

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011161.D
 Acq On : 28 Oct 2022 16:56
 Operator : KP/MD
 Sample : N5316-06
 Misc : 11.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-6-NE-QUARTER

Quant Time: Oct 28 23:46:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

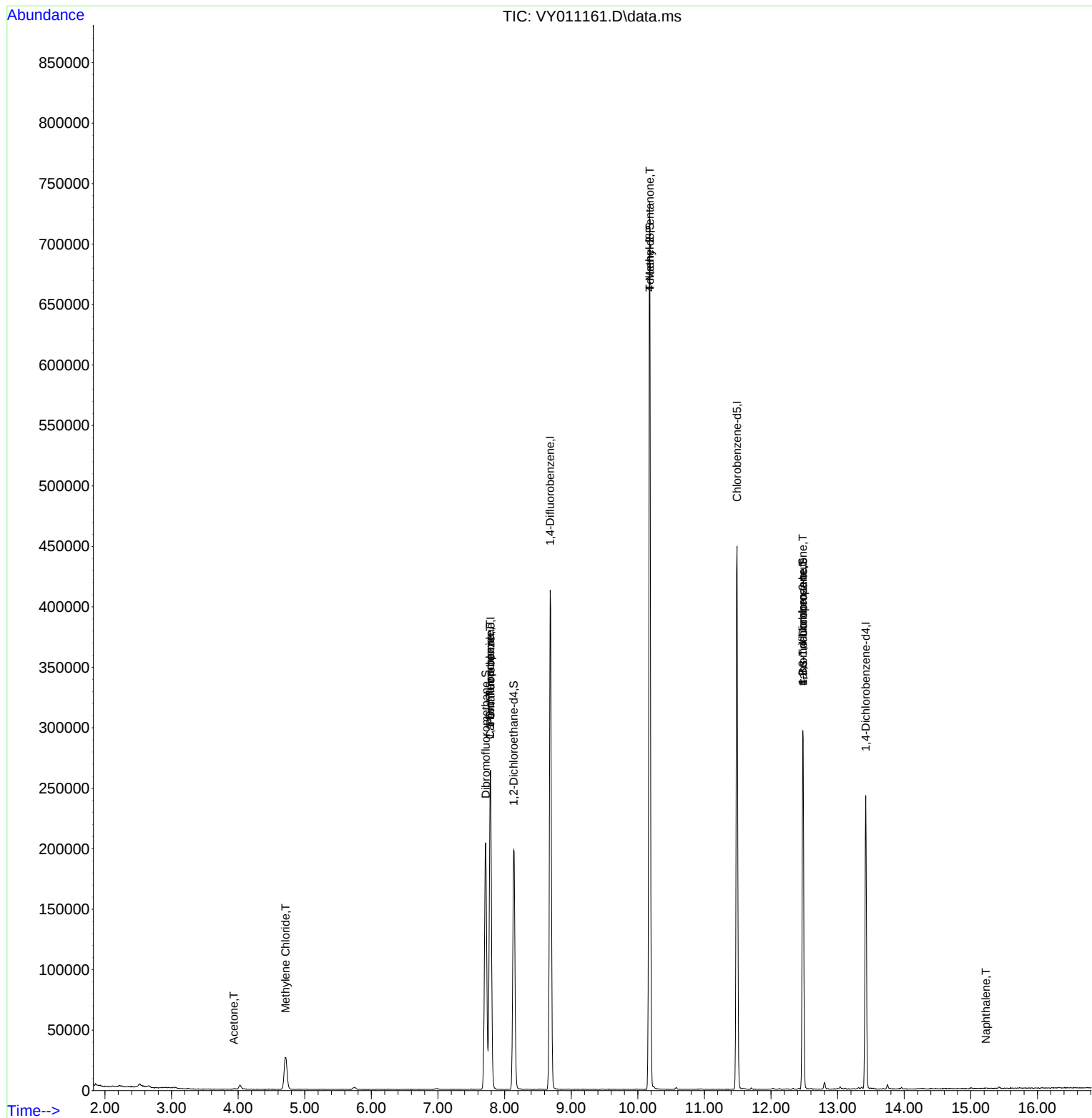
Internal Standards						
1) Pentafluorobenzene	7.789	168	209033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	253312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	158446	73.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.620%	
35) Dibromofluoromethane	7.716	113	146713	66.813	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.620%	
50) Toluene-d8	10.179	98	477444	54.882	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.760%	
62) 4-Bromofluorobenzene	12.477	95	96879	34.034	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 68.060%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.894	85	87	Below Cal	#	43
3) Chloromethane	2.107	50	362	Below Cal		92
4) Vinyl Chloride	2.278	62	22	Below Cal	#	43
5) Bromomethane	2.656	94	482	Below Cal		88
16) Acetone	3.936	43	1110	2.099	ug/l #	85
17) Carbon Disulfide	4.192	76	177	Below Cal	#	75
18) Methyl Acetate	4.479	43	285	Below Cal	#	56
20) Methylene Chloride	4.710	84	22038	3.864	ug/l #	79
31) Cyclohexane	7.783	56	4092	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	15513	5.419	ug/l #	51
38) Carbon Tetrachloride	7.783	117	20738	6.651	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1724	1.059	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	47597	71.619	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47597	152.095	ug/l #	7
95) Naphthalene	15.227	128	399	4.513	ug/l #	76

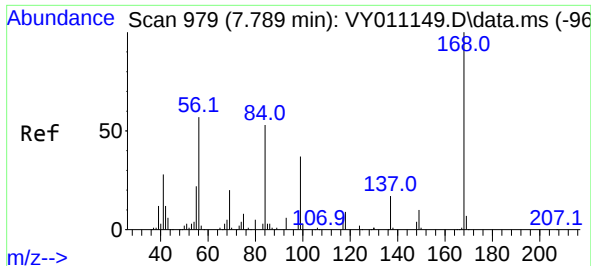
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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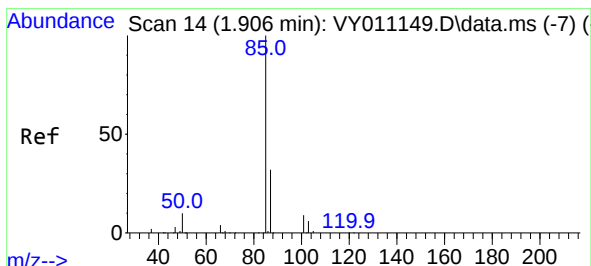
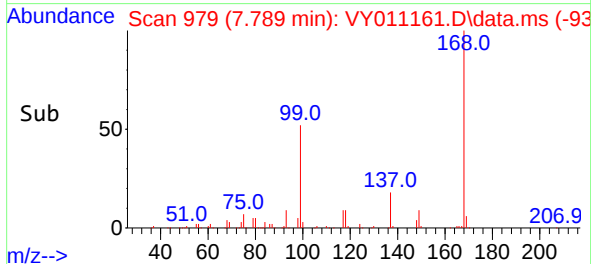
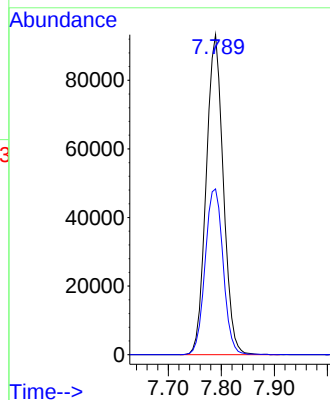
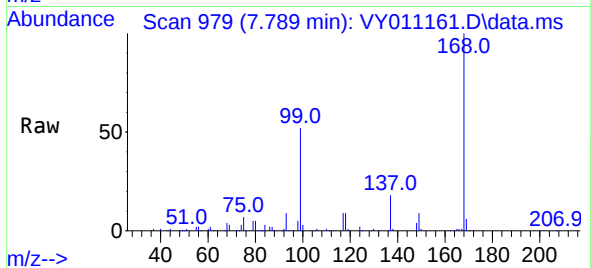




