

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014166.D
 Acq On : 14 Jun 2023 20:10
 Operator : KP/MD
 Sample : 03223-12
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-05-GRAB-7

Quant Time: Jun 15 01:46:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

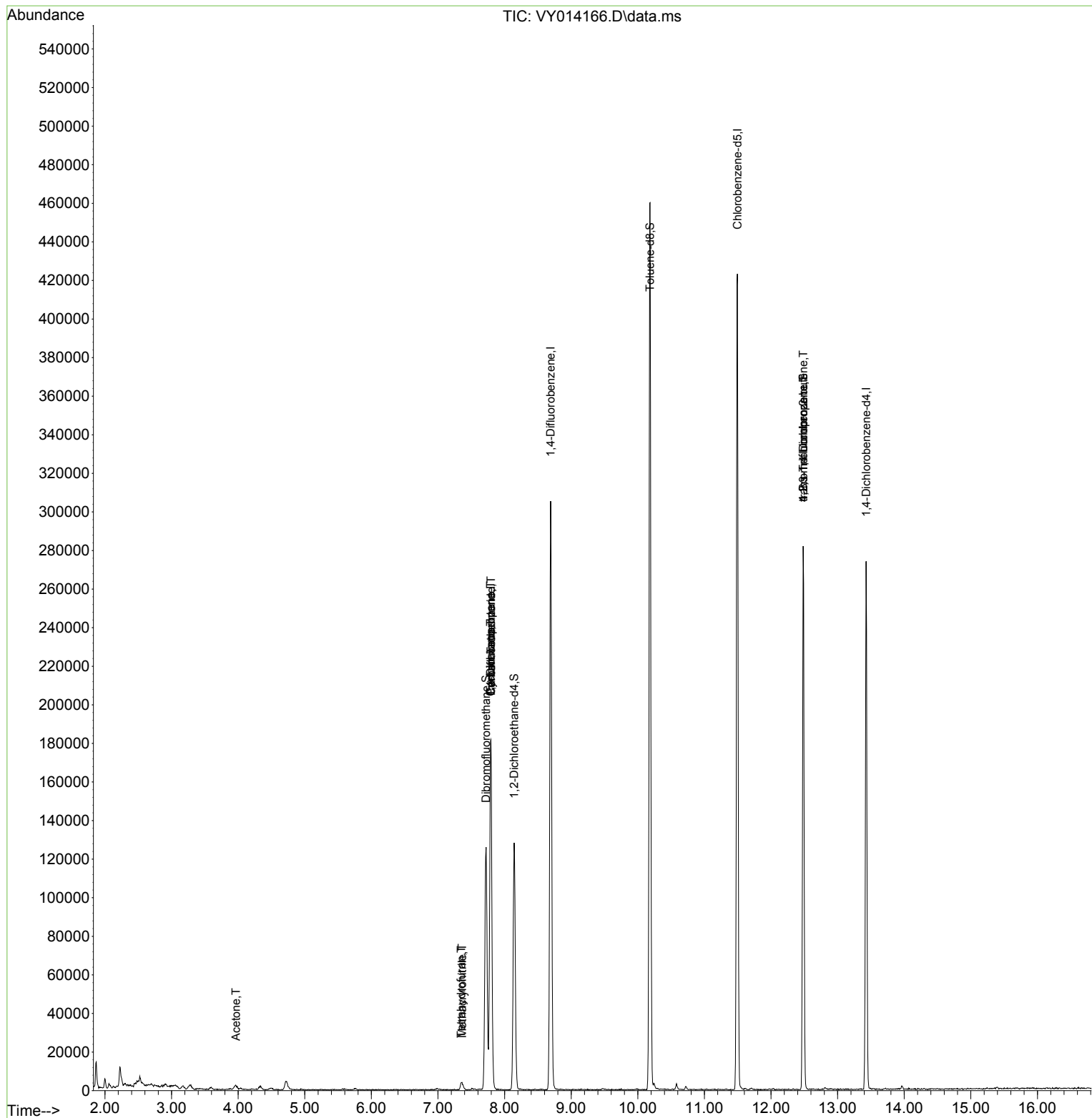
Internal Standards						
1) Pentafluorobenzene	7.795	168	142350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	230010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	105350	53.147	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.300%	
35) Dibromofluoromethane	7.722	113	86233	48.534	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.060%	
50) Toluene-d8	10.185	98	301056	45.323	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.640%	
62) 4-Bromofluorobenzene	12.483	95	80287	34.025	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 68.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	185	Below Cal	#	89
16) Acetone	3.966	43	4030	6.745	ug/l #	86
20) Methylene Chloride	4.722	84	3108	Below Cal		87
29) Tetrahydrofuran	7.350	42	2988	6.407	ug/l #	82
31) Cyclohexane	7.789	56	3109	1.171	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	10772	3.889	ug/l #	50
38) Carbon Tetrachloride	7.795	117	14509	4.539	ug/l #	16
41) Methacrylonitrile	7.362	41	2077	2.129	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	42940	46.427	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42940	100.357	ug/l #	11

