

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012323\
 Data File : VY012315.D
 Acq On : 23 Jan 2023 15:48
 Operator : KP/MD
 Sample : 01233-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 16:16:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

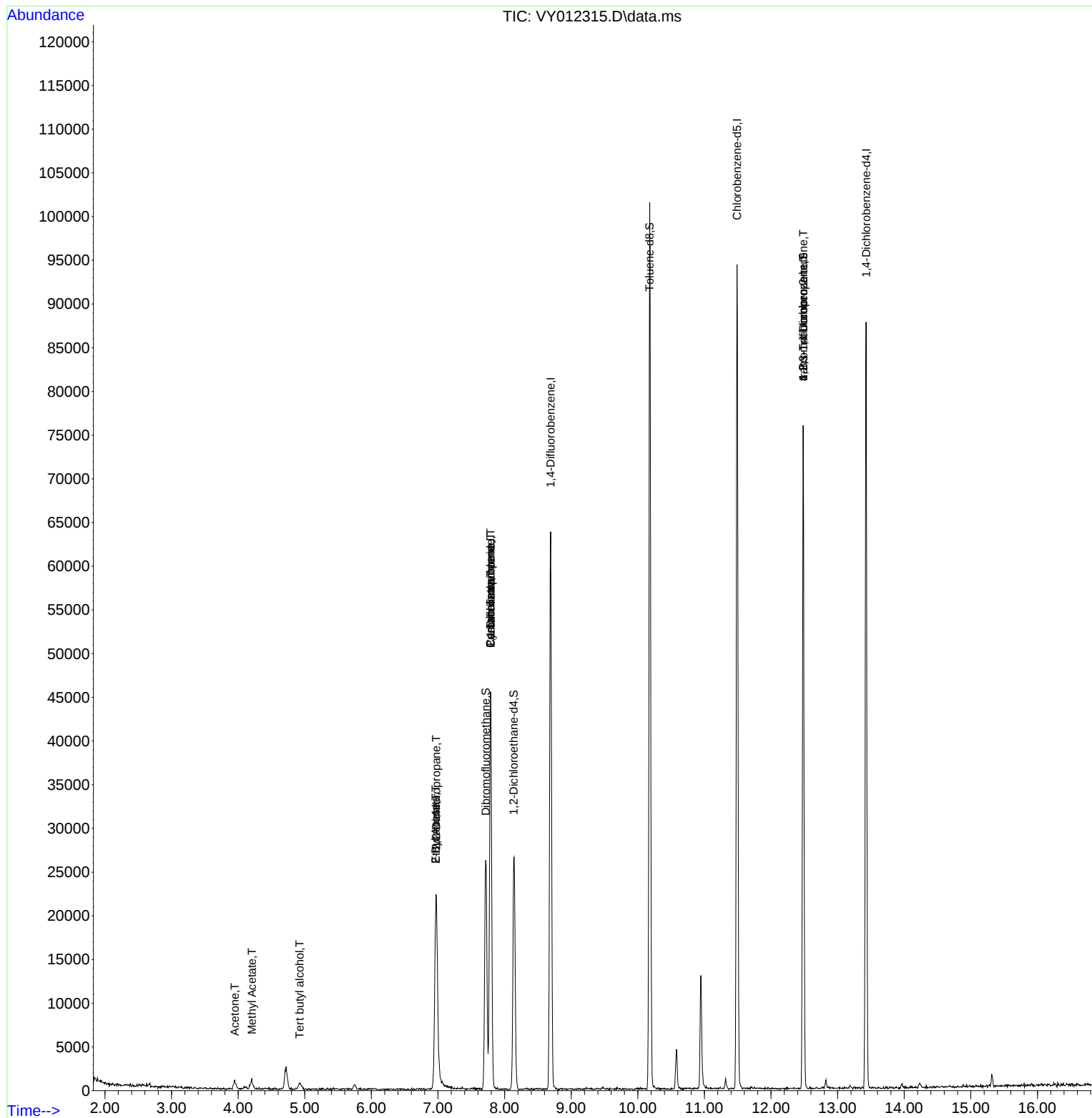
Internal Standards						
1) Pentafluorobenzene	7.789	168	35937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	57297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	55952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	23941	82.964	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 165.920%#	
35) Dibromofluoromethane	7.716	113	18245	60.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.280%	
50) Toluene-d8	10.179	98	68774	66.888	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.780%	
62) 4-Bromofluorobenzene	12.483	95	20851	48.753	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	827	11.657	ug/l #	74
16) Acetone	3.948	43	1729	17.278	ug/l	89
18) Methyl Acetate	4.204	43	345	1.541	ug/l #	50
20) Methylene Chloride	4.722	84	2097	Below Cal	#	75
25) 2-Butanone	6.966	43	985	8.916	ug/l #	46
26) 2,2-Dichloropropane	6.972	77	2054	3.353	ug/l #	53
31) Cyclohexane	7.789	56	642	1.225	ug/l #	25
36) 1,1-Dichloropropene	7.789	75	2683	5.204	ug/l #	45
37) Ethyl Acetate	6.966	43	985	4.333	ug/l #	1
38) Carbon Tetrachloride	7.789	117	3700	5.556	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	10934	48.831	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10934	100.613	ug/l #	13

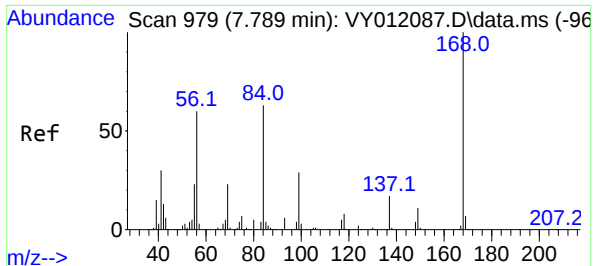
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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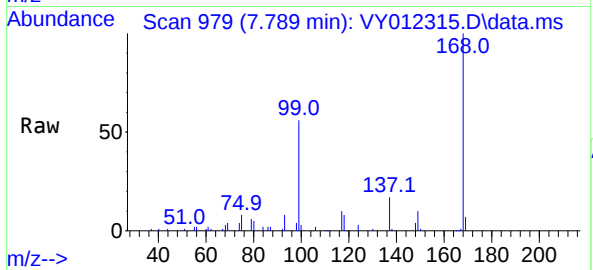
Quant Time: Jan 23 16:16:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 04:31:47 2023
Response via : Initial Calibration