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

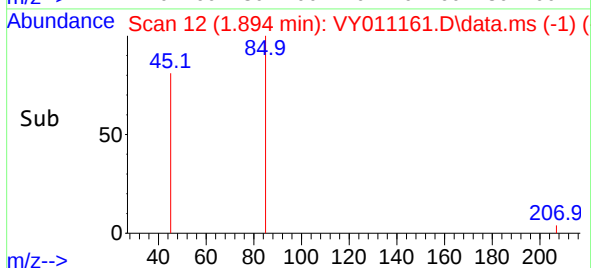
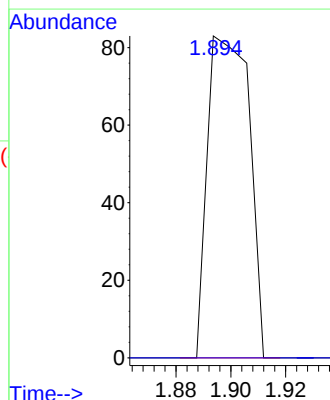
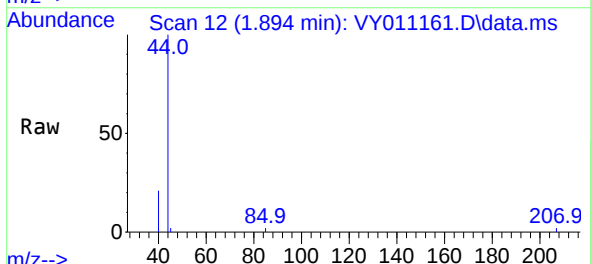
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-6-NE-QUARTER

Tgt Ion:168 Resp: 209033
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3

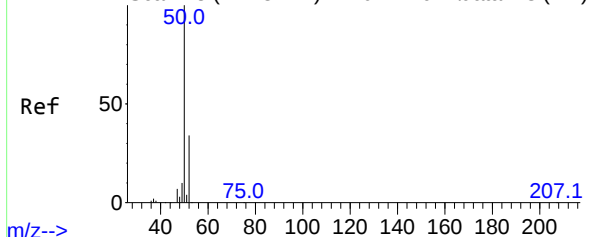


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

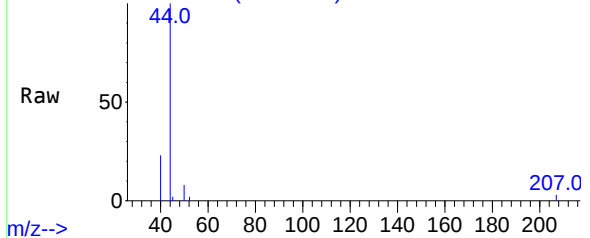
Tgt Ion: 85 Resp: 87
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



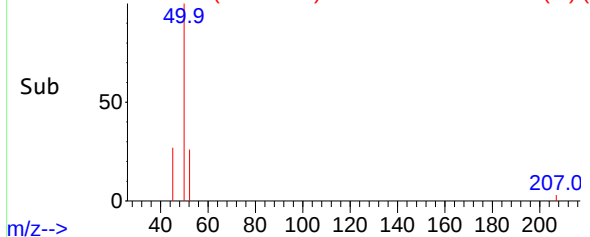
Abundance Scan 48 (2.113 min): VY011149.D\data.ms (-41)



Abundance Scan 47 (2.107 min): VY011161.D\data.ms



Abundance Scan 47 (2.107 min): VY011161.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011161.D

Acq: 28 Oct 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-6-NE-QUARTER

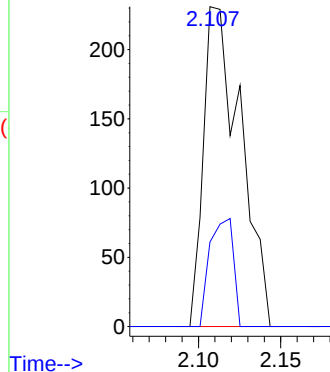
Tgt Ion: 50 Resp: 362

Ion Ratio Lower Upper

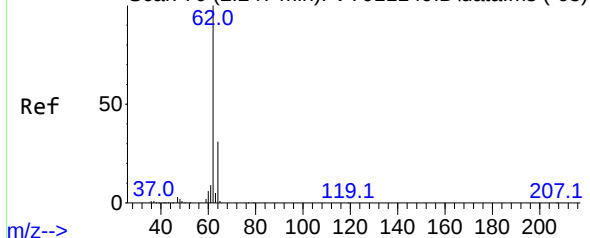
50 100

52 26.4 24.6 37.0

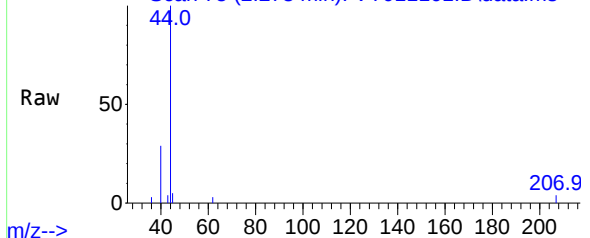
Abundance



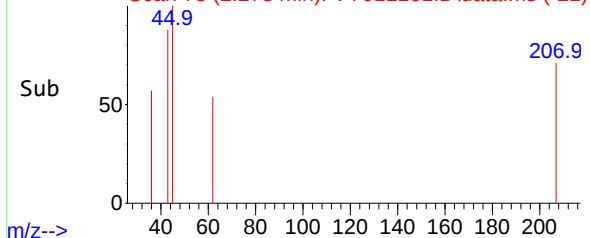
Abundance Scan 70 (2.247 min): VY011149.D\data.ms (-63)



Abundance Scan 75 (2.278 min): VY011161.D\data.ms



Abundance Scan 75 (2.278 min): VY011161.D\data.ms (-21)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.278 min Scan# 75