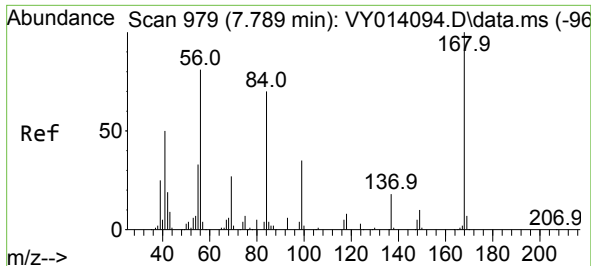
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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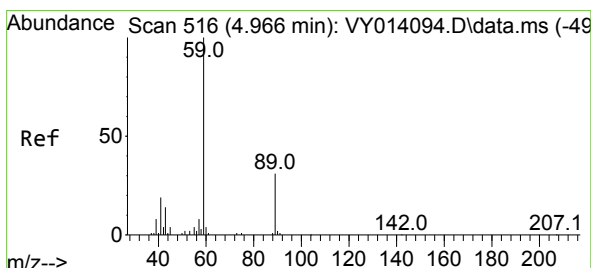
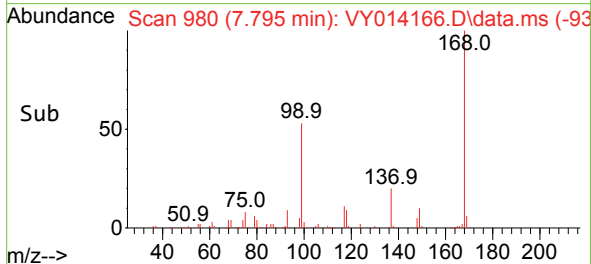
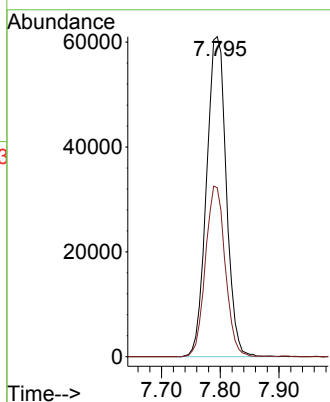
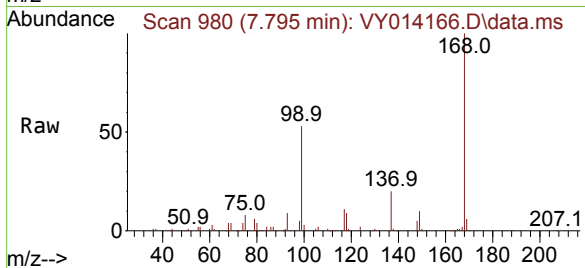




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

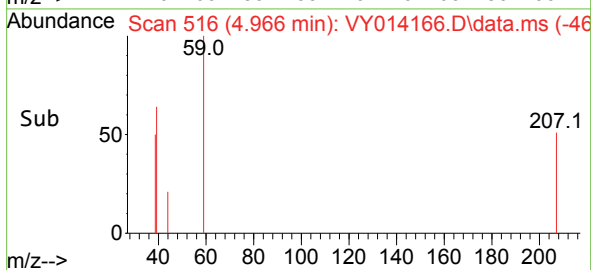
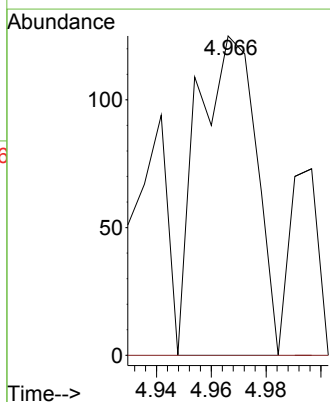
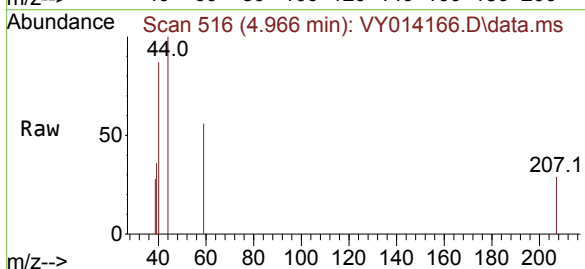
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-7

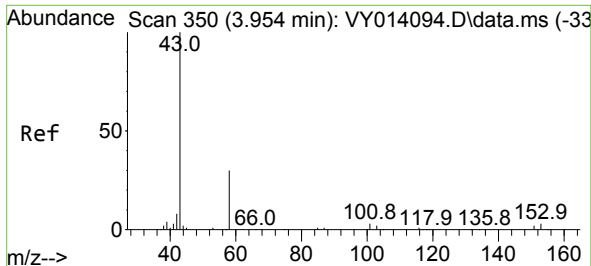
Tgt Ion:168 Resp: 142350
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 6.745 ug/l

RT: 3.966 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY014166.D

Acq: 14 Jun 2023 20:10

Instrument :

MSVOA_Y

ClientSampleId :

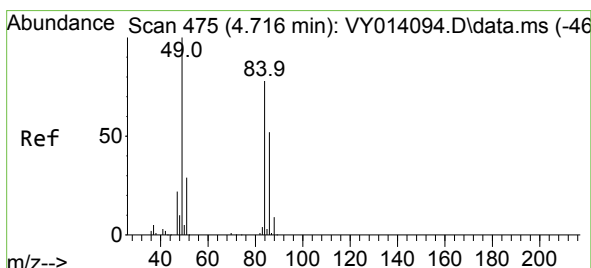
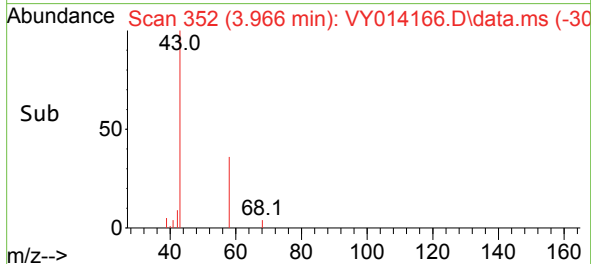
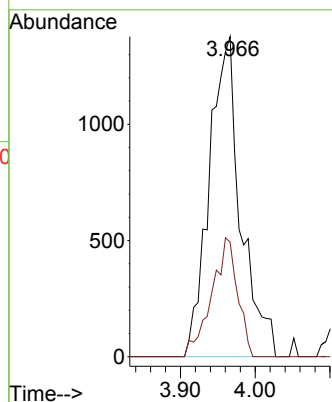
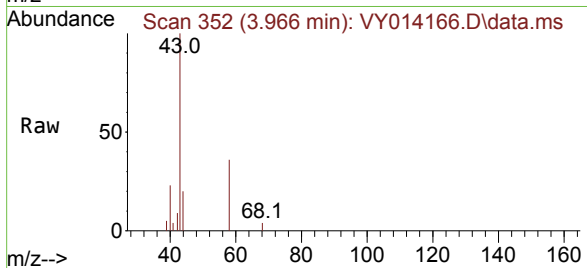
TOTAL-VOC-SB-05-GRAB-7

