

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014239.D
 Acq On : 19 Jun 2023 19:42
 Operator : KP/MD
 Sample : 03255-12
 Misc : 6.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-7RE

Quant Time: Jun 20 05:01:10 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)

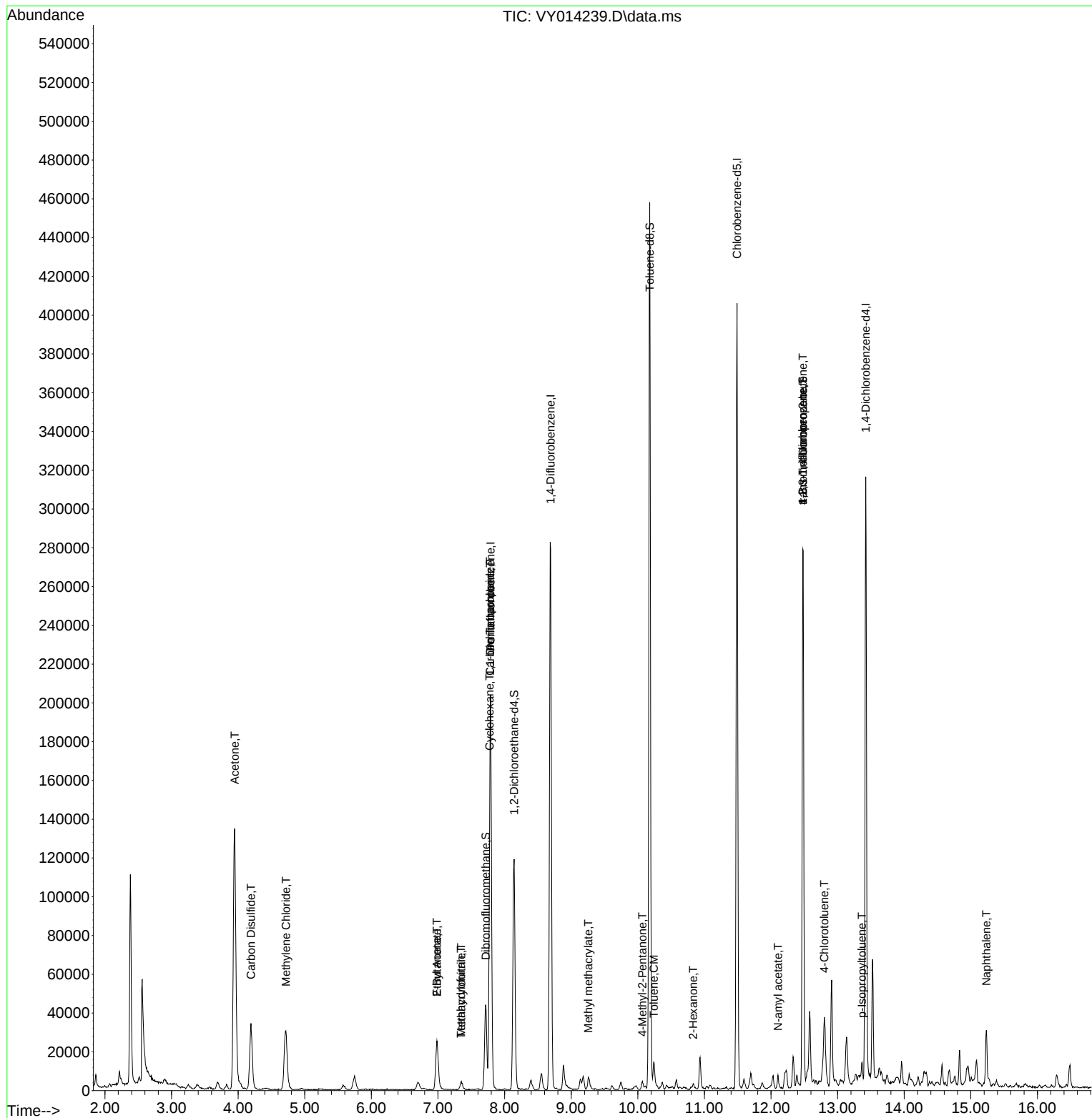
Internal Standards						
1) Pentafluorobenzene	7.789	168	154061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	97136	45.278	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.560%
35) Dibromofluoromethane	7.716	113	29731	17.464	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	34.920%#
50) Toluene-d8	10.179	98	291672	45.826	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.660%
62) 4-Bromofluorobenzene	12.477	95	81015	35.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	616	Below Cal	#	89
13) Acrolein	3.723	56	210	Below Cal	#	14
16) Acetone	3.948	43	239668	370.620	ug/l	99
17) Carbon Disulfide	4.192	76	62065	10.888	ug/l	97
20) Methylene Chloride	4.716	84	22271	7.759	ug/l	95
25) 2-Butanone	6.984	43	37275	46.827	ug/l	99
29) Tetrahydrofuran	7.344	42	2788	5.523	ug/l	# 88
31) Cyclohexane	7.777	56	4079	1.419	ug/l	# 40
36) 1,1-Dichloropropene	7.783	75	11232	4.232	ug/l	# 51
37) Ethyl Acetate	6.984	43	37275	20.354	ug/l	# 73
38) Carbon Tetrachloride	7.783	117	15450	5.044	ug/l	# 16
41) Methacrylonitrile	7.350	41	2065	2.209	ug/l	# 39
48) Methyl methacrylate	9.258	41	1936	1.293	ug/l	# 45
51) 4-Methyl-2-Pentanone	10.069	43	3052	1.750	ug/l	97
52) Toluene	10.240	92	5312	1.086	ug/l	99
59) 2-Hexanone	10.831	43	1954	1.551	ug/l	93
74) N-amyl acetate	12.105	43	4118	2.145	ug/l	# 57
76) 1,2,3-Trichloropropane	12.477	75	43042	41.315	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	43042	89.307	ug/l	# 11
82) 4-Chlorotoluene	12.800	91	5460	1.210	ug/l	# 40
86) p-Isopropyltoluene	13.367	119	5971	1.089	ug/l	93
95) Naphthalene	15.233	128	23432	6.675	ug/l	98

