

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012782.D
 Acq On : 03 Mar 2023 00:11
 Operator : KP/MD
 Sample : 01740-05
 Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Mar 03 02:03:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

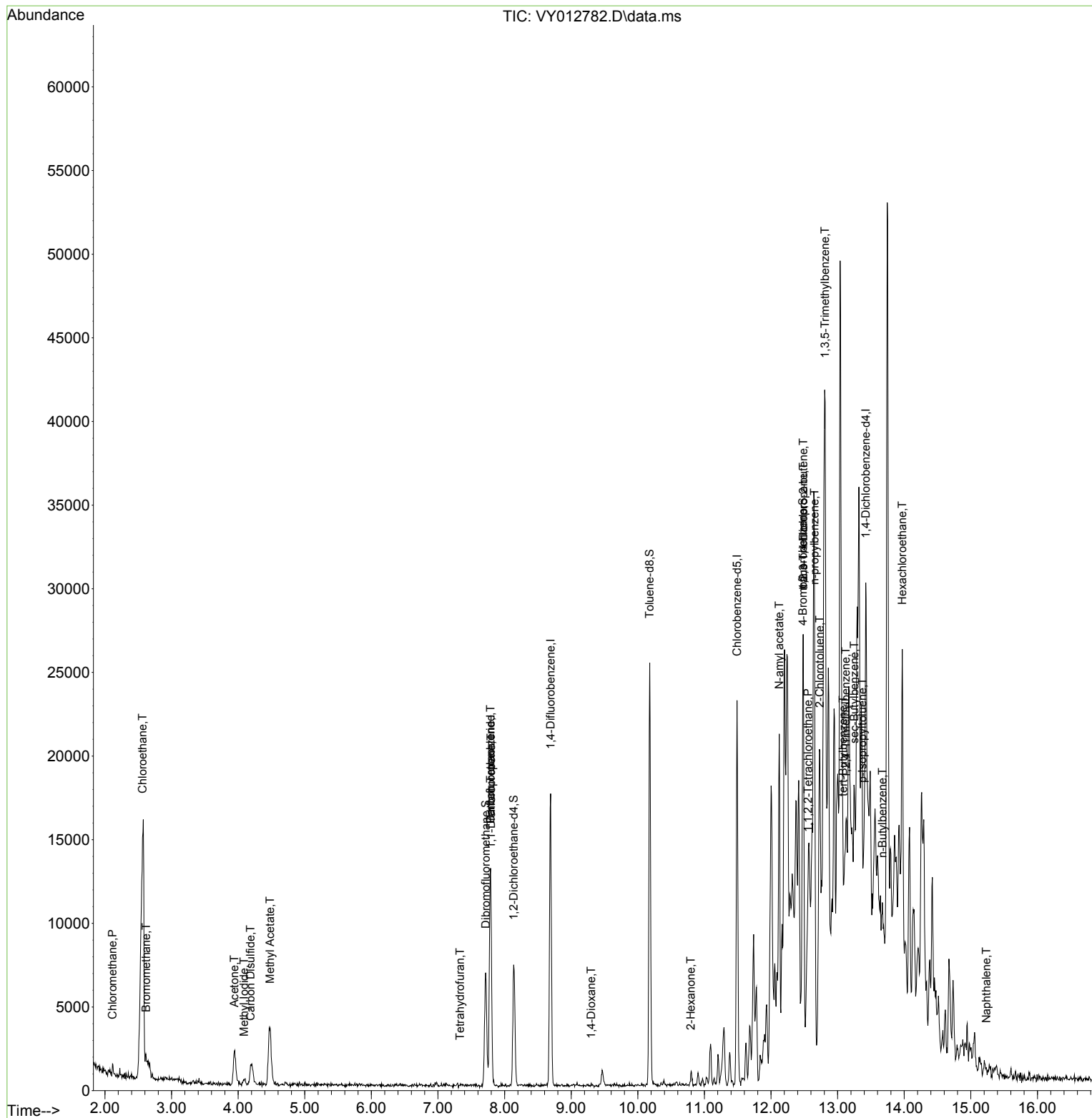
Internal Standards						
1) Pentafluorobenzene	7.789	168	10777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	14558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5825	54.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.880%			
35) Dibromofluoromethane	7.716	113	4925	56.057	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.120%			
50) Toluene-d8	10.179	98	16616	51.733	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.477	95	6059	55.890	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.780%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	507	3.992	ug/l #	73
5) Bromomethane	2.619	94	167	2.360	ug/l #	67
6) Chloroethane	2.564	64	274	3.929	ug/l #	60
10) Methyl Iodide	4.088	142	315	2.078	ug/l #	57
11) Tert butyl alcohol	4.924	59	31	Below Cal	#	74
16) Acetone	3.942	43	3982	94.812	ug/l #	85
17) Carbon Disulfide	4.186	76	1059	2.803	ug/l #	75
18) Methyl Acetate	4.479	43	7220	57.727	ug/l	99
20) Methylene Chloride	4.710	84	19	Below Cal	#	38
29) Tetrahydrofuran	7.332	42	41	1.307	ug/l #	36
36) 1,1-Dichloropropene	7.795	75	708	4.809	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1036	6.814	ug/l #	12
49) 1,4-Dioxane	9.301	88	49	63.212	ug/l #	23
59) 2-Hexanone	10.794	43	444	6.803	ug/l #	26
74) N-amyl acetate	12.124	43	3379	27.103	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.556	83	608	6.826	ug/l #	43
76) 1,2,3-Trichloropropane	12.483	75	3047	45.637	ug/l #	100
78) n-propylbenzene	12.654	91	579	1.185	ug/l #	52
79) 2-Chlorotoluene	12.733	91	683	2.516	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.812	105	823	2.517	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.483	75	3047	94.562	ug/l #	14
83) tert-Butylbenzene	13.081	119	442	1.566	ug/l	74
84) 1,2,4-Trimethylbenzene	13.123	105	1463	4.575	ug/l	98
85) sec-Butylbenzene	13.251	105	621	1.442	ug/l #	70
86) p-Isopropyltoluene	13.373	119	1017	2.890	ug/l	90
89) n-Butylbenzene	13.672	91	431	1.279	ug/l #	1
90) Hexachloroethane	13.971	117	909	12.402	ug/l #	10
95) Naphthalene	15.233	128	449	2.168	ug/l #	69

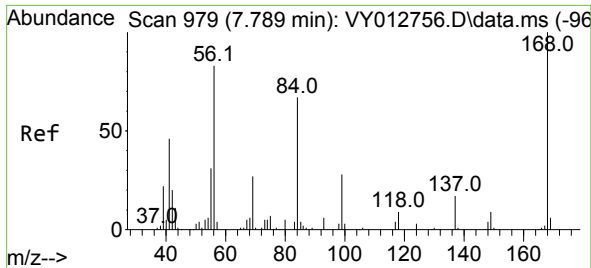
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

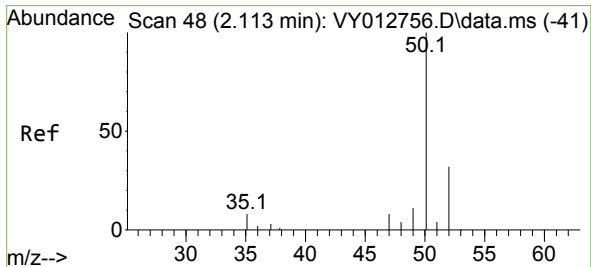
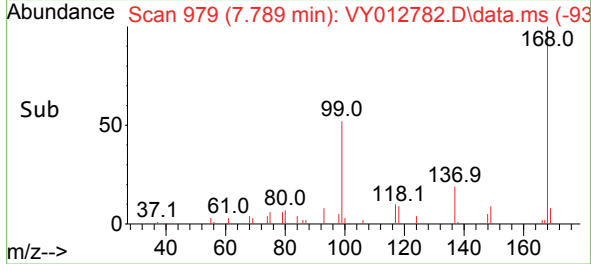
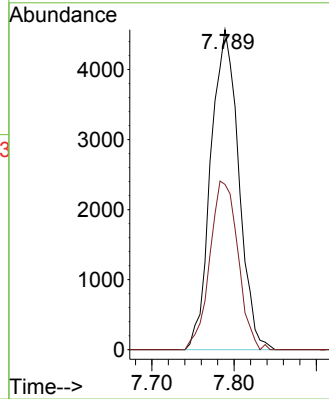
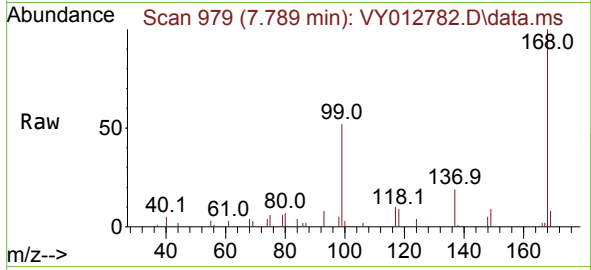




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

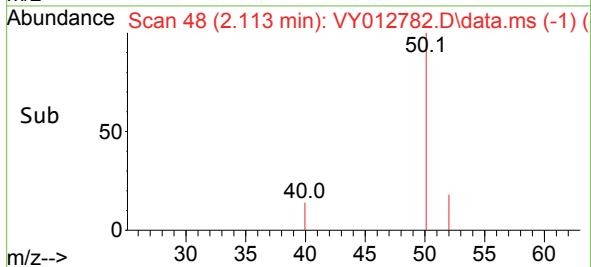
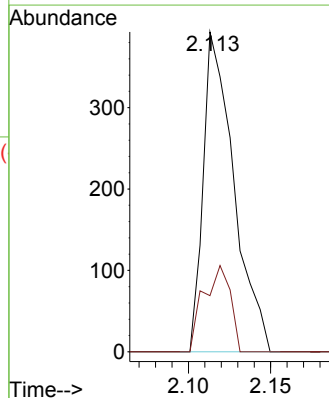
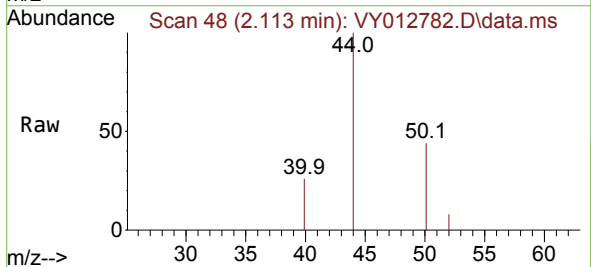
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

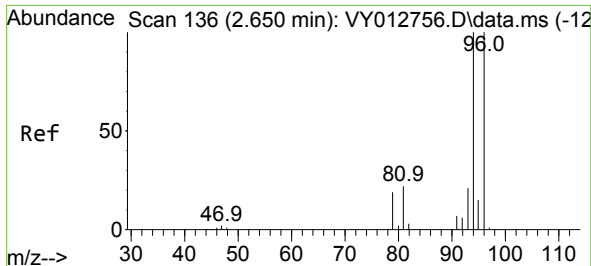
Tgt Ion:168 Resp: 10777
Ion Ratio Lower Upper
168 100
99 51.6 41.7 62.5