Tgt Ion: 43 Resp: 4030

Ion Ratio Lower Upper

43 100

58 35.8 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY014166.D

Acq: 14 Jun 2023 20:10

Tgt Ion: 84 Resp: 3108

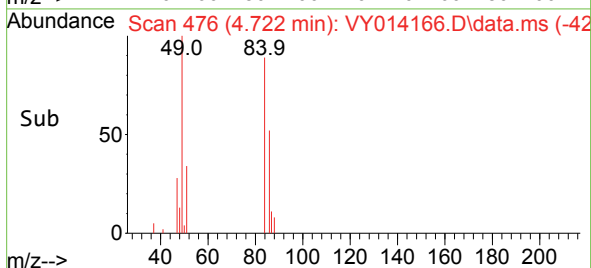
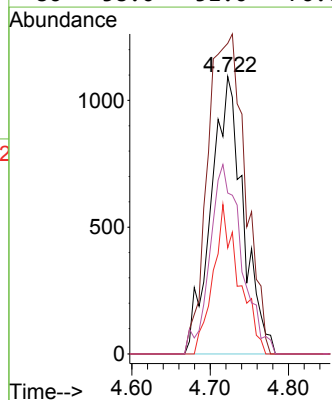
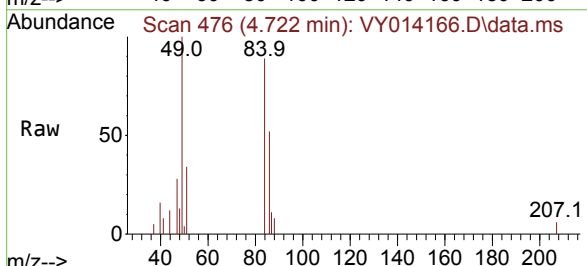
Ion Ratio Lower Upper

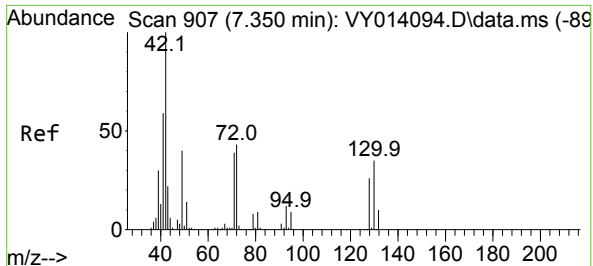
84 100

49 112.0 106.9 160.3

51 38.2 33.2 49.8

86 58.0 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.407 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014166.D

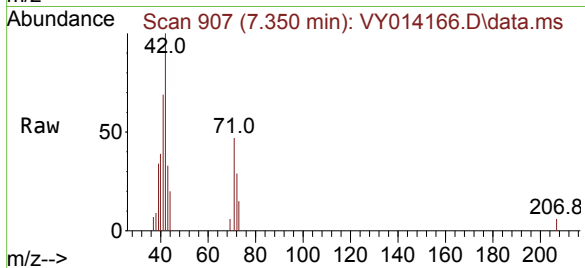
Acq: 14 Jun 2023 20:10

Instrument :

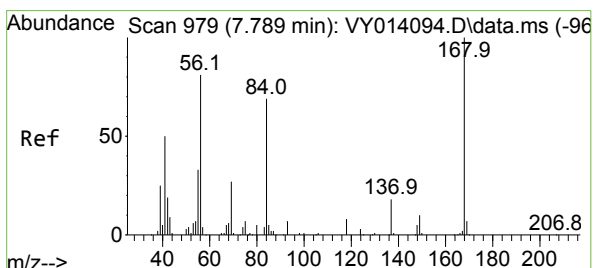
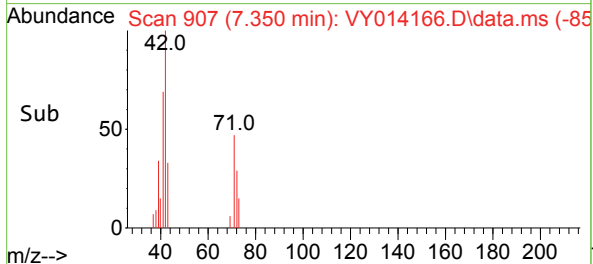
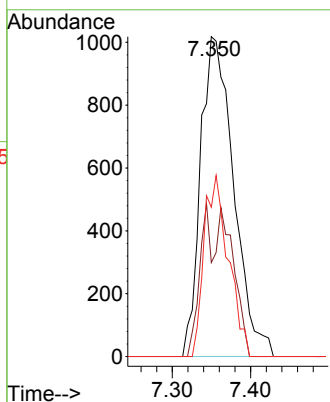
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-7



