

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012528.D
 Acq On : 07 Feb 2023 18:57
 Operator : KP/MD
 Sample : 01465-06
 Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-8

Quant Time: Feb 08 05:29:04 2023
 Quant Title :
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

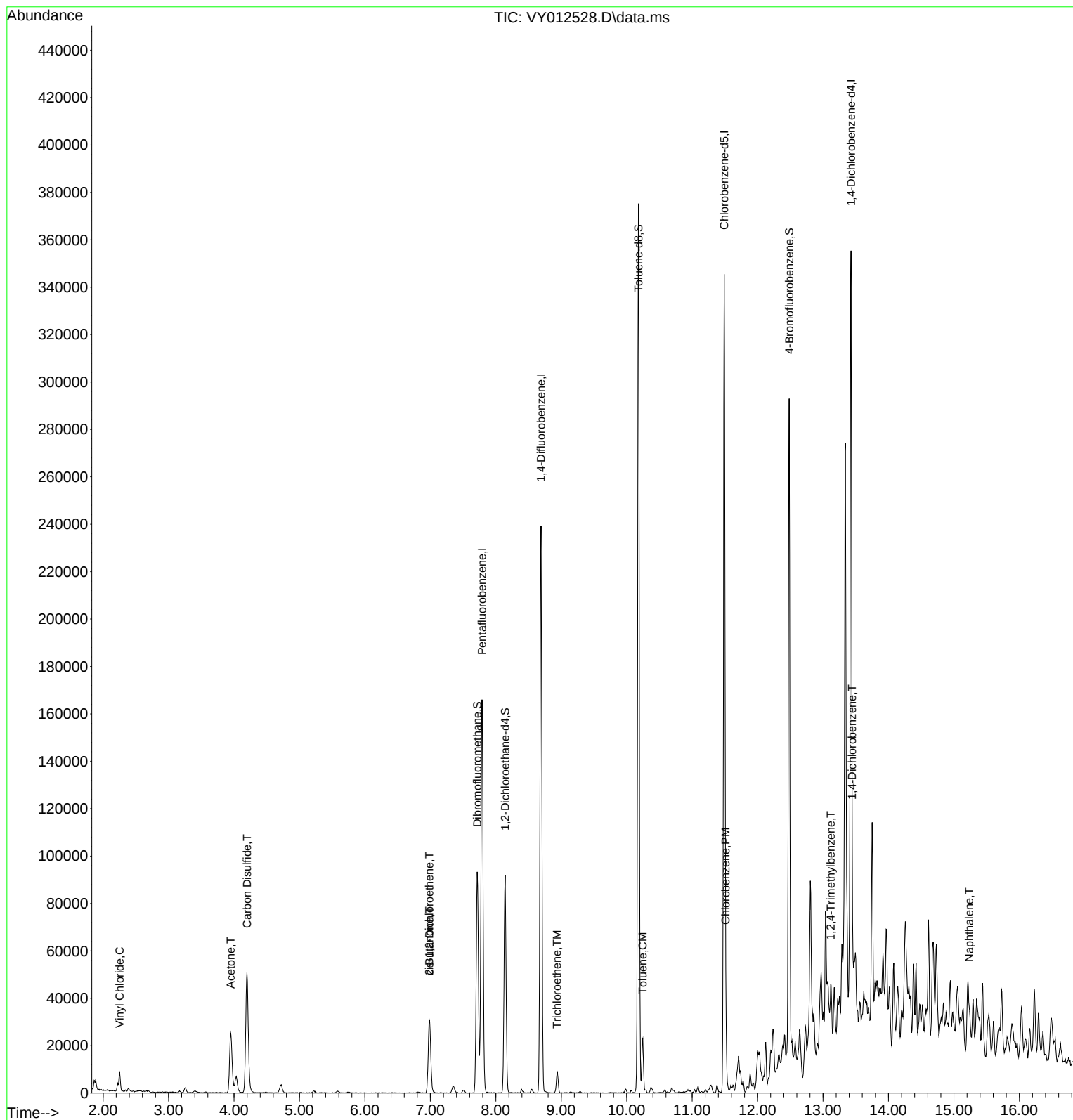
Internal Standards						
1) Pentafluorobenzene	7.789	168	133396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	215159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	197119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76098	44.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.720%
35) Dibromofluoromethane	7.716	113	63657	40.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.260%
50) Toluene-d8	10.179	98	251225	38.520	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.040%
62) 4-Bromofluorobenzene	12.483	95	81184	35.687	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.380%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	5901	4.557	ug/l	94
16) Acetone	3.948	43	44368	108.673	ug/l	99
17) Carbon Disulfide	4.198	76	102682	29.810	ug/l	96
25) 2-Butanone	6.984	43	10864	23.983	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	17025	10.130	ug/l	86
44) Trichloroethene	8.935	130	3386	1.776	ug/l	93
52) Toluene	10.246	92	9852	2.319	ug/l	99
65) Chlorobenzene	11.514	112	10345	2.213	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	12040	2.066	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	12233	3.681	ug/l #	77
95) Naphthalene	15.233	128	9880	2.783	ug/l #	88