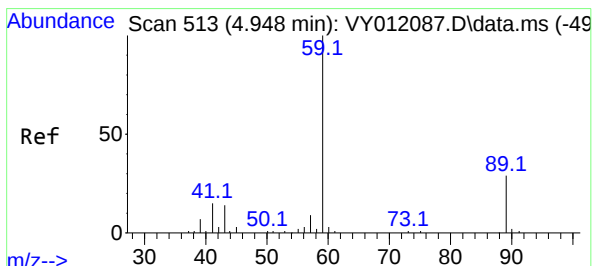
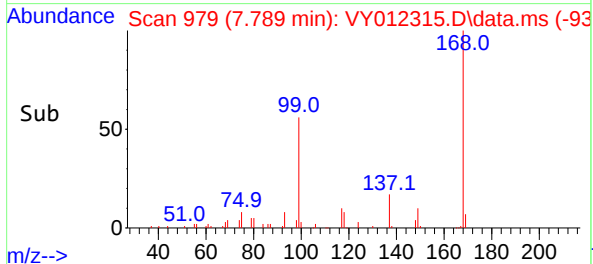
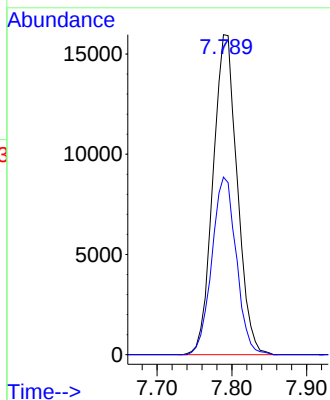


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :

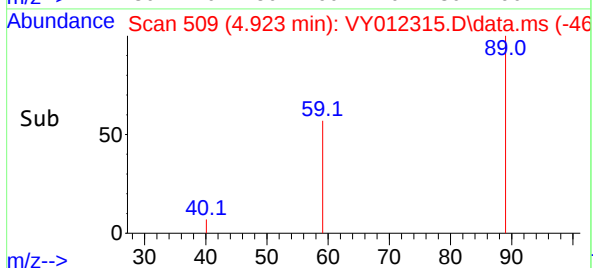
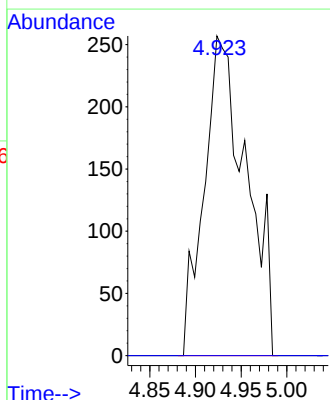
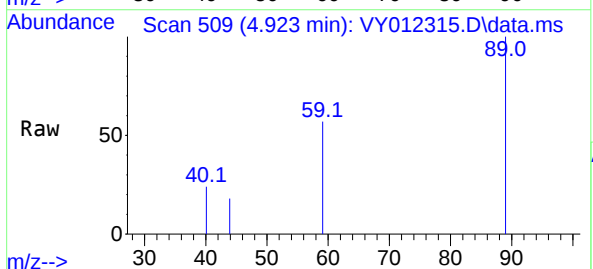


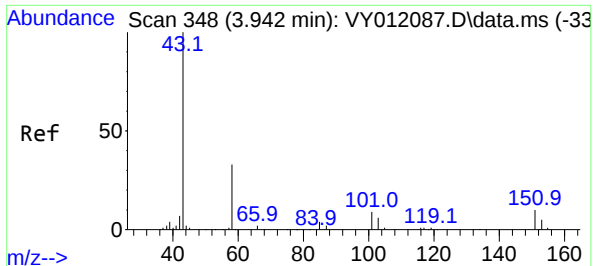
Tgt Ion:168 Resp: 35937
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0



#11
Tert butyl alcohol
Concen: 11.657 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Tgt Ion: 59 Resp: 827
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

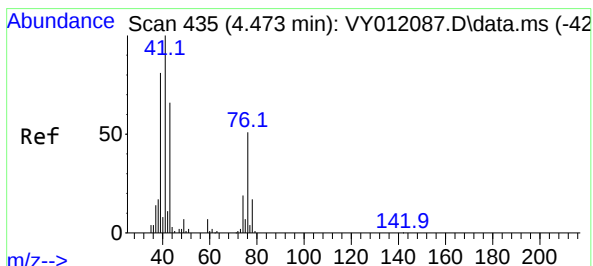
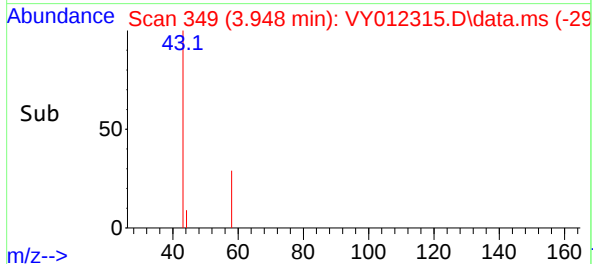
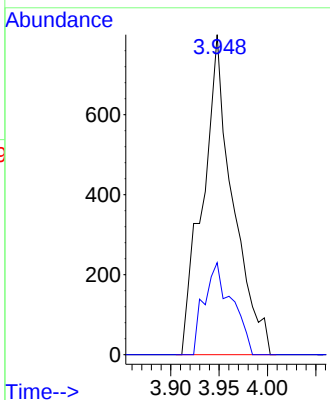
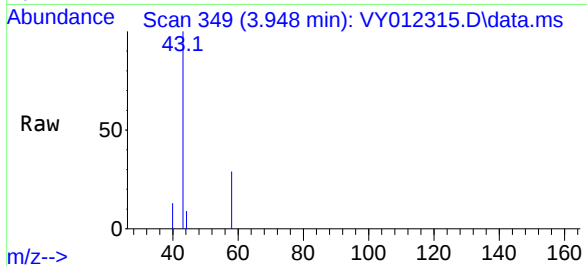