Delta R.T. 0.031 min

Lab File: VY011161.D

Acq: 28 Oct 2022 16:56

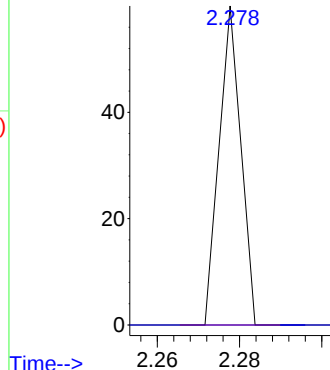
Tgt Ion: 62 Resp: 22

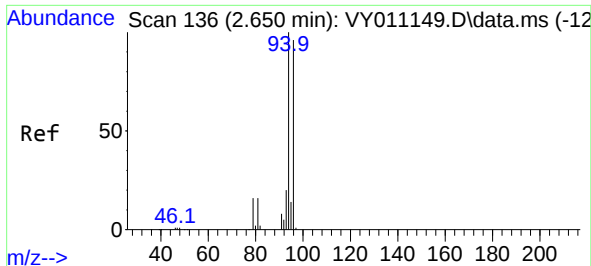
Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

Abundance

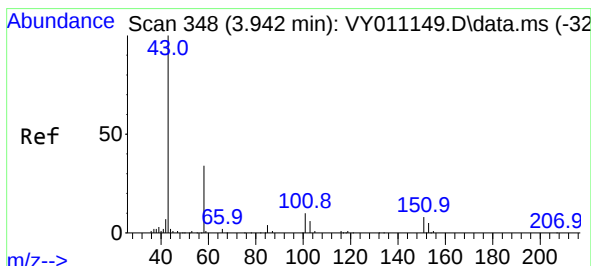
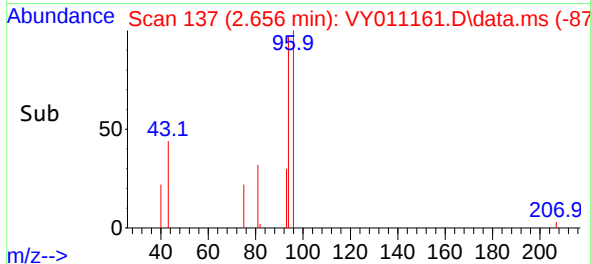
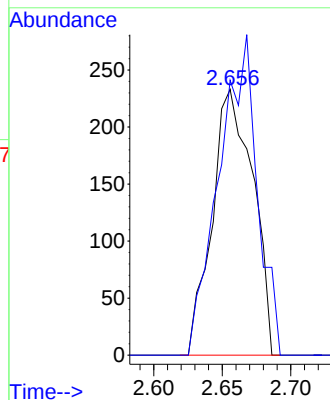
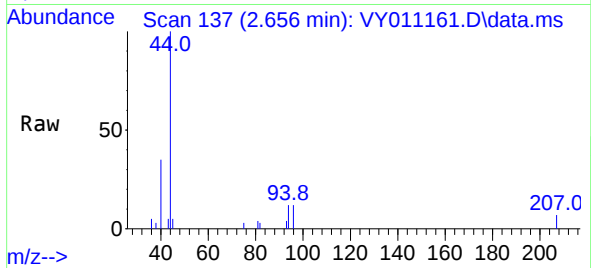




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

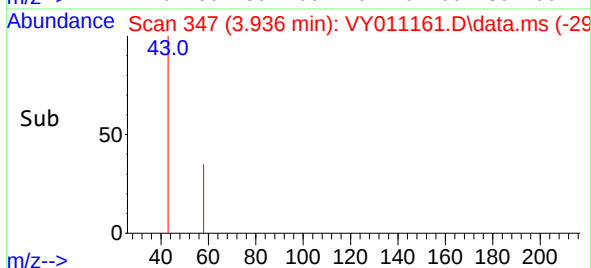
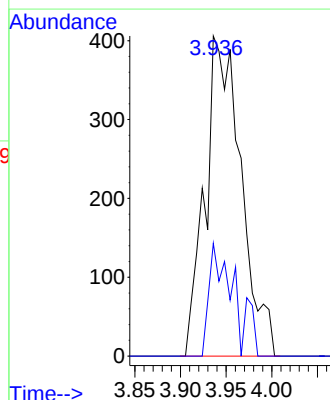
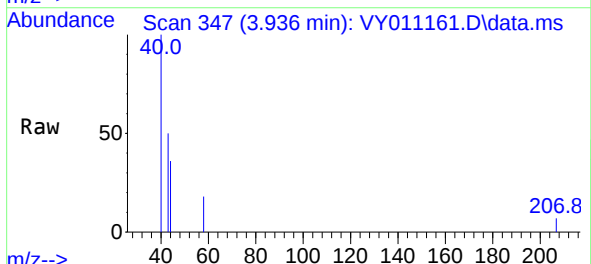
Instrument :
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ClientSampleId :
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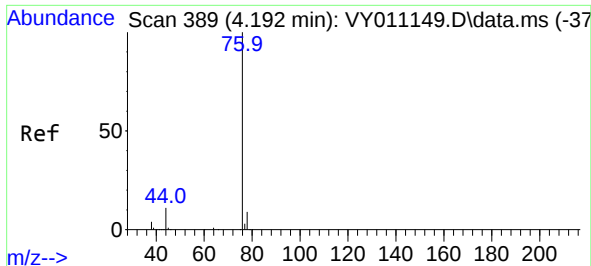
Tgt Ion: 94 Resp: 482
Ion Ratio Lower Upper
94 100
96 103.4 73.5 110.3



#16
Acetone
Concen: 2.099 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 35.2 22.0 33.0#

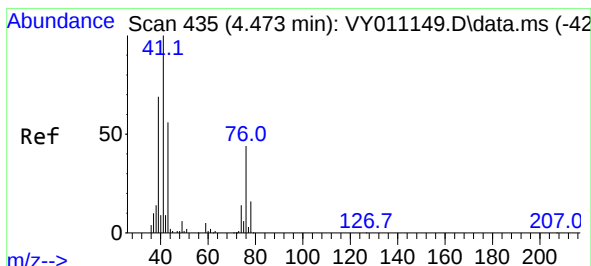
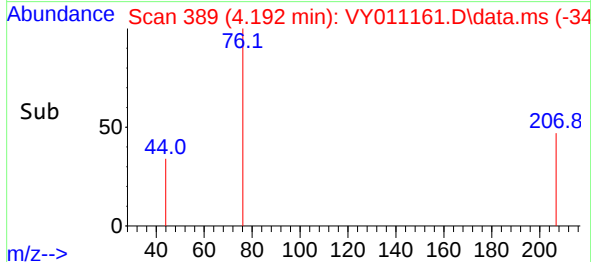
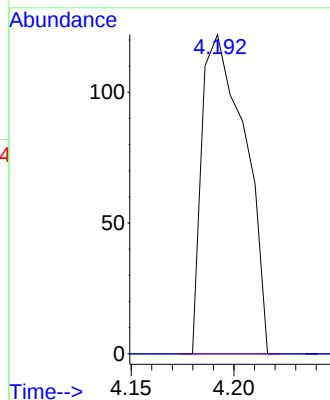
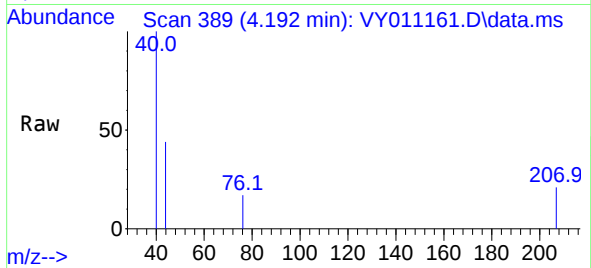