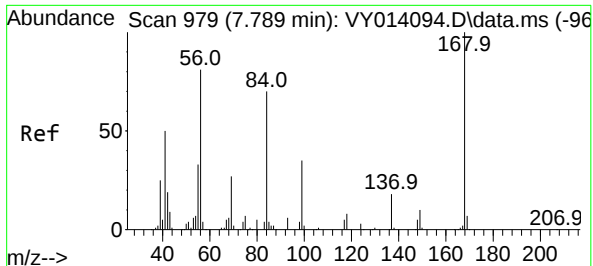
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
Response via : Initial Calibration

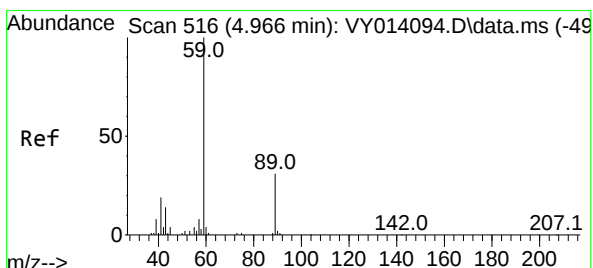
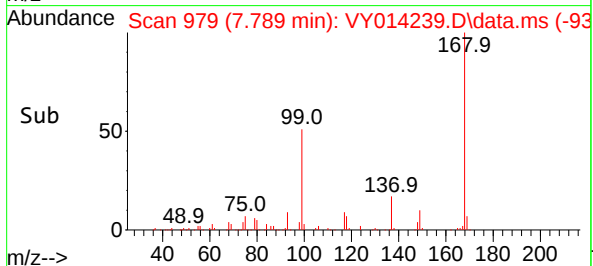
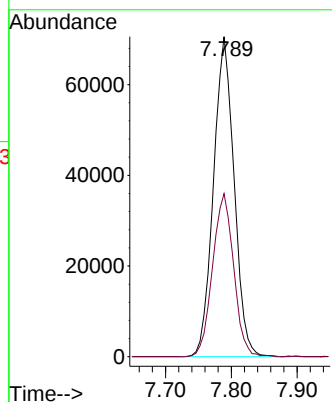
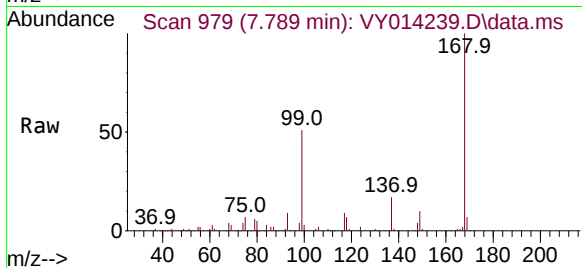




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

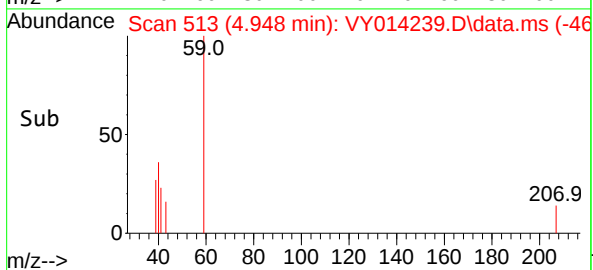
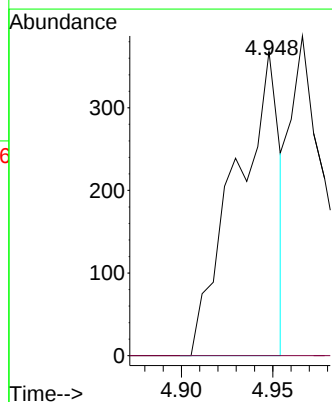
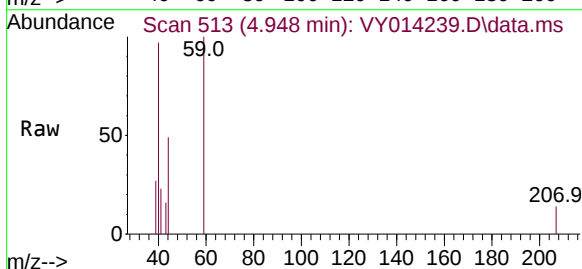
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

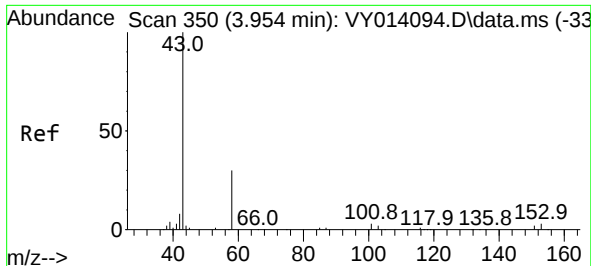
Tgt Ion:168 Resp: 154061
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

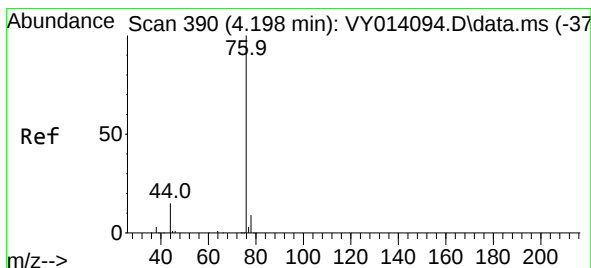
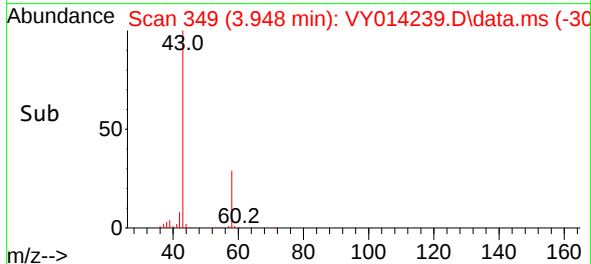
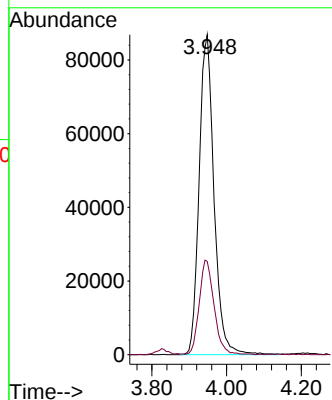
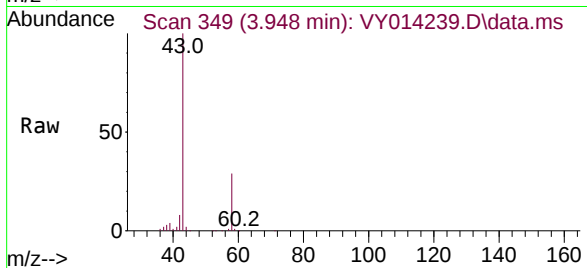




