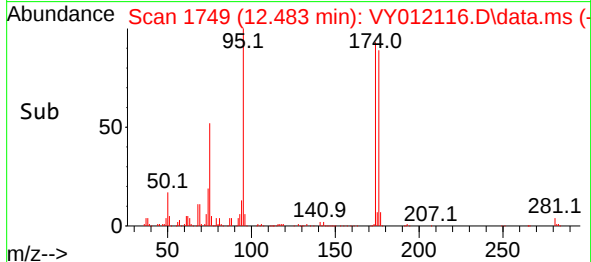
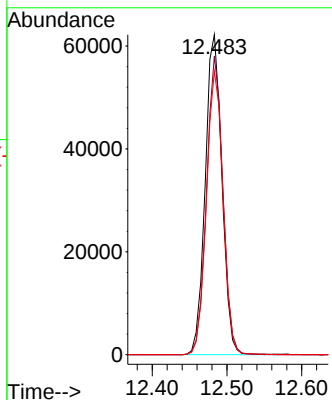
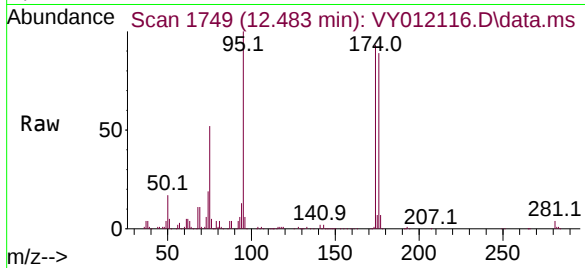




#62
4-Bromofluorobenzene
Concen: 37.403 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

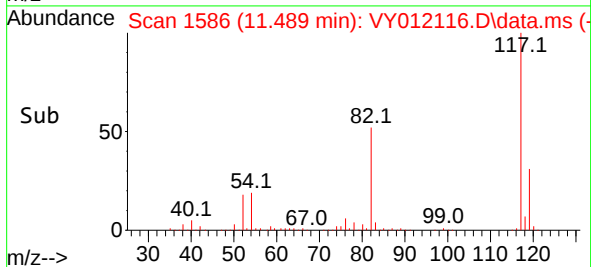
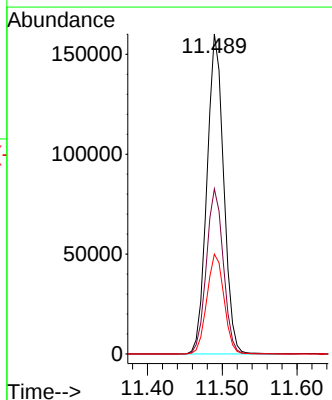
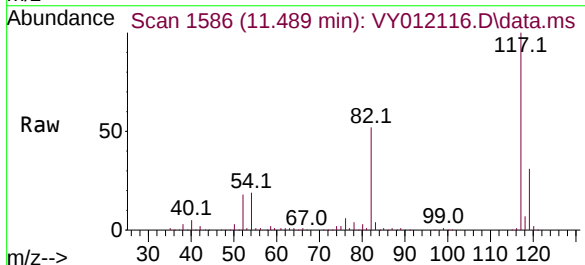
Instrument :
MSVOA_Y
ClientSampleId :
S-14-03

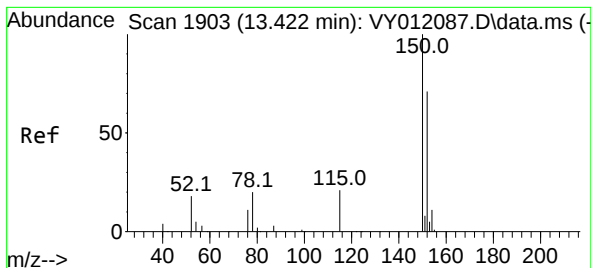
Tgt Ion: 95 Resp: 96388
Ion Ratio Lower Upper
95 100
174 91.7 0.0 172.0
176 88.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012116.D
Acq: 09 Jan 2023 17:21

Tgt Ion: 117 Resp: 249494
Ion Ratio Lower Upper
117 100
82 51.6 44.8 67.2
119 31.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012116.D