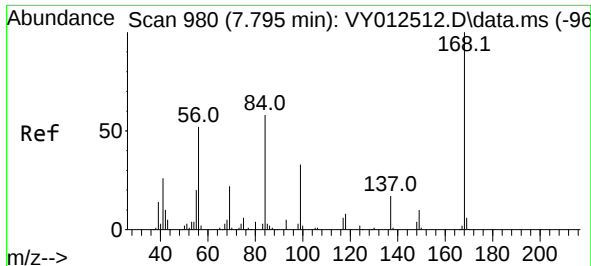
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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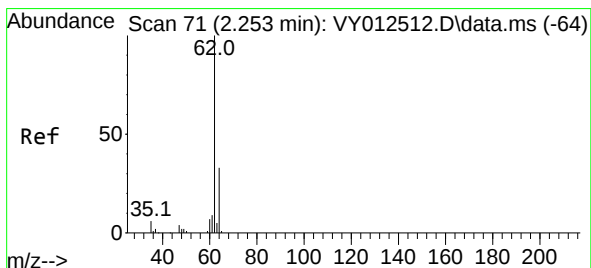
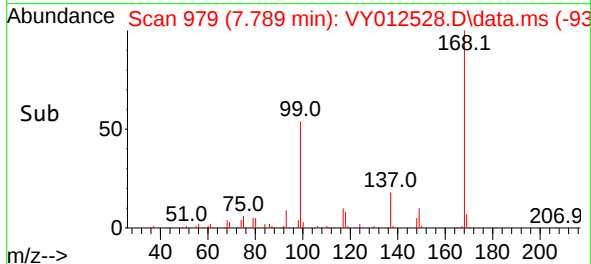
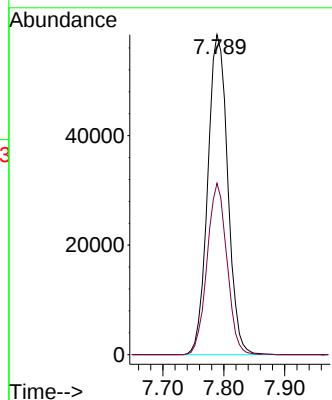
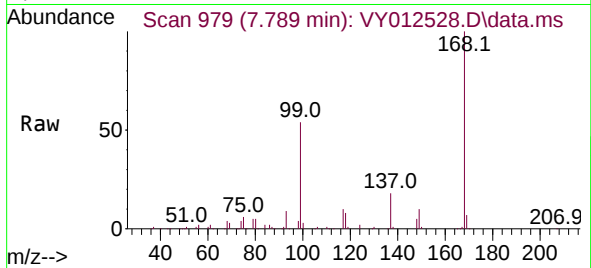




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012528.D
Acq: 07 Feb 2023 18:57

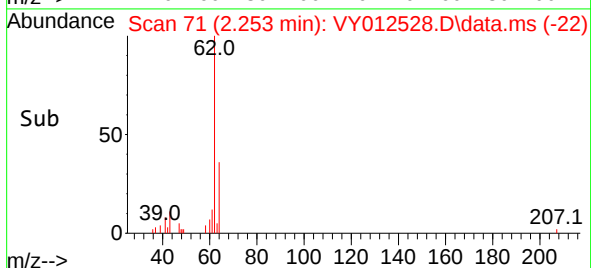
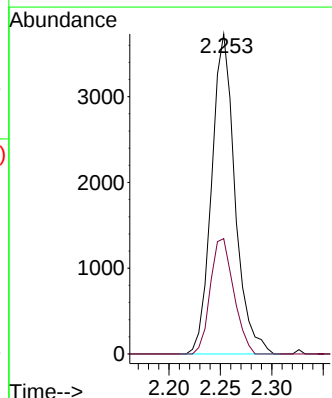
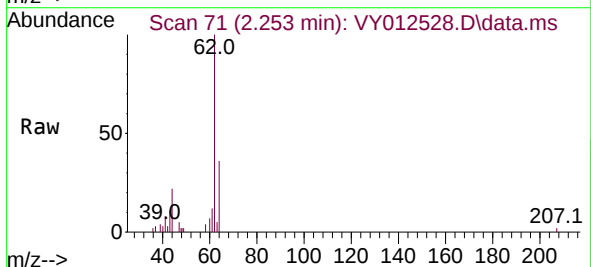
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

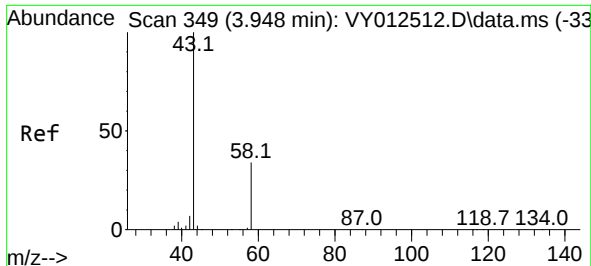
Tgt Ion:168 Resp: 133396
Ion Ratio Lower Upper
168 100
99 53.5 40.8 61.2



#4
Vinyl Chloride
Concen: 4.557 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY012528.D
Acq: 07 Feb 2023 18:57

Tgt Ion: 62 Resp: 5901
Ion Ratio Lower Upper
62 100
64 36.0 26.1 39.1





#16

Acetone

Concen: 108.673 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

Instrument :

MSVOA_Y

ClientSampleId :

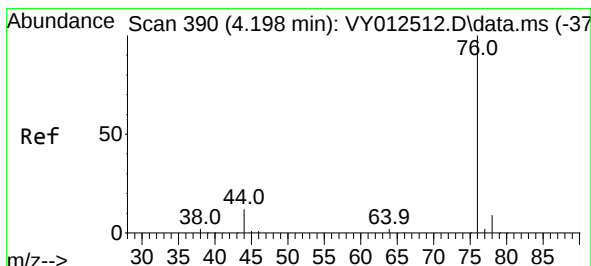
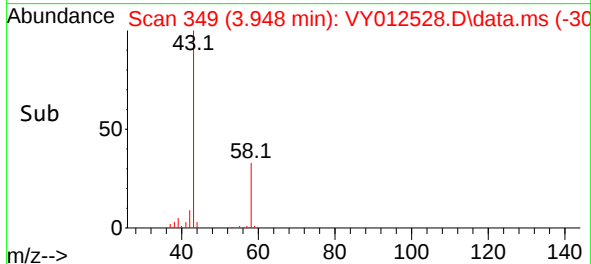
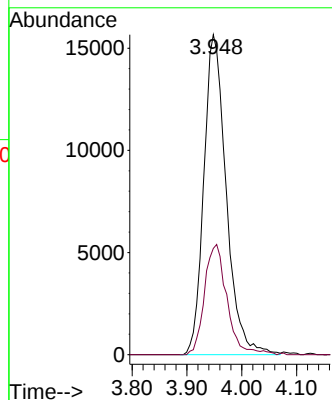
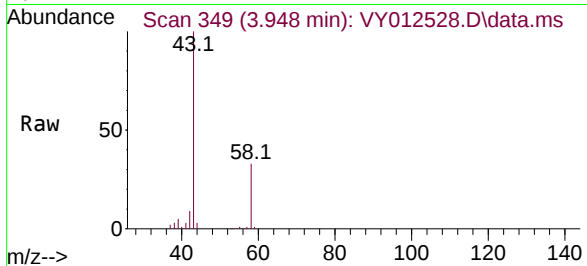
TOT-VOC-GRAB-8