#16
Acetone
Concen: 370.620 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

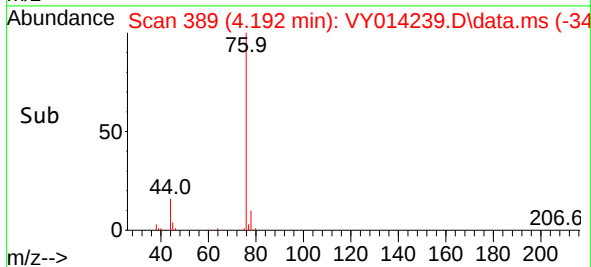
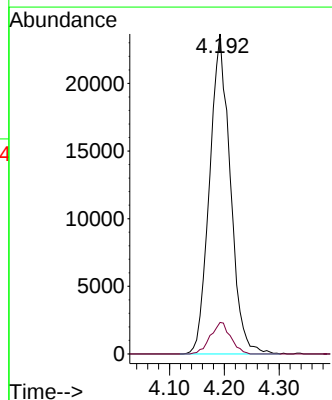
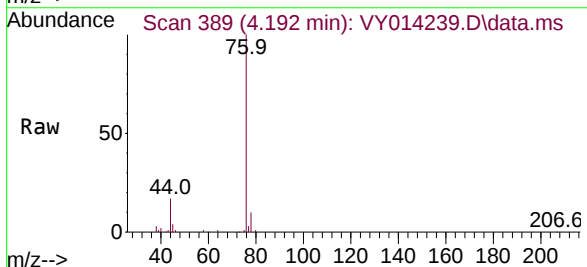
Instrument :
MSVOA_Y
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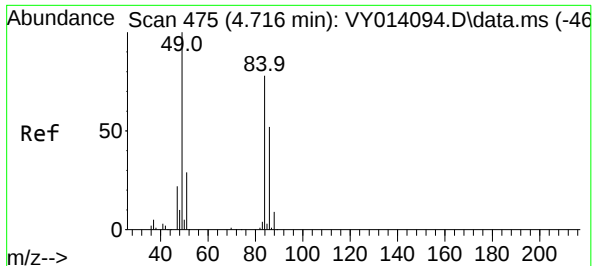
Tgt Ion: 43 Resp: 239668
Ion Ratio Lower Upper
43 100
58 29.0 22.7 34.1



#17
Carbon Disulfide
Concen: 10.888 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 76 Resp: 62065
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.4

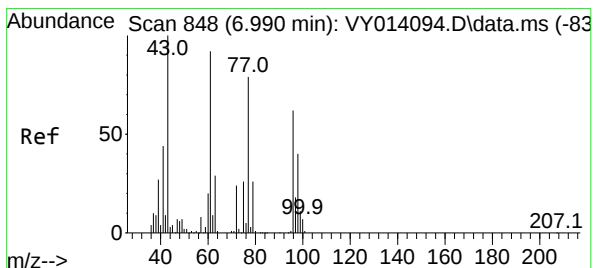
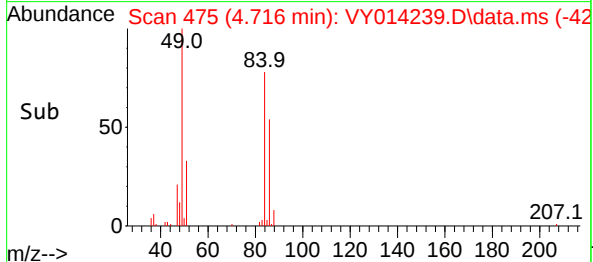
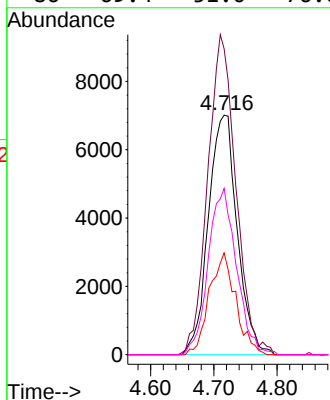
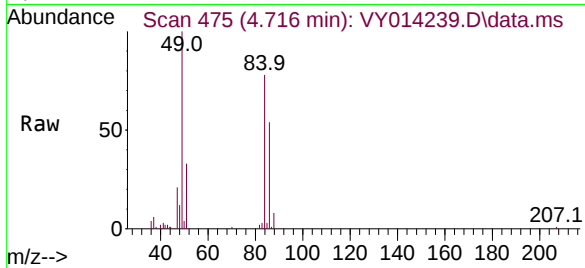




#20
Methylene Chloride
Concen: 7.759 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

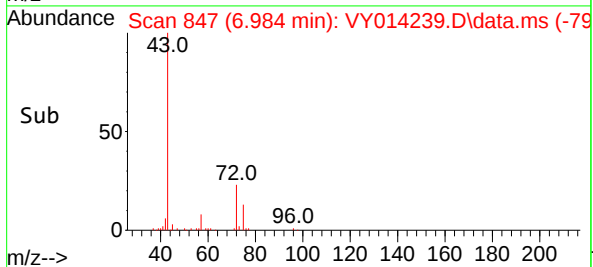
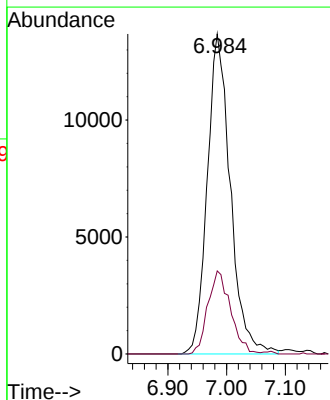
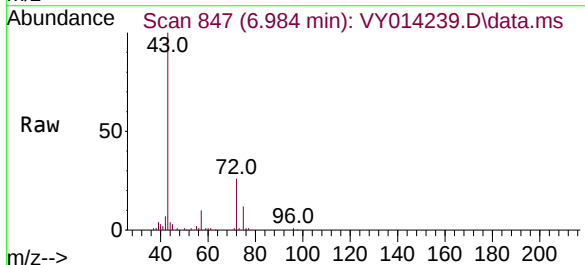
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