Tgt Ion:	42	Resp:	2988
Ion	Ratio	Lower	Upper
42	100		
72	21.8	32.8	49.2#
71	41.5	31.0	46.4



#31

Cyclohexane

Concen: 1.171 ug/l

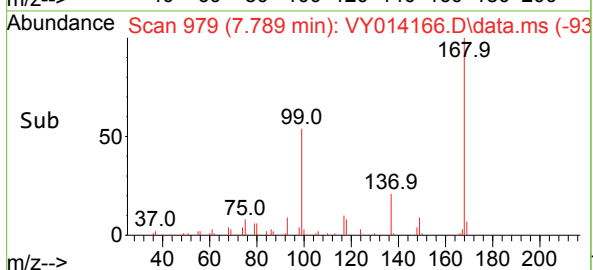
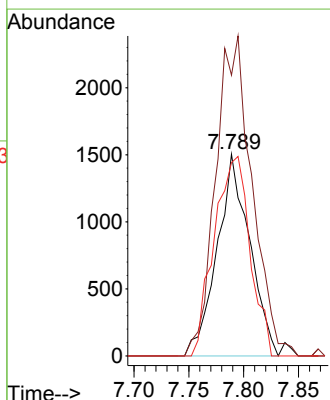
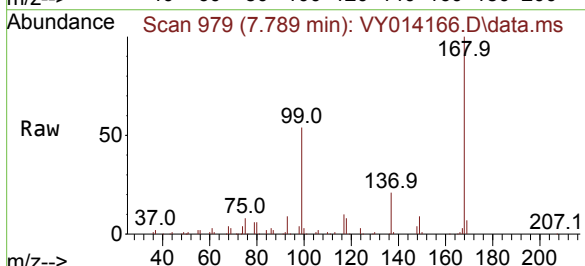
RT: 7.789 min Scan# 979

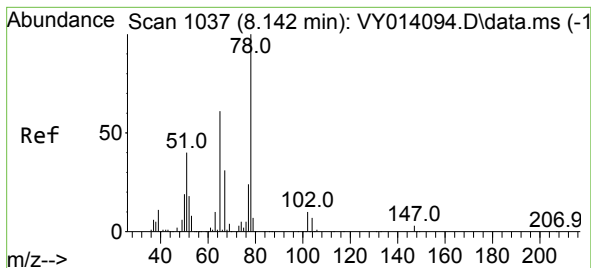
Delta R.T. -0.000 min

Lab File: VY014166.D

Acq: 14 Jun 2023 20:10

Tgt Ion:	56	Resp:	3109
Ion	Ratio	Lower	Upper
56	100		
69	139.2	27.8	41.6#
84	95.8	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 53.147 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014166.D

Acq: 14 Jun 2023 20:10

Instrument :

MSVOA_Y

ClientSampleId :

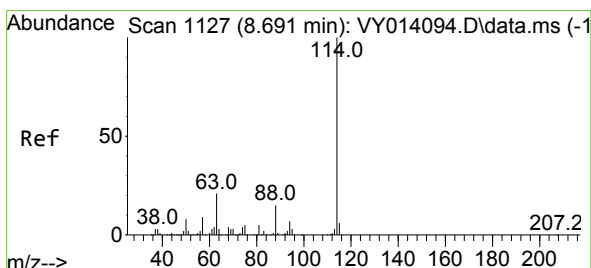
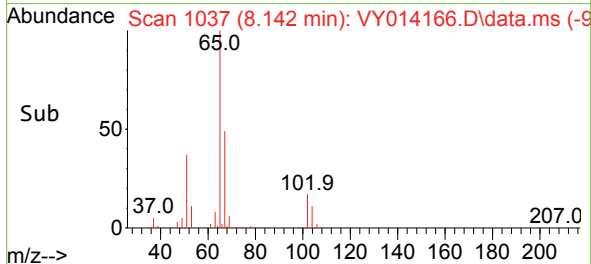
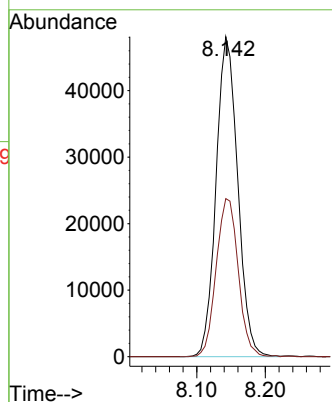
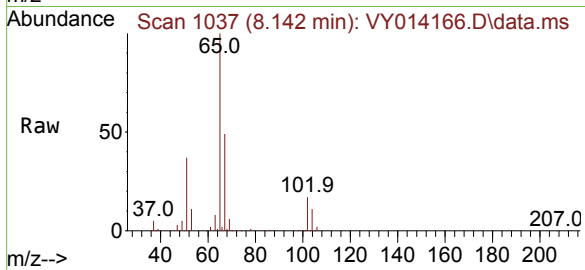
TOTAL-VOC-SB-05-GRAB-7