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

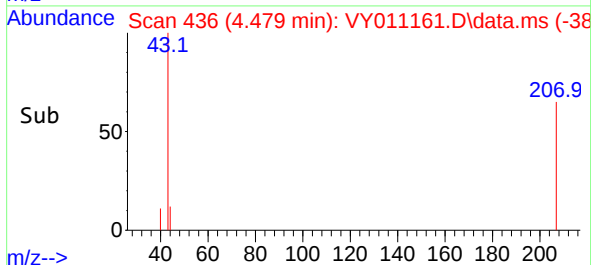
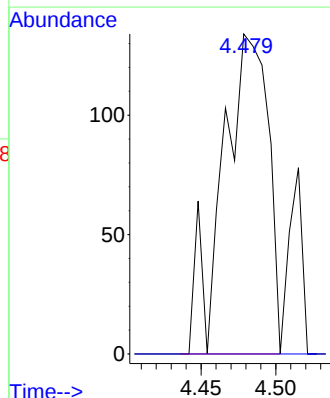
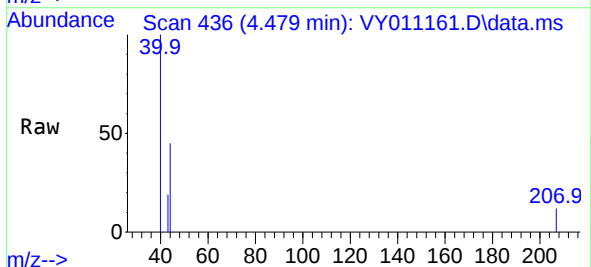
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-6-NE-QUARTER

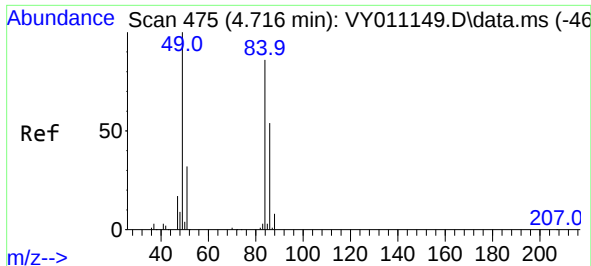
Tgt Ion: 76 Resp: 177
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

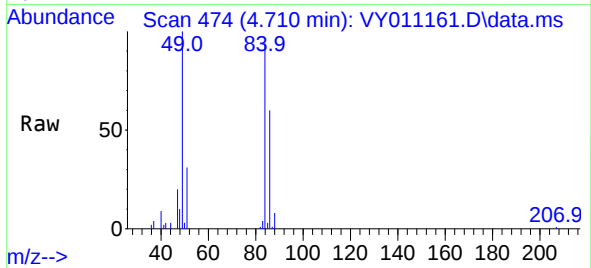
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



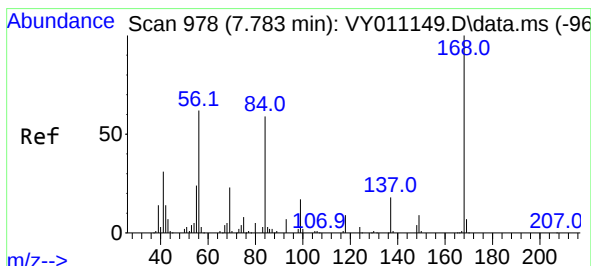
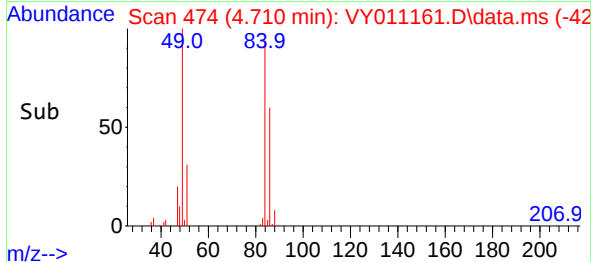
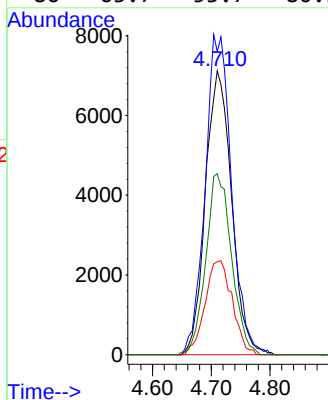


#20
Methylene Chloride
Concen: 3.864 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-6-NE-QUARTER

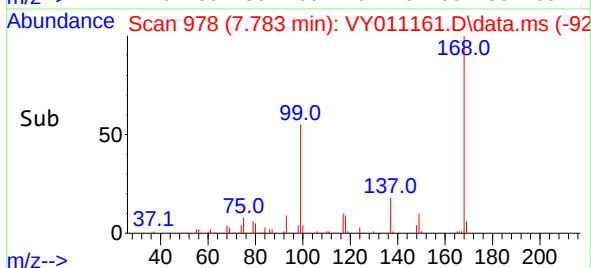
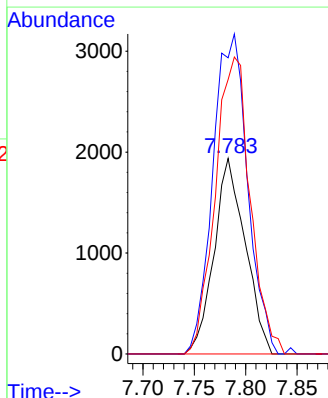
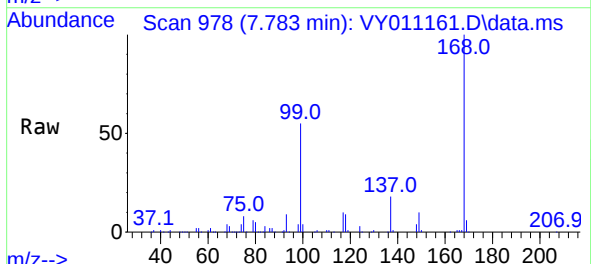


