

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012041.D
 Acq On : 03 Jan 2023 13:01
 Operator : KP/MD
 Sample : N6237-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-122922

Quant Time: Jan 04 01:16:59 2023
 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)

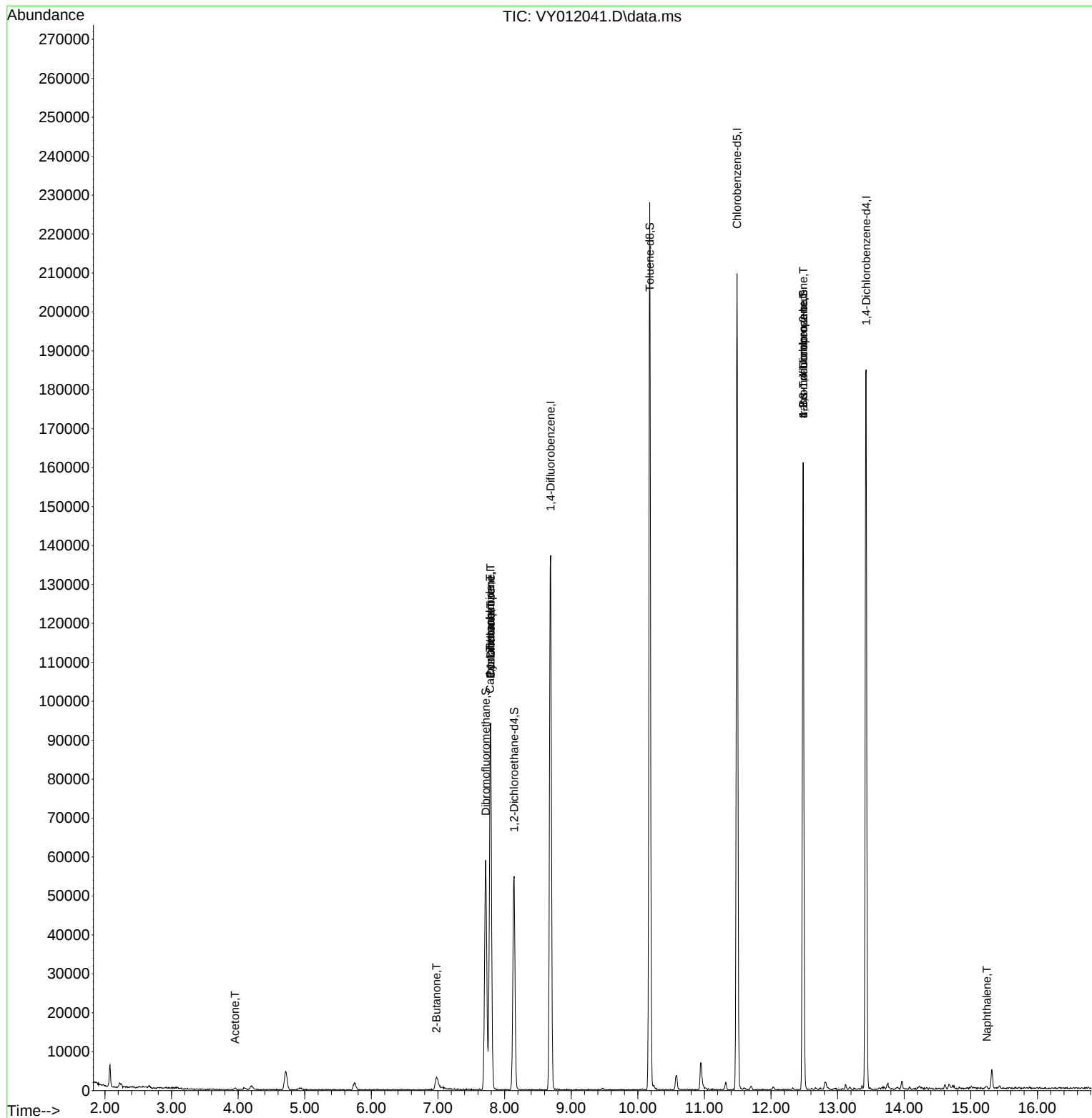
Internal Standards						
1) Pentafluorobenzene	7.789	168	73318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	124357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	119293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45960	62.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.440%	
35) Dibromofluoromethane	7.716	113	39945	53.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.179	98	150609	49.583	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.160%	
62) 4-Bromofluorobenzene	12.483	95	46851	45.861	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.720%	
Target Compounds						
11) Tert butyl alcohol	4.936	59	575	Below Cal	#	74
16) Acetone	3.954	43	620	7.631	ug/l #	76
20) Methylene Chloride	4.716	84	3689	Below Cal		92
25) 2-Butanone	6.978	43	406	1.650	ug/l #	46
31) Cyclohexane	7.789	56	1503	1.209	ug/l #	52
36) 1,1-Dichloropropene	7.789	75	5068	4.220	ug/l #	52
38) Carbon Tetrachloride	7.783	117	7376	5.318	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	23990	37.089	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23990	101.569	ug/l #	13
95) Naphthalene	15.239	128	760	3.153	ug/l #	87

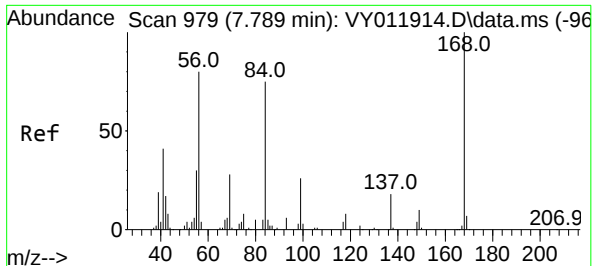
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