Tgt Ion: 65 Resp: 105350

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014166.D

Acq: 14 Jun 2023 20:10

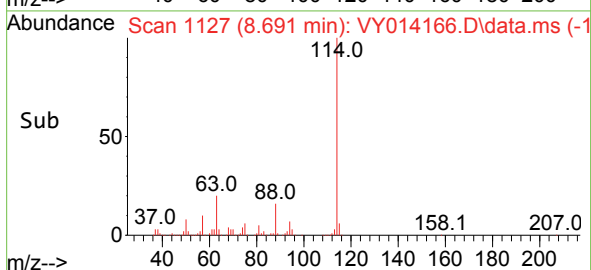
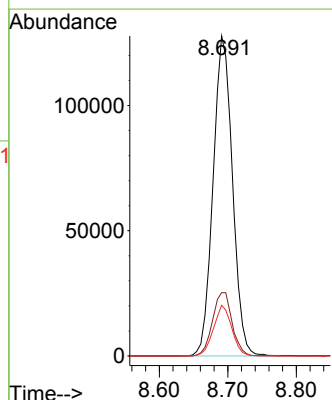
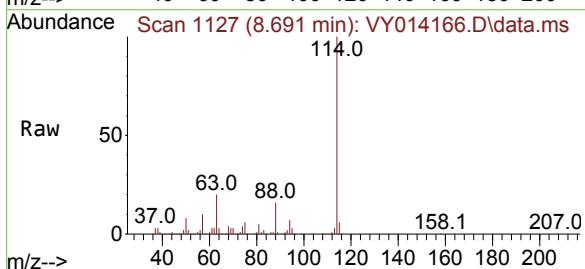
Tgt Ion: 114 Resp: 250535

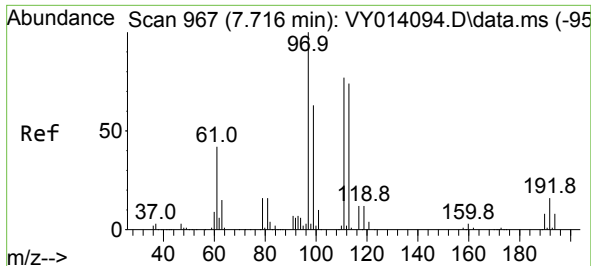
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.8 0.0 30.6

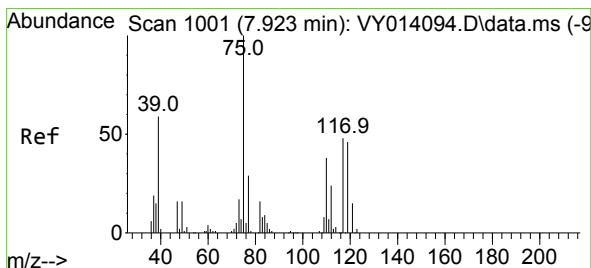
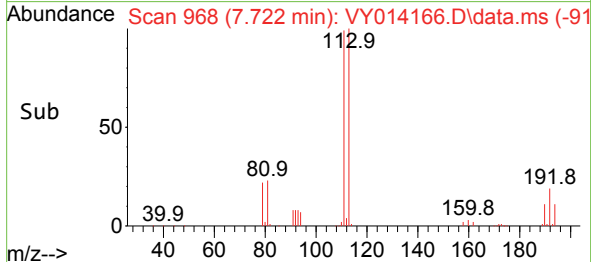
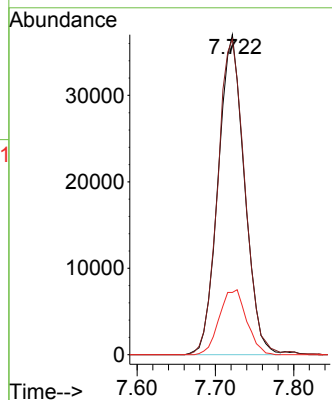
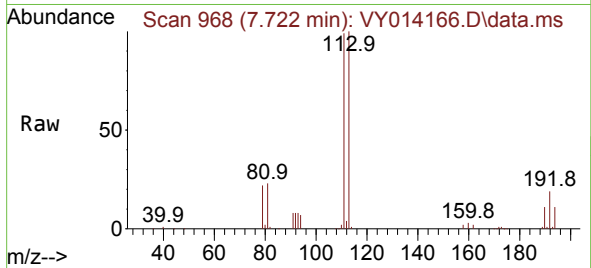




#35
Dibromofluoromethane
Concen: 48.534 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

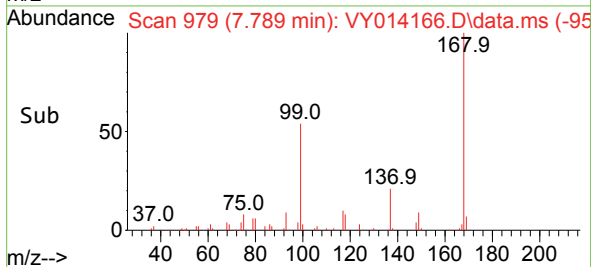
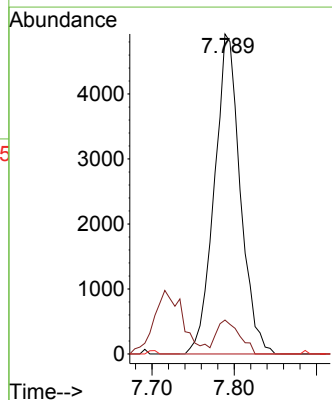
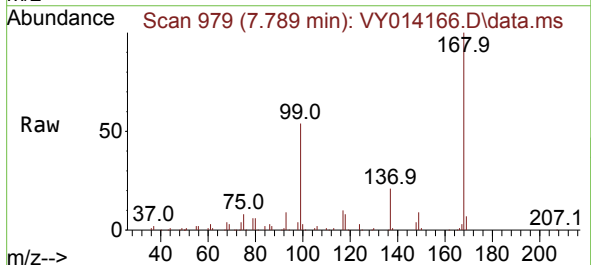
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TOTAL-VOC-SB-05-GRAB-7