Tgt Ion: 43 Resp: 44368

Ion Ratio Lower Upper

43 100

58 33.2 27.1 40.7



#17

Carbon Disulfide

Concen: 29.810 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY012528.D

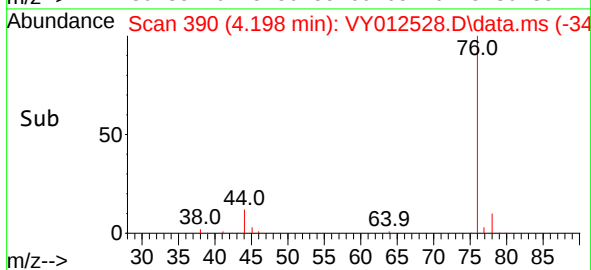
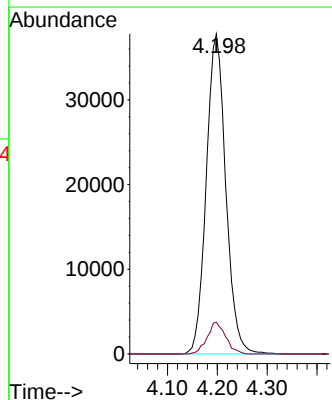
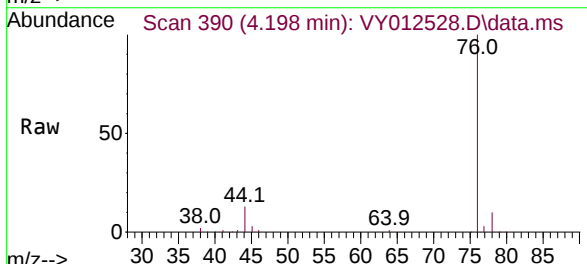
Acq: 07 Feb 2023 18:57

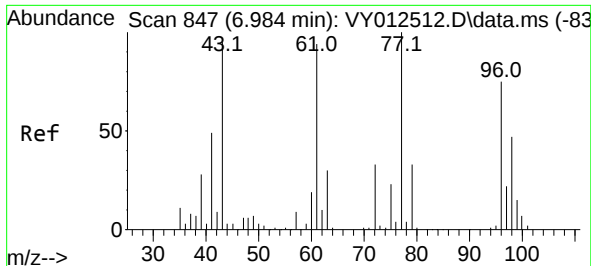
Tgt Ion: 76 Resp: 102682

Ion Ratio Lower Upper

76 100

78 9.9 6.9 10.3





#25

2-Butanone

Concen: 23.983 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

Instrument :

MSVOA_Y

ClientSampleId :

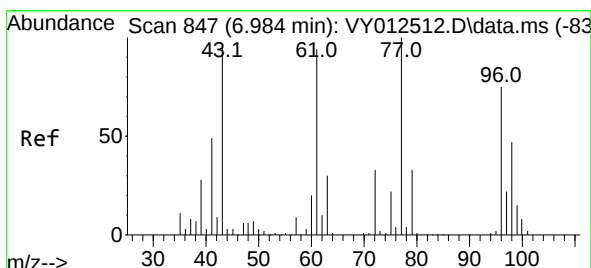
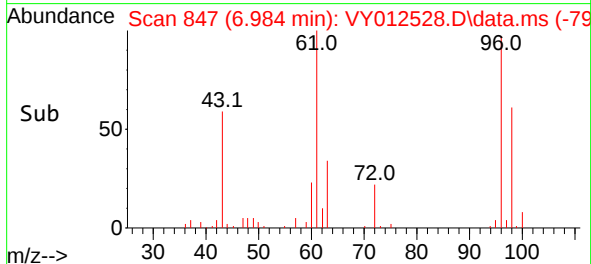
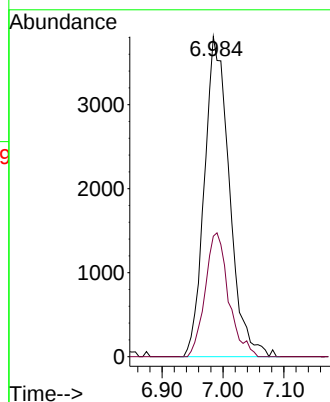
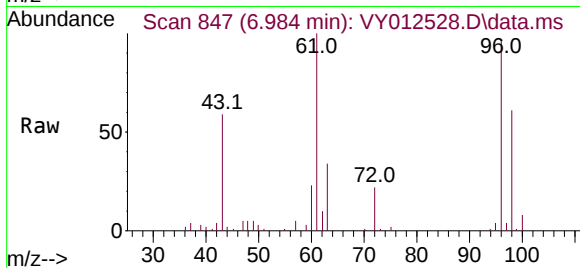
TOT-VOC-GRAB-8