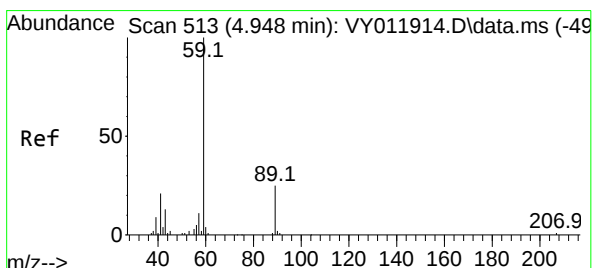
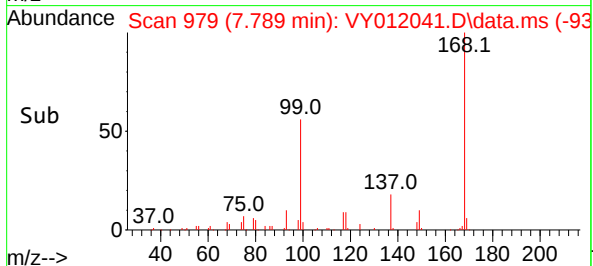
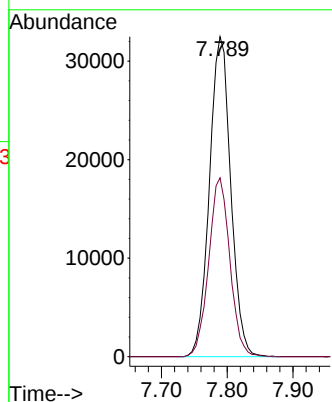
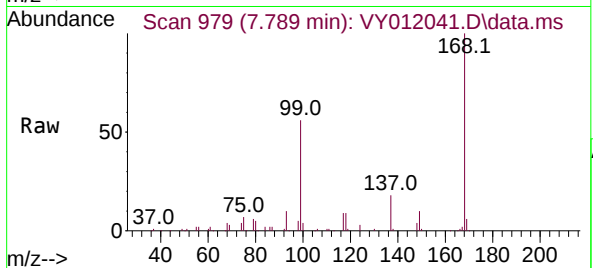




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

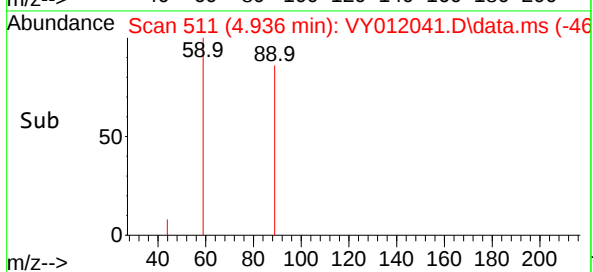
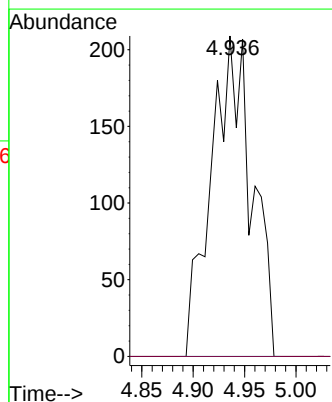
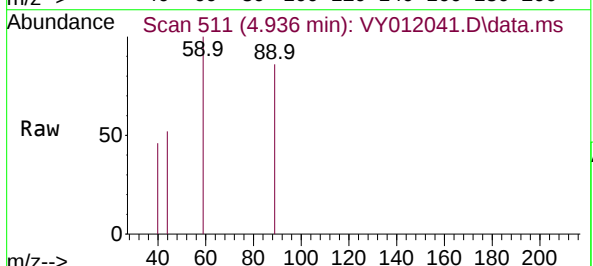
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-122922

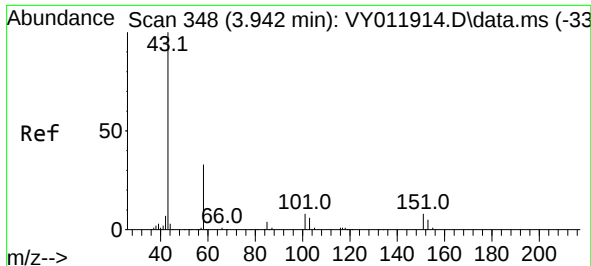
Tgt Ion:168 Resp: 73318
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 7.631 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY012041.D

Acq: 03 Jan 2023 13:01

Instrument :

MSVOA_Y

ClientSampleId :