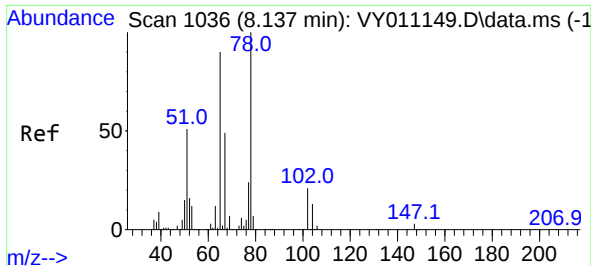
Tgt Ion: 84 Resp: 22038
Ion Ratio Lower Upper
84 100
49 106.9 114.4 171.6#
51 32.8 35.3 52.9#
86 63.7 53.7 80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

Tgt Ion: 56 Resp: 4092
Ion Ratio Lower Upper
56 100
69 151.4 26.7 40.1#
84 140.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 73.306 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY011161.D

Acq: 28 Oct 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

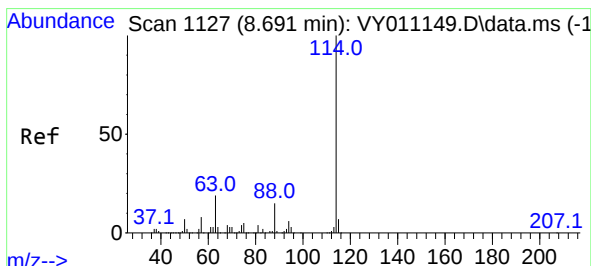
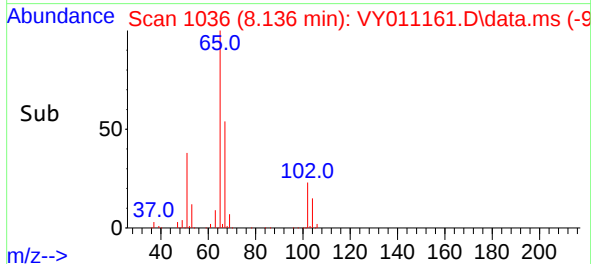
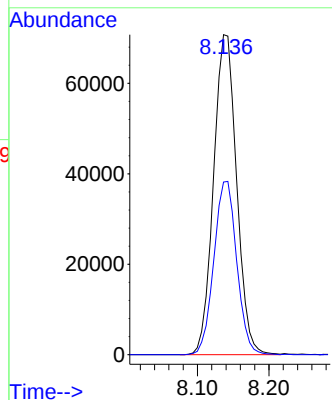
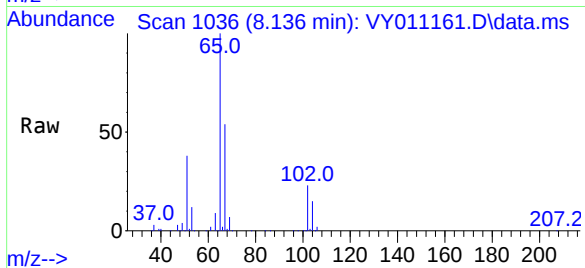
TOTAL-VOC-GRAB-6-NE-QUARTER

Tgt Ion: 65 Resp: 158446

Ion Ratio Lower Upper

65 100

67 53.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011161.D

Acq: 28 Oct 2022 16:56

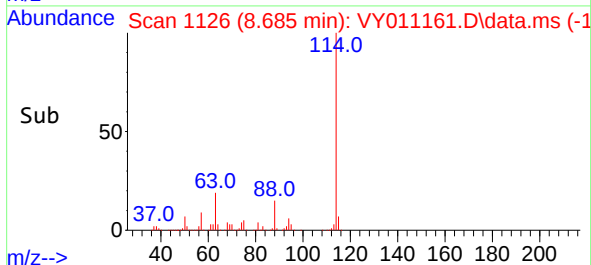
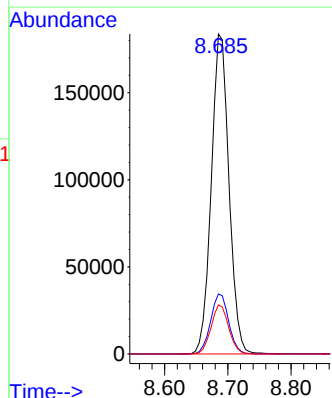
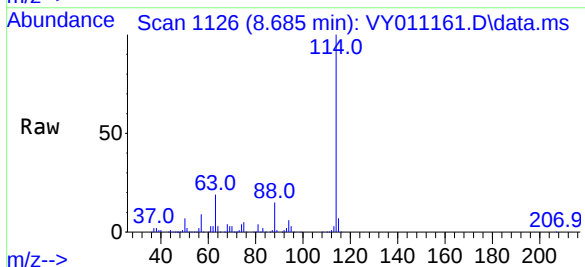
Tgt Ion: 114 Resp: 357076

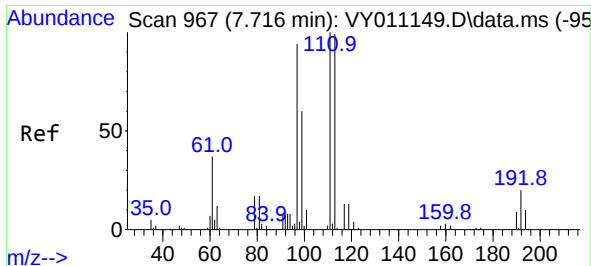
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.3 0.0 31.8

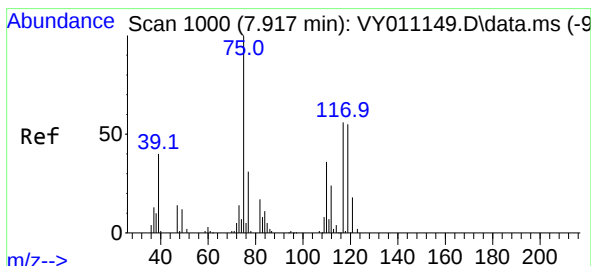
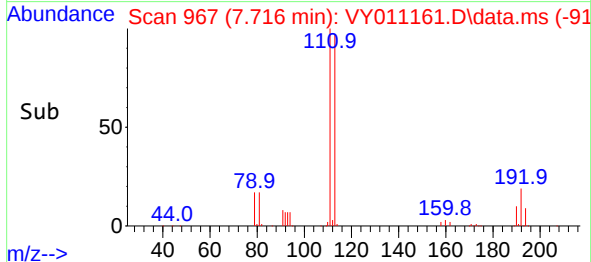
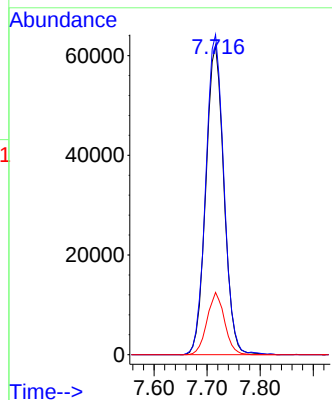
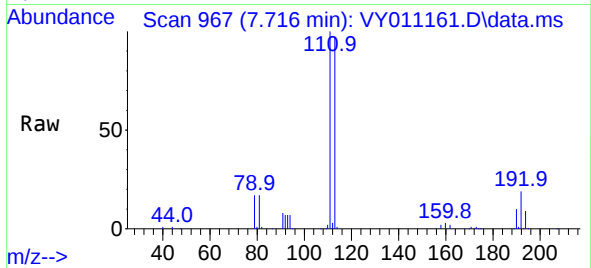




