

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012027.D
 Acq On : 29 Dec 2022 14:52
 Operator : KP/MD
 Sample : N6228-01
 Misc : 4.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Dec 30 03:58:55 2022
 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)

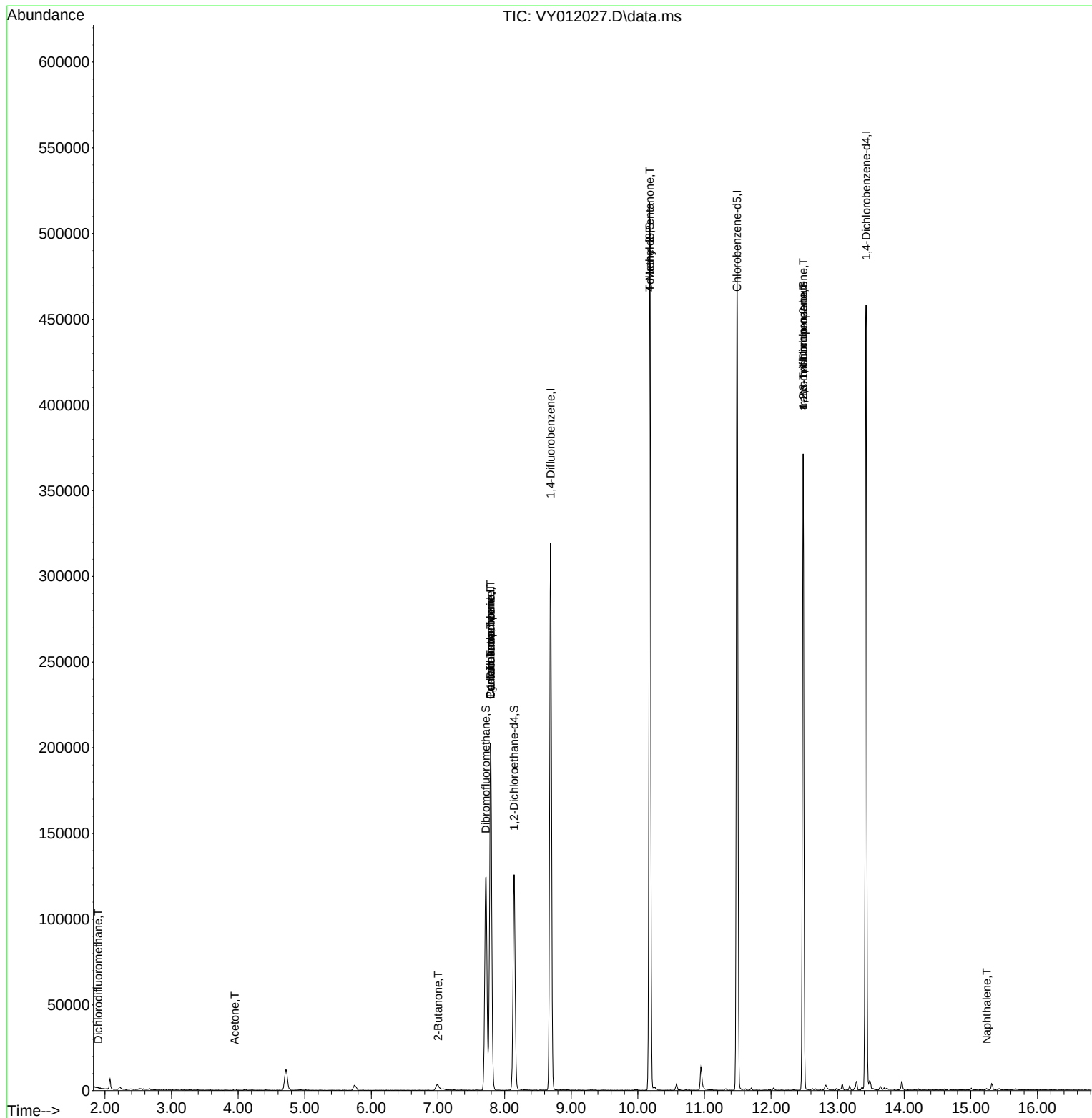
Internal Standards						
1) Pentafluorobenzene	7.789	168	156993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	278575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100634	63.625	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.260%	
35) Dibromofluoromethane	7.716	113	86883	51.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.179	98	339386	49.878	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.760%	
62) 4-Bromofluorobenzene	12.483	95	111211	48.596	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	195	2.615	ug/l #	41
11) Tert butyl alcohol	4.954	59	560	Below Cal	#	74
16) Acetone	3.948	43	1296	7.565	ug/l	88
20) Methylene Chloride	4.716	84	10025	Below Cal		88
25) 2-Butanone	7.002	43	1455	2.762	ug/l #	45
31) Cyclohexane	7.789	56	3175	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11290	4.197	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15578	5.014	ug/l #	19
51) 4-Methyl-2-Pentanone	10.179	43	1247	1.061	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	58595	38.424	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58595	105.224	ug/l #	13
95) Naphthalene	15.239	128	1032	2.994	ug/l #	78