Tgt Ion: 43 Resp: 10864

Ion Ratio Lower Upper

43 100

72 37.7 27.4 41.2



#27

cis-1,2-Dichloroethene

Concen: 10.130 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

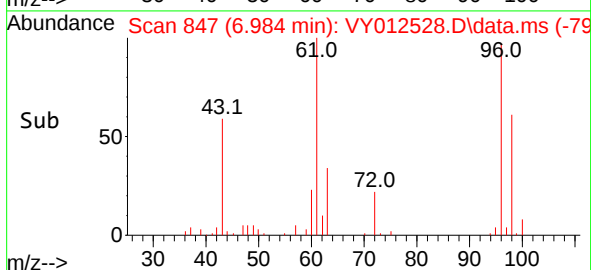
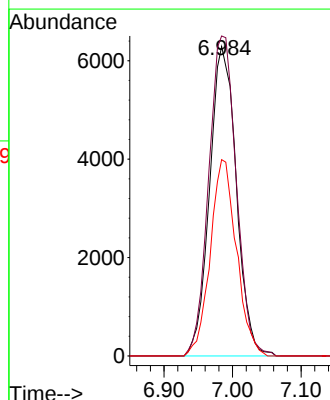
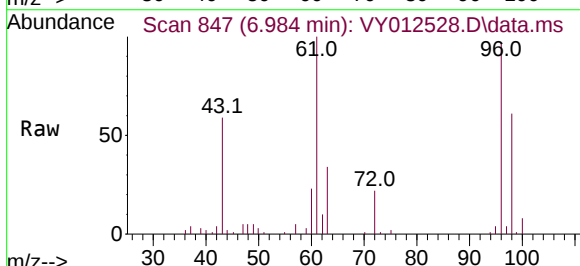
Tgt Ion: 96 Resp: 17025

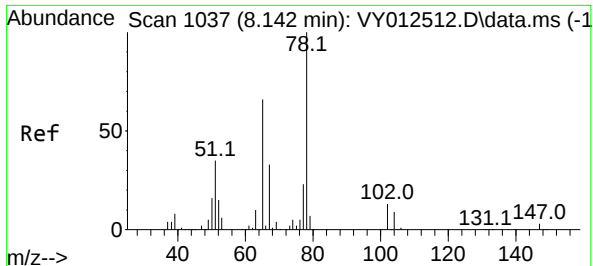
Ion Ratio Lower Upper

96 100

61 106.7 0.0 259.2

98 62.2 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 44.861 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

Instrument :

MSVOA_Y

ClientSampleId :

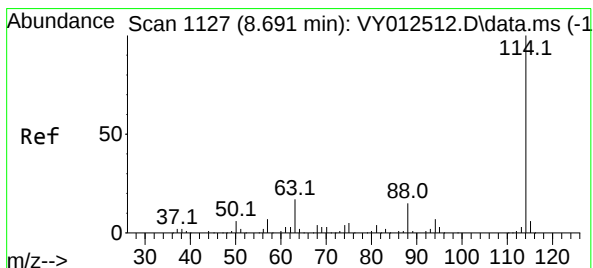
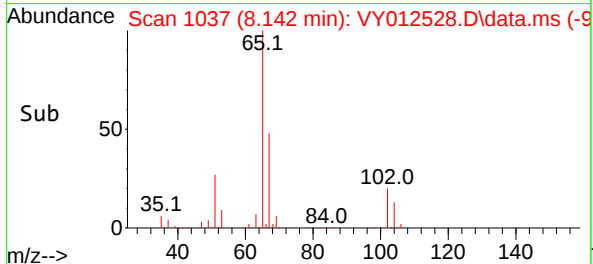
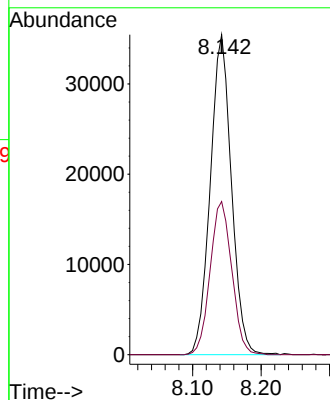
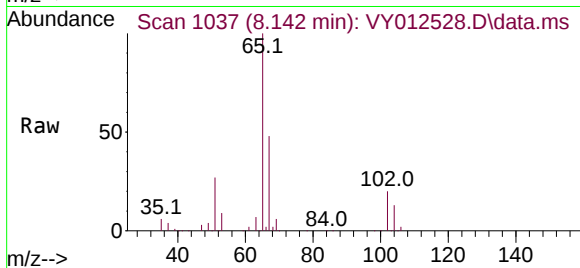
TOT-VOC-GRAB-8

Tgt Ion: 65 Resp: 76098

Ion Ratio Lower Upper

65 100

67 48.9 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

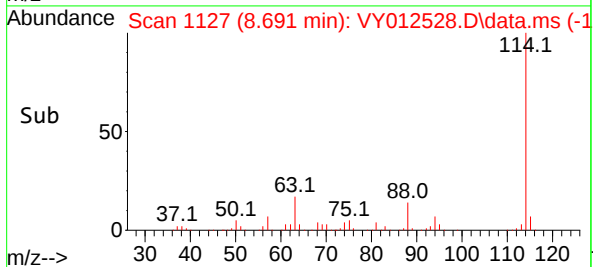
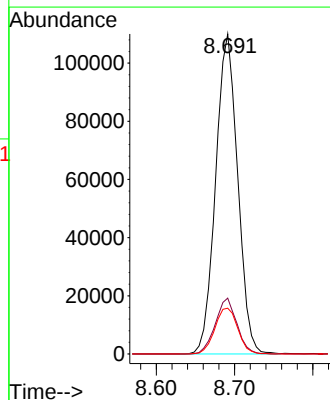
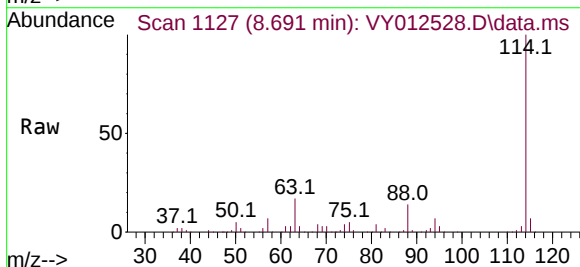
Tgt Ion: 114 Resp: 215159

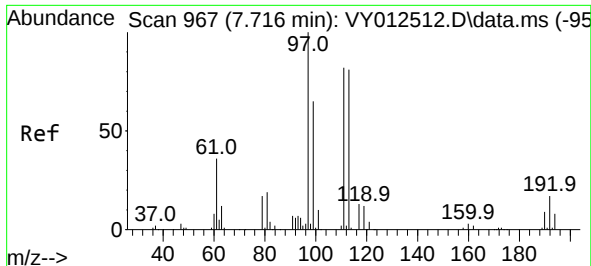
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.6