#3
Chloromethane
Concen: 3.992 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 17.6 26.0 39.0#

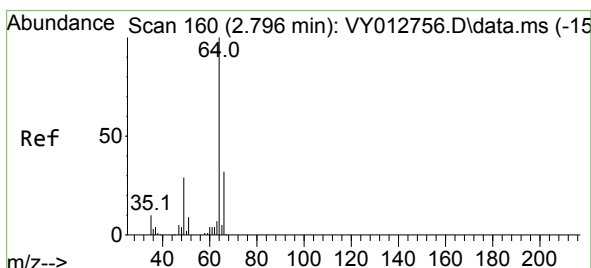
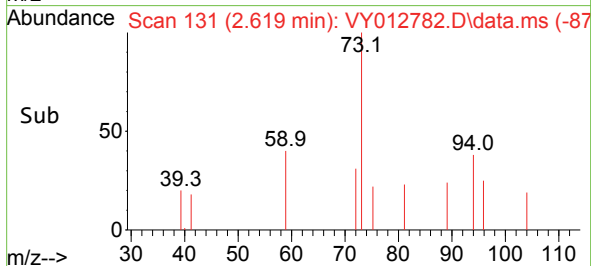
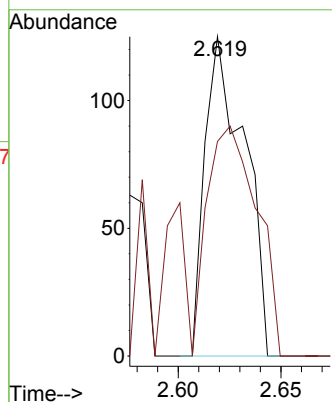
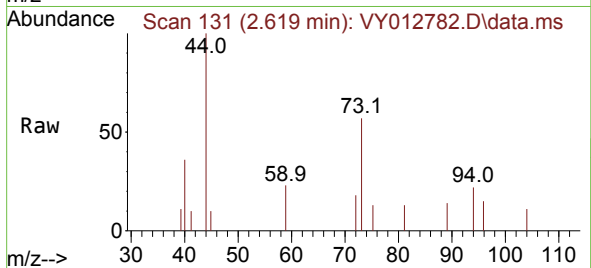




#5
Bromomethane
Concen: 2.360 ug/l
RT: 2.619 min Scan# 11
Delta R.T. -0.031 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

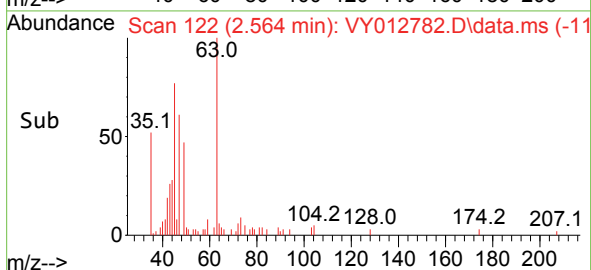
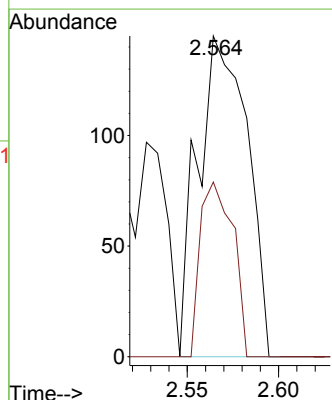
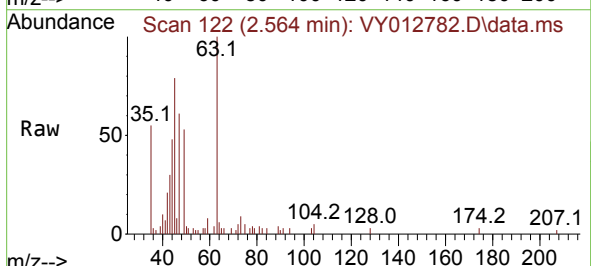
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

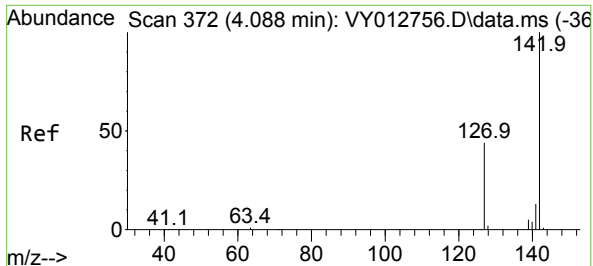
Tgt Ion: 94 Resp: 167
Ion Ratio Lower Upper
94 100
96 67.2 80.3 120.5#



#6
Chloroethane
Concen: 3.929 ug/l
RT: 2.564 min Scan# 122
Delta R.T. -0.232 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

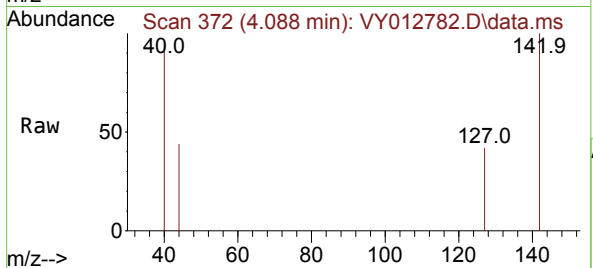
Tgt Ion: 64 Resp: 274
Ion Ratio Lower Upper
64 100
66 54.5 25.7 38.5#



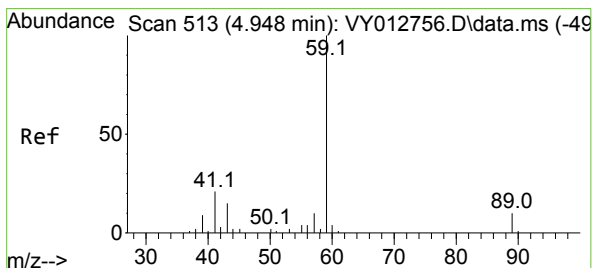
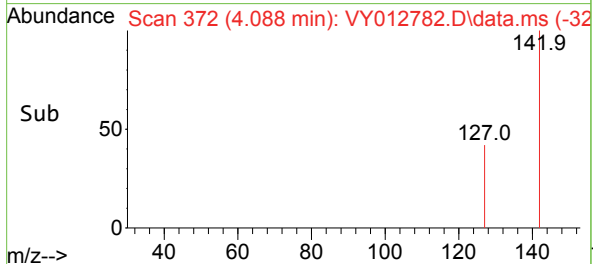
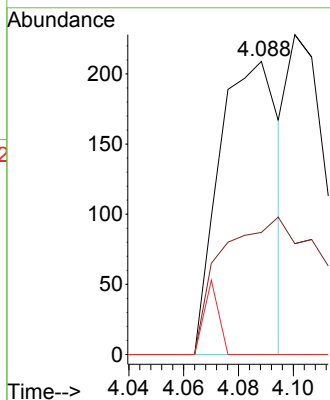


#10
Methyl Iodide
Concen: 2.078 ug/l
RT: 4.088 min Scan# 315
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

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

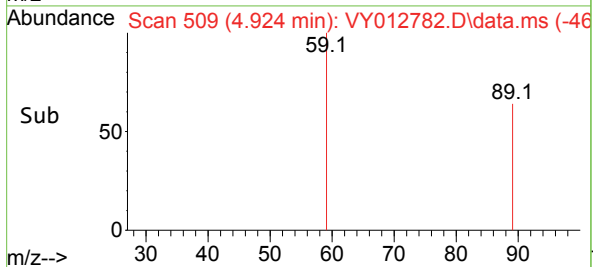
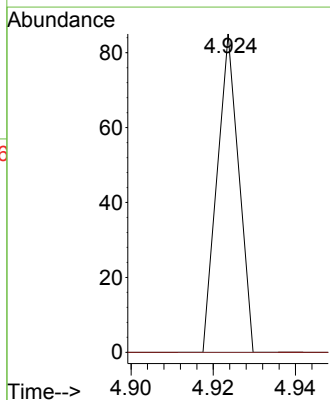
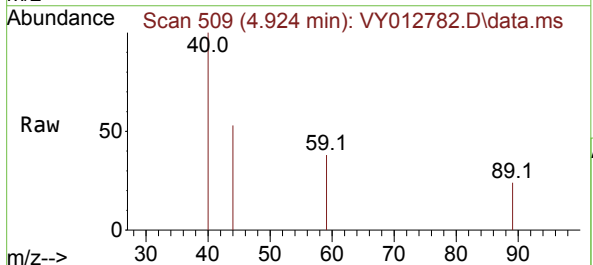


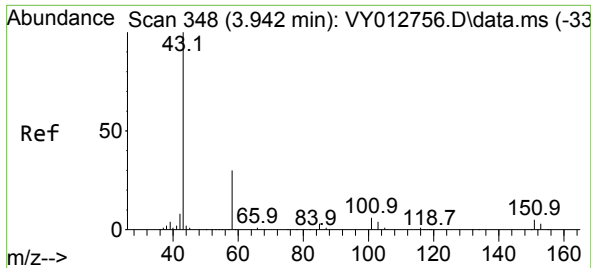
Tgt Ion:142 Resp: 315
Ion Ratio Lower Upper
142 100
127 74.3 35.4 53.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 59 Resp: 31
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

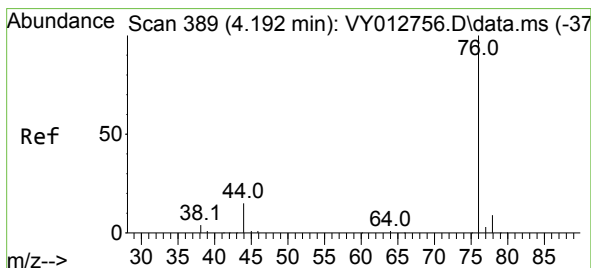
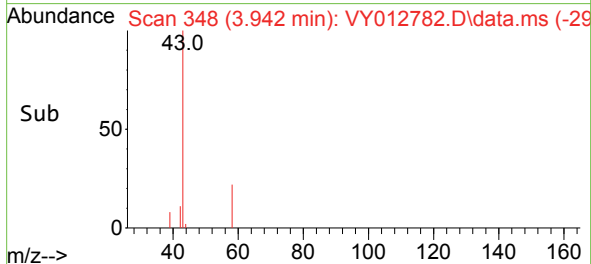
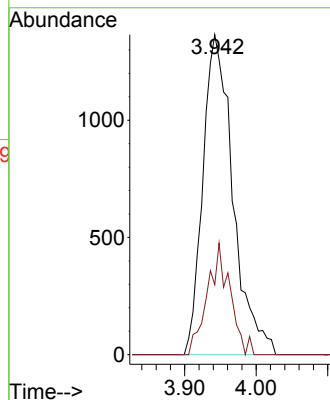
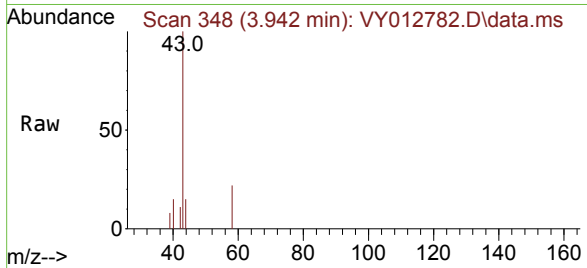