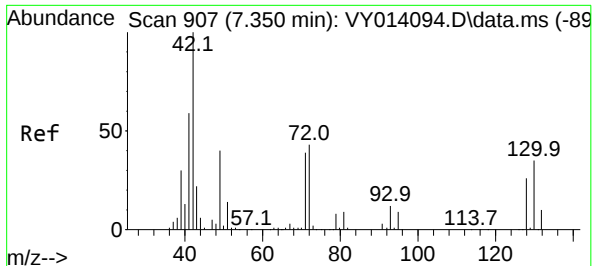
Tgt Ion:	84	Resp:	22271
Ion	Ratio	Lower	Upper
84	100		
49	127.7	106.9	160.3
51	42.5	33.2	49.8
86	69.4	51.0	76.6



#25
2-Butanone
Concen: 46.827 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion:	43	Resp:	37275
Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.5	30.7





#29

Tetrahydrofuran

Concen: 5.523 ug/l

RT: 7.344 min Scan# 907

Delta R.T. -0.006 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7RE

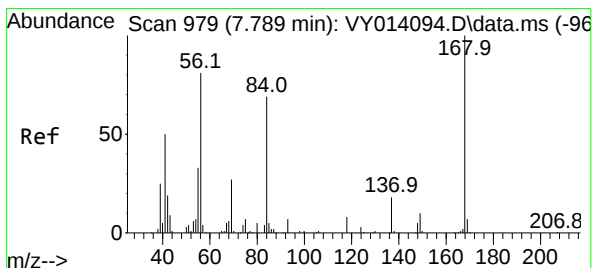
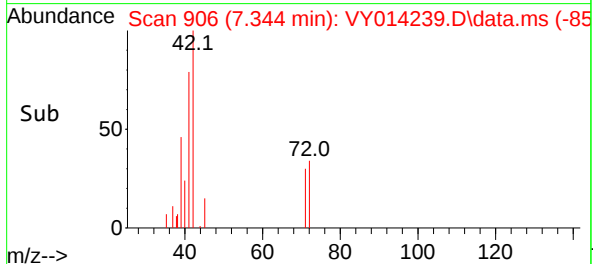
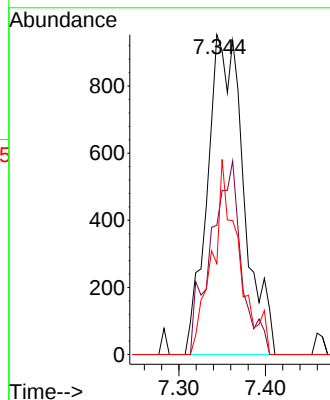
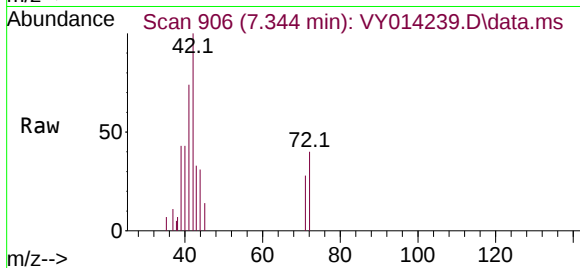
Tgt Ion: 42 Resp: 2788

Ion Ratio Lower Upper

42 100

72 50.7 32.8 49.2#

71 44.3 31.0 46.4



#31

Cyclohexane

Concen: 1.419 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

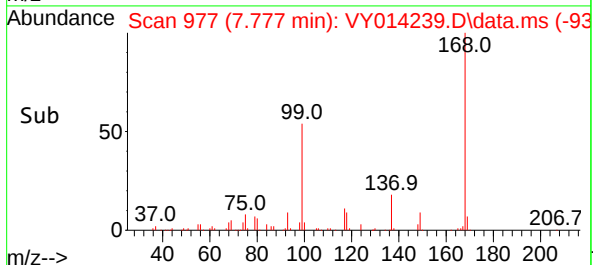
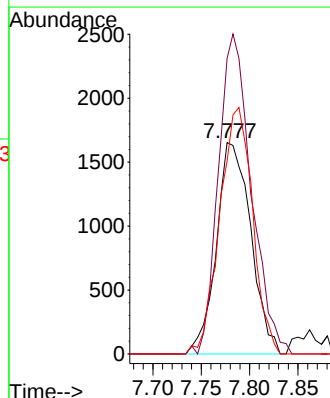
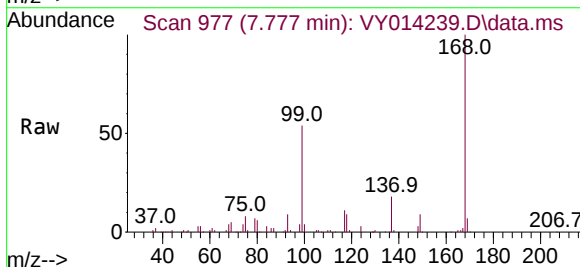
Tgt Ion: 56 Resp: 4079