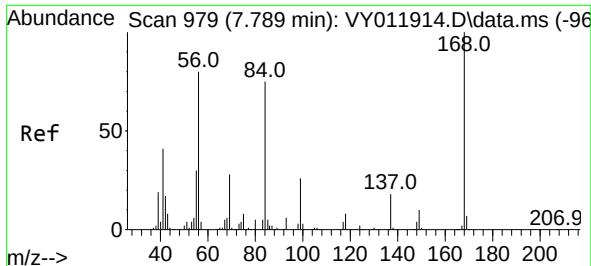
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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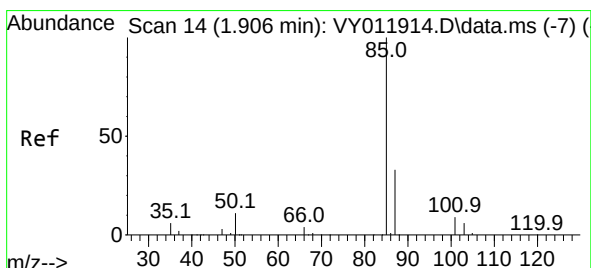
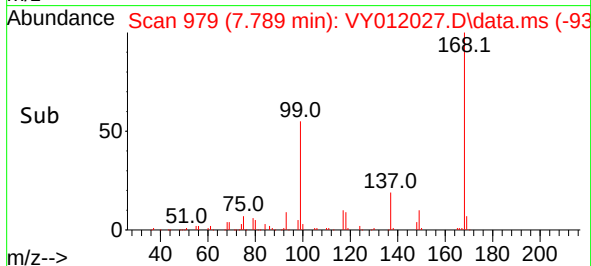
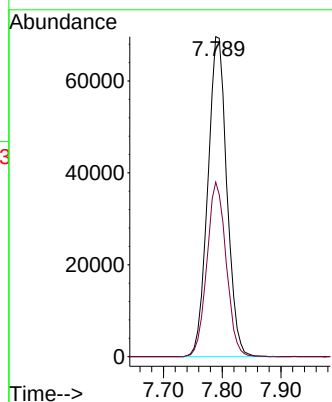
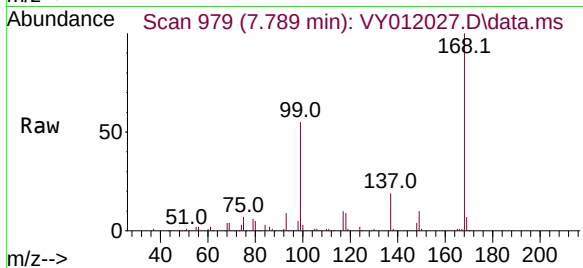




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

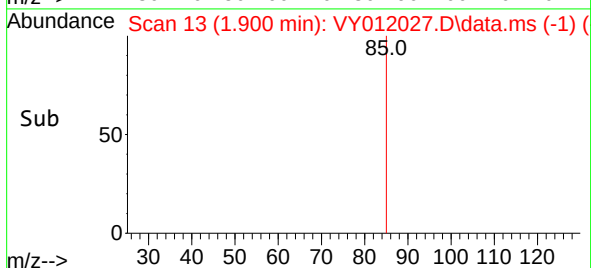
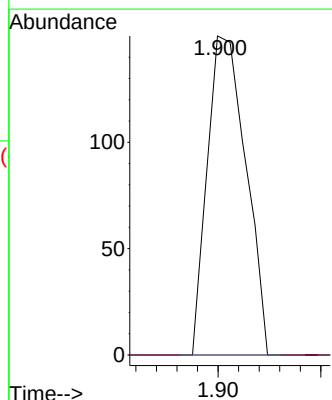
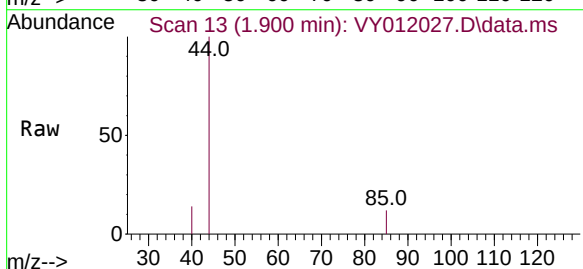
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

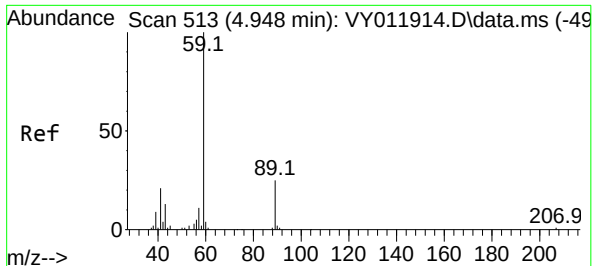
Tgt Ion:168 Resp: 156993
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.615 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

Tgt Ion: 85 Resp: 195
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 513

Delta R.T. 0.006 min

Lab File: VY012027.D

Acq: 29 Dec 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

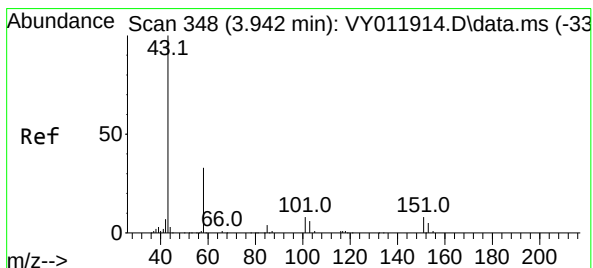
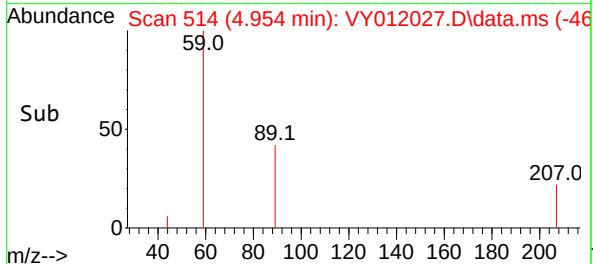
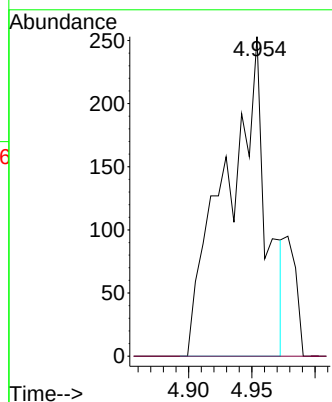
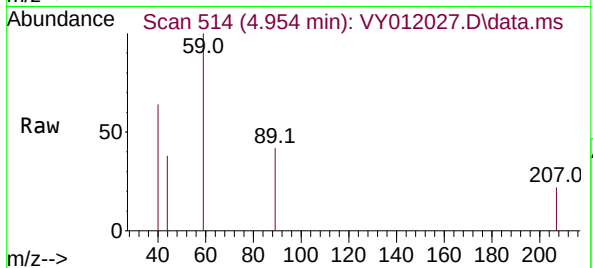
TP-1