88 14.3 0.0 29.8

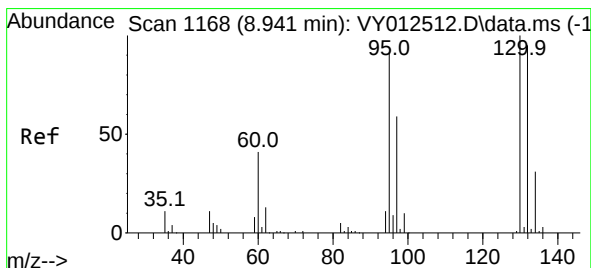
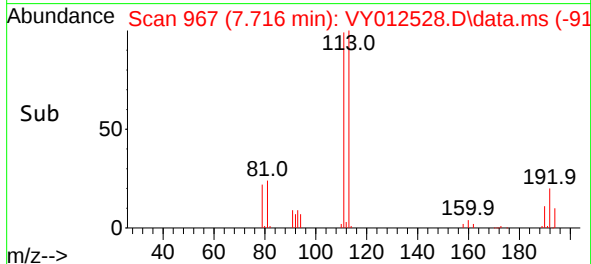
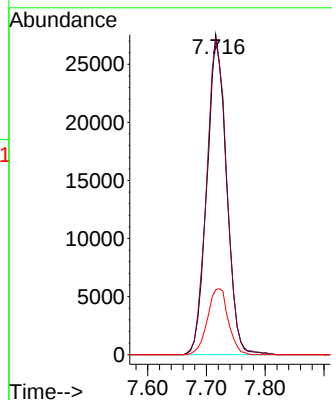
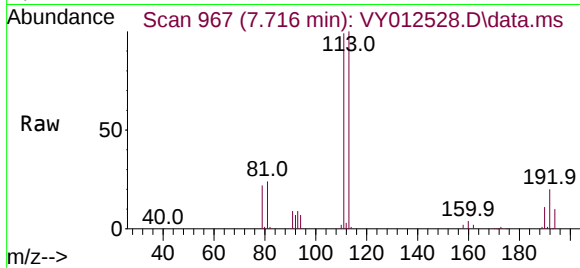




#35
Dibromofluoromethane
Concen: 40.626 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012528.D
Acq: 07 Feb 2023 18:57

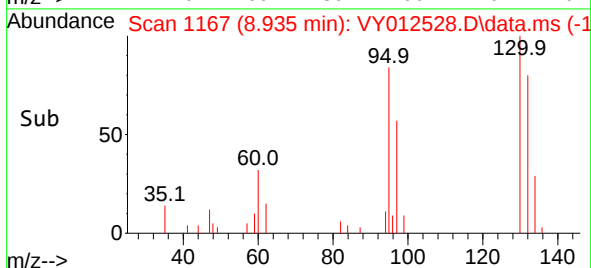
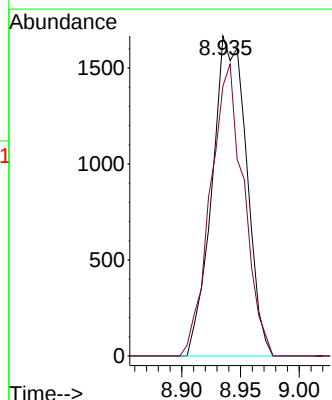
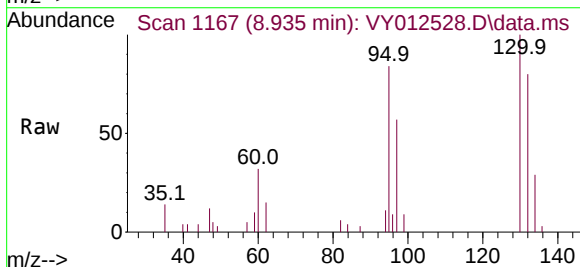
Instrument :
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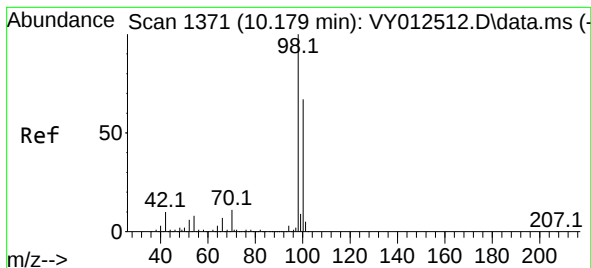
Tgt Ion:113 Resp: 63657
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 21.9 17.5 26.3



#44
Trichloroethene
Concen: 1.776 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VY012528.D
Acq: 07 Feb 2023 18:57

Tgt Ion:130 Resp: 3386
Ion Ratio Lower Upper
130 100
95 84.3 0.0 181.2





#50

Toluene-d8

Concen: 38.520 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

Instrument :

MSVOA_Y

ClientSampleId :

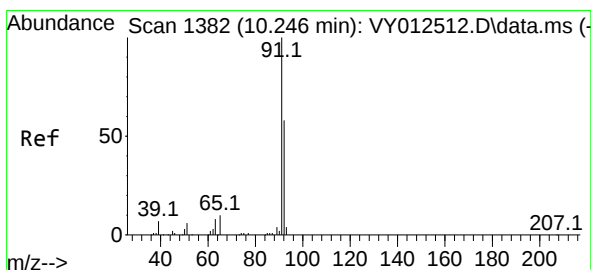
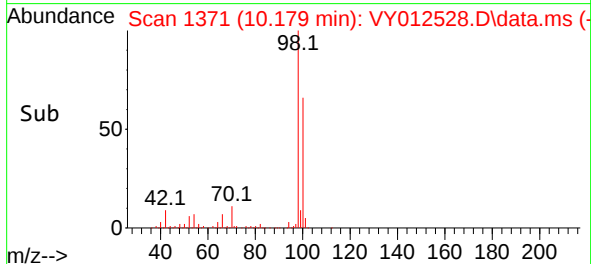
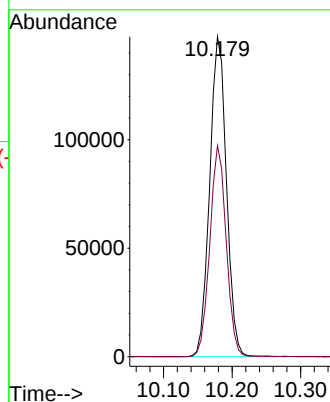
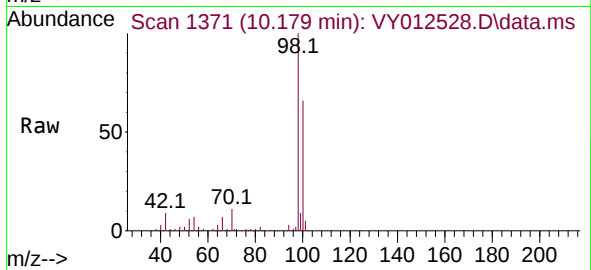
TOT-VOC-GRAB-8