#16
Acetone
Concen: 94.812 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

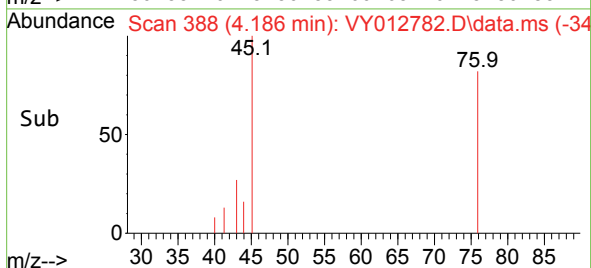
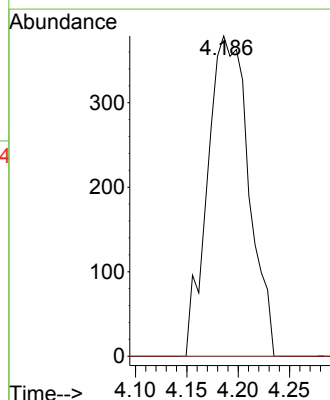
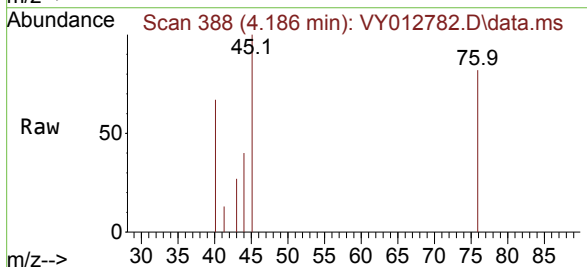
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

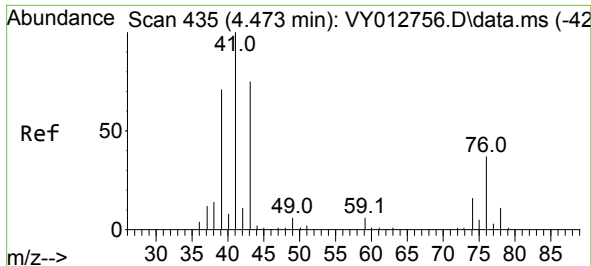
Tgt Ion: 43 Resp: 3982
Ion Ratio Lower Upper
43 100
58 21.8 24.2 36.2#



#17
Carbon Disulfide
Concen: 2.803 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 76 Resp: 1059
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 57.727 ug/l

RT: 4.479 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY012782.D

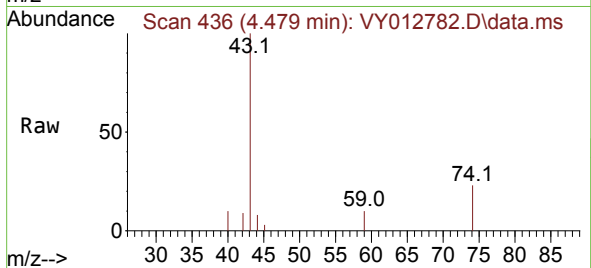
Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-8-GRAB-8

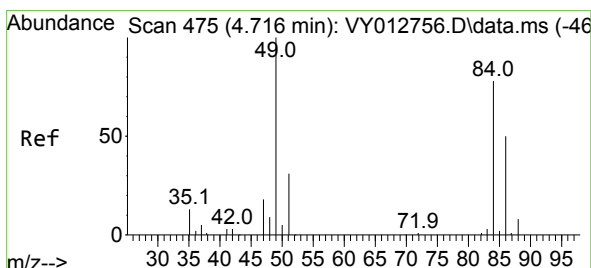
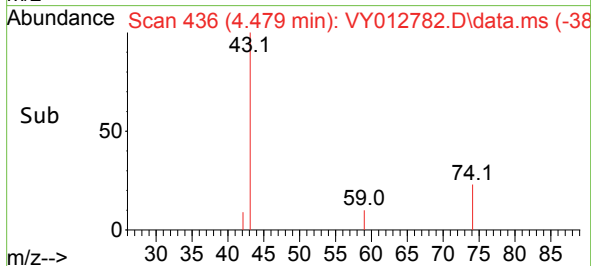
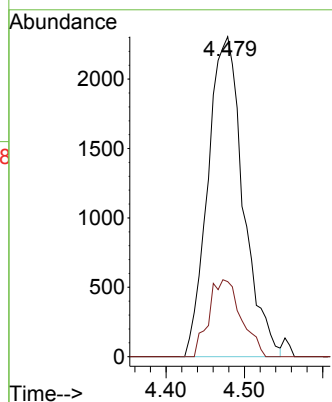


Tgt Ion: 43 Resp: 7220

Ion Ratio Lower Upper

43 100

74 22.0 17.4 26.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Tgt Ion: 84 Resp: 19

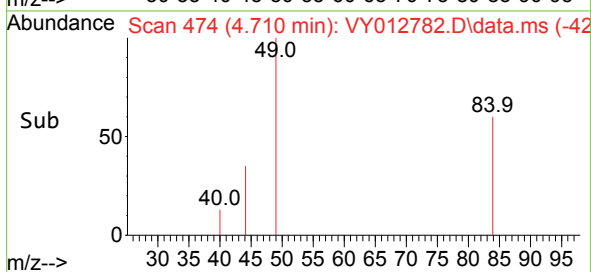
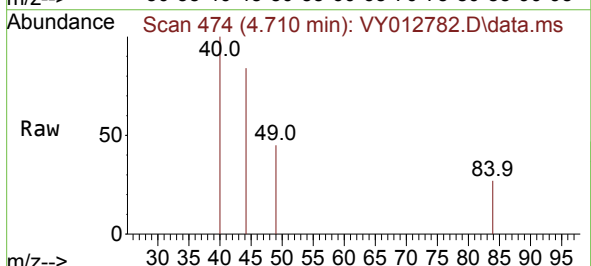
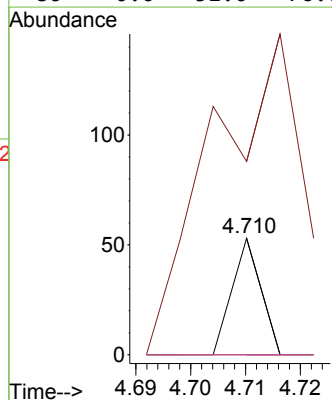
Ion Ratio Lower Upper

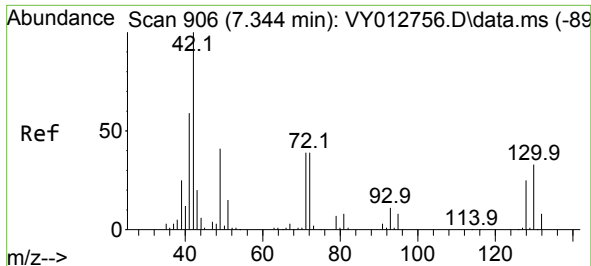
84 100

49 67.9 102.6 154.0#

51 0.0 31.9 47.9#

86 0.0 51.0 76.6#

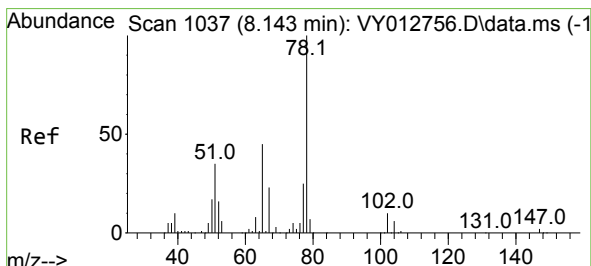
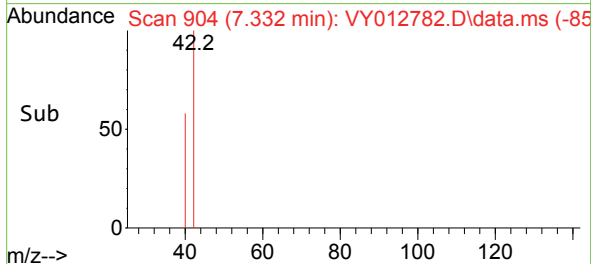
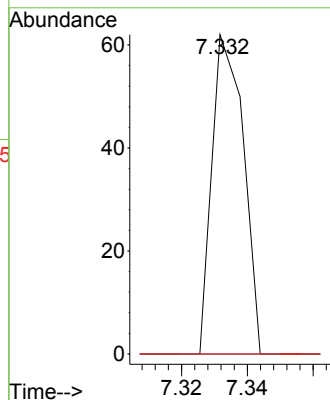
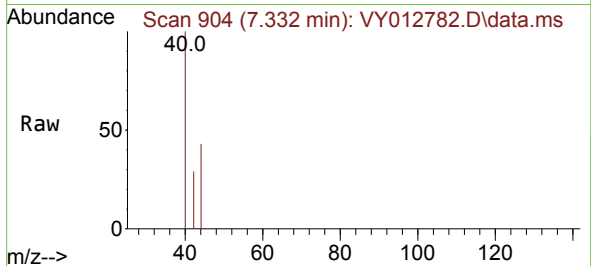




#29
Tetrahydrofuran
Concen: 1.307 ug/l
RT: 7.332 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