#16
Acetone
Concen: 17.278 ug/l
RT: 3.948 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

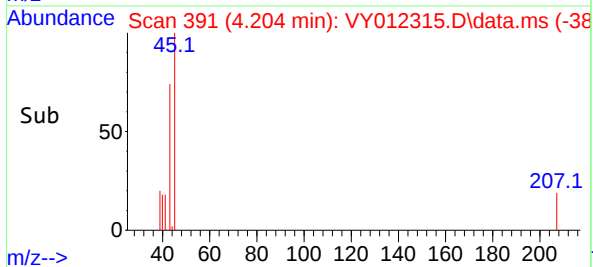
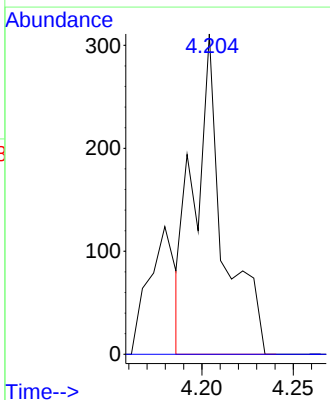
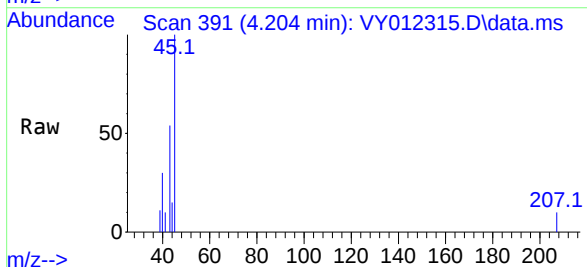
Instrument :
MSVOA_Y
ClientSampleId :

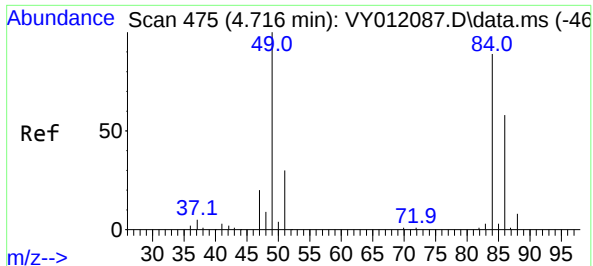
Tgt Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
58 28.7 27.9 41.9



#18
Methyl Acetate
Concen: 1.541 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.269 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY012315.D

Acq: 23 Jan 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 2097

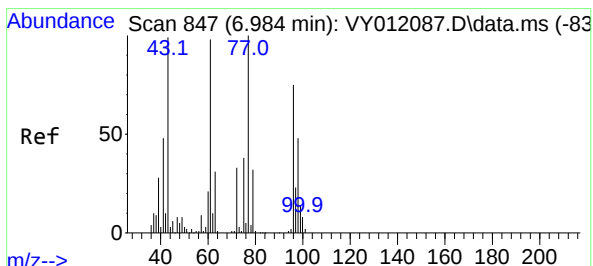
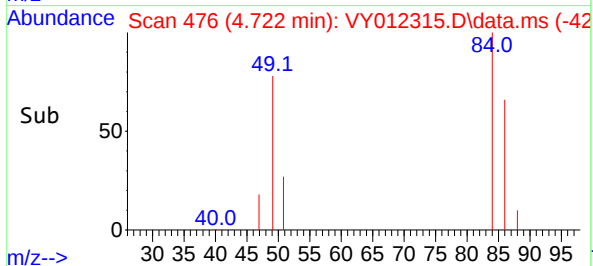
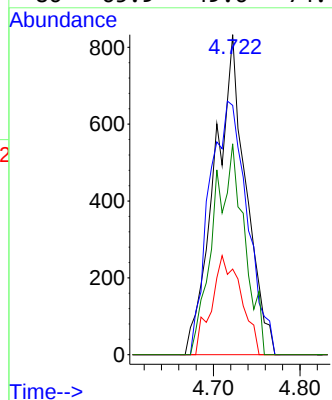
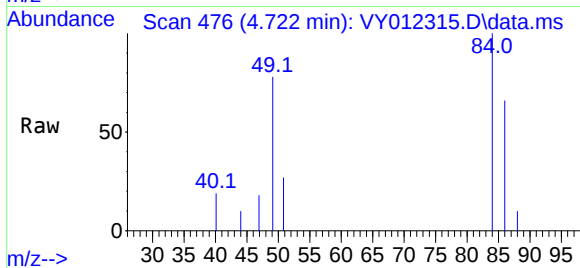
Ion Ratio Lower Upper

84 100

49 77.9 95.4 143.2#

51 26.8 29.9 44.9#

86 65.9 49.6 74.4



#25

2-Butanone

Concen: 8.916 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY012315.D

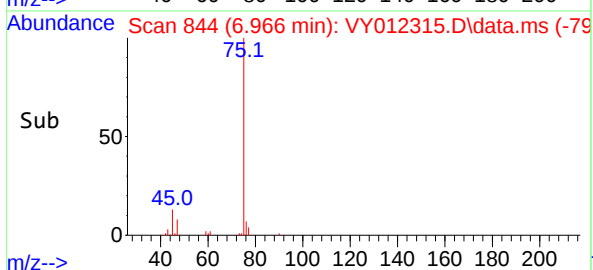
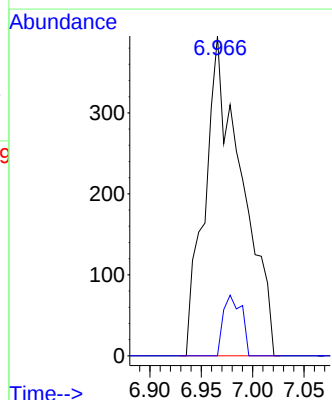
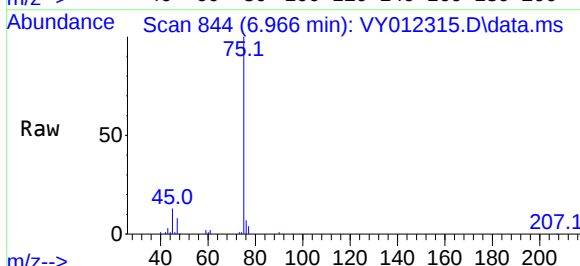
Acq: 23 Jan 2023 15:48