Tgt Ion: 98 Resp: 251225

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



#52

Toluene

Concen: 2.319 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.000 min

Lab File: VY012528.D

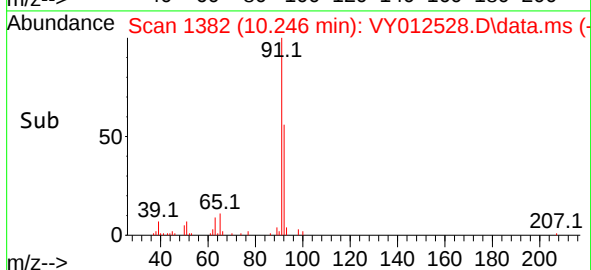
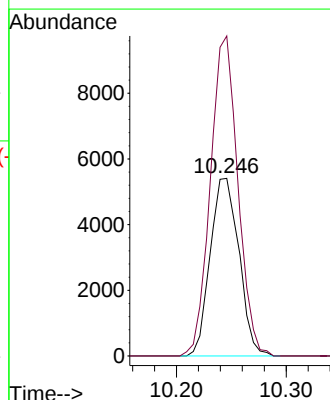
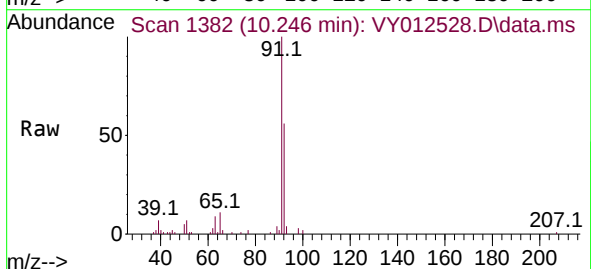
Acq: 07 Feb 2023 18:57

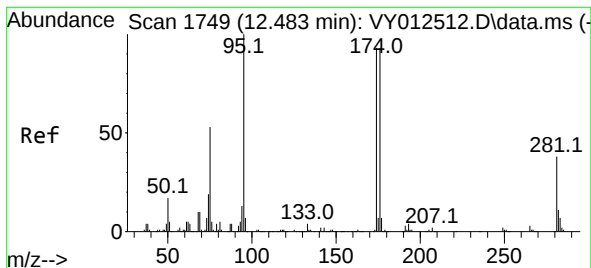
Tgt Ion: 92 Resp: 9852

Ion Ratio Lower Upper

92 100

91 172.4 137.2 205.8

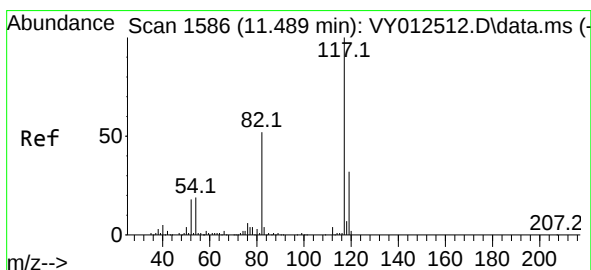
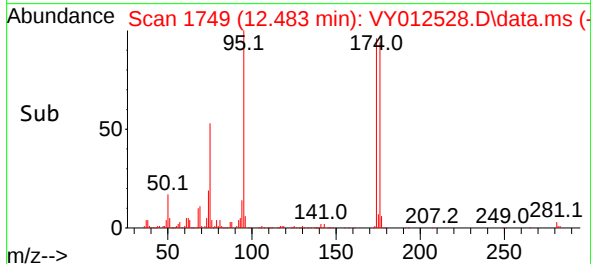
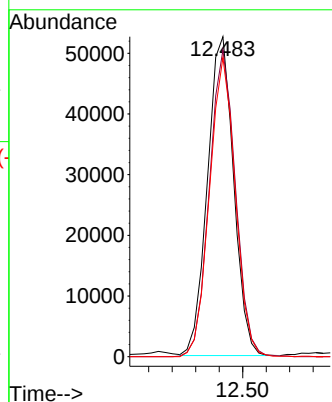
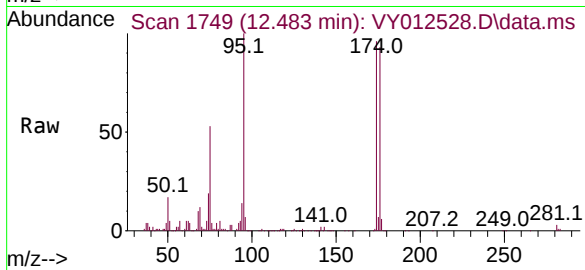




#62
4-Bromofluorobenzene
Concen: 35.687 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012528.D
Acq: 07 Feb 2023 18:57