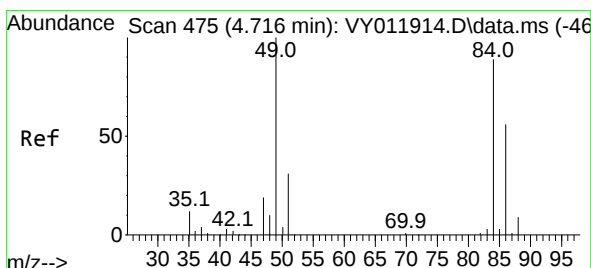
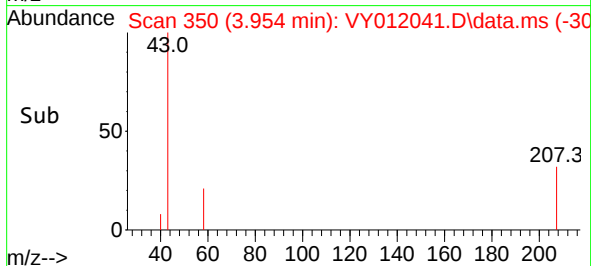
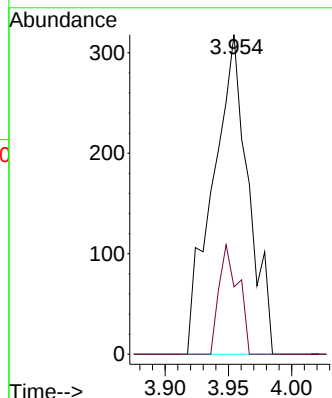
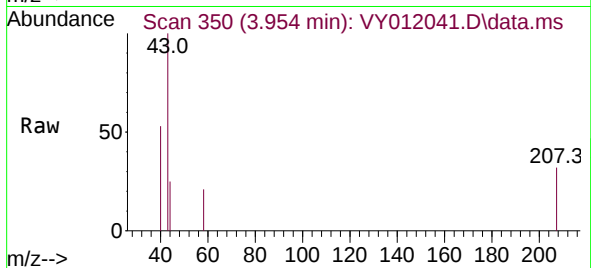
TR-05-122922

Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 21.1 27.9 41.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012041.D

Acq: 03 Jan 2023 13:01

Tgt Ion: 84 Resp: 3689

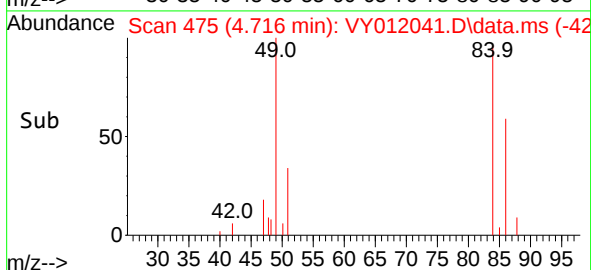
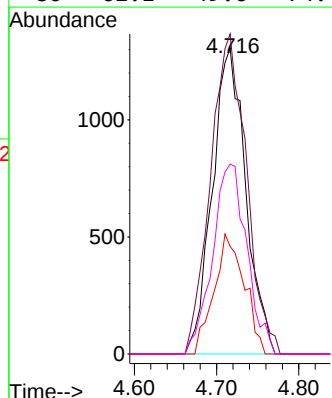
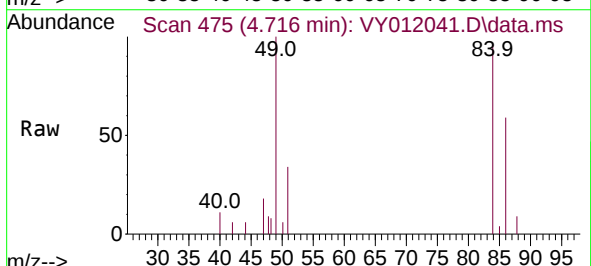
Ion Ratio Lower Upper

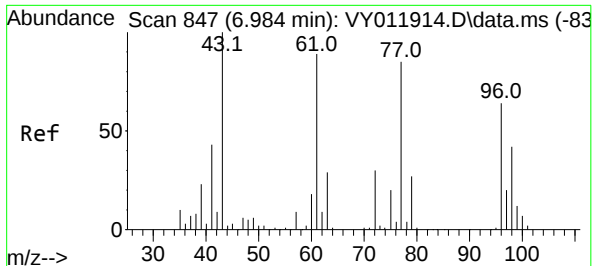
84 100

49 104.6 95.4 143.2

51 35.1 29.9 44.9

86 62.1 49.6 74.4





#25

2-Butanone

Concen: 1.650 ug/l

RT: 6.978 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY012041.D

Acq: 03 Jan 2023 13:01

Instrument :

MSVOA_Y

ClientSampleId :

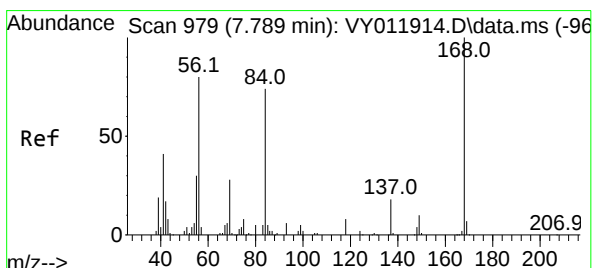
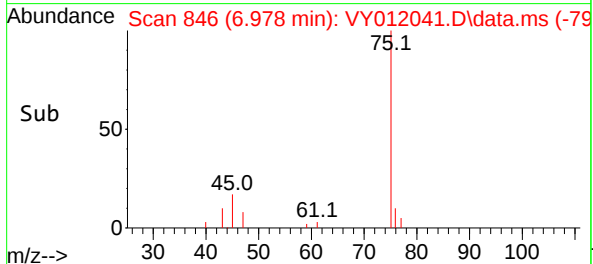
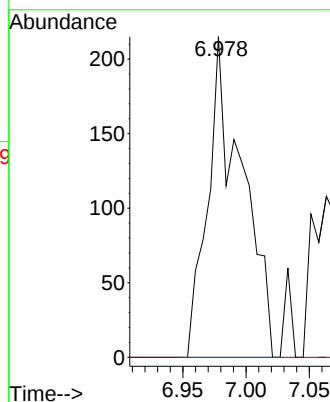
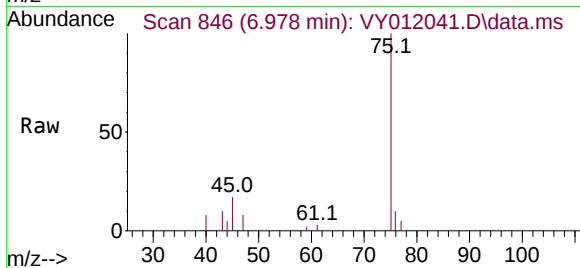
TR-05-122922