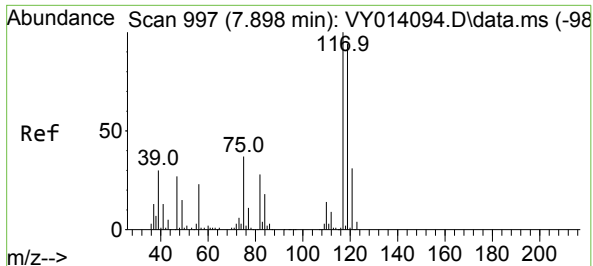
Tgt Ion:113 Resp: 86233
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 21.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.889 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

Tgt Ion: 75 Resp: 10772
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#

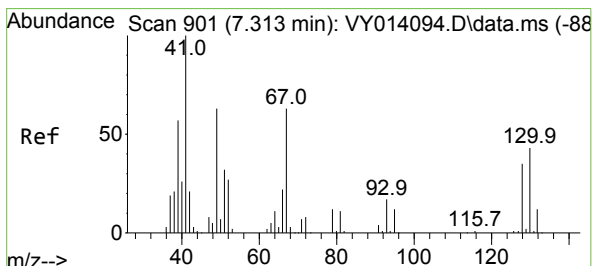
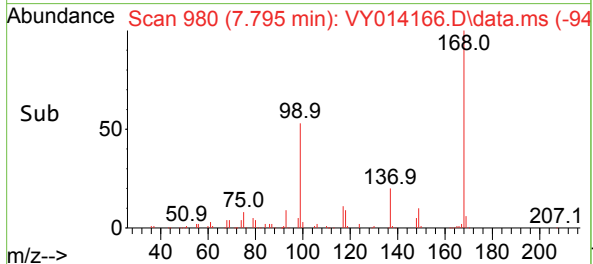
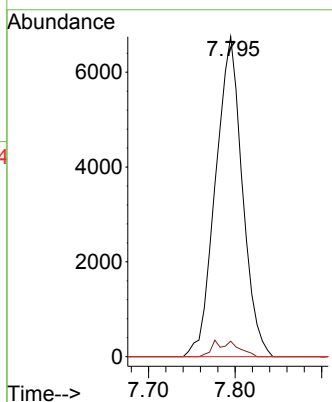
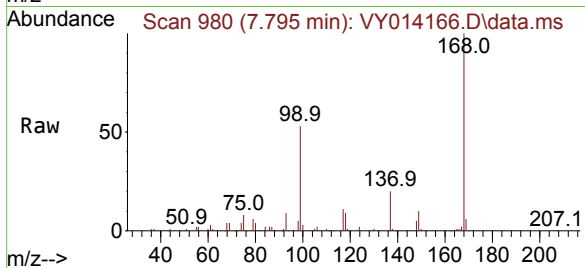




#38
Carbon Tetrachloride
Concen: 4.539 ug/l
RT: 7.795 min Scan# 911
Delta R.T. -0.103 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

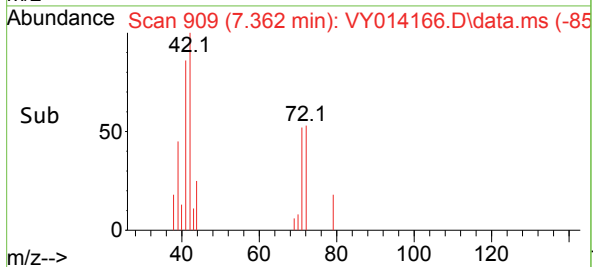
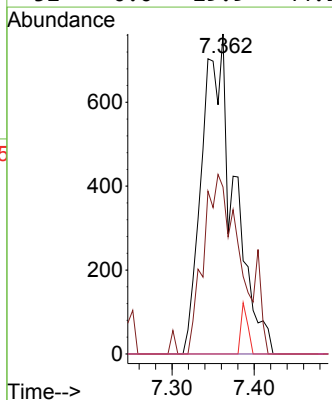
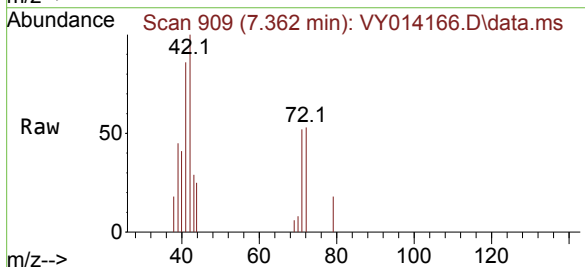
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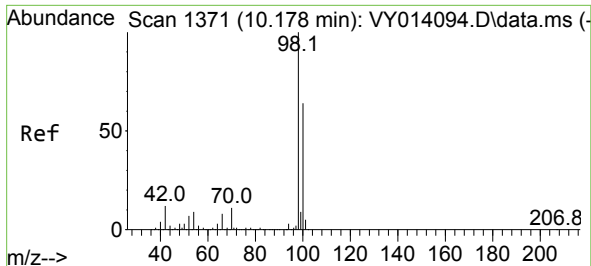
Tgt Ion:117 Resp: 14509
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.129 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.049 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

Tgt Ion: 41 Resp: 2077
Ion Ratio Lower Upper
41 100
39 64.9 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