Tgt Ion: 59 Resp: 560

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 7.565 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012027.D

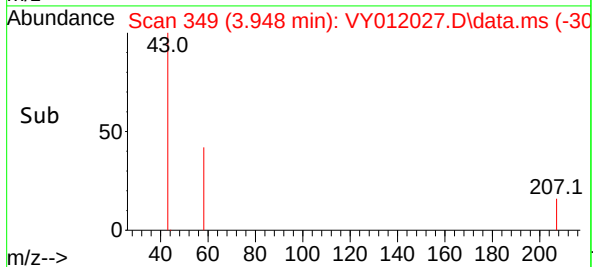
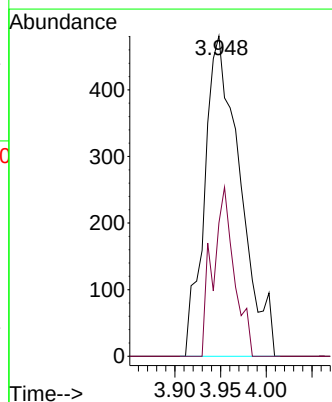
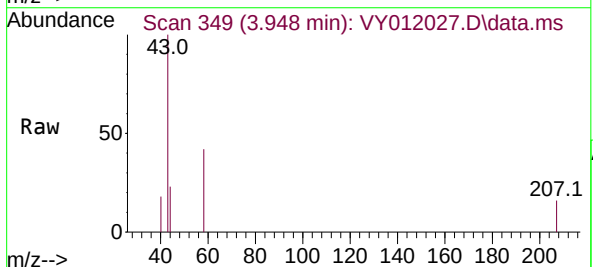
Acq: 29 Dec 2022 14:52

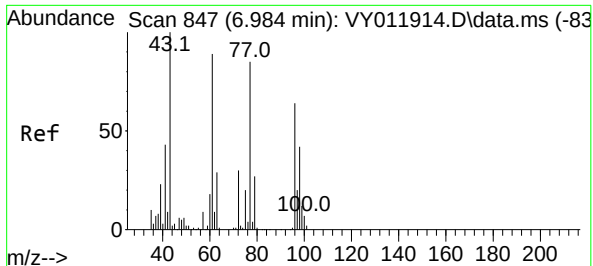
Tgt Ion: 43 Resp: 1296

Ion Ratio Lower Upper

43 100

58 41.6 27.9 41.9





#25

2-Butanone

Concen: 2.762 ug/l

RT: 7.002 min Scan# 847

Delta R.T. 0.018 min

Lab File: VY012027.D

Acq: 29 Dec 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

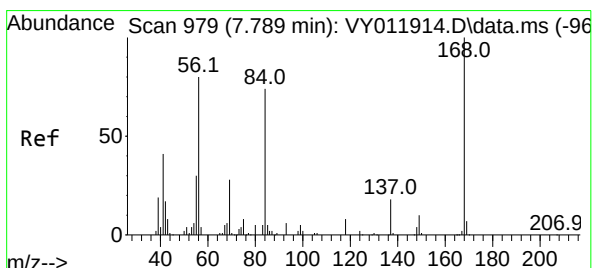
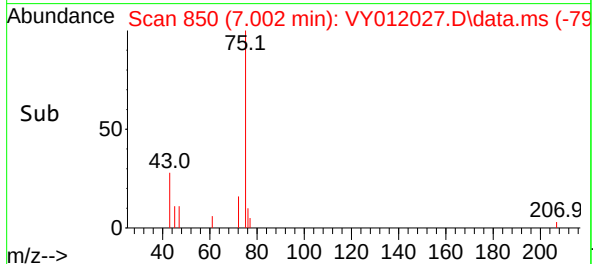
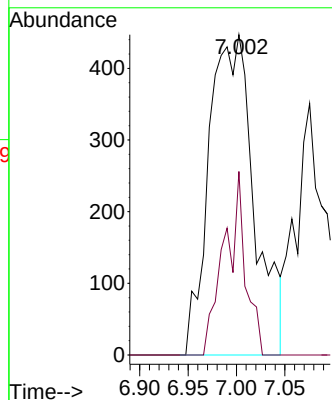
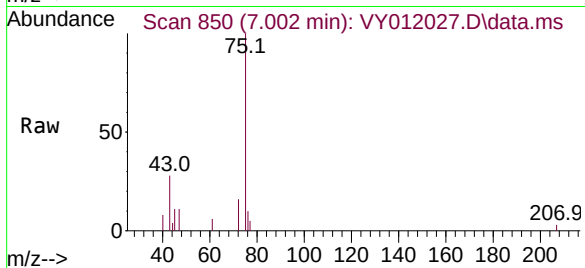
TP-1