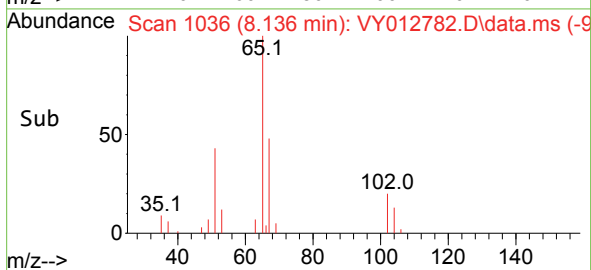
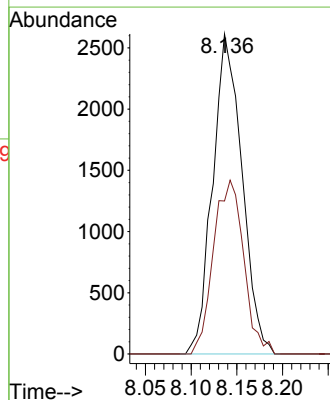
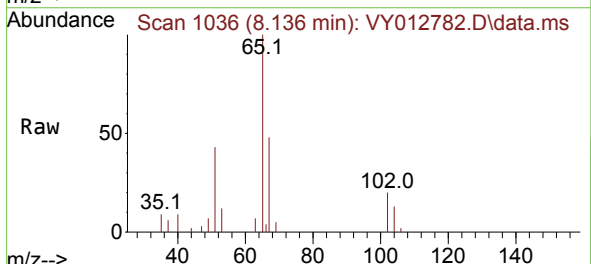
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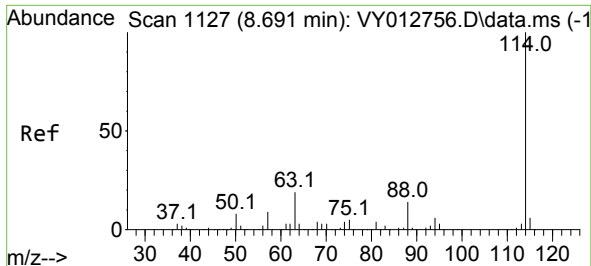
Tgt Ion: 42 Resp: 41
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 30.3 45.5#



#33
1,2-Dichloroethane-d4
Concen: 54.438 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 65 Resp: 5825
Ion Ratio Lower Upper
65 100
67 56.1 0.0 104.0

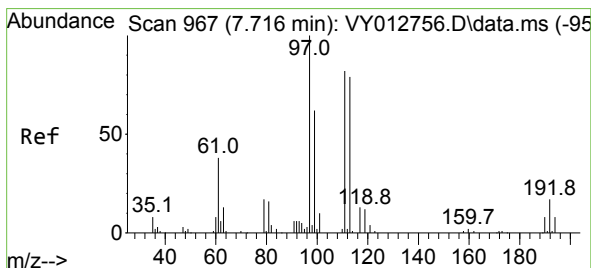
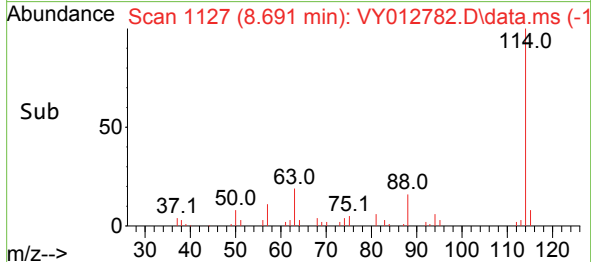
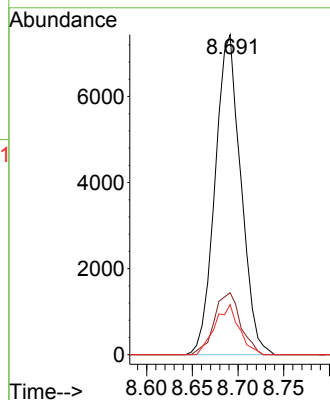
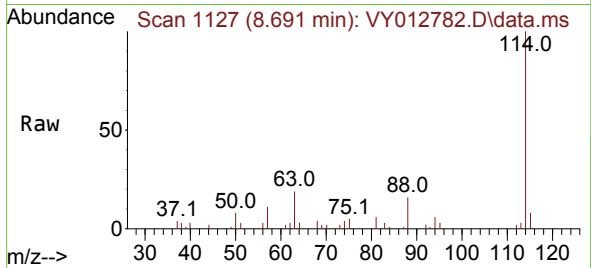




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

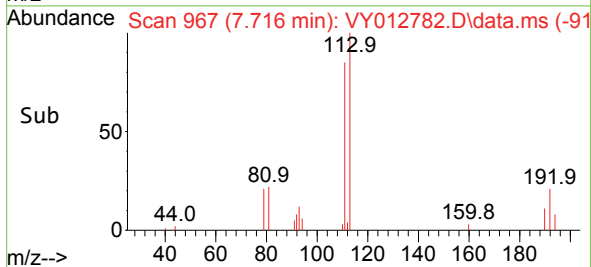
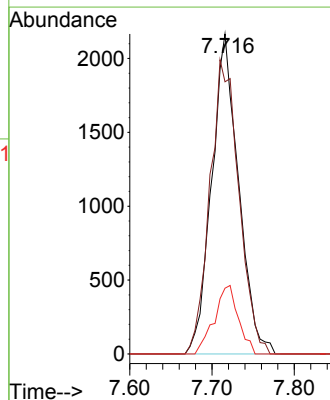
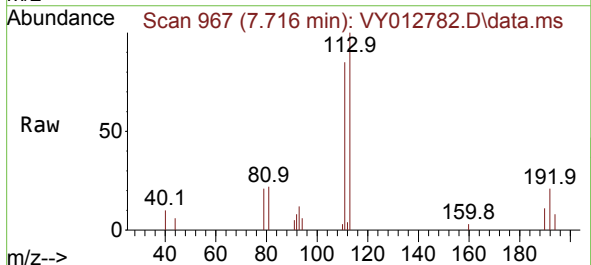
Instrument :
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ClientSampleId :
TOTAL-VOC-8-GRAB-8

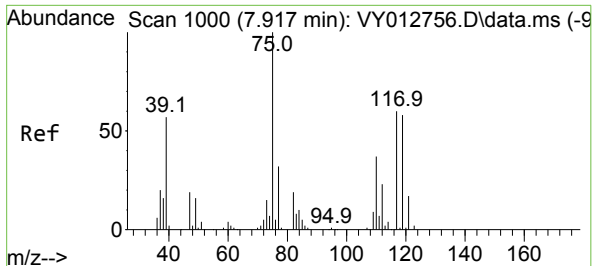
Tgt Ion:114	Resp:	14558
Ion Ratio	Lower	Upper
114	100	
63	19.3	0.0 37.4
88	15.6	0.0 28.6



#35
Dibromofluoromethane
Concen: 56.057 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion:113	Resp:	4925
Ion Ratio	Lower	Upper
113	100	
111	98.8	82.2 123.2
192	19.1	16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.809 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY012782.D

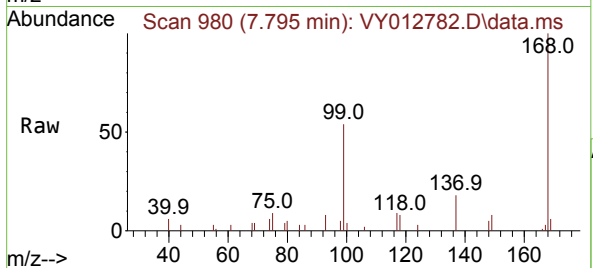
Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-8-GRAB-8



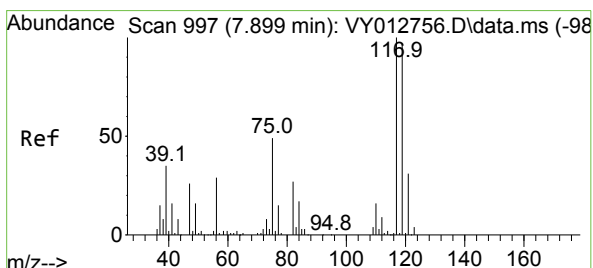
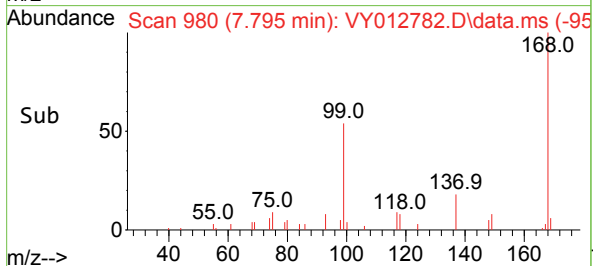
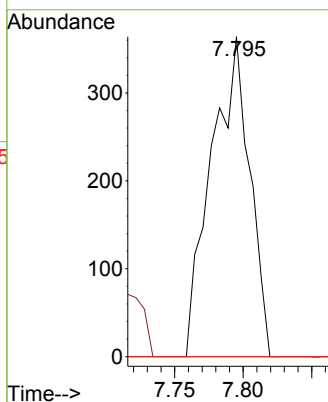
Tgt Ion: 75 Resp: 708

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.814 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

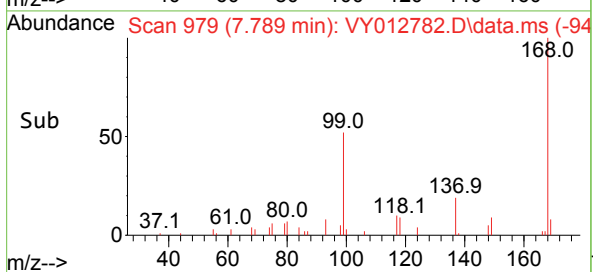
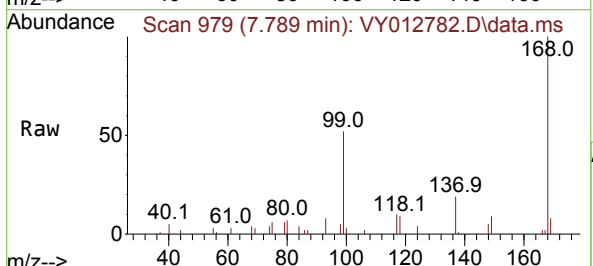
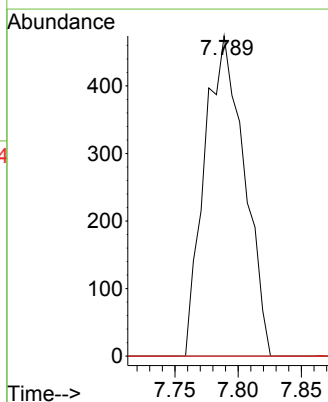
Tgt Ion: 117 Resp: 1036

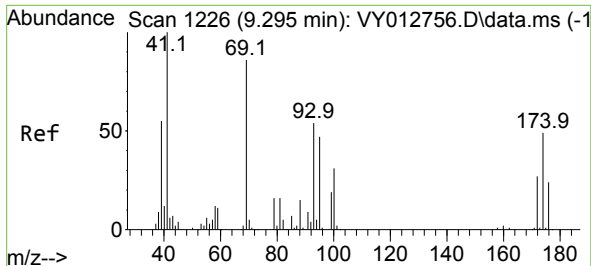
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 63.212 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY012782.D

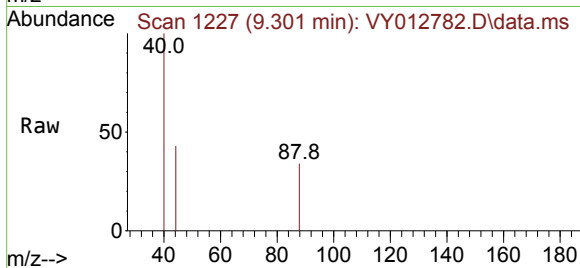
Acq: 03 Mar 2023 00:11

Instrument :