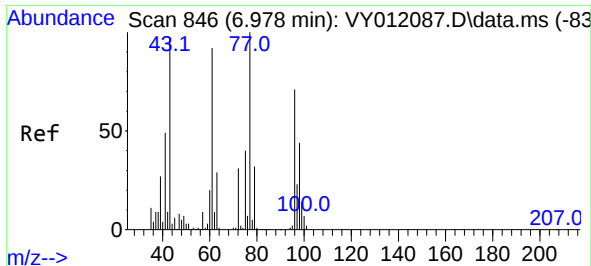
Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#





#26

2,2-Dichloropropane

Concen: 3.353 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012315.D

Acq: 23 Jan 2023 15:48

Instrument :

MSVOA_Y

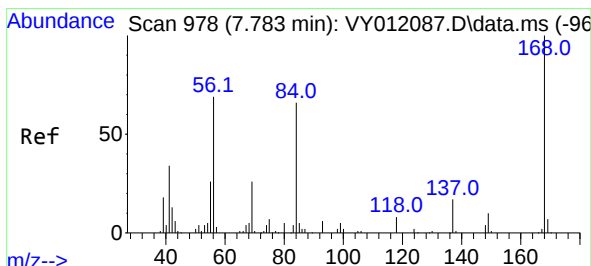
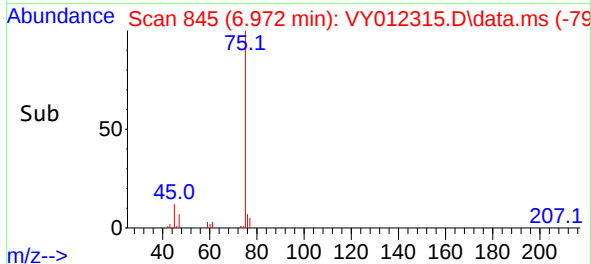
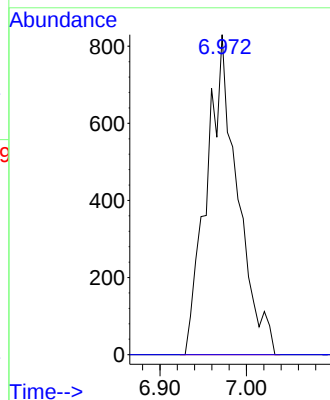
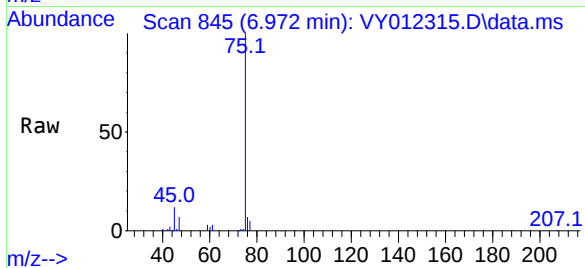
ClientSampleId :

Tgt Ion: 77 Resp: 2054

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012315.D

Acq: 23 Jan 2023 15:48

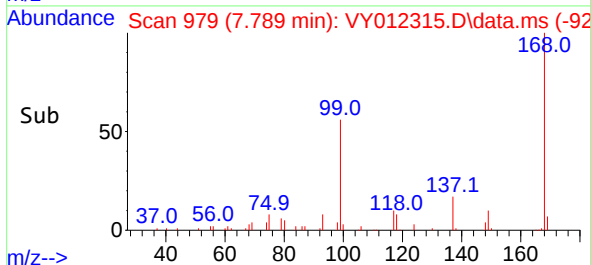
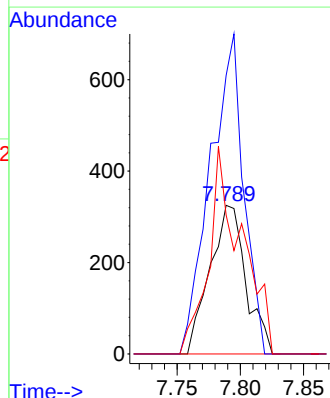
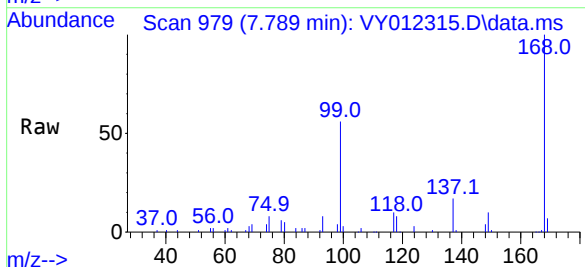
Tgt Ion: 56 Resp: 642

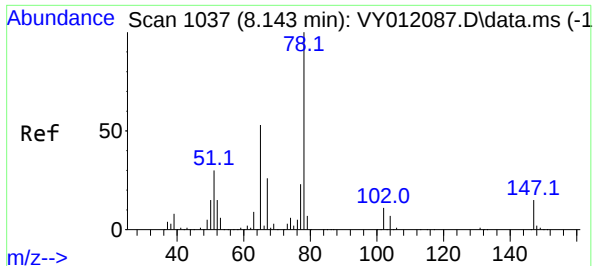
Ion Ratio Lower Upper

56 100

69 187.4 29.2 43.8#

84 93.5 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 82.964 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012315.D

Acq: 23 Jan 2023 15:48

Instrument :