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012041.D

Acq: 03 Jan 2023 13:01

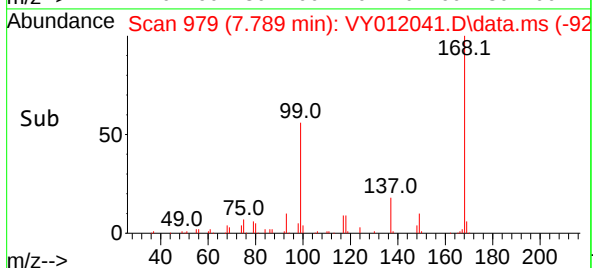
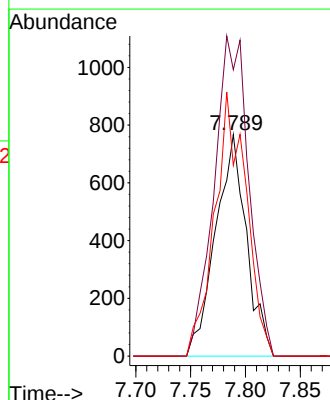
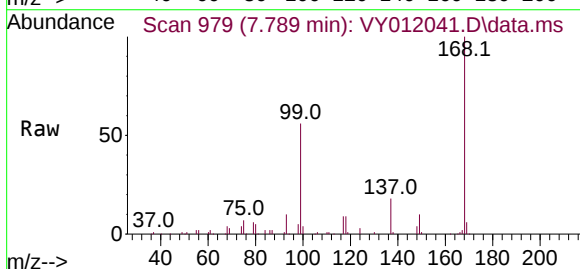
Tgt Ion: 56 Resp: 1503

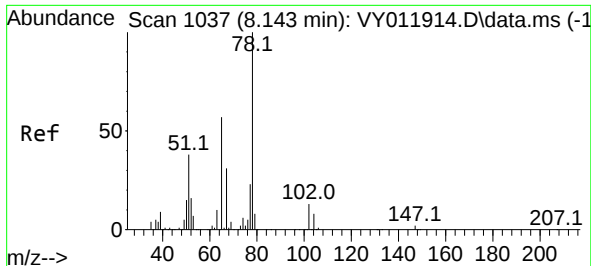
Ion Ratio Lower Upper

56 100

69 129.3 29.2 43.8#

84 86.2 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 62.221 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012041.D

Acq: 03 Jan 2023 13:01

Instrument :

MSVOA_Y

ClientSampleId :

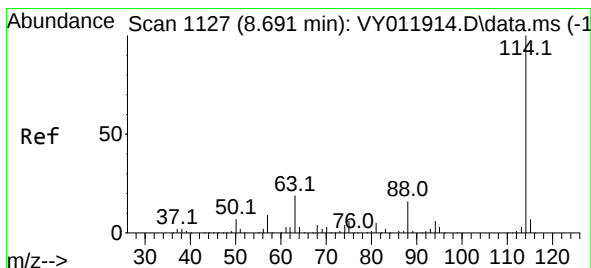
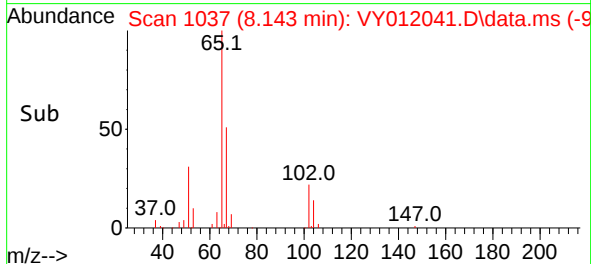
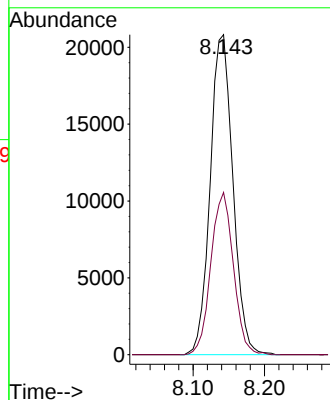
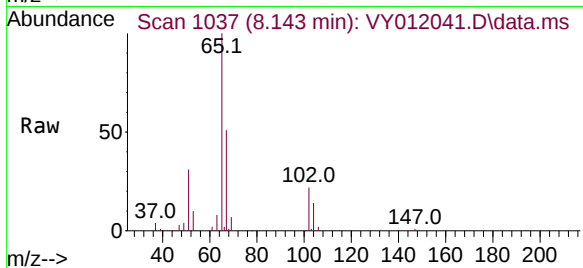
TR-05-122922