Acq: 09 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

S-14-03

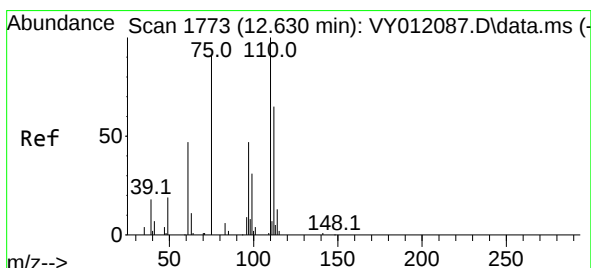
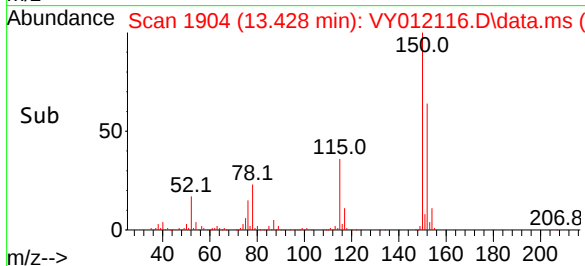
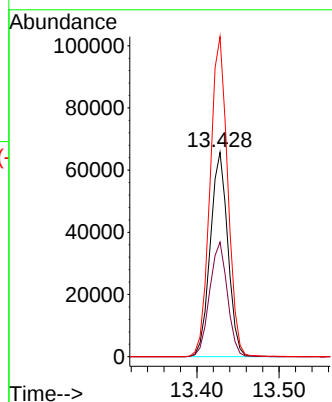
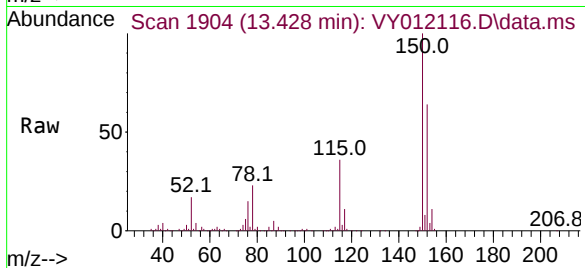
Tgt Ion:152 Resp: 97319

Ion Ratio Lower Upper

152 100

115 56.8 29.1 87.3

150 157.5 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 45.728 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012116.D

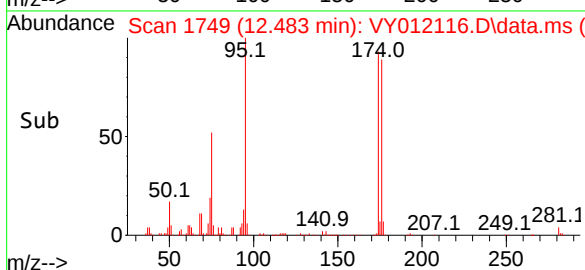
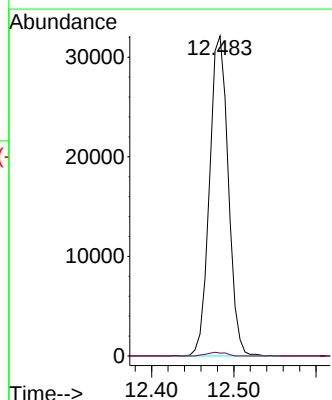
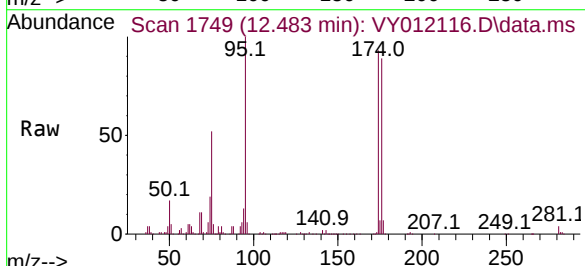
Acq: 09 Jan 2023 17:21

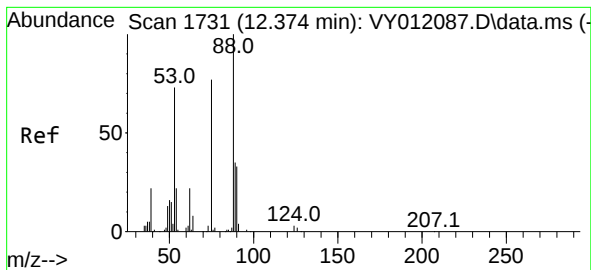
Tgt Ion: 75 Resp: 50812

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.554 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012116.D
 Acq: 09 Jan 2023 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-14-03

Tgt Ion: 75 Resp: 50812
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