MSVOA_Y

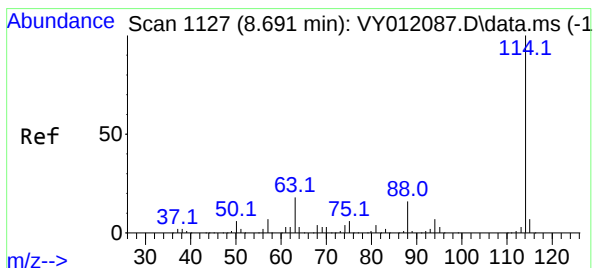
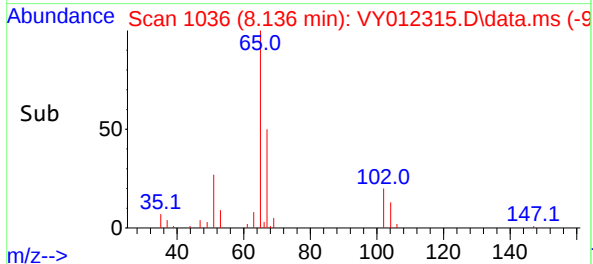
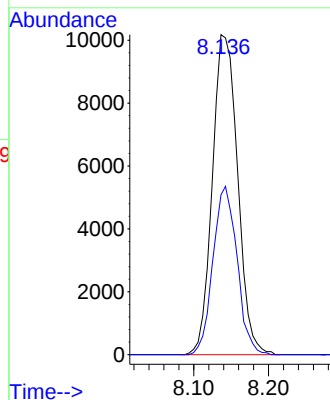
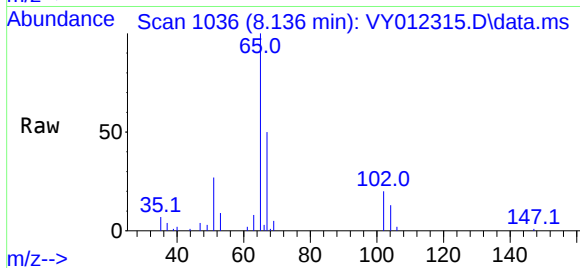
ClientSampleId :

Tgt Ion: 65 Resp: 23941

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: VY012315.D

Acq: 23 Jan 2023 15:48

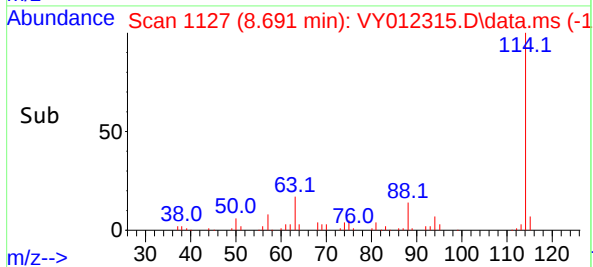
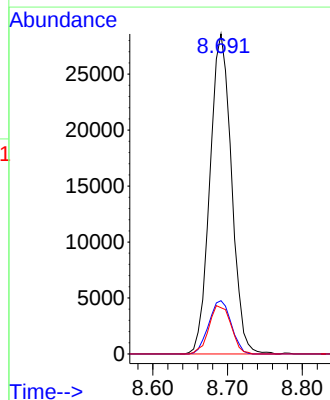
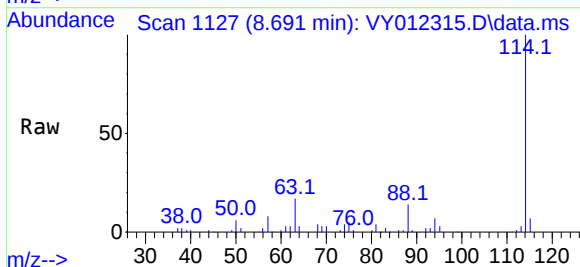
Tgt Ion: 114 Resp: 57297

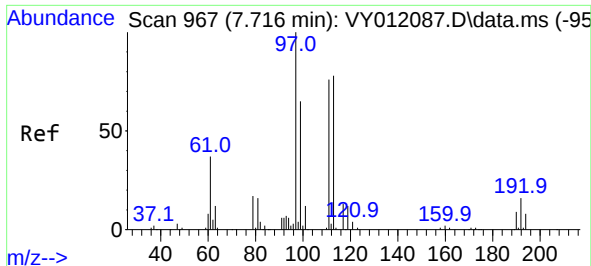
Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.6

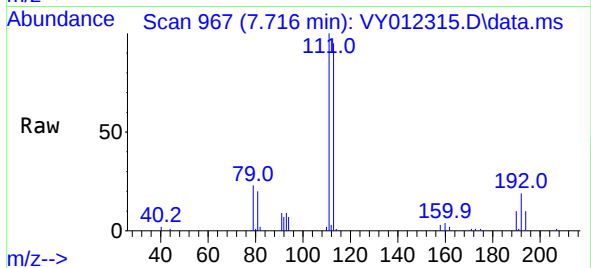
88 14.5 0.0 32.2



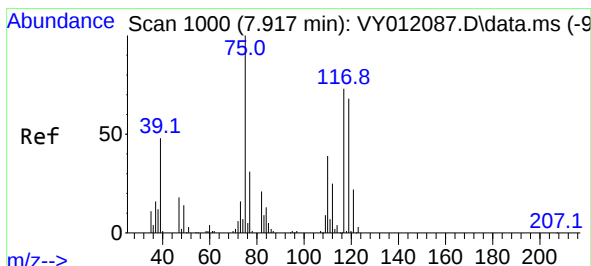
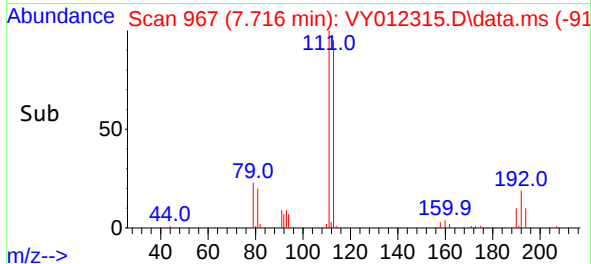
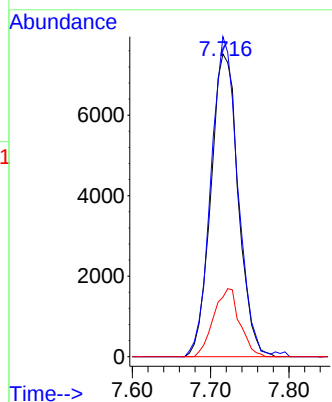