Tgt Ion: 65 Resp: 45960

Ion Ratio Lower Upper

65 100

67 50.3 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: VY012041.D

Acq: 03 Jan 2023 13:01

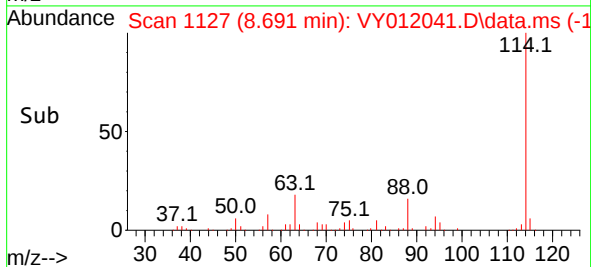
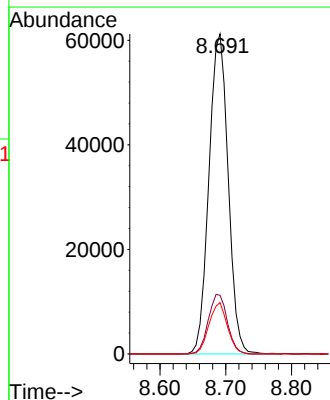
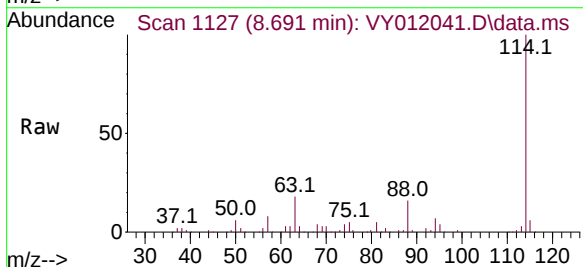
Tgt Ion: 114 Resp: 124357

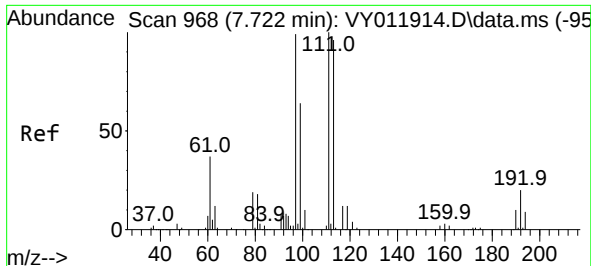
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 16.0 0.0 32.2

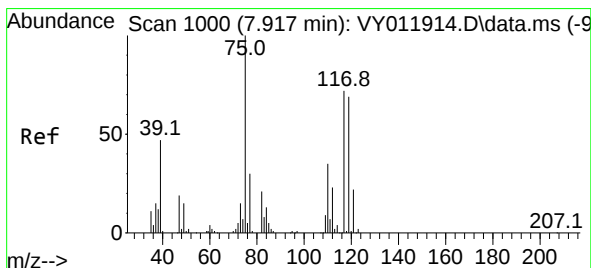
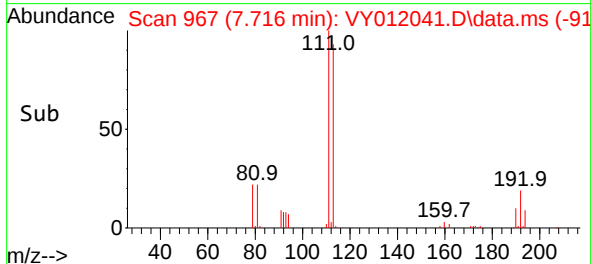
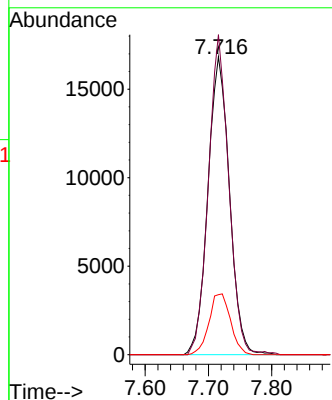
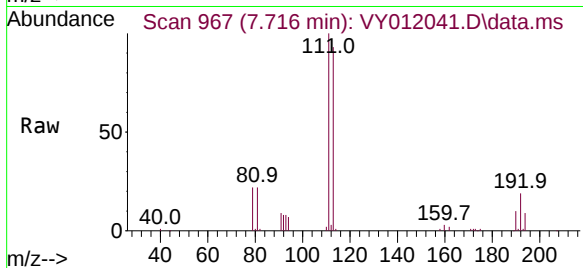




#35
Dibromofluoromethane
Concen: 53.355 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

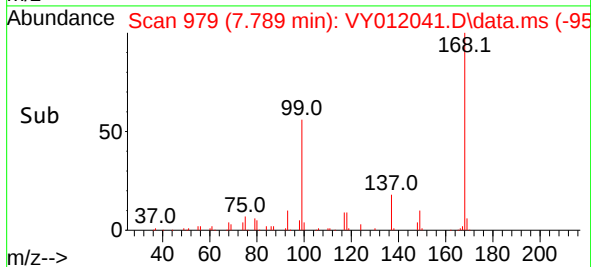
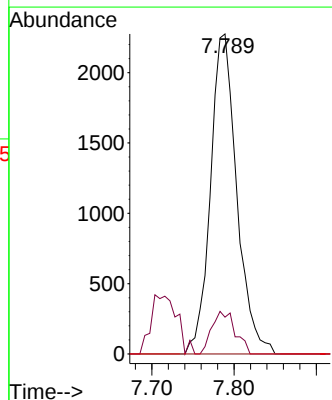
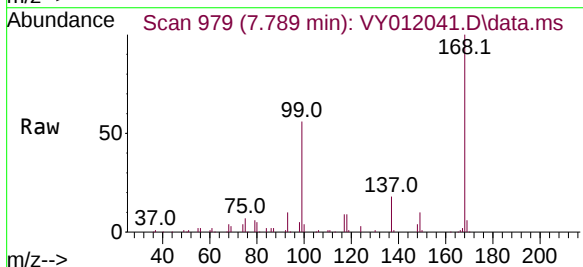
Instrument :
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ClientSampleId :
TR-05-122922