#35
Dibromofluoromethane
Concen: 66.813 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

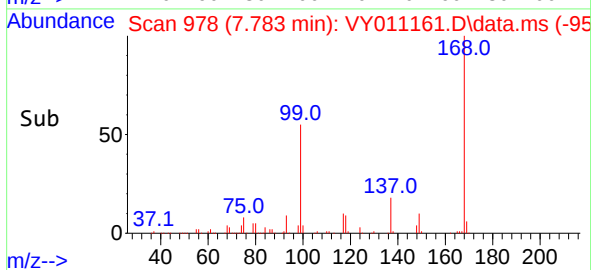
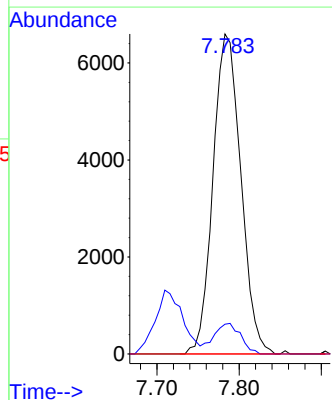
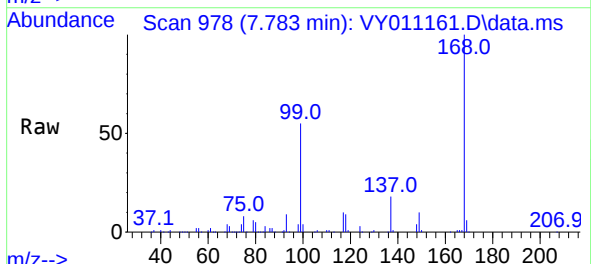
Instrument :
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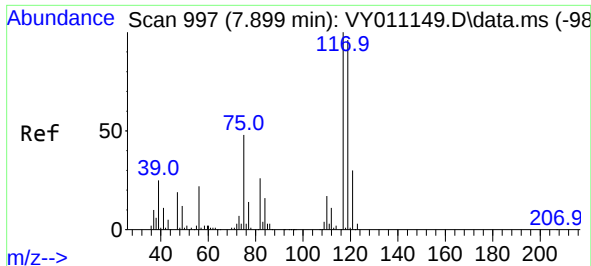
Tgt Ion:113 Resp: 146713
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.419 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

Tgt Ion: 75 Resp: 15513
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#

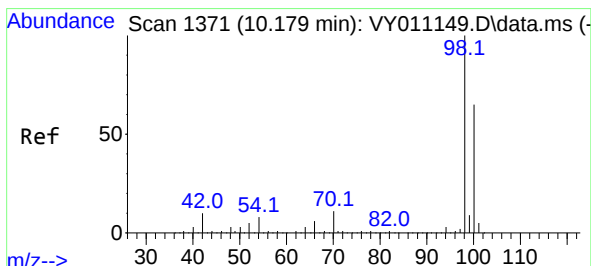
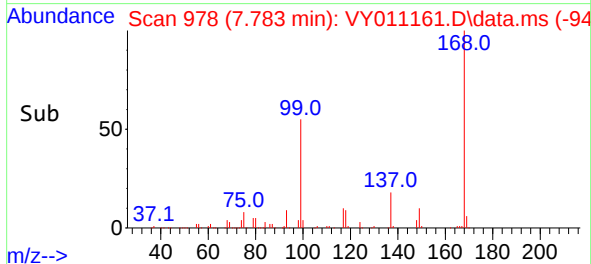
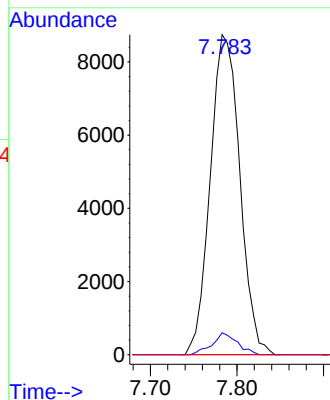
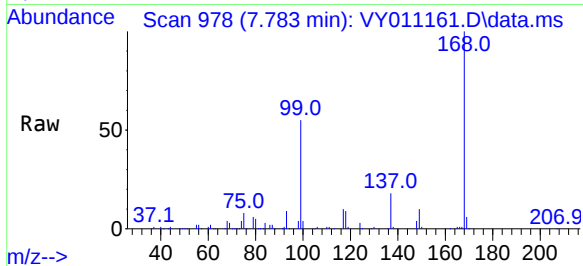




#38
Carbon Tetrachloride
Concen: 6.651 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

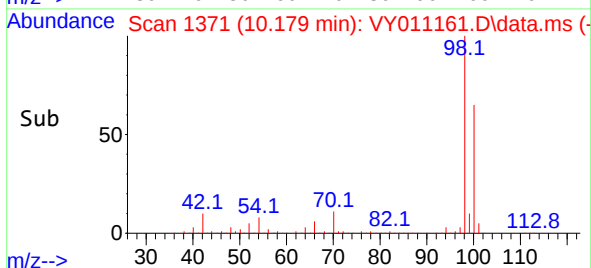
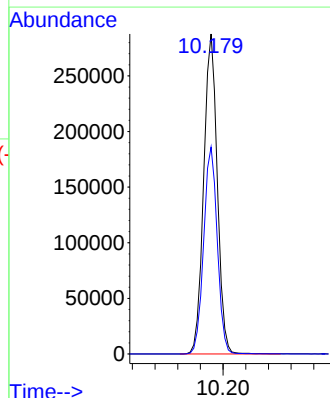
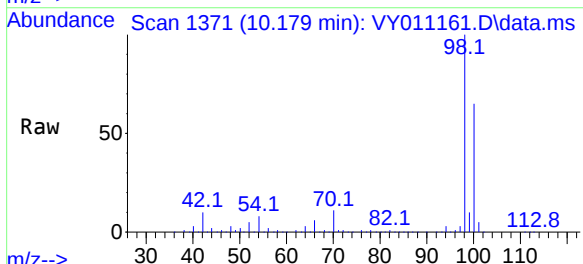
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-6-NE-QUARTER

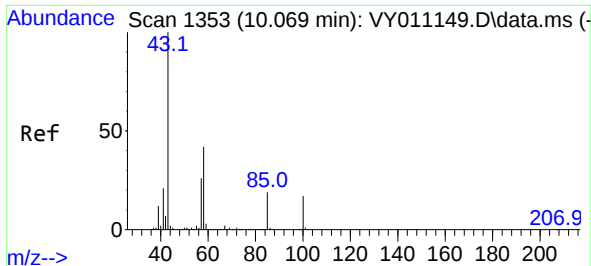
Tgt Ion:117 Resp: 20738
Ion Ratio Lower Upper
117 100
119 6.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.882 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