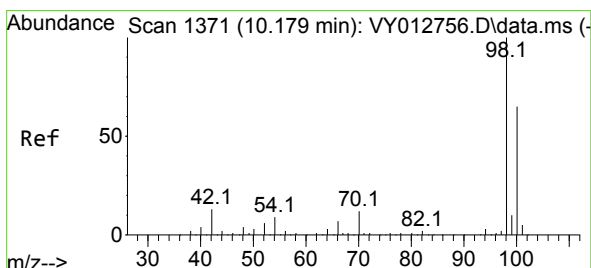
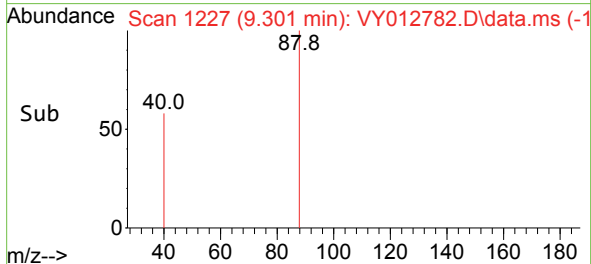
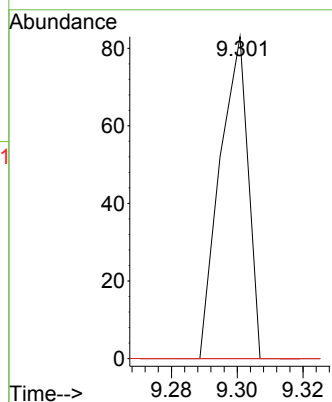
MSVOA_Y

ClientSampleId :

TOTAL-VOC-8-GRAB-8



Tgt Ion:	88	Resp:	49
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.6	42.8#
58	0.0	55.2	82.8#



#50

Toluene-d8

Concen: 51.733 ug/l

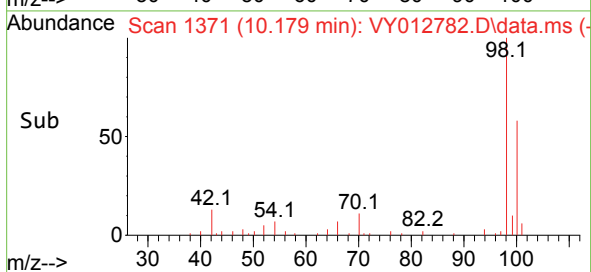
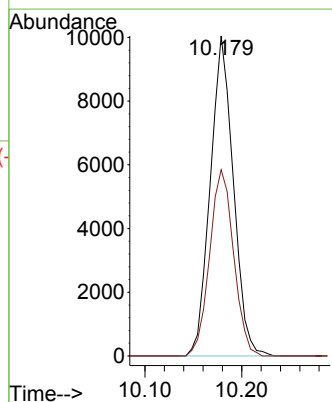
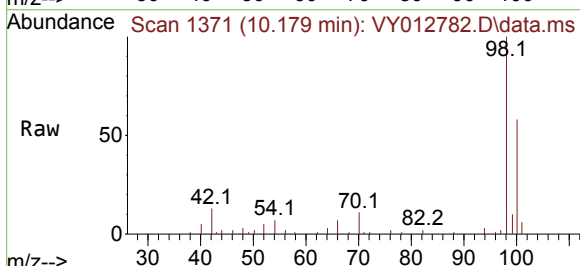
RT: 10.179 min Scan# 1371

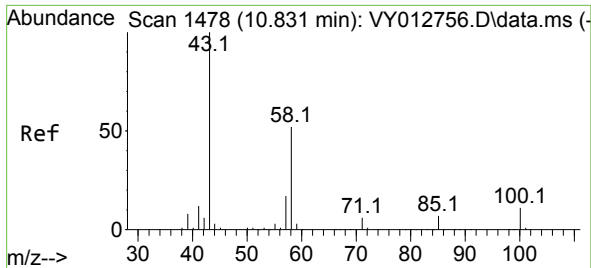
Delta R.T. -0.000 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Tgt Ion:	98	Resp:	16616
Ion	Ratio	Lower	Upper
98	100		
100	60.5	50.9	76.3

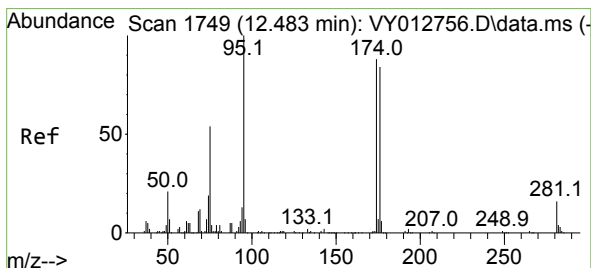
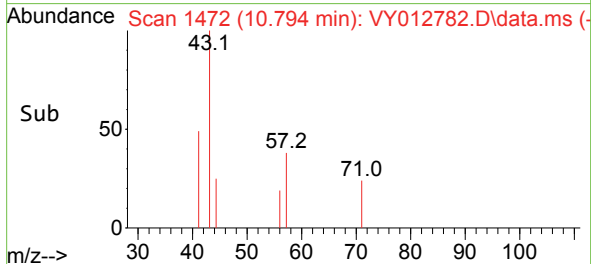
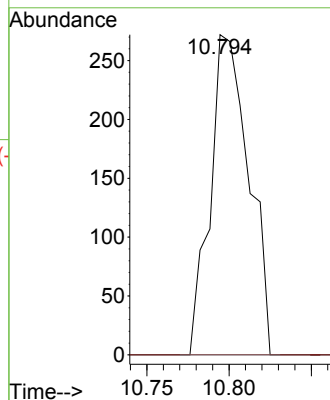
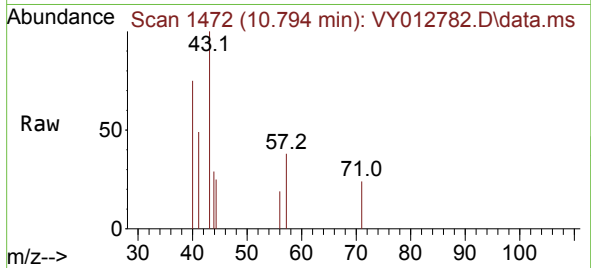




#59
2-Hexanone
Concen: 6.803 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

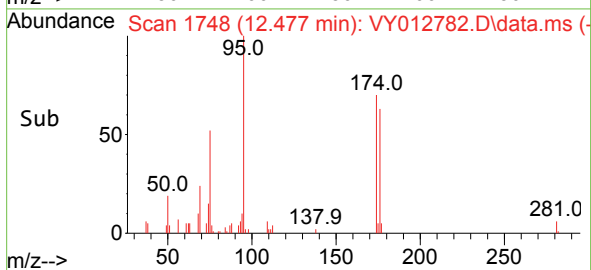
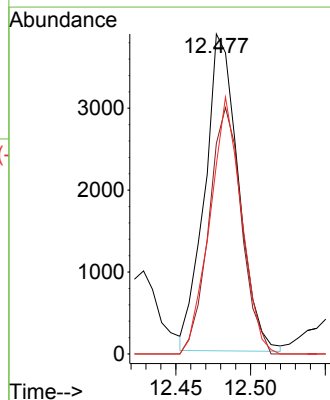
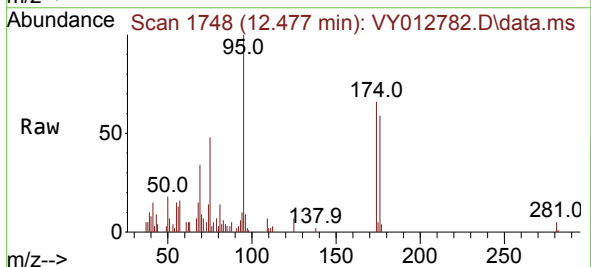
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

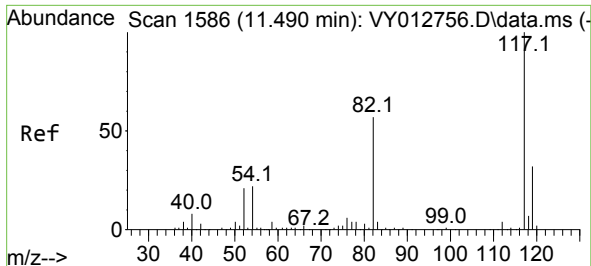
Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 55.890 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 95 Resp: 6059
Ion Ratio Lower Upper
95 100
174 75.5 0.0 176.6
176 75.8 0.0 170.2

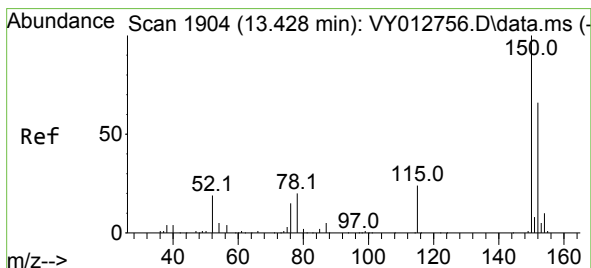
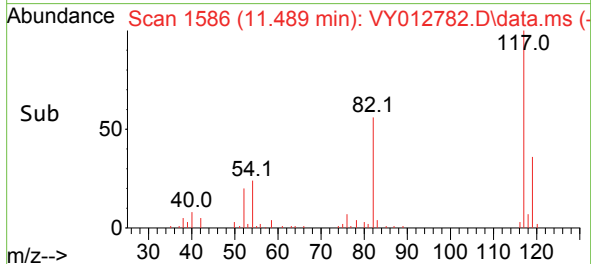
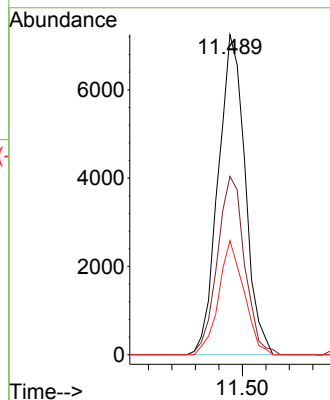
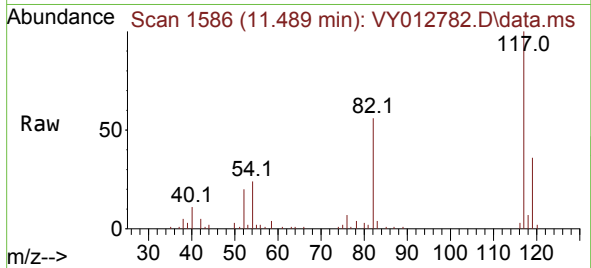