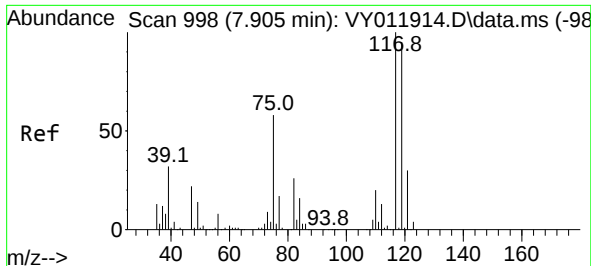
Tgt Ion:113 Resp: 39945
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 20.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.220 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

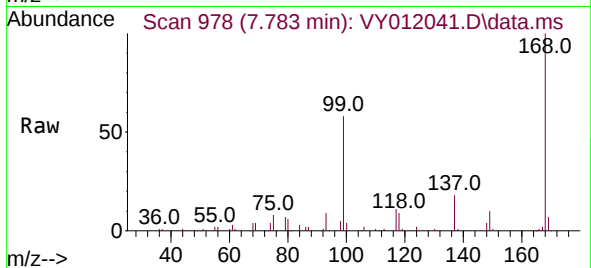
Tgt Ion: 75 Resp: 5068
Ion Ratio Lower Upper
75 100
110 11.9 18.1 54.1#
77 0.0 25.1 37.7#



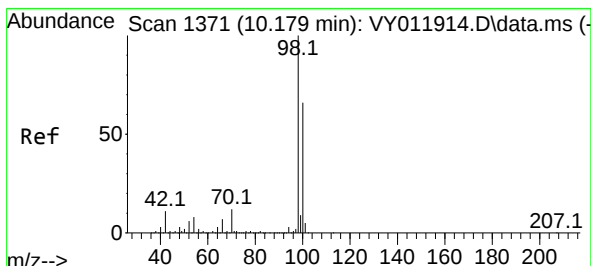
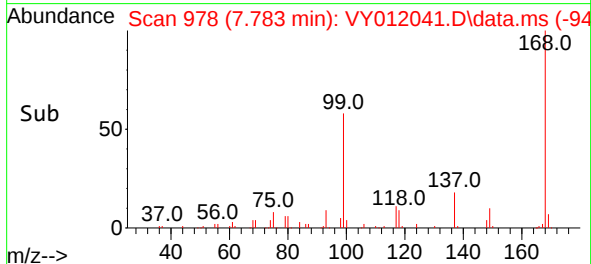
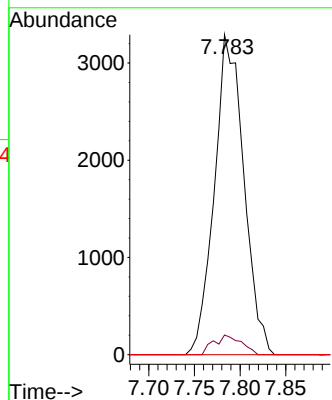


#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-122922

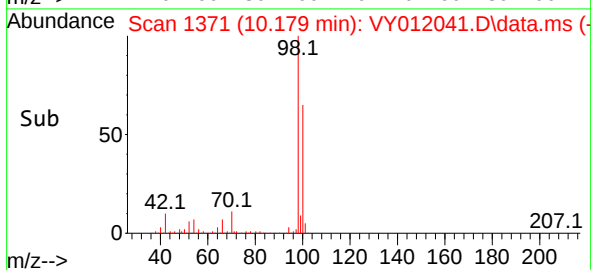
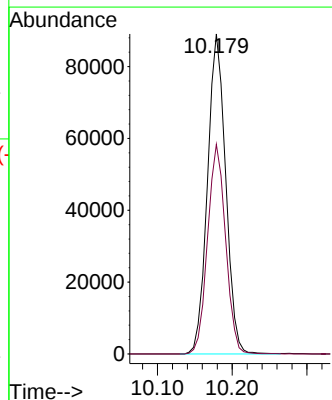
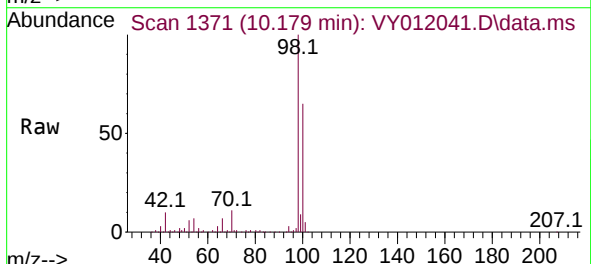


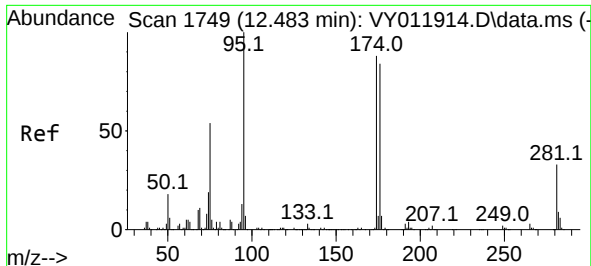
Tgt Ion:117 Resp: 7376
Ion Ratio Lower Upper
117 100
119 6.1 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.583 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