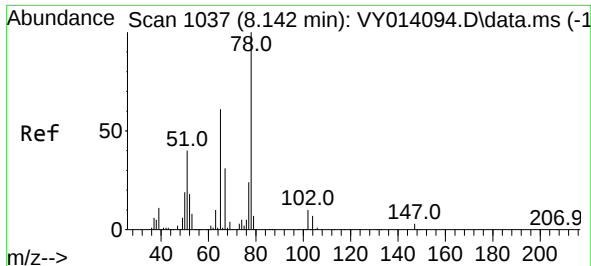
Ion Ratio Lower Upper

56 100

69 139.8 27.8 41.6#

84 91.2 66.4 99.6

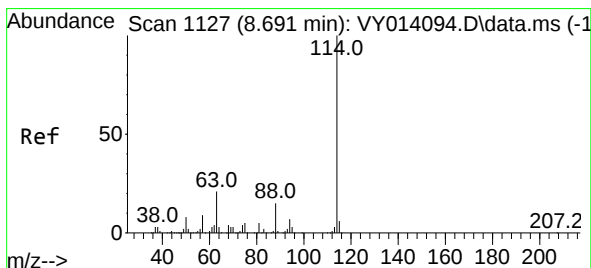
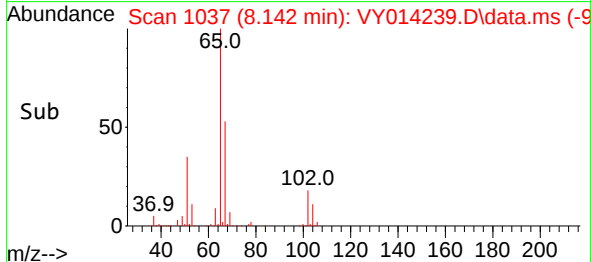
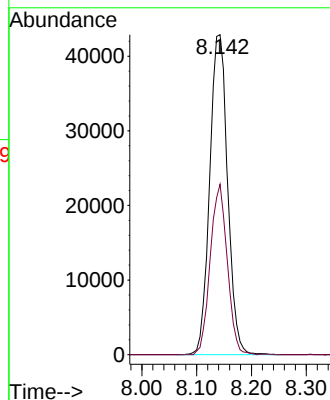
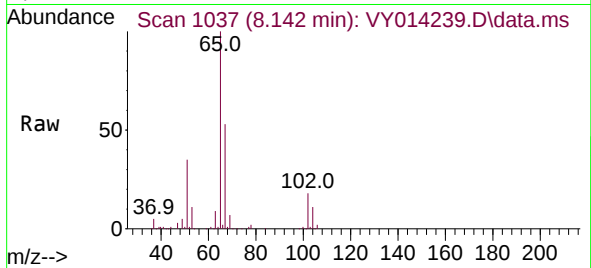




#33
 1,2-Dichloroethane-d4
 Concen: 45.278 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY014239.D
 Acq: 19 Jun 2023 19:42

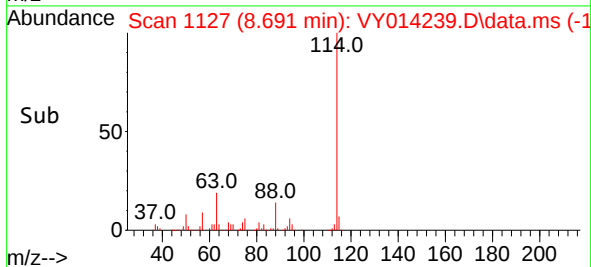
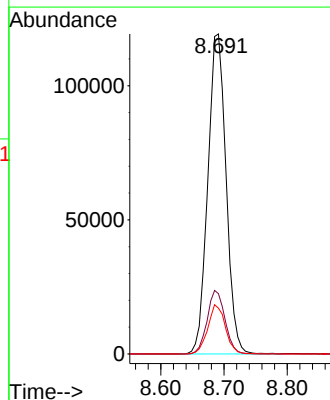
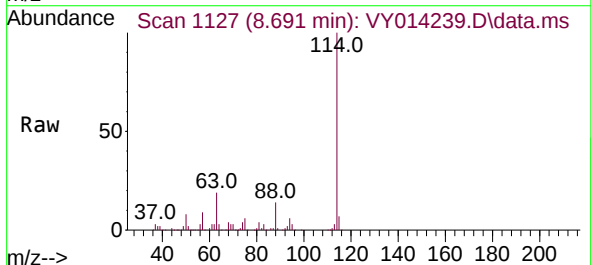
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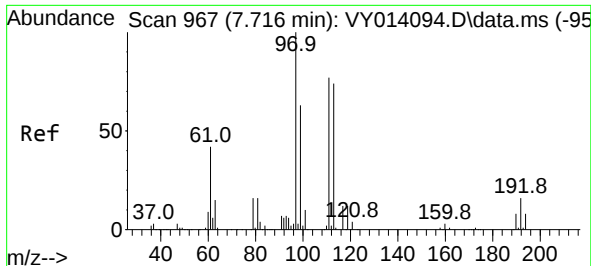
Tgt Ion: 65 Resp: 97136
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014239.D
 Acq: 19 Jun 2023 19:42

Tgt Ion: 114 Resp: 240058
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 14.3 0.0 30.6

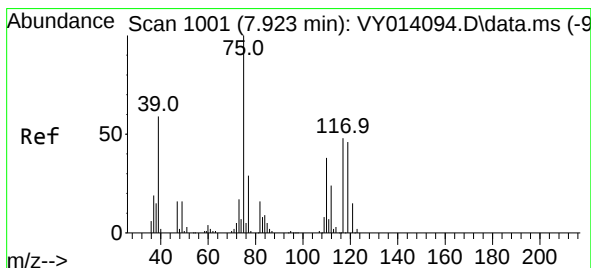
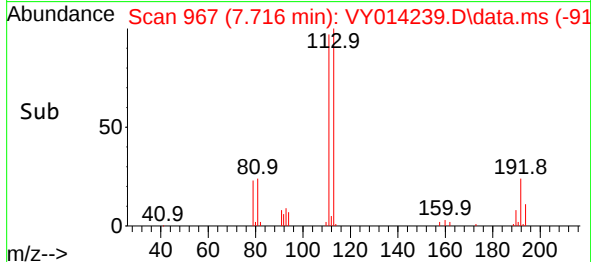
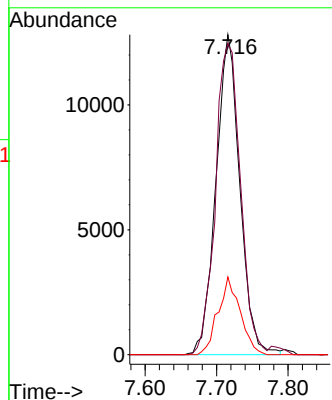
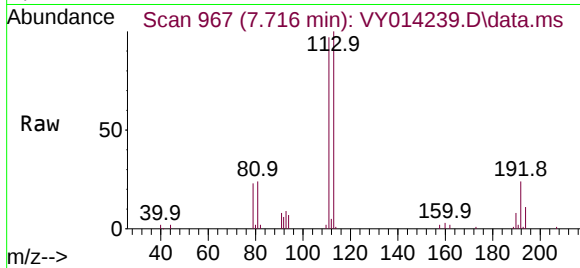




#35
Dibromofluoromethane
Concen: 17.464 ug/l
RT: 7.716 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