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

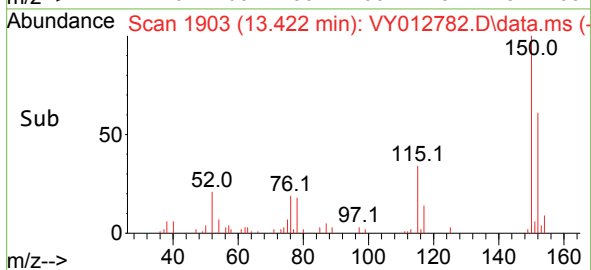
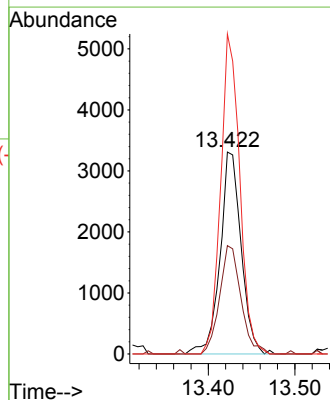
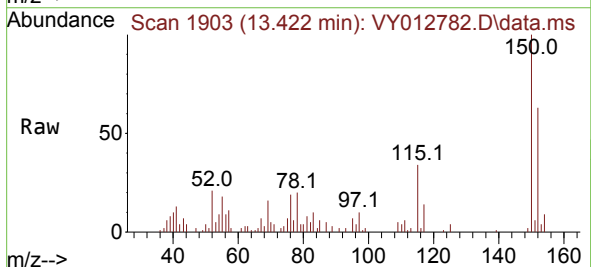
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

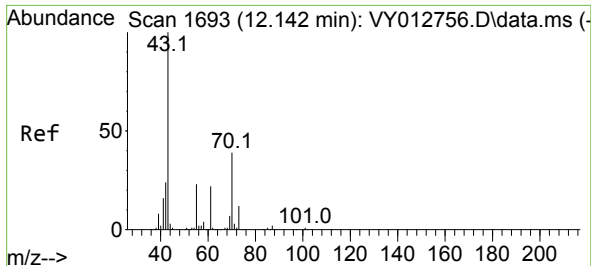
Tgt Ion:117 Resp: 11539
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 35.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

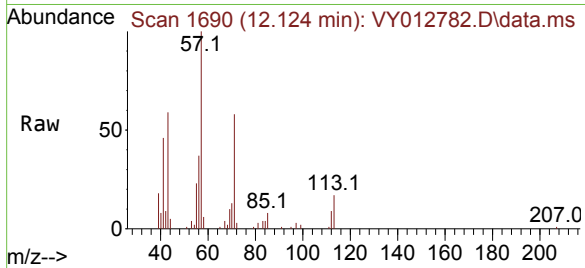
Tgt Ion:152 Resp: 5591
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 143.2 0.0 347.8



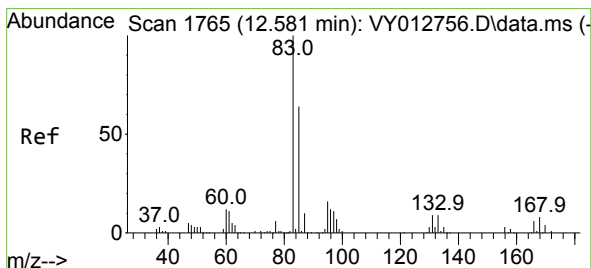
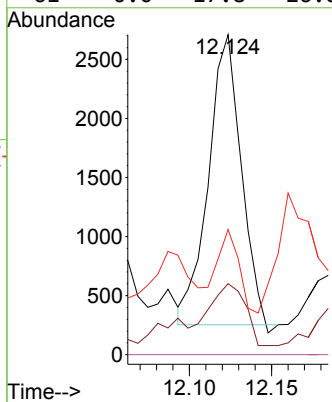
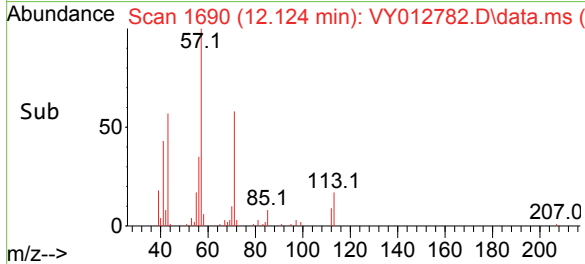


#74
N-amy1 acetate
Concen: 27.103 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

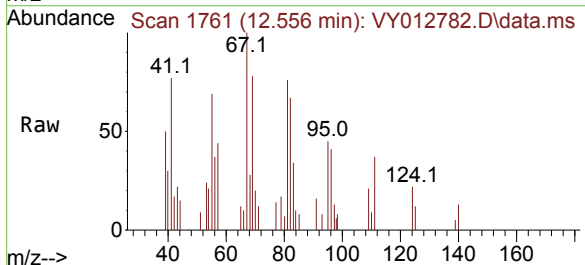
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8



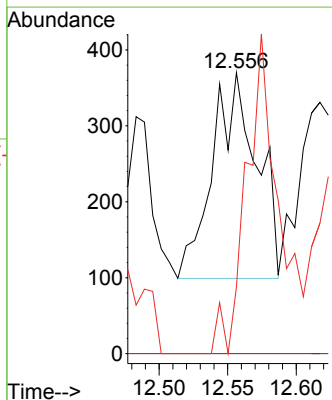
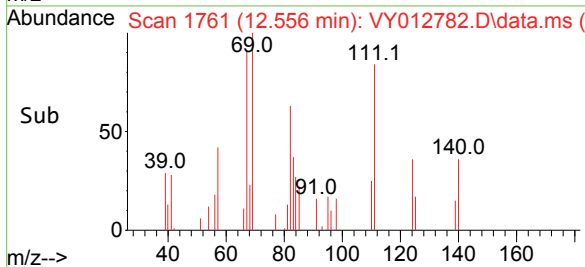
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
70 34.0 31.6 47.4
55 20.5 18.8 28.2
61 0.0 17.8 26.8#

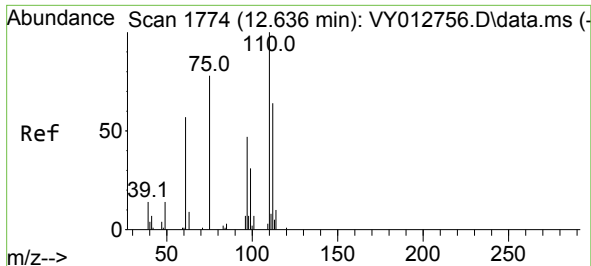


#75
1,1,2,2-Tetrachloroethane
Concen: 6.826 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.024 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11



Tgt Ion: 83 Resp: 608
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 111.7 31.8 95.3#

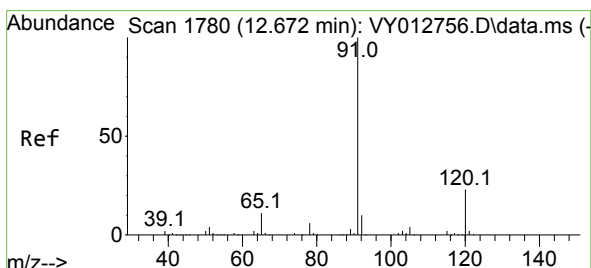
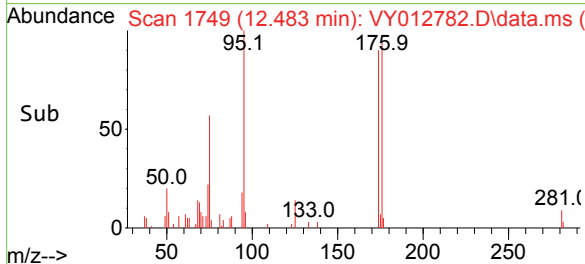
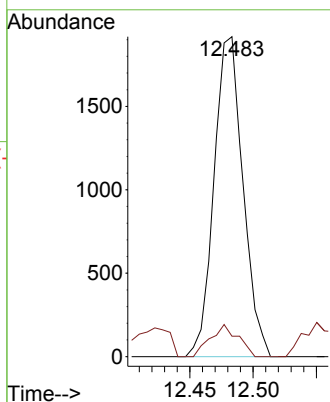
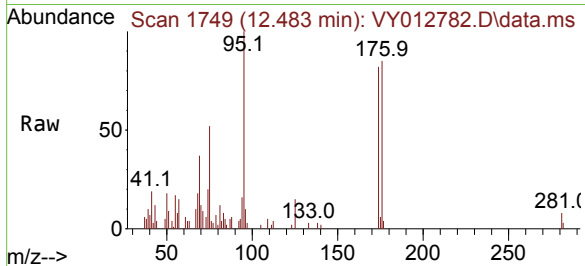




#76
1,2,3-Trichloropropane
Concen: 45.637 ug/l
RT: 12.483 min Scan# 1774
Delta R.T. -0.152 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

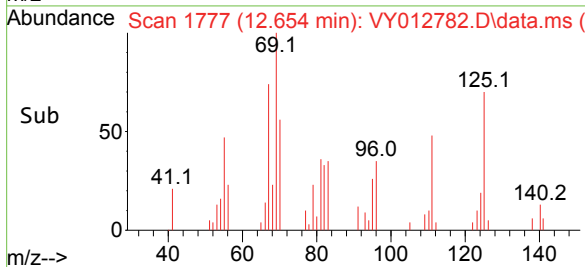
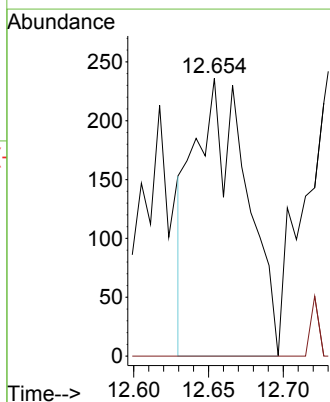
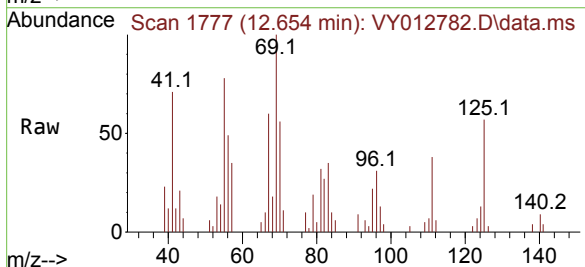
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

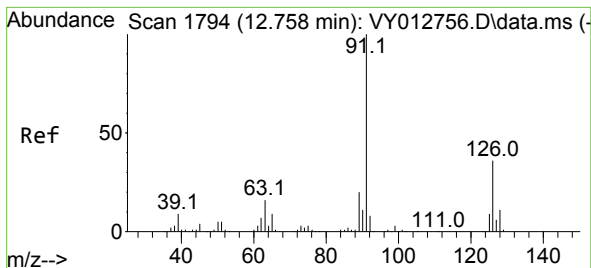
Tgt Ion: 75 Resp: 3047
Ion Ratio Lower Upper
75 100
77 9.5 0.0 0.0#