Tgt Ion: 98 Resp: 150609
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

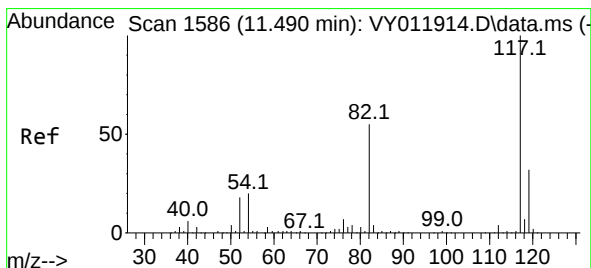
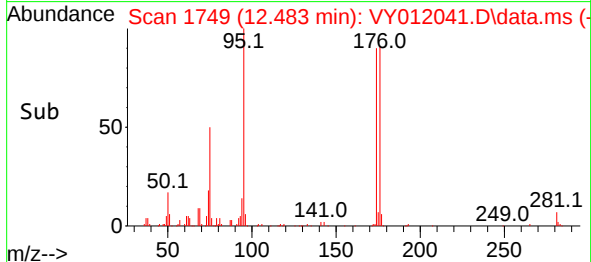
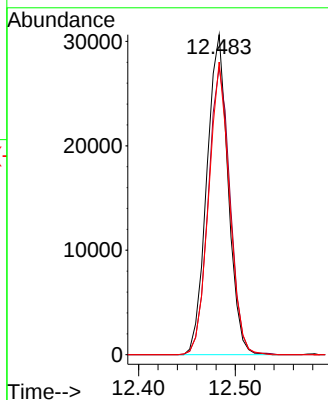
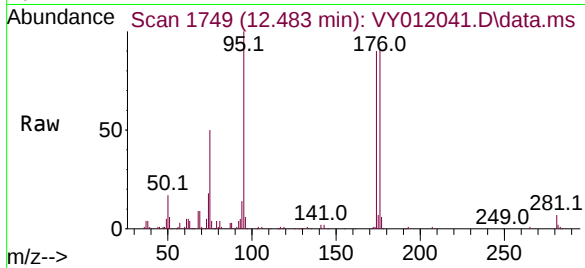




#62
4-Bromofluorobenzene
Concen: 45.861 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

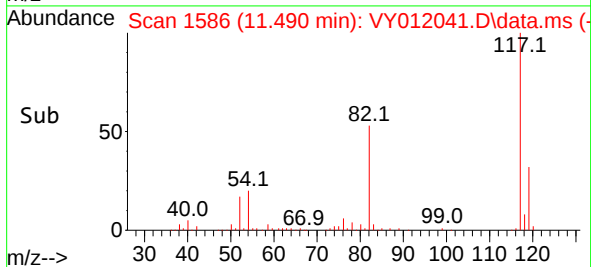
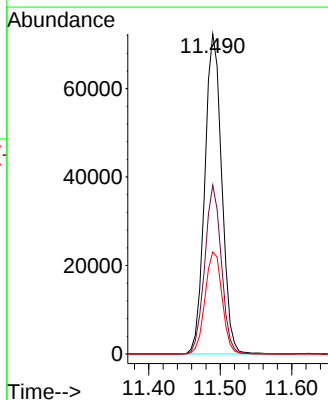
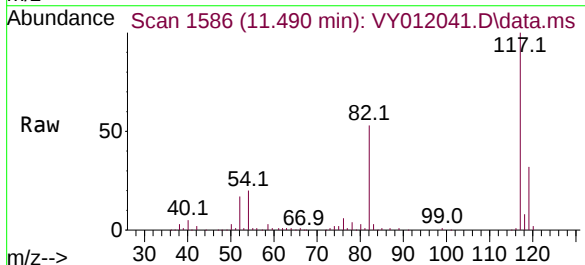
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-122922

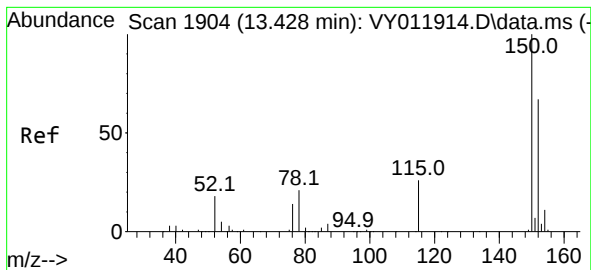
Tgt Ion: 95 Resp: 46851
Ion Ratio Lower Upper
95 100
174 92.0 0.0 172.0
176 89.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

Tgt Ion: 117 Resp: 119293
Ion Ratio Lower Upper
117 100
82 52.8 44.8 67.2
119 31.9 25.4 38.2

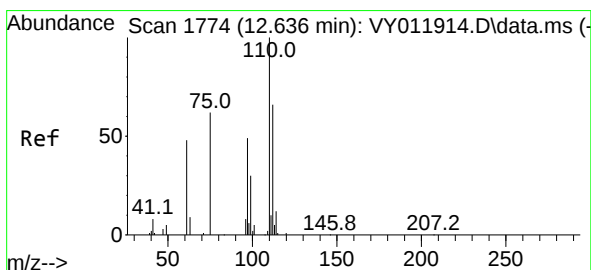
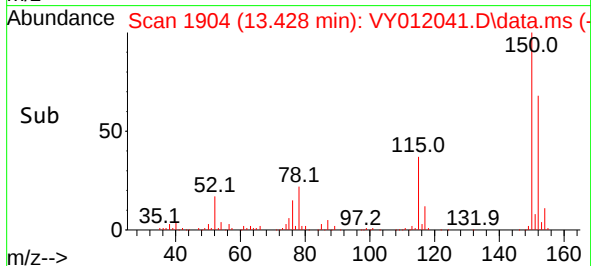
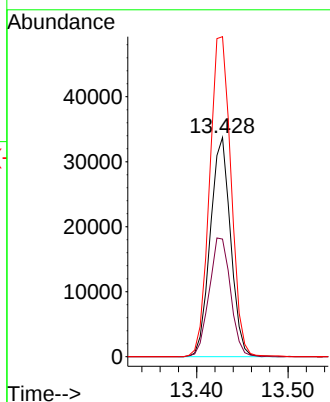
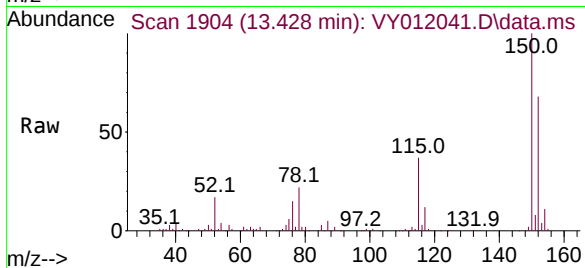