Tgt Ion: 43 Resp: 1455

Ion Ratio Lower Upper

43 100

72 57.3 22.6 34.0#



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012027.D

Acq: 29 Dec 2022 14:52

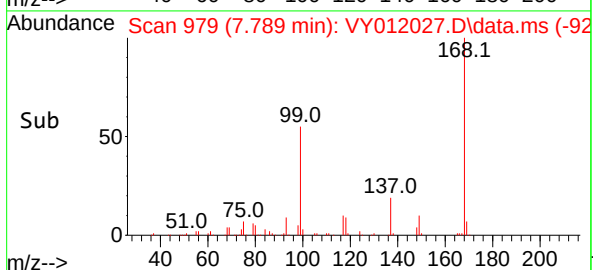
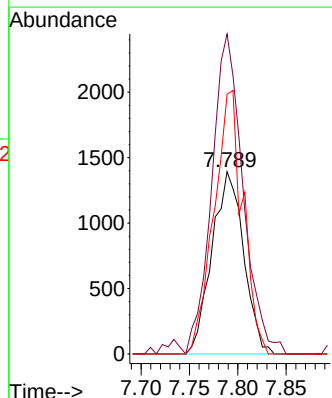
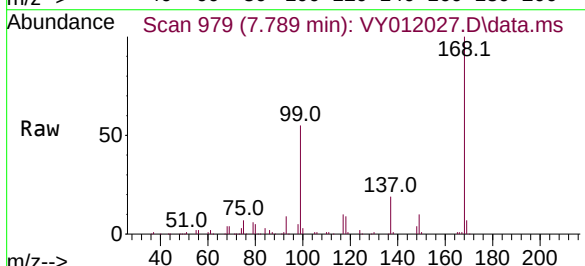
Tgt Ion: 56 Resp: 3175

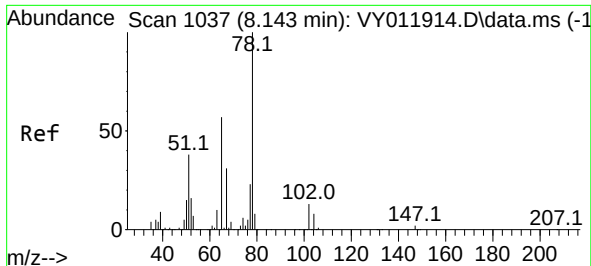
Ion Ratio Lower Upper

56 100

69 171.7 29.2 43.8#

84 142.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 63.625 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY012027.D

Acq: 29 Dec 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

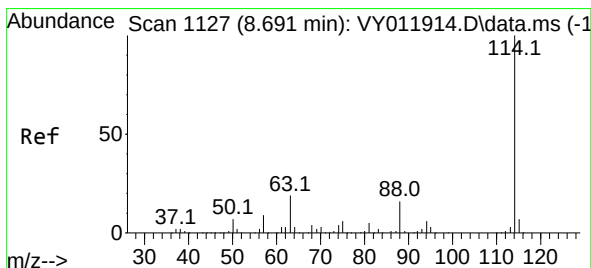
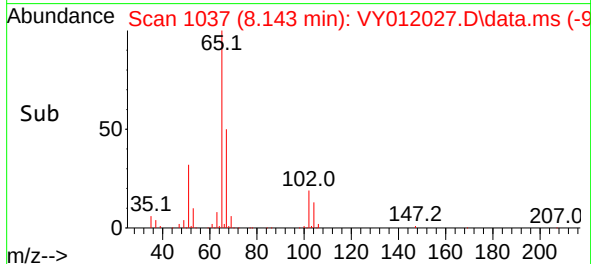
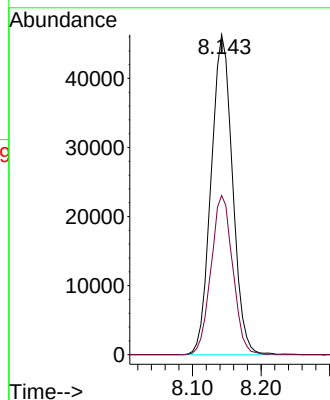
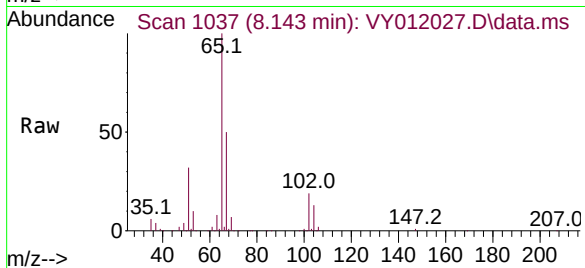
TP-1

Tgt Ion: 65 Resp: 100634

Ion Ratio Lower Upper

65 100

67 50.4 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: VY012027.D

Acq: 29 Dec 2022 14:52

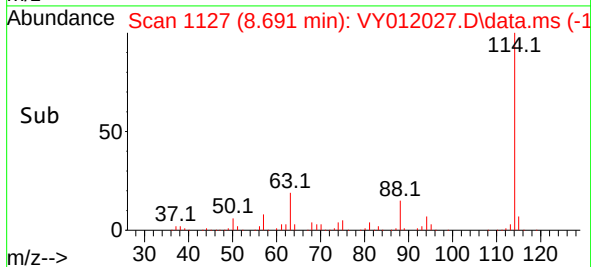
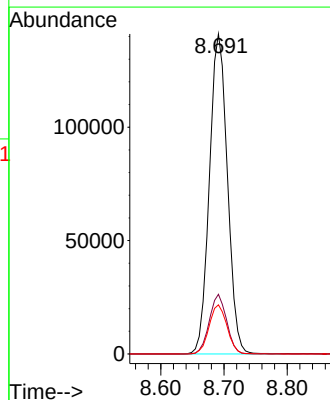
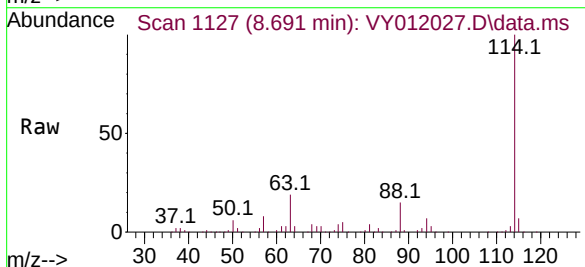
Tgt Ion: 114 Resp: 278575

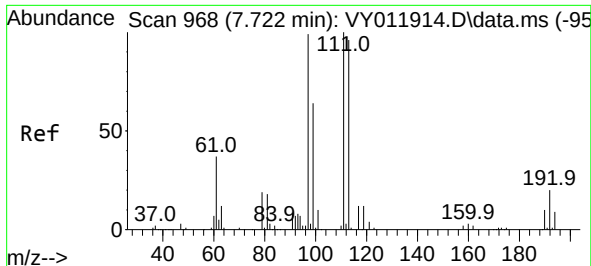
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.3 0.0 32.2