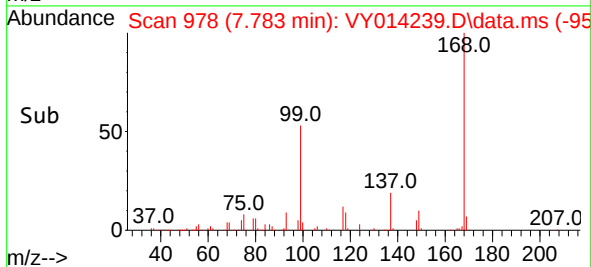
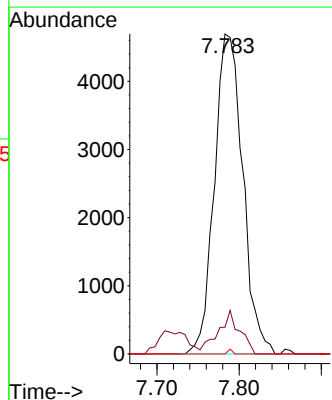
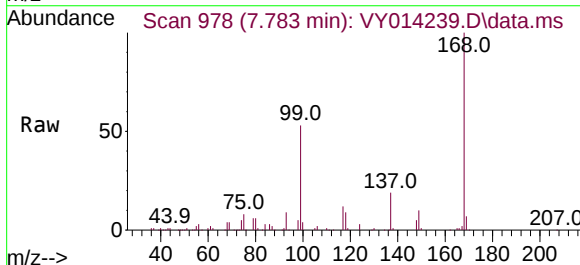
Instrument :
MSVOA_Y
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TOTAL-VOC-SB-34-GRAB-7RE

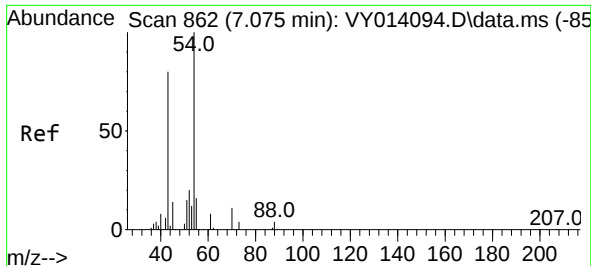
Tgt Ion:	113	Resp:	29731
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.3	121.9
192	22.5	16.9	25.3



#36
1,1-Dichloropropene
Concen: 4.232 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion:	75	Resp:	11232
Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 20.354 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY014239.D

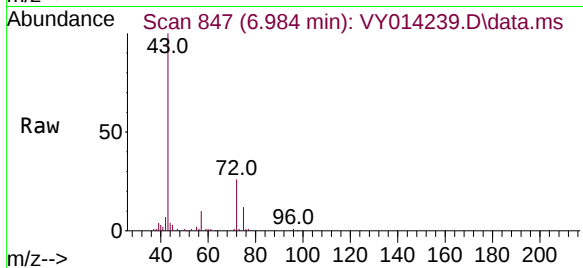
Acq: 19 Jun 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7RE



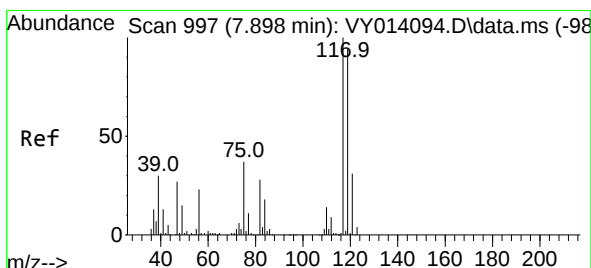
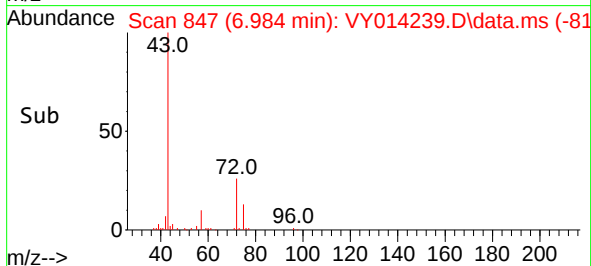
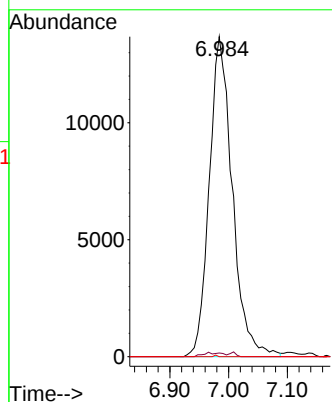
Tgt Ion: 43 Resp: 37275

Ion Ratio Lower Upper

43 100

61 1.1 10.1 15.1#

70 0.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.044 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

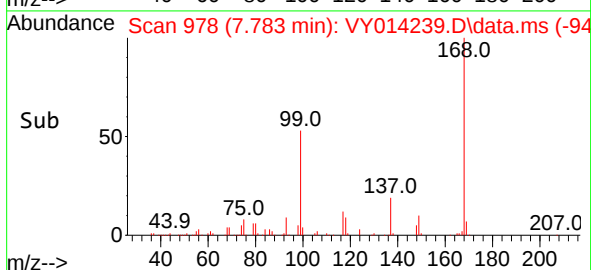
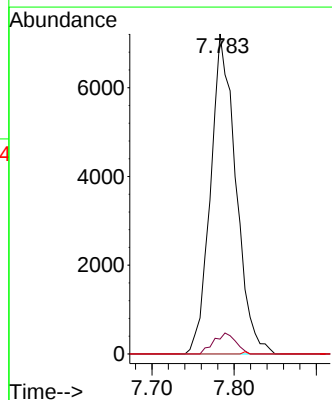
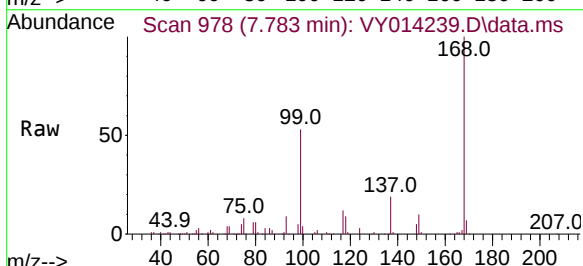
Tgt Ion: 117 Resp: 15450