#78
n-propylbenzene
Concen: 1.185 ug/l
RT: 12.654 min Scan# 1777
Delta R.T. -0.018 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 91 Resp: 579
Ion Ratio Lower Upper
91 100
120 0.0 11.6 34.8#





#79

2-Chlorotoluene

Concen: 2.516 ug/l

RT: 12.733 min Scan# 11

Delta R.T. -0.024 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

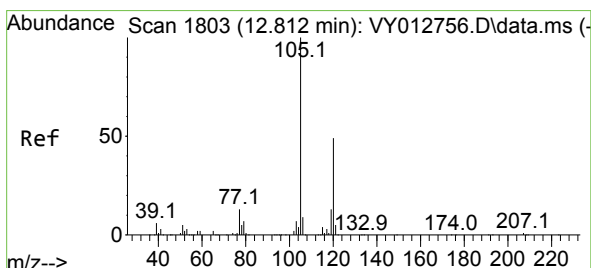
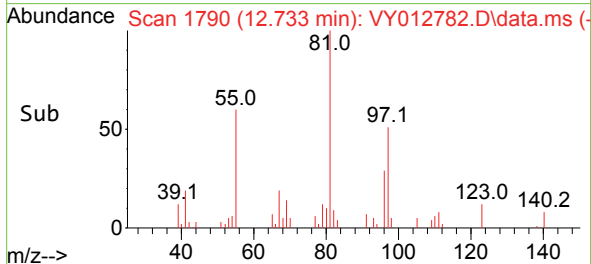
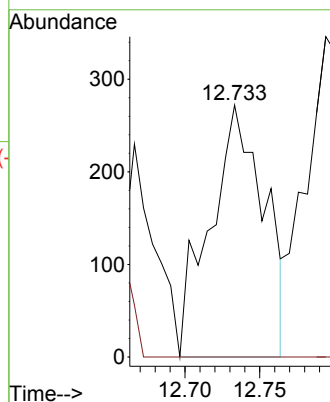
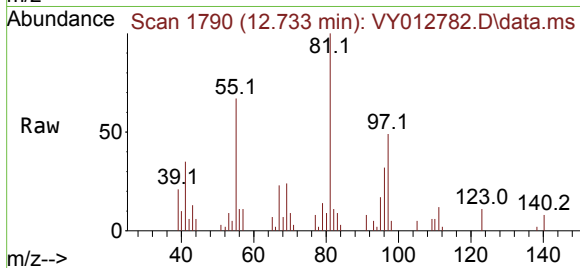
TOTAL-VOC-8-GRAB-8

Tgt Ion: 91 Resp: 683

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.2#



#80

1,3,5-Trimethylbenzene

Concen: 2.517 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY012782.D

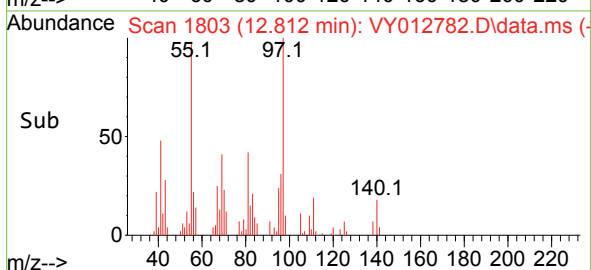
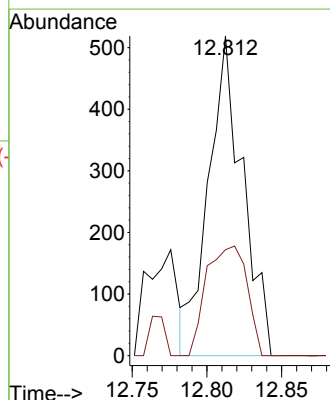
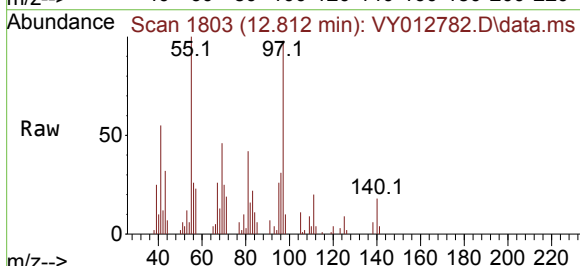
Acq: 03 Mar 2023 00:11

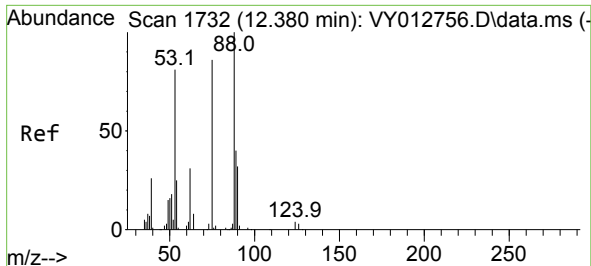
Tgt Ion:105 Resp: 823

Ion Ratio Lower Upper

105 100

120 40.8 24.8 74.4

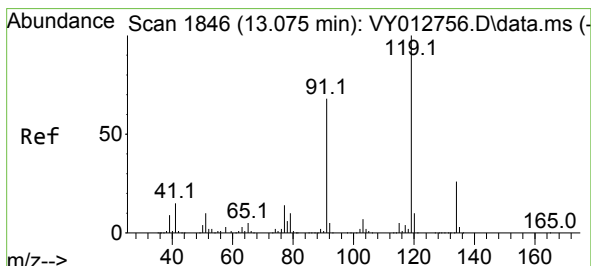
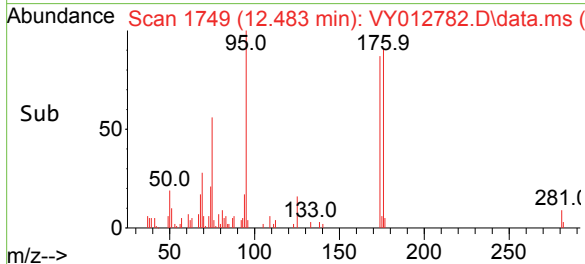
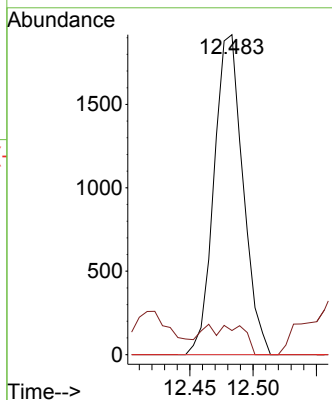
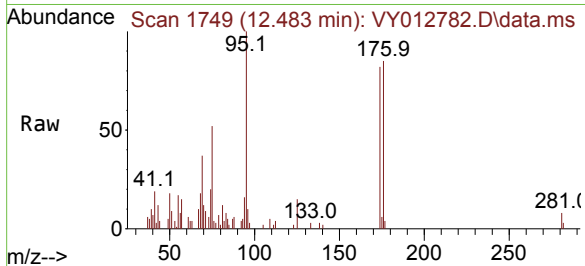




#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.562 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY012782.D
 Acq: 03 Mar 2023 00:11

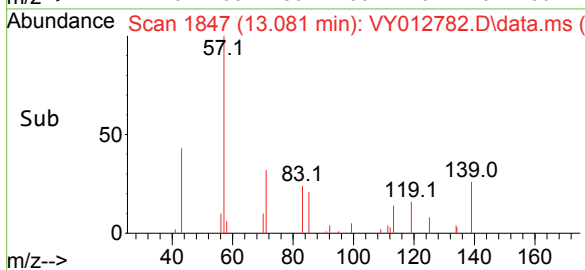
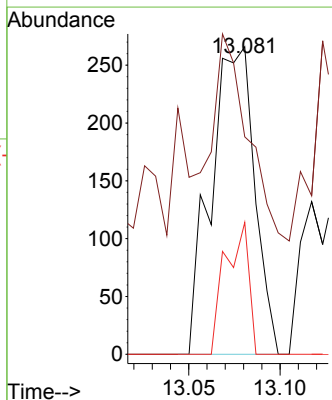
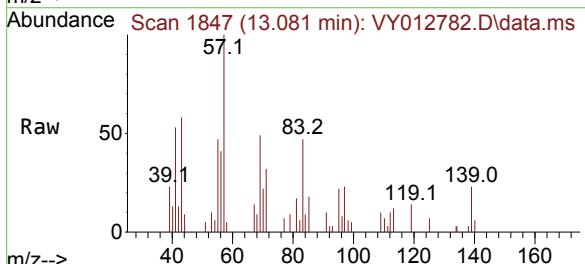
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-8-GRAB-8

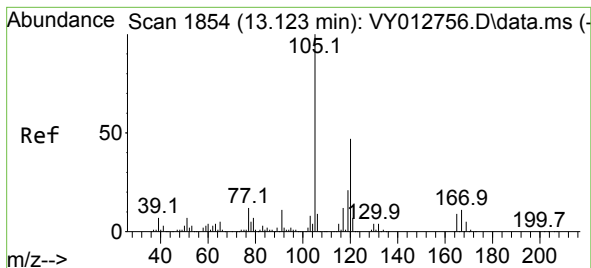
Tgt Ion: 75 Resp: 3047
 Ion Ratio Lower Upper
 75 100
 53 2.0 73.4 110.0#
 89 0.0 36.6 55.0#



#83
 tert-Butylbenzene
 Concen: 1.566 ug/l
 RT: 13.081 min Scan# 1847
 Delta R.T. 0.006 min
 Lab File: VY012782.D
 Acq: 03 Mar 2023 00:11

Tgt Ion: 119 Resp: 442
 Ion Ratio Lower Upper
 119 100
 91 92.1 32.8 98.3
 134 23.1 13.6 40.8