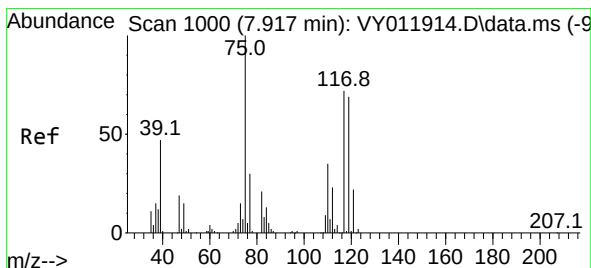
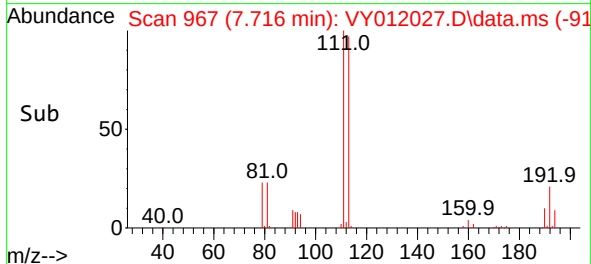
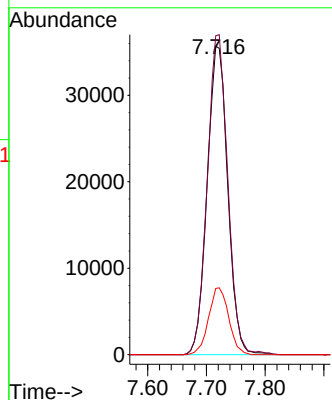
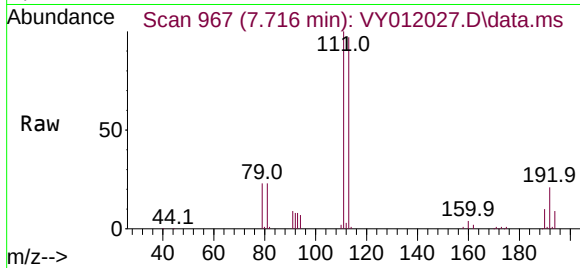




#35
Dibromofluoromethane
Concen: 51.805 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

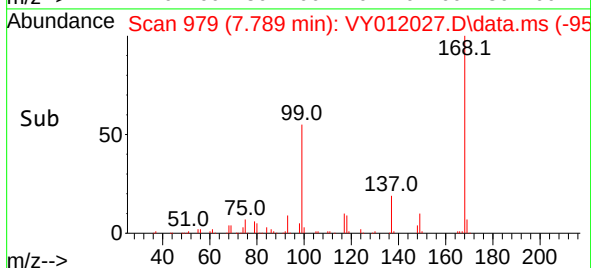
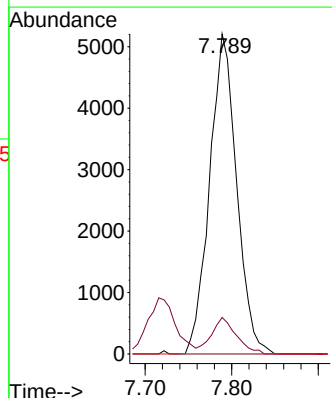
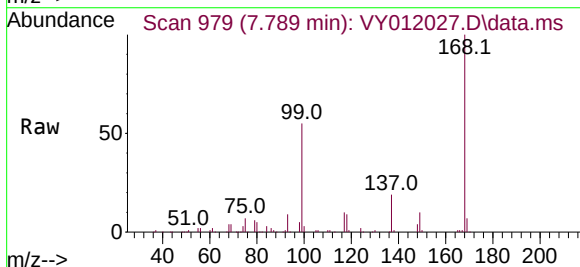
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TP-1

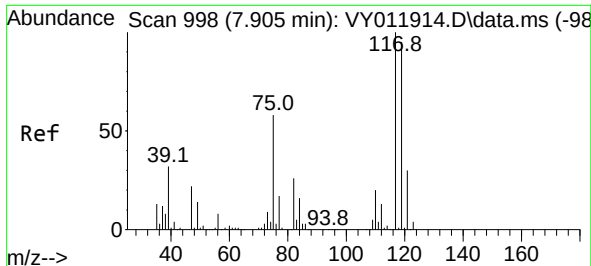
Tgt Ion:113 Resp: 86883
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.197 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

Tgt Ion: 75 Resp: 11290
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.1#
77 0.0 25.1 37.7#

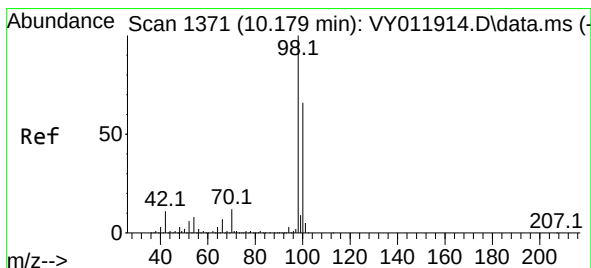
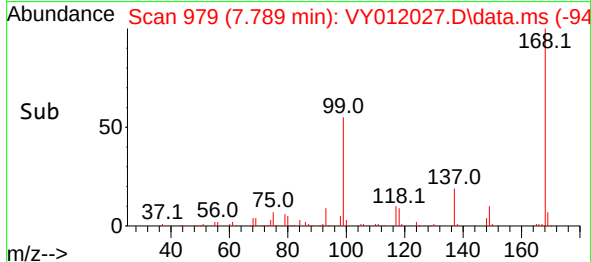
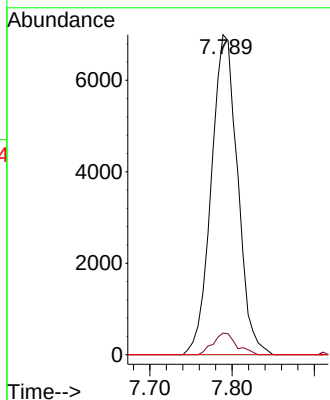
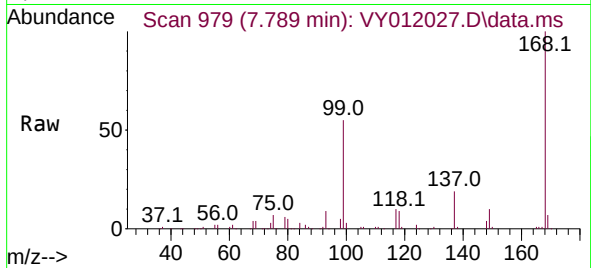