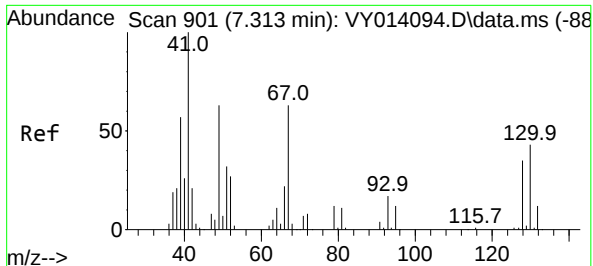
Ion Ratio Lower Upper

117 100

119 4.7 76.4 114.6#

121 0.0 25.8 38.6#

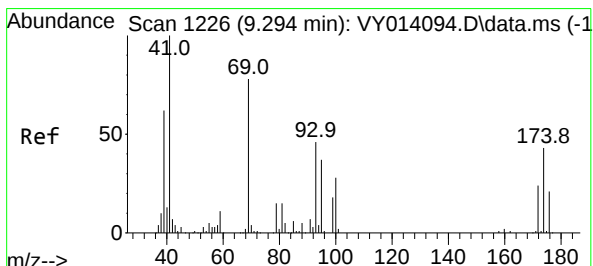
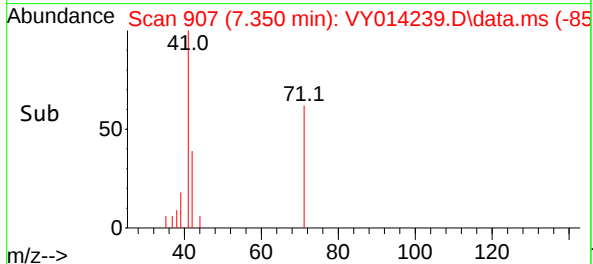
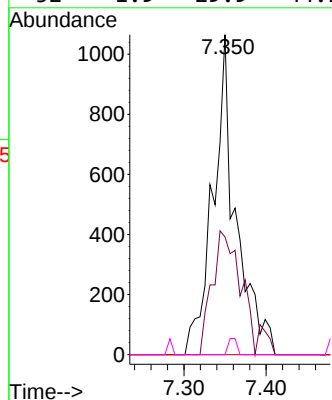
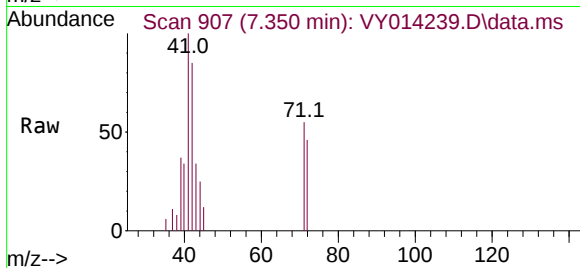




#41
Methacrylonitrile
Concen: 2.209 ug/l
RT: 7.350 min Scan# 901
Delta R.T. 0.037 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

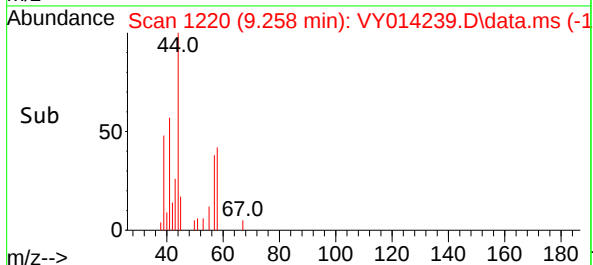
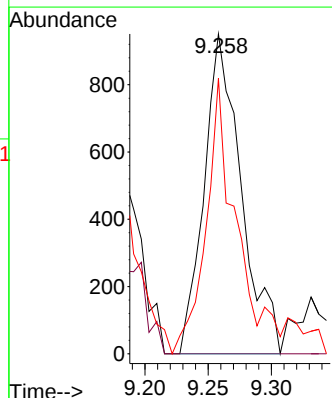
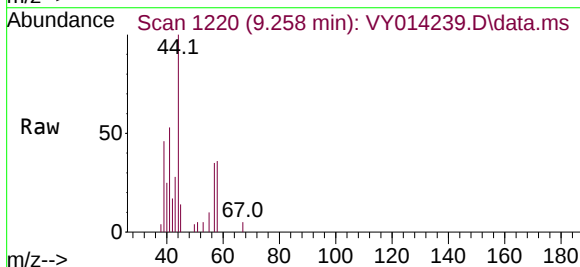
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

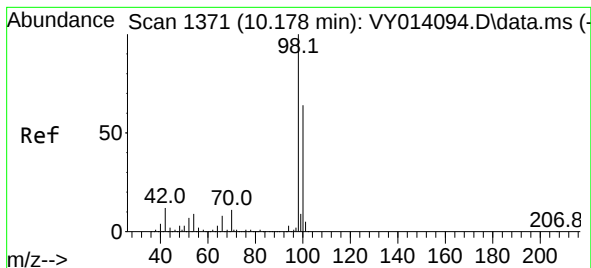
Tgt Ion:	41	Resp:	2065
Ion	Ratio	Lower	Upper
41	100		
39	47.6	52.1	78.1#
67	0.0	66.2	99.2#
52	1.9	29.9	44.9#



#48
Methyl methacrylate
Concen: 1.293 ug/l
RT: 9.258 min Scan# 1220
Delta R.T. -0.036 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion:	41	Resp:	1936
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.5	96.7#
39	70.1	50.8	76.2





#50

Toluene-d8

Concen: 45.826 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

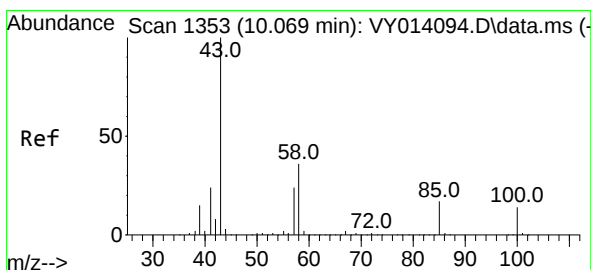
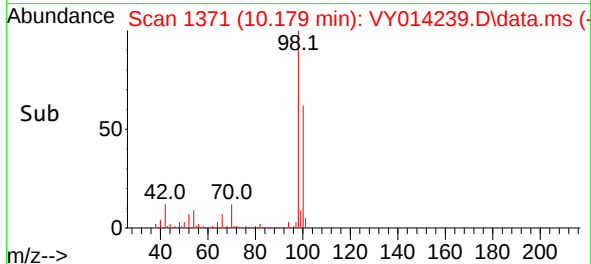
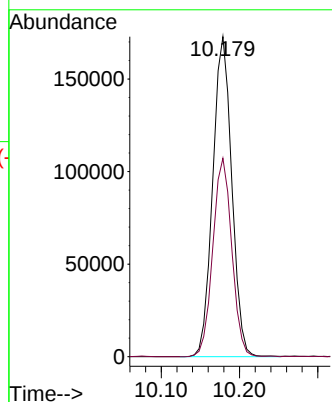
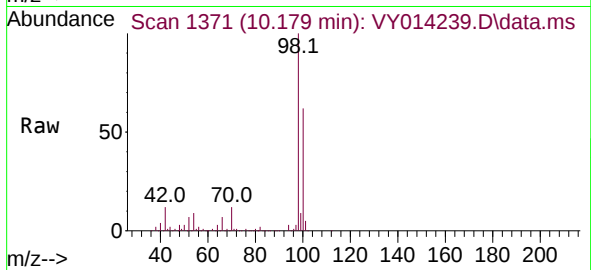
TOTAL-VOC-SB-34-GRAB-7RE