Tgt Ion: 98 Resp: 477444
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 1.059 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY011161.D

Acq: 28 Oct 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

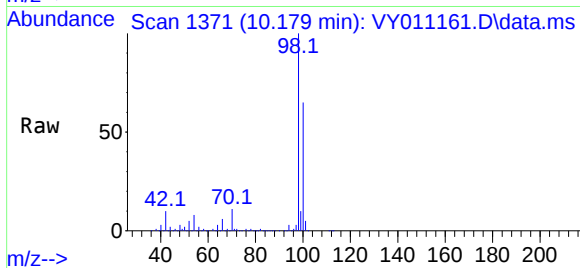
TOTAL-VOC-GRAB-6-NE-QUARTER

Tgt Ion: 43 Resp: 1724

Ion Ratio Lower Upper

43 100

58 203.8 28.1 42.1#



Abundance

2000

1500

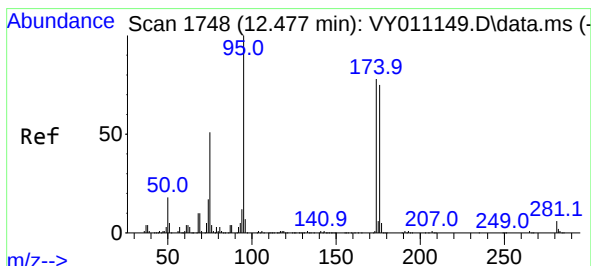
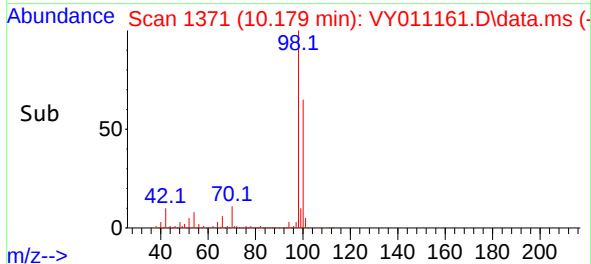
1000

500

0

10.179

Time-->



#62

4-Bromofluorobenzene

Concen: 34.034 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY011161.D

Acq: 28 Oct 2022 16:56

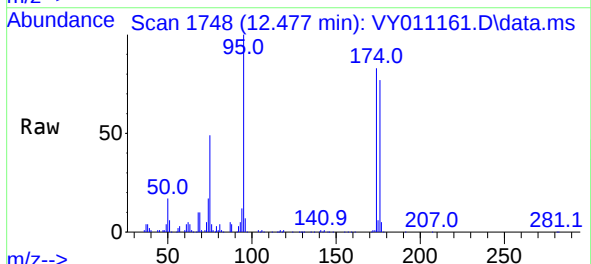
Tgt Ion: 95 Resp: 96879

Ion Ratio Lower Upper

95 100

174 85.4 0.0 177.0

176 81.1 0.0 175.8



Abundance

60000

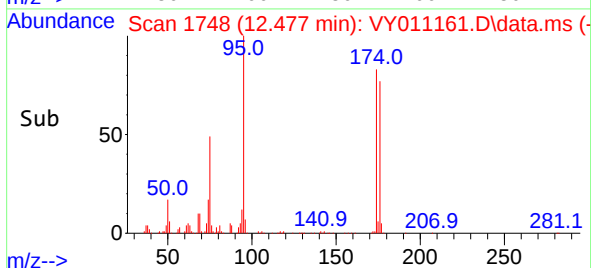
40000

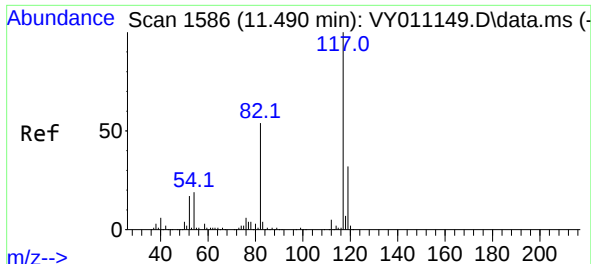
20000

0

12.477

Time-->

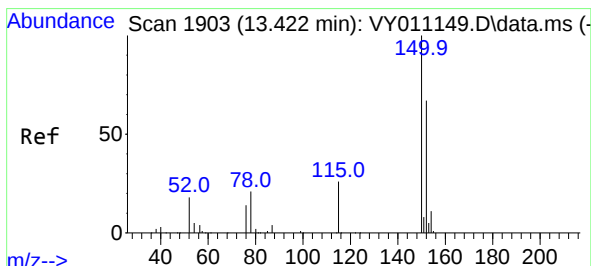
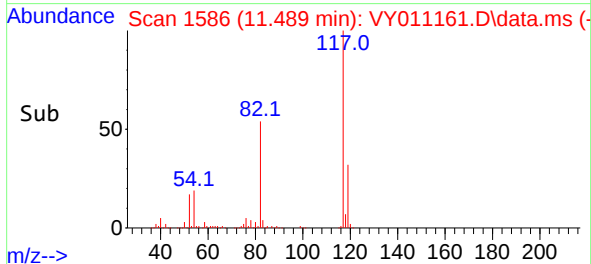
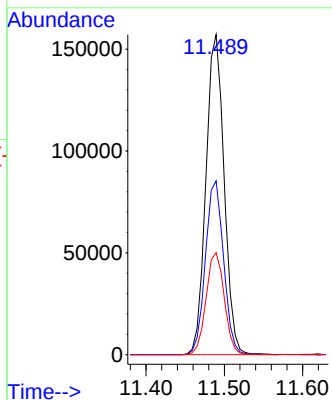
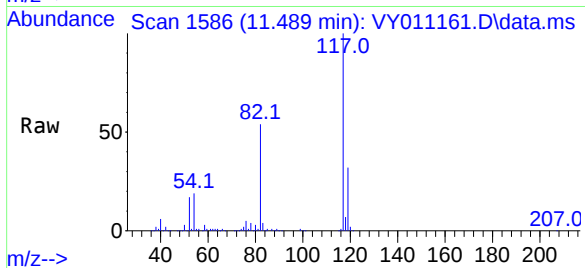