#38
Carbon Tetrachloride
Concen: 5.014 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

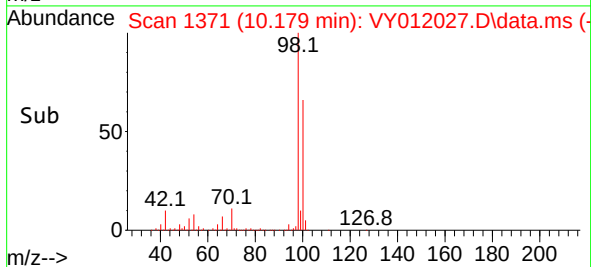
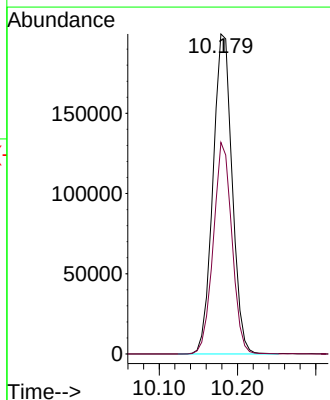
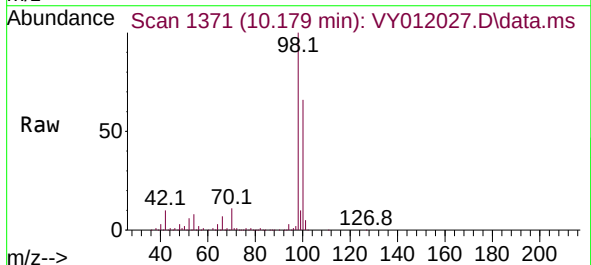
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

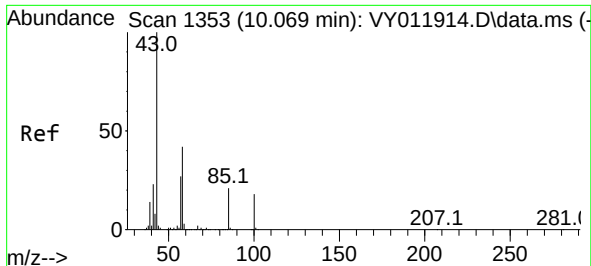
Tgt Ion:117 Resp: 15578
Ion Ratio Lower Upper
117 100
119 6.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.878 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

Tgt Ion: 98 Resp: 339386
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.061 ug/l

RT: 10.179 min Scan# 1353

Delta R.T. 0.110 min

Lab File: VY012027.D

Acq: 29 Dec 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

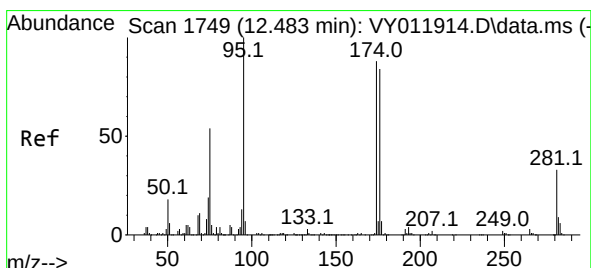
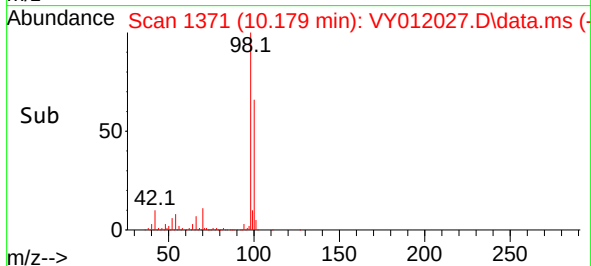
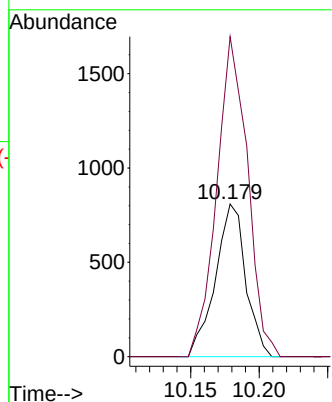
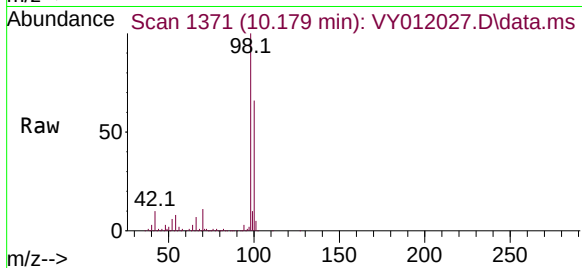
TP-1