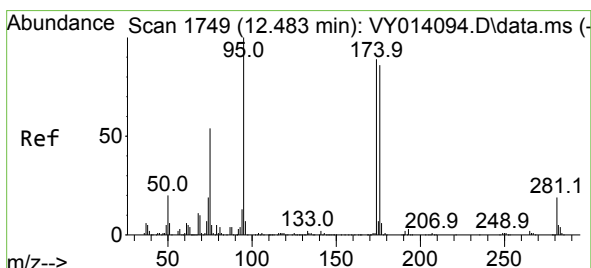
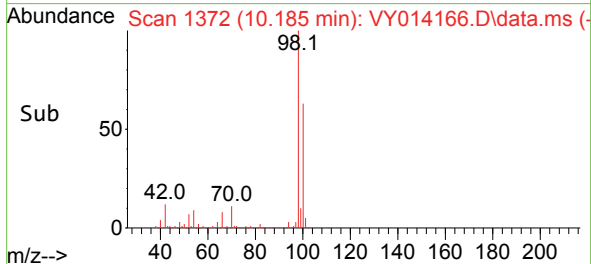
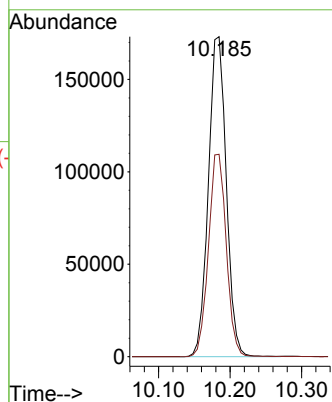
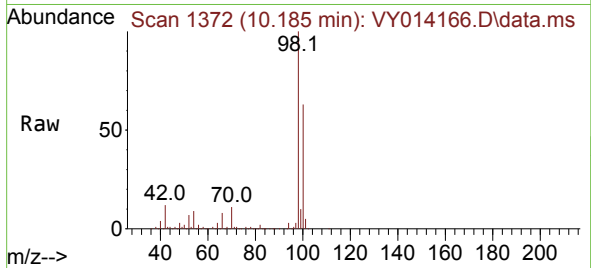




#50
Toluene-d8
Concen: 45.323 ug/l
RT: 10.185 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

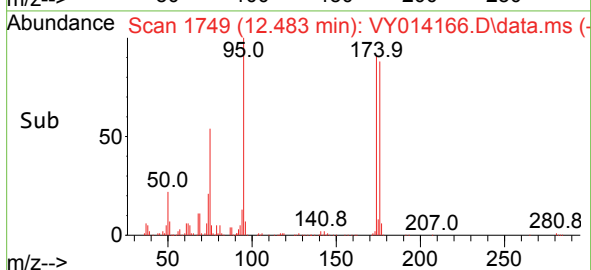
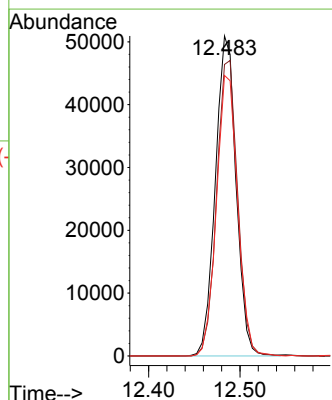
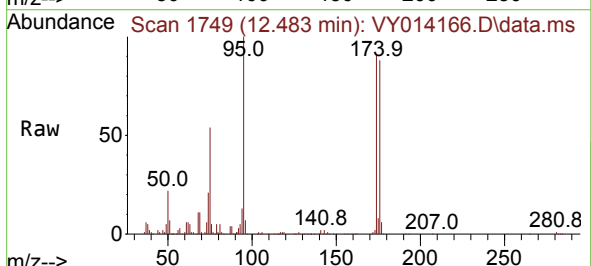
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-7

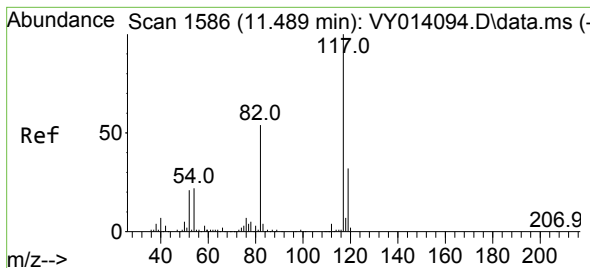
Tgt Ion: 98 Resp: 301056
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 34.025 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

Tgt Ion: 95 Resp: 80287
Ion Ratio Lower Upper
95 100
174 93.7 0.0 178.2
176 90.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY014166.D

Acq: 14 Jun 2023 20:10

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-7

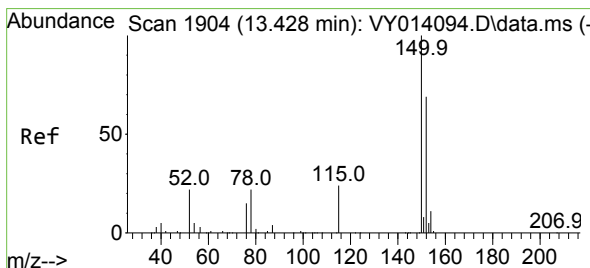
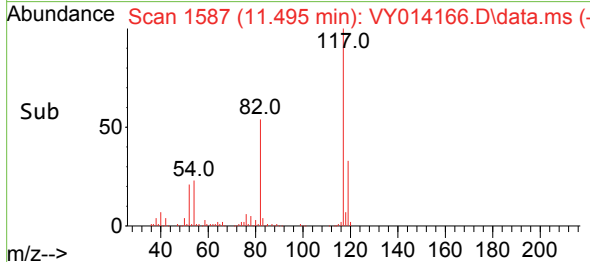
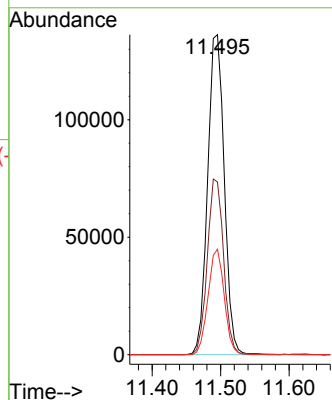
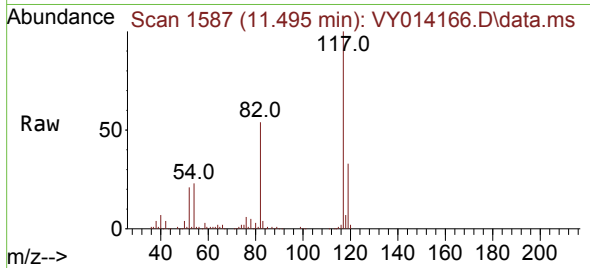
Tgt Ion:117 Resp: 230010