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

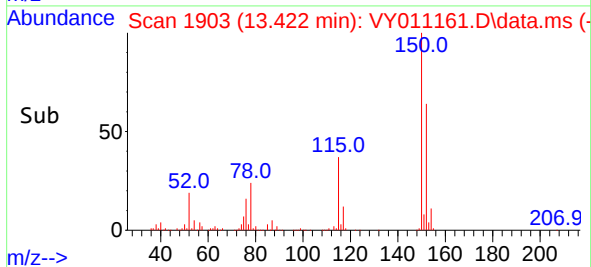
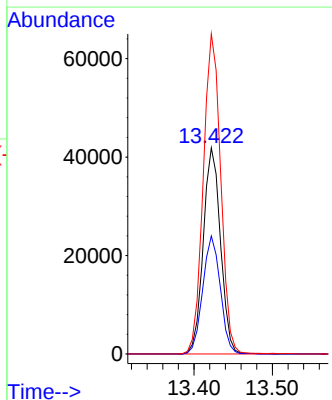
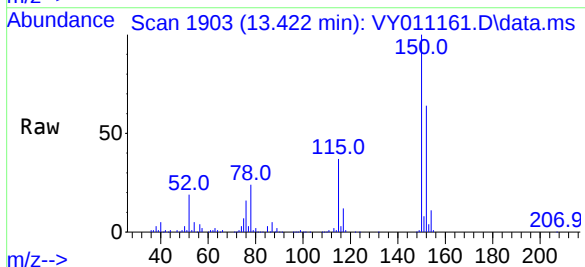
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-6-NE-QUARTER

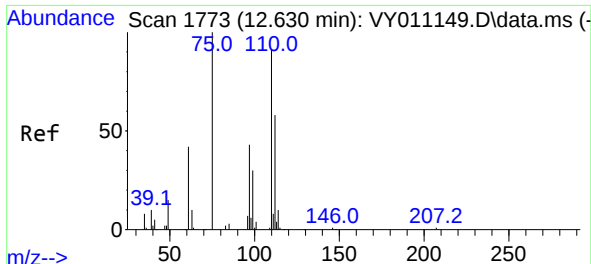
Tgt Ion:117 Resp: 253312
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

Tgt Ion:152 Resp: 63923
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 157.4 0.0 347.6

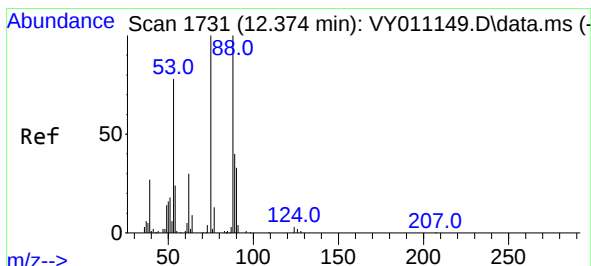
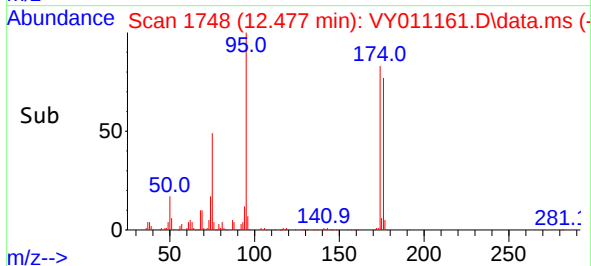
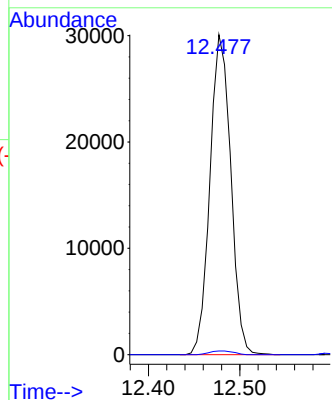
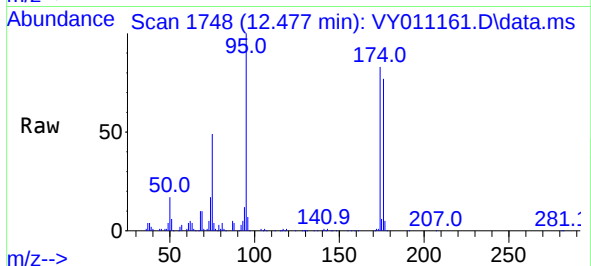




#76
1,2,3-Trichloropropane
Concen: 71.619 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

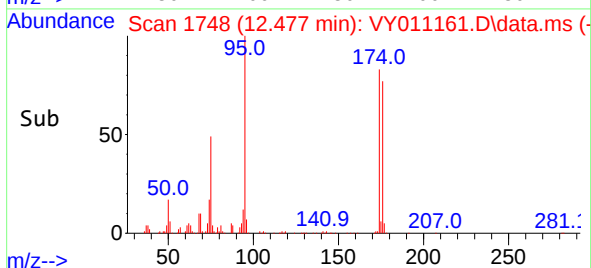
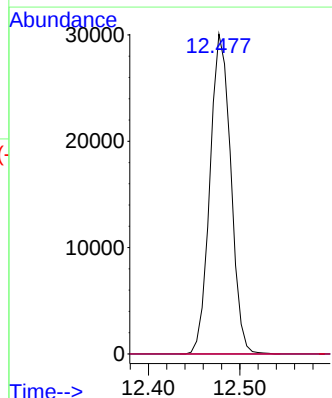
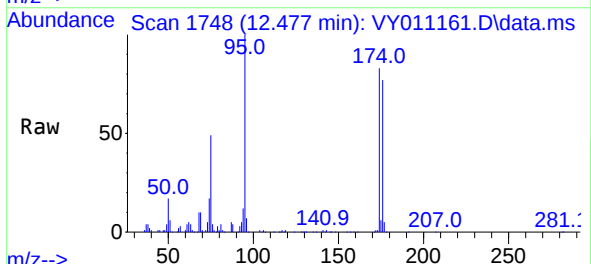
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-GRAB-6-NE-QUARTER

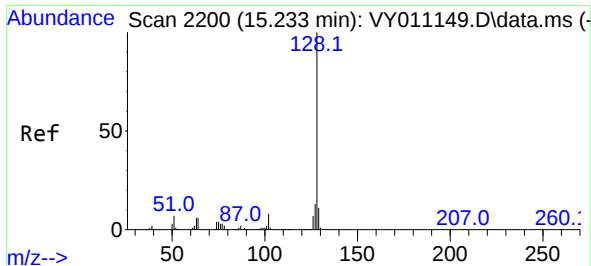
Tgt Ion: 75 Resp: 47597
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.095 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011161.D
Acq: 28 Oct 2022 16:56

Tgt Ion: 75 Resp: 47597
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.513 ug/l

RT: 15.227 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011161.D

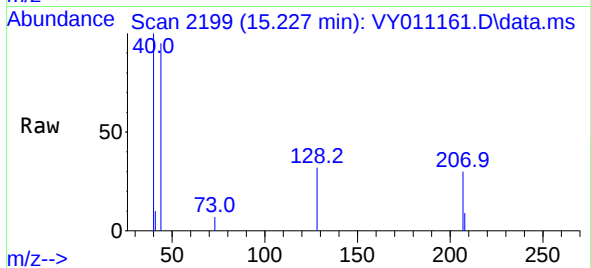
Acq: 28 Oct 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-6-NE-QUARTER



Tgt Ion:	128	Resp:	399
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	6.5	8.4	12.6#