#35
Dibromofluoromethane
Concen: 60.138 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :

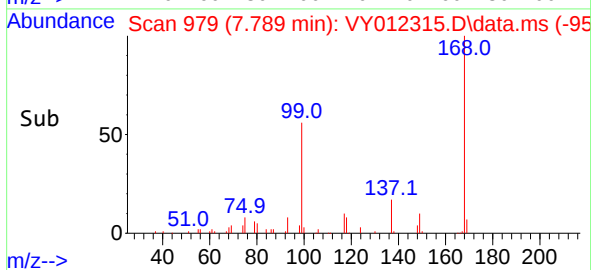
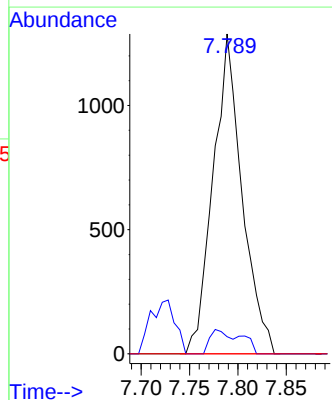
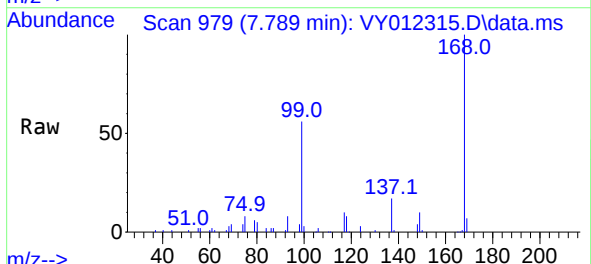


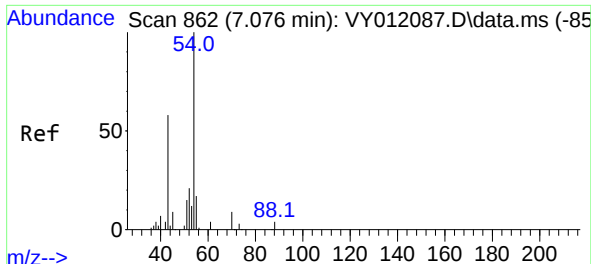
Tgt Ion:113 Resp: 18245
Ion Ratio Lower Upper
113 100
111 103.5 83.0 124.4
192 21.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.204 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

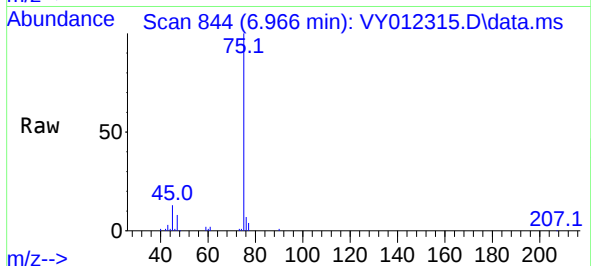
Tgt Ion: 75 Resp: 2683
Ion Ratio Lower Upper
75 100
110 5.2 18.1 54.1#
77 0.0 25.1 37.7#



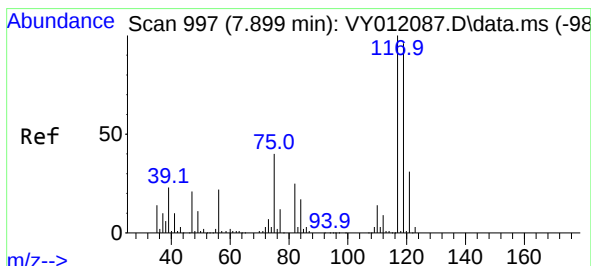
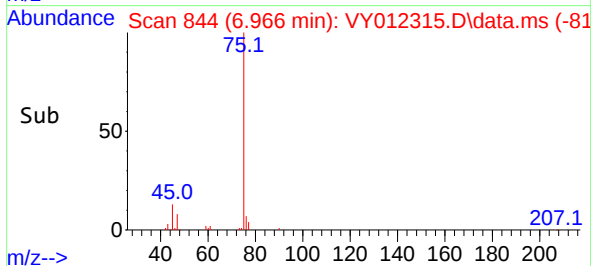
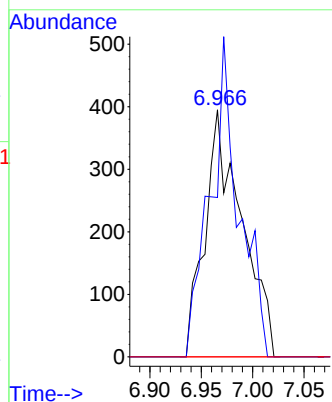


#37
Ethyl Acetate
Concen: 4.333 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.110 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :

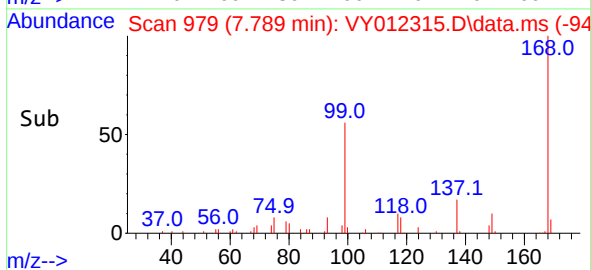
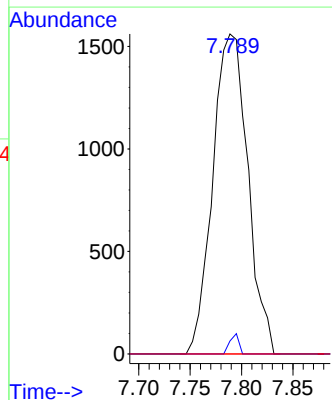
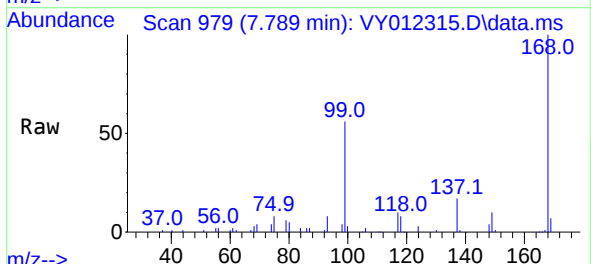