Tgt Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

58 212.9 32.9 49.3#



#62

4-Bromofluorobenzene

Concen: 48.596 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012027.D

Acq: 29 Dec 2022 14:52

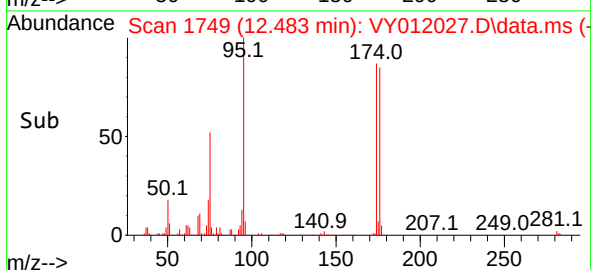
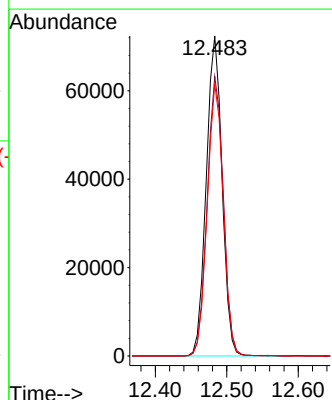
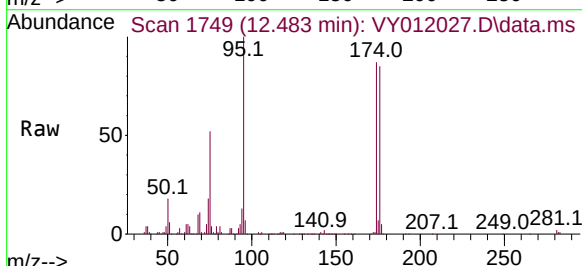
Tgt Ion: 95 Resp: 111211

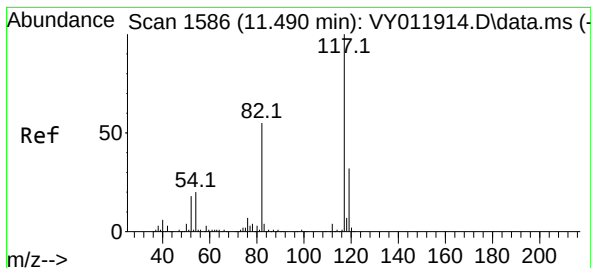
Ion Ratio Lower Upper

95 100

174 89.6 0.0 172.0

176 86.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012027.D

Acq: 29 Dec 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

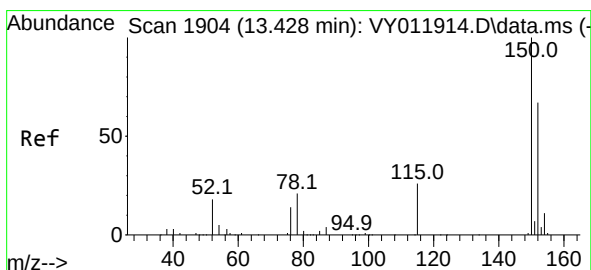
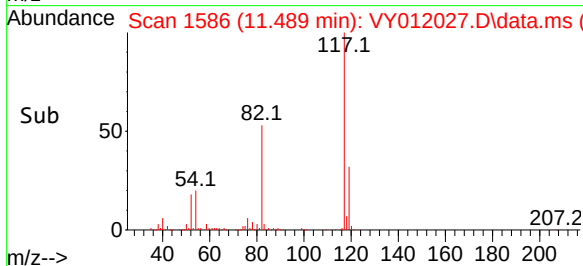
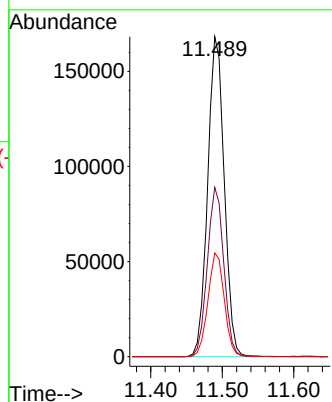
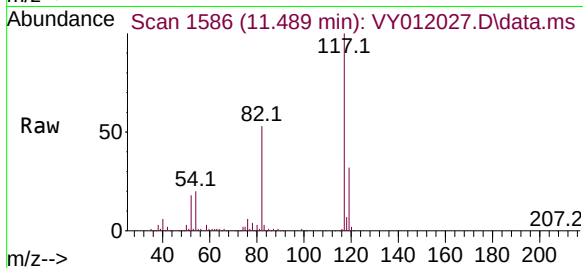
Tgt Ion:117 Resp: 270666

Ion Ratio Lower Upper

117 100

82 52.9 44.8 67.2

119 32.4 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: VY012027.D

Acq: 29 Dec 2022 14:52

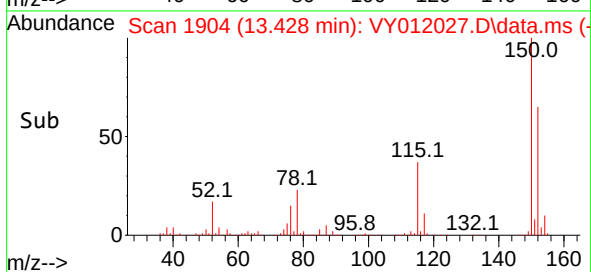
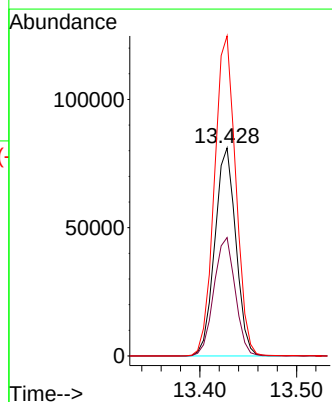
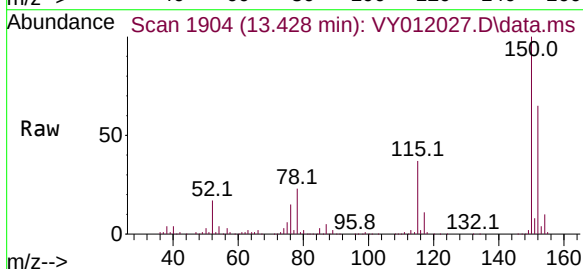
Tgt Ion:152 Resp: 122552