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 33.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY014166.D

Acq: 14 Jun 2023 20:10

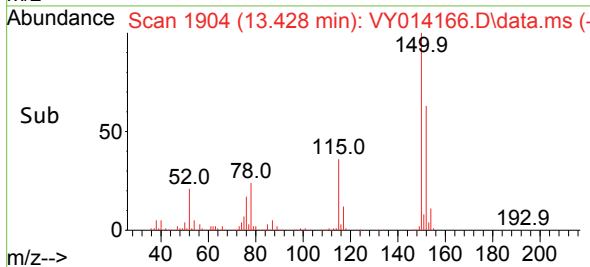
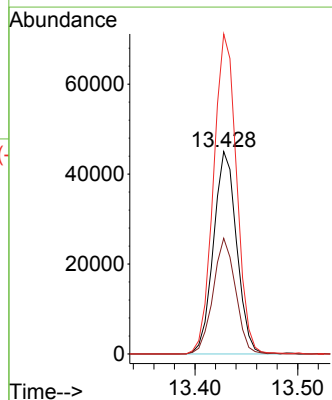
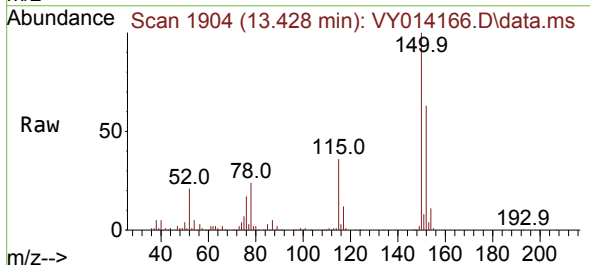
Tgt Ion:152 Resp: 70496

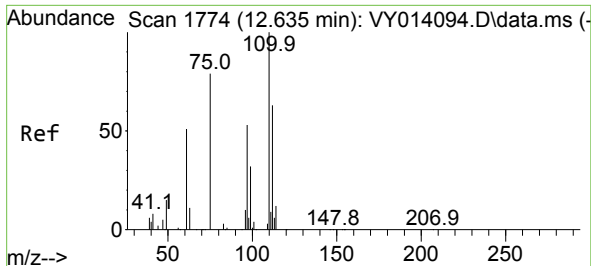
Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.5

150 157.5 0.0 348.8

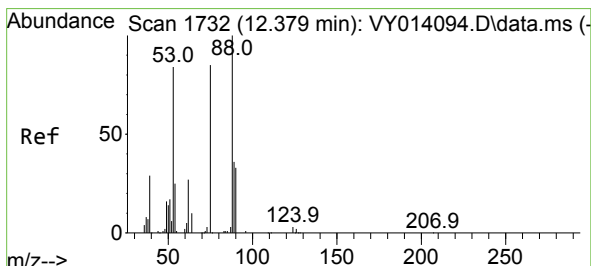
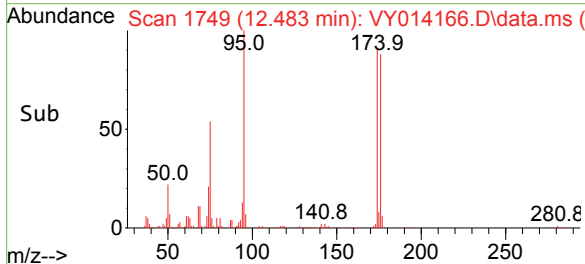
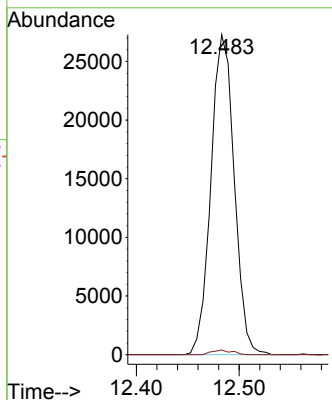
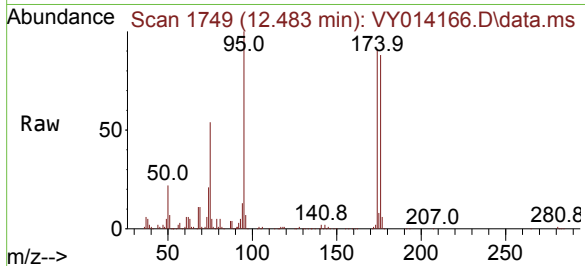




#76
1,2,3-Trichloropropane
Concen: 46.427 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-7

Tgt Ion: 75 Resp: 42940
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.357 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014166.D
Acq: 14 Jun 2023 20:10

Tgt Ion: 75 Resp: 42940
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#