#84

1,2,4-Trimethylbenzene

Concen: 4.575 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

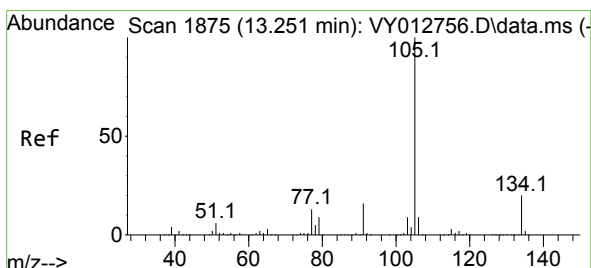
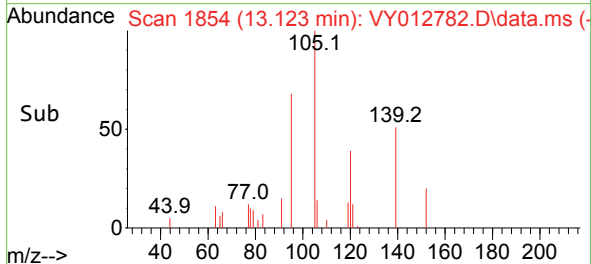
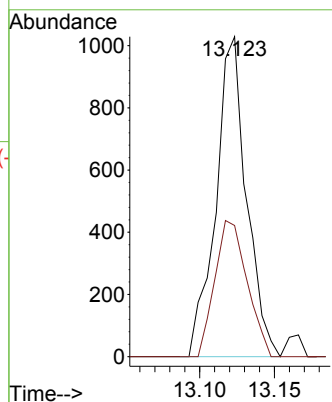
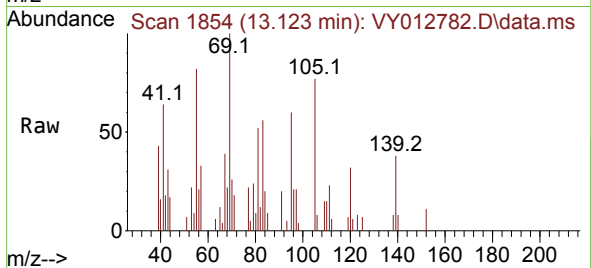
TOTAL-VOC-8-GRAB-8

Tgt Ion:105 Resp: 1463

Ion Ratio Lower Upper

105 100

120 44.8 23.0 69.0



#85

sec-Butylbenzene

Concen: 1.442 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY012782.D

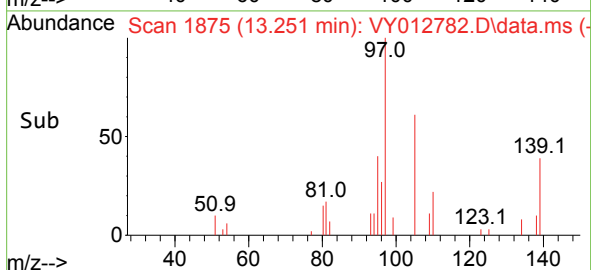
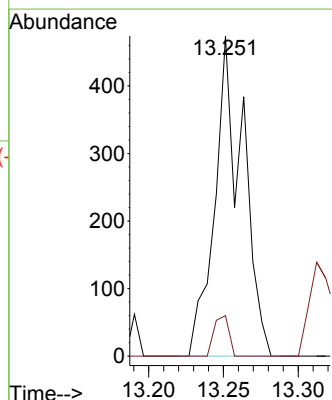
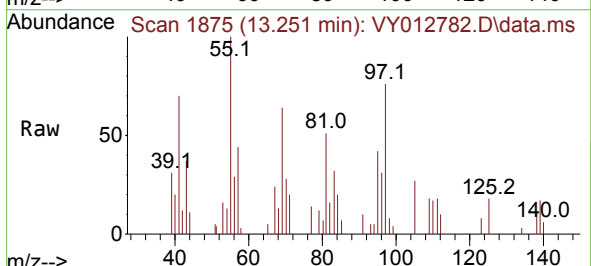
Acq: 03 Mar 2023 00:11

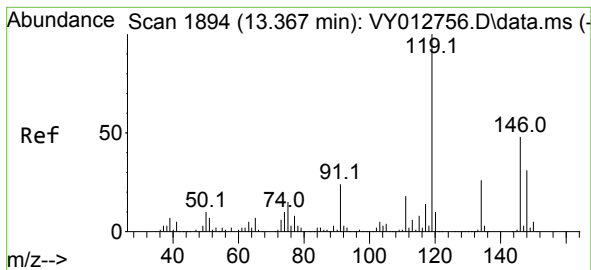
Tgt Ion:105 Resp: 621

Ion Ratio Lower Upper

105 100

134 6.6 10.4 31.1#





#86

p-Isopropyltoluene

Concen: 2.890 ug/l

RT: 13.373 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-8-GRAB-8

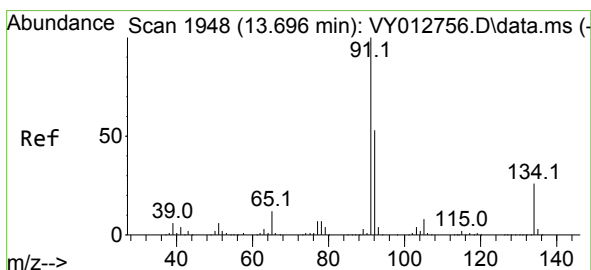
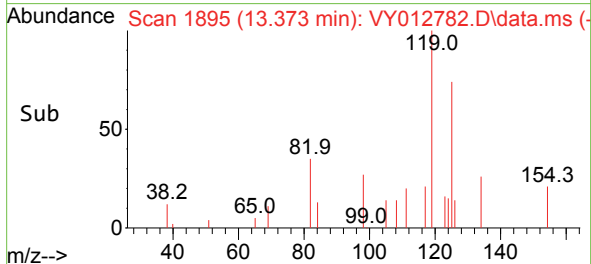
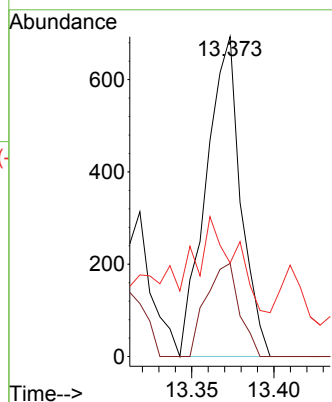
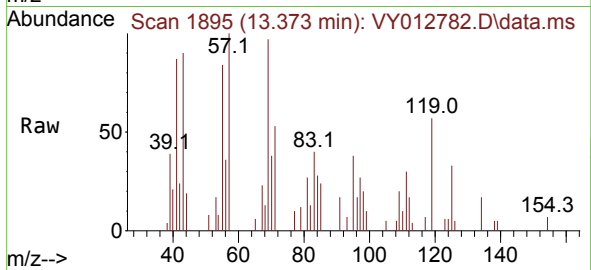
Tgt Ion:119 Resp: 1017

Ion Ratio Lower Upper

119 100

134 28.0 13.2 39.6

91 32.5 11.8 35.3



#89

n-Butylbenzene

Concen: 1.279 ug/l

RT: 13.672 min Scan# 1944

Delta R.T. -0.024 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

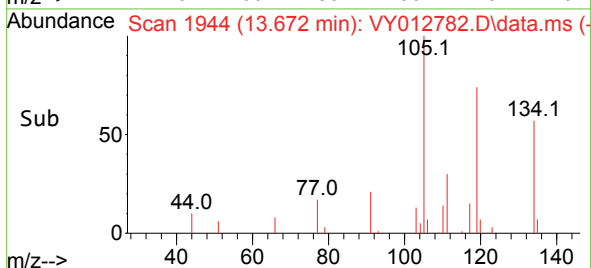
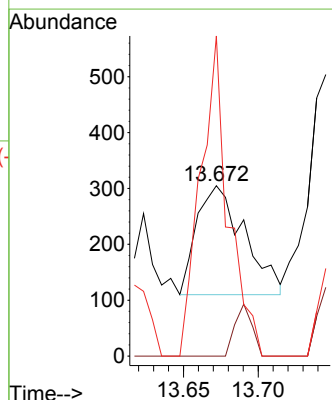
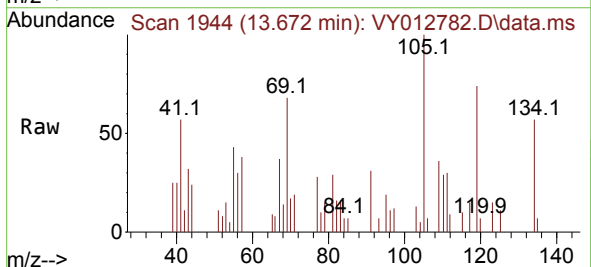
Tgt Ion: 91 Resp: 431

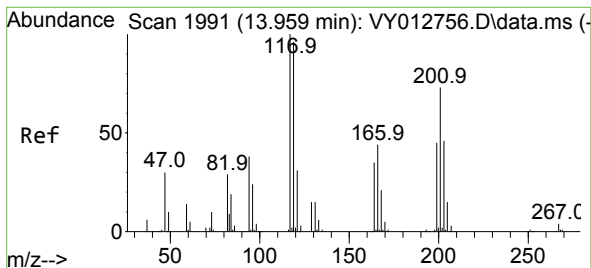
Ion Ratio Lower Upper

91 100

92 16.9 26.4 79.0#

134 172.2 13.0 38.9#





#90

Hexachloroethane

Concen: 12.402 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

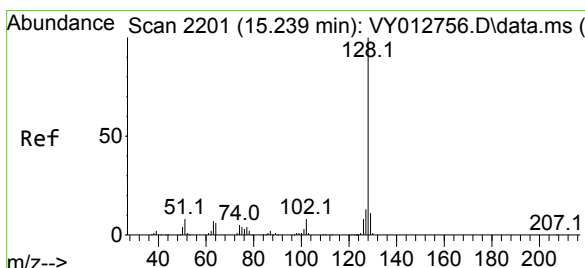
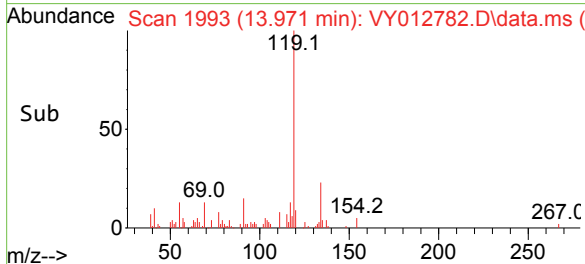
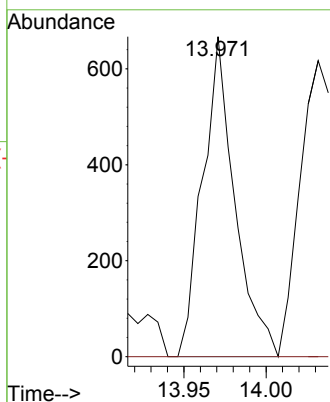
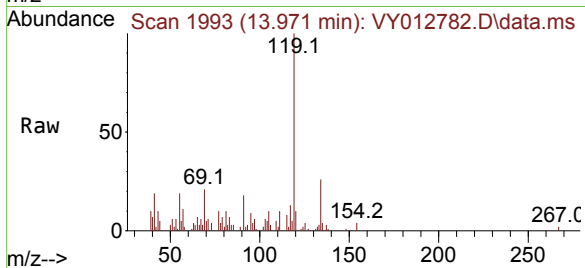
TOTAL-VOC-8-GRAB-8

Tgt Ion:117 Resp: 909

Ion Ratio Lower Upper

117 100

201 0.0 39.4 118.1#



#95

Naphthalene

Concen: 2.168 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Tgt Ion:128 Resp: 449

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