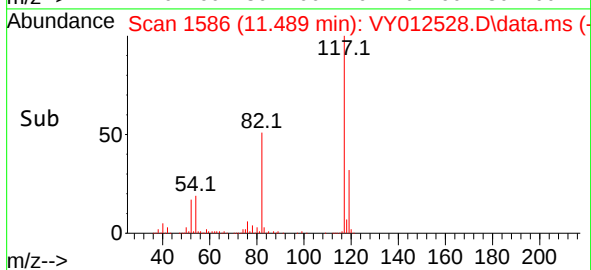
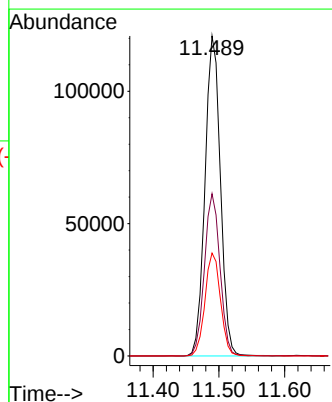
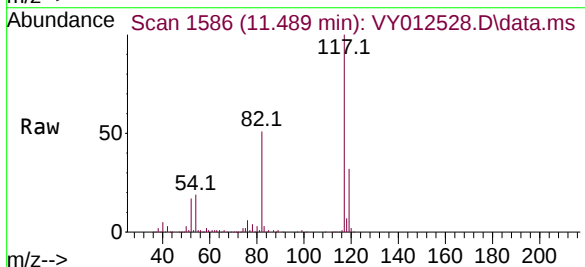
Instrument :
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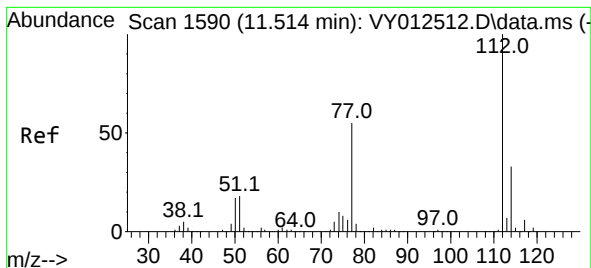
Tgt Ion:	95	Resp:	81184
Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	188.0
176	92.4	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012528.D
Acq: 07 Feb 2023 18:57

Tgt Ion:	117	Resp:	197119
Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.7	62.5
119	32.2	25.8	38.8





#65

Chlorobenzene

Concen: 2.213 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

Instrument :

MSVOA_Y

ClientSampleId :

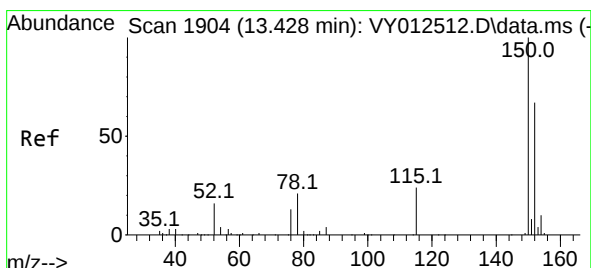
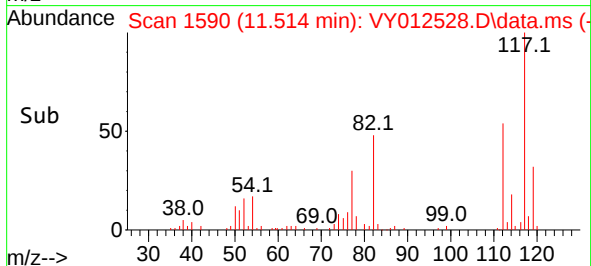
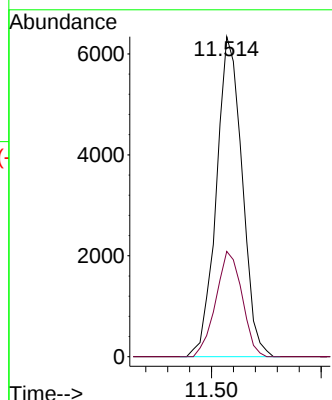
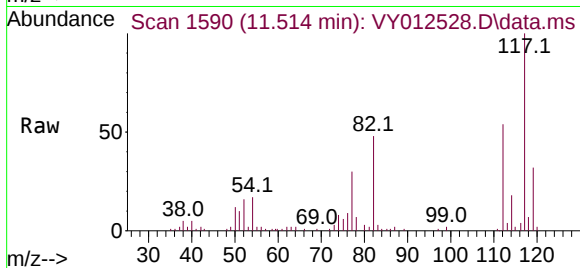
TOT-VOC-GRAB-8

Tgt Ion:112 Resp: 10345

Ion Ratio Lower Upper

112 100

114 32.9 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

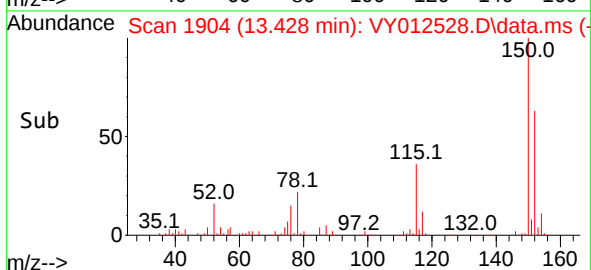
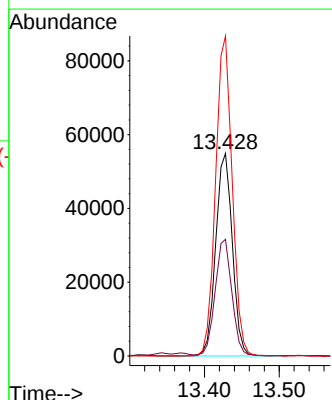
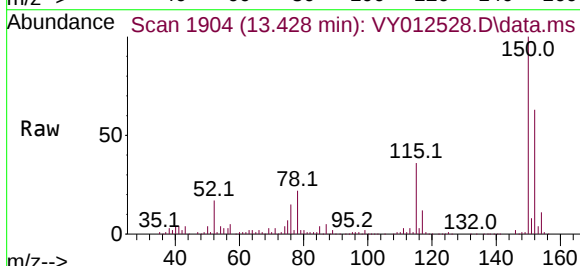
Tgt Ion:152 Resp: 85041