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012041.D
 Acq: 03 Jan 2023 13:01

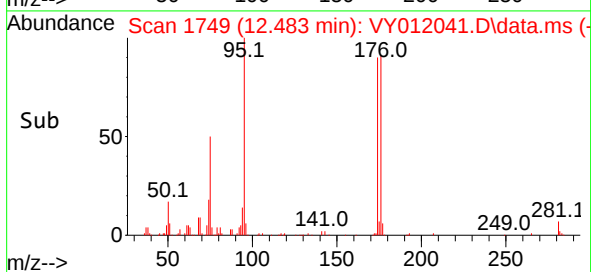
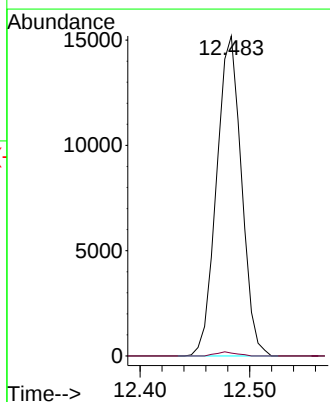
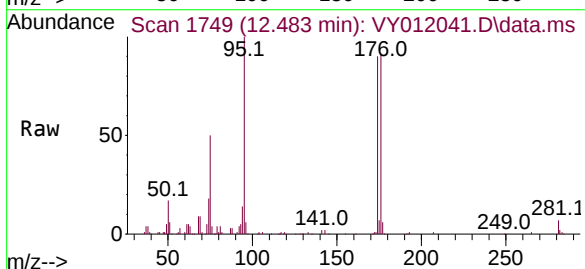
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-122922

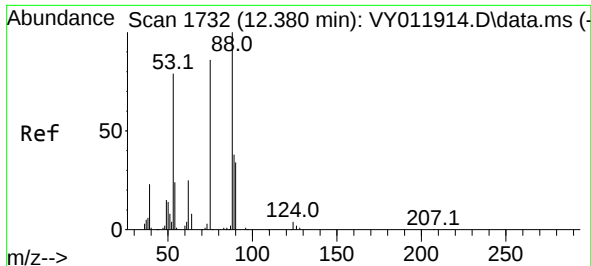
Tgt Ion:152 Resp: 51981
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.1 87.3
 150 153.9 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 37.089 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012041.D
 Acq: 03 Jan 2023 13:01

Tgt Ion: 75 Resp: 23990
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

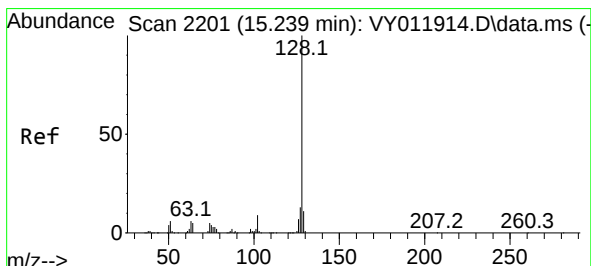
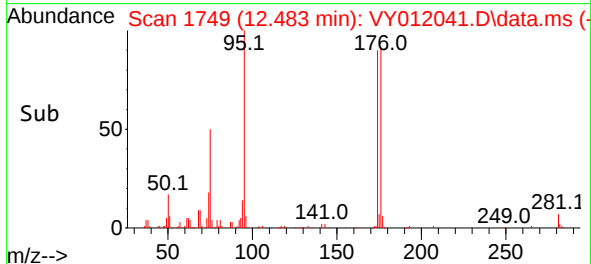
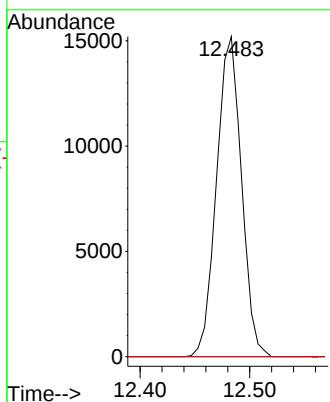
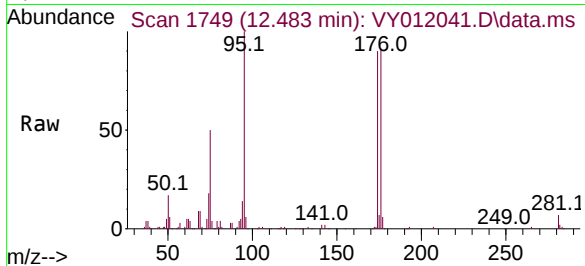




#81
trans-1,4-Dichloro-2-butene
Concen: 101.569 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-122922

Tgt Ion: 75 Resp: 23990
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.153 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY012041.D
Acq: 03 Jan 2023 13:01

Tgt Ion: 128 Resp: 760
Ion Ratio Lower Upper
128 100
127 16.7 10.2 15.2#
129 5.1 8.8 13.2#