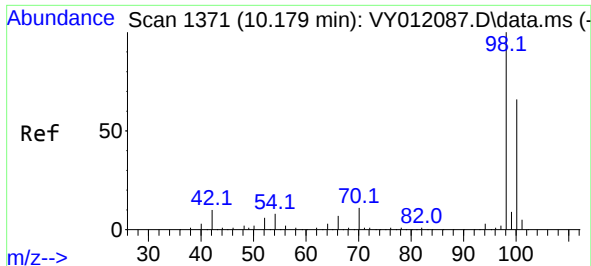
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
61 101.2 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Tgt Ion: 117 Resp: 3700
Ion Ratio Lower Upper
117 100
119 4.0 73.8 110.8#
121 0.0 25.2 37.8#

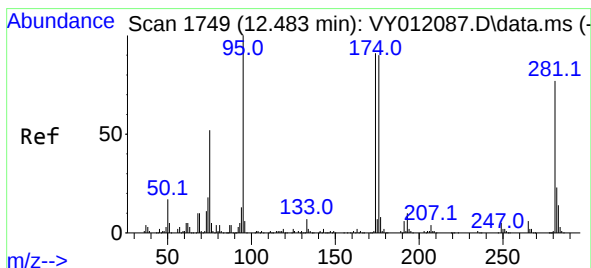
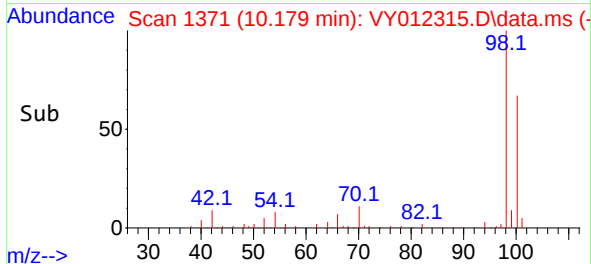
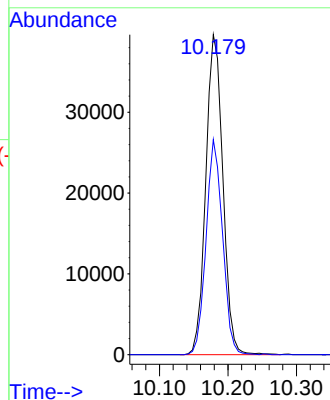
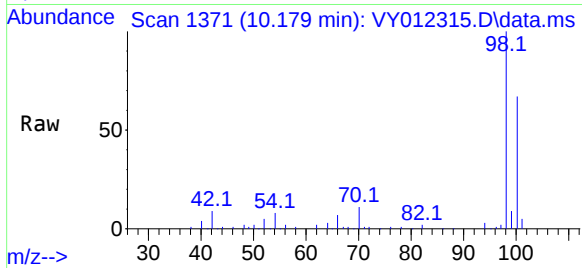




#50
Toluene-d8
Concen: 66.888 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

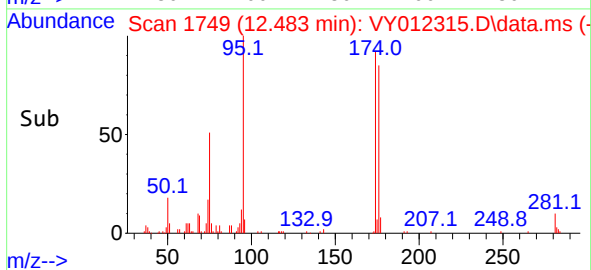
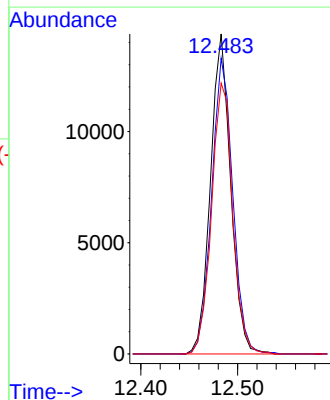
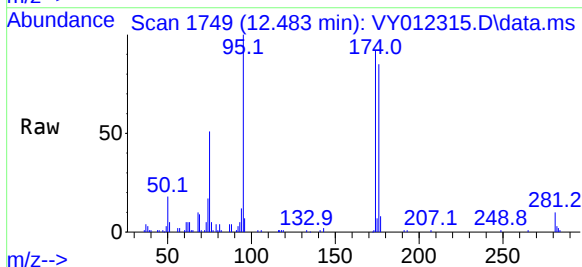
Instrument :
MSVOA_Y
ClientSampleId :

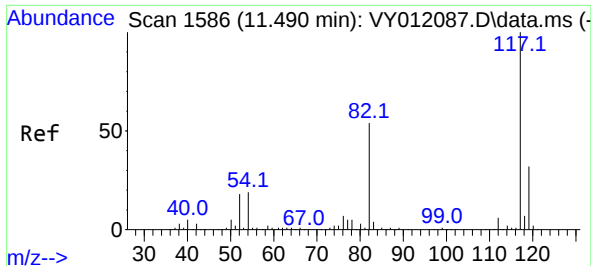
Tgt Ion: 98 Resp: 68774
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.753 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

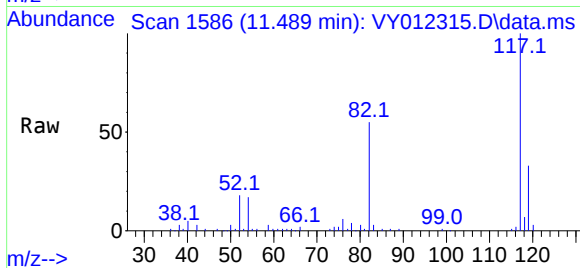
Tgt Ion: 95 Resp: 20851
Ion Ratio Lower Upper
95 100
174 96.5 0.0 172.0
176 88.8 0.0 167.6