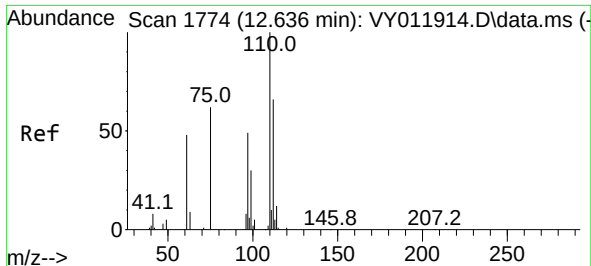
Ion Ratio Lower Upper

152 100

115 57.6 29.1 87.3

150 155.6 0.0 342.6

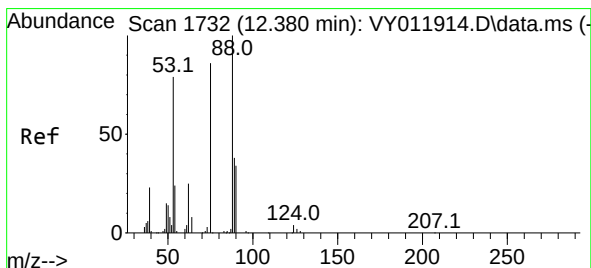
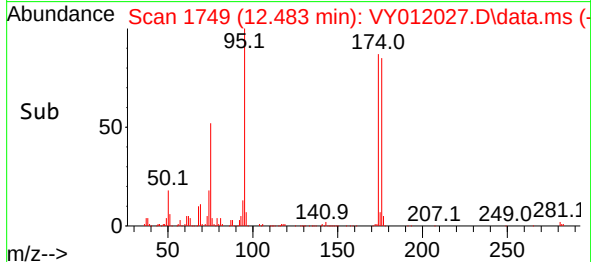
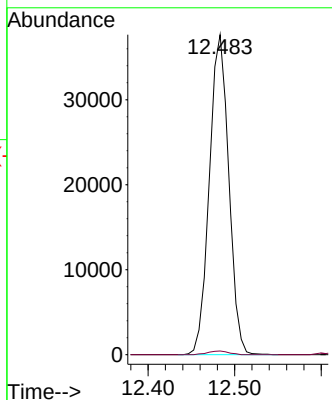
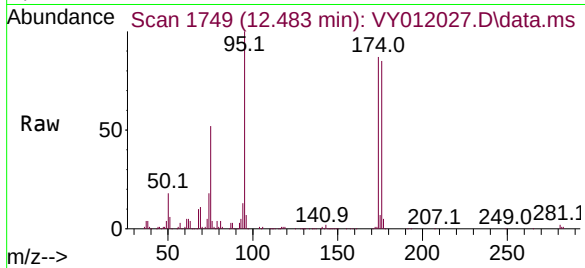




#76
1,2,3-Trichloropropane
Concen: 38.424 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

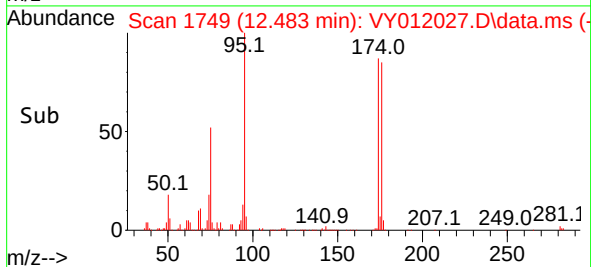
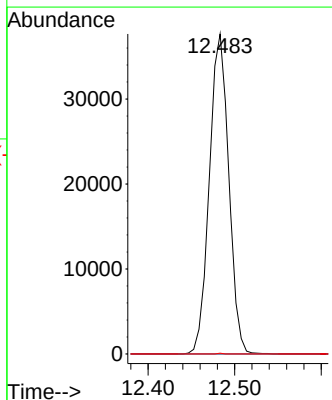
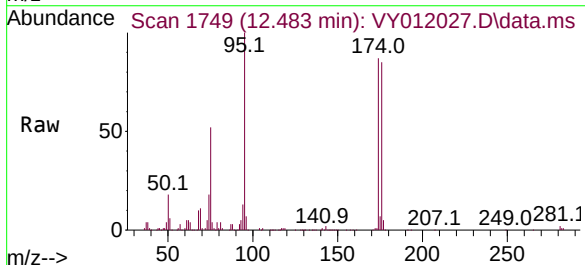
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

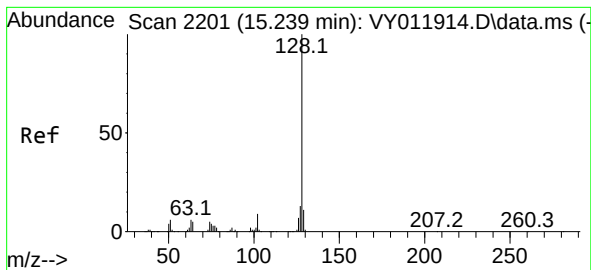
Tgt Ion: 75 Resp: 58595
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.224 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012027.D
Acq: 29 Dec 2022 14:52

Tgt Ion: 75 Resp: 58595
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 2.994 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012027.D

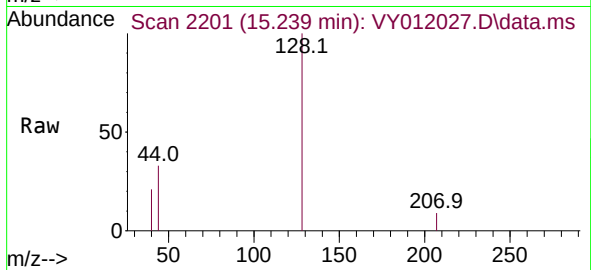
Acq: 29 Dec 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-1



Tgt Ion:	128	Resp:	1032
Ion	Ratio	Lower	Upper
128	100		
127	6.2	10.2	15.2#
129	0.0	8.8	13.2#