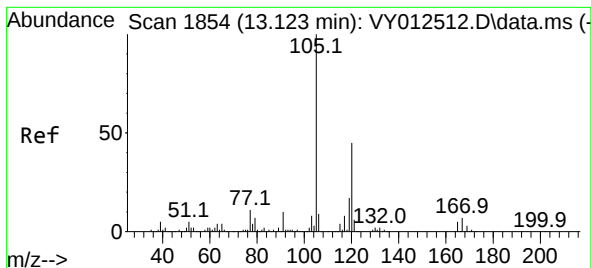
Ion Ratio Lower Upper

152 100

115 58.2 28.1 84.3

150 157.3 0.0 351.0





#84

1,2,4-Trimethylbenzene

Concen: 2.066 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

Instrument :

MSVOA_Y

ClientSampleId :

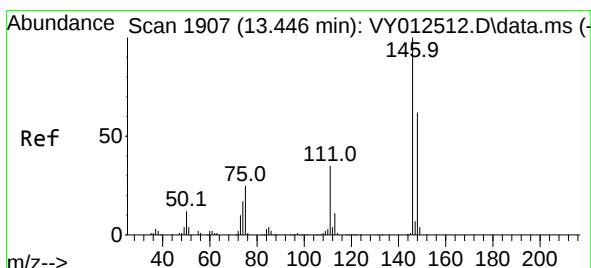
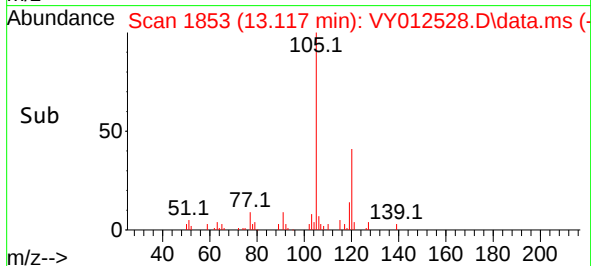
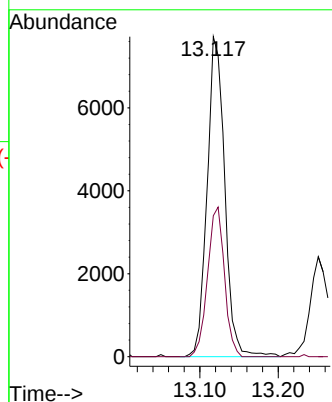
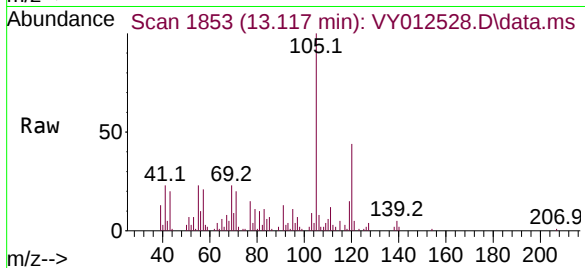
TOT-VOC-GRAB-8

Tgt Ion:105 Resp: 12040

Ion Ratio Lower Upper

105 100

120 44.7 22.8 68.3



#88

1,4-Dichlorobenzene

Concen: 3.681 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY012528.D

Acq: 07 Feb 2023 18:57

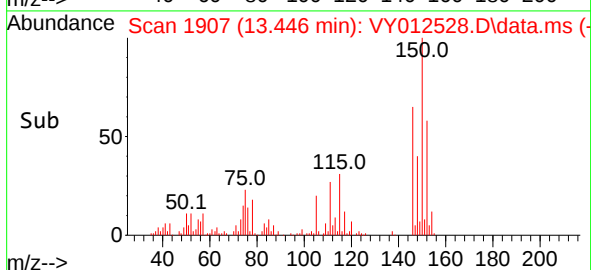
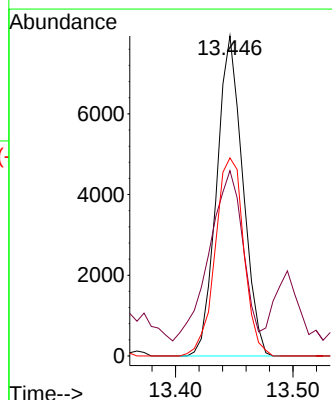
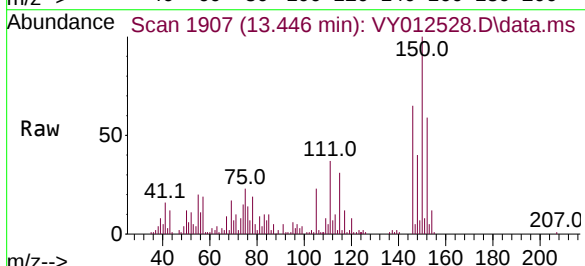
Tgt Ion:146 Resp: 12233

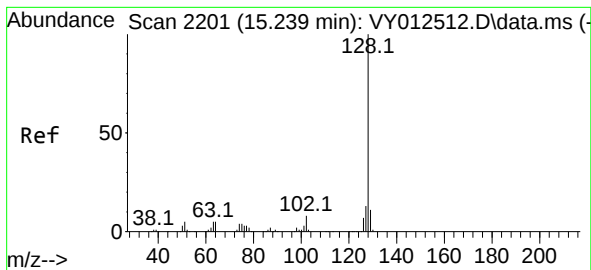
Ion Ratio Lower Upper

146 100

111 67.8 18.4 55.2#

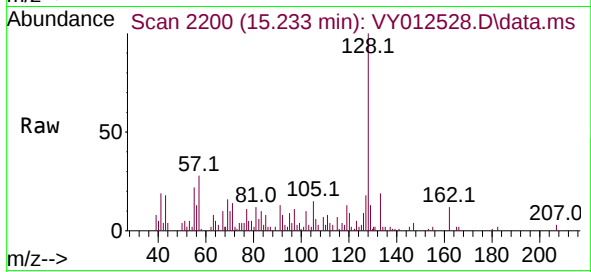
148 68.0 31.6 95.0





#95
Naphthalene
Concen: 2.783 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY012528.D
Acq: 07 Feb 2023 18:57

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8



Tgt Ion:128 Resp: 9880
Ion Ratio Lower Upper
128 100
127 16.0 10.4 15.6#
129 17.0 8.6 12.8#