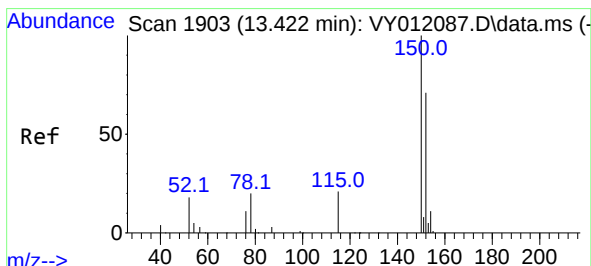
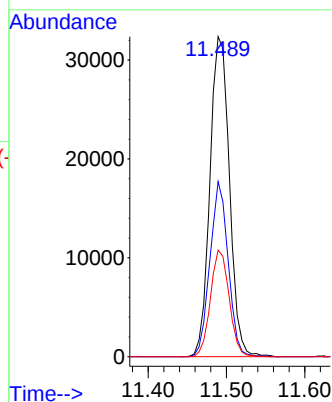
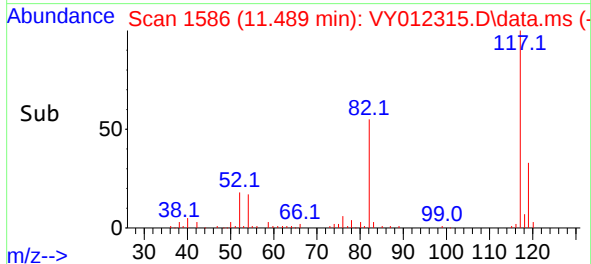


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

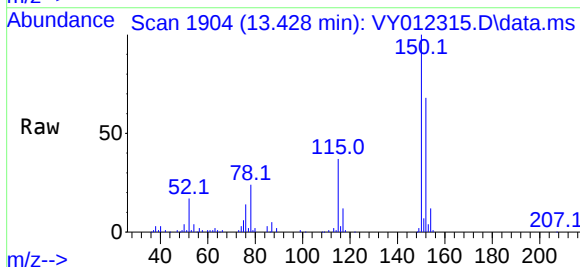
Instrument :
MSVOA_Y
ClientSampleId :



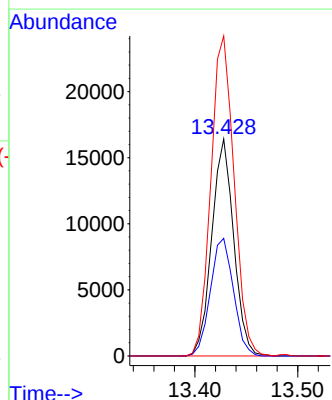
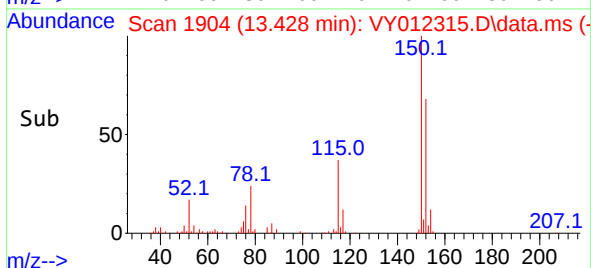
Tgt Ion:117 Resp: 55952
Ion Ratio Lower Upper
117 100
82 54.7 44.8 67.2
119 33.3 25.4 38.2

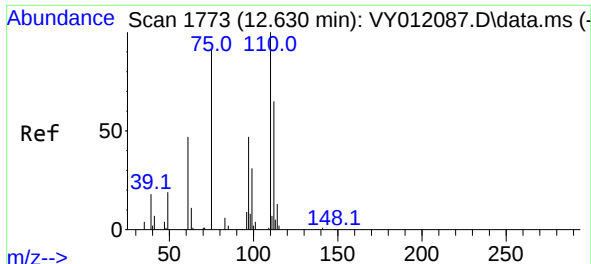


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48



Tgt Ion:152 Resp: 24351
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 155.8 0.0 342.6

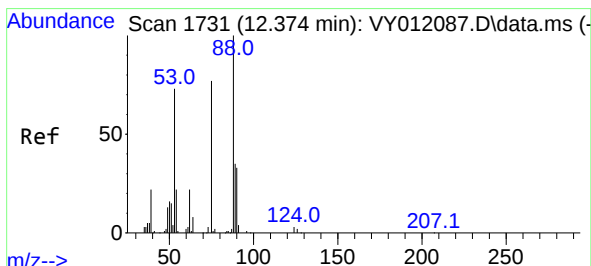
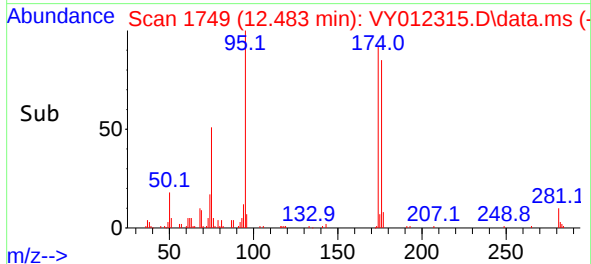
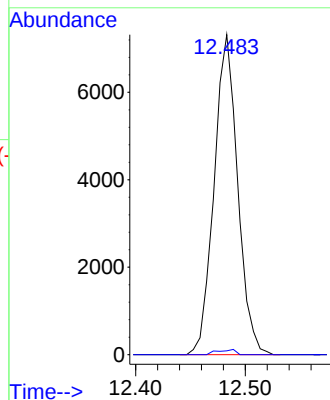
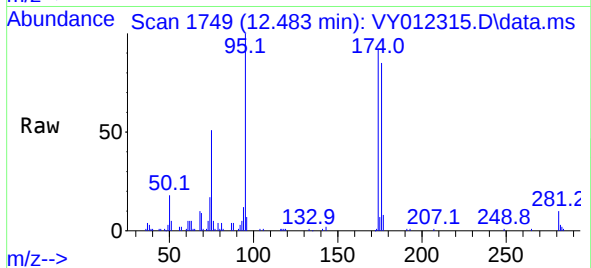




#76
1,2,3-Trichloropropane
Concen: 48.831 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 10934
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.613 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012315.D
Acq: 23 Jan 2023 15:48

Tgt Ion: 75 Resp: 10934
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