Tgt Ion: 98 Resp: 291672

Ion Ratio Lower Upper

98 100

100 61.8 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.750 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. -0.000 min

Lab File: VY014239.D

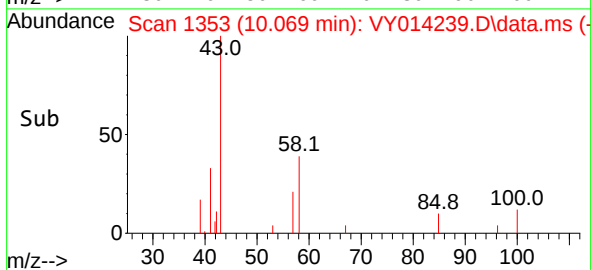
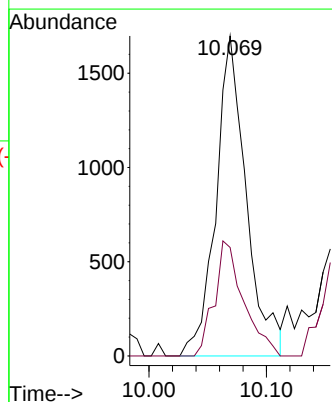
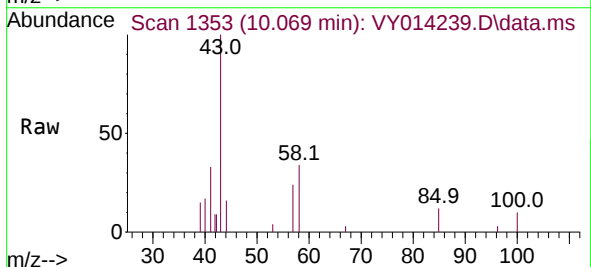
Acq: 19 Jun 2023 19:42

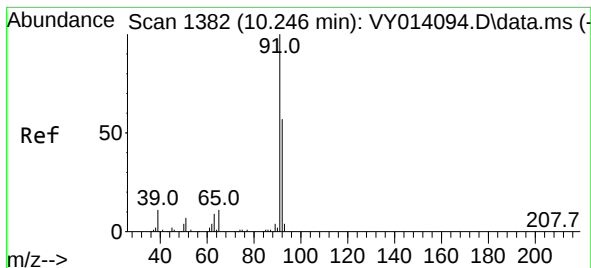
Tgt Ion: 43 Resp: 3052

Ion Ratio Lower Upper

43 100

58 34.5 29.0 43.6





#52

Toluene

Concen: 1.086 ug/l

RT: 10.240 min Scan# 1382

Delta R.T. -0.006 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

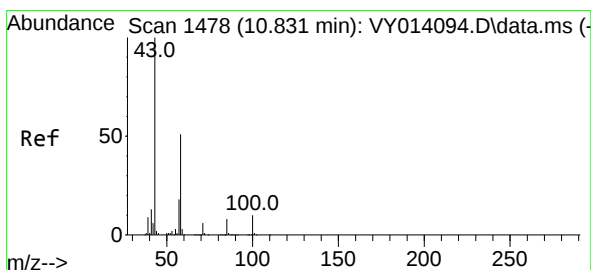
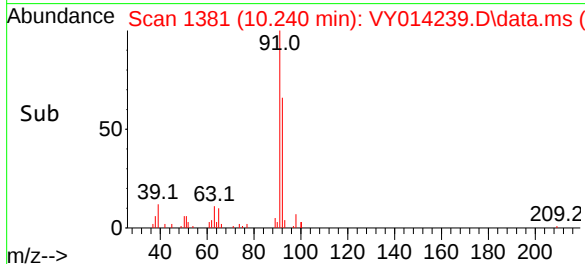
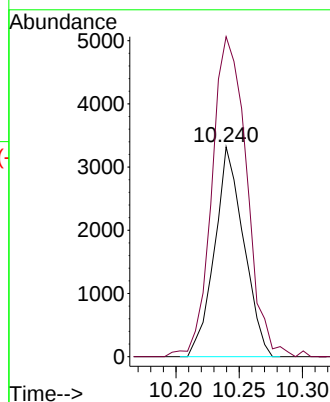
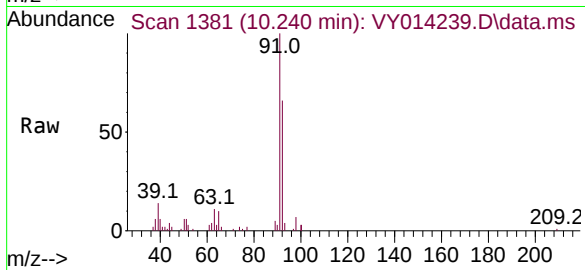
TOTAL-VOC-SB-34-GRAB-7RE

Tgt Ion: 92 Resp: 5312

Ion Ratio Lower Upper

92 100

91 181.6 143.8 215.6



#59

2-Hexanone

Concen: 1.551 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY014239.D

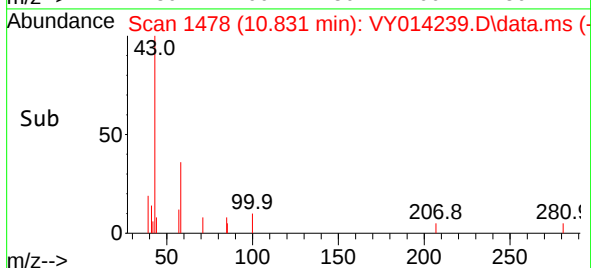
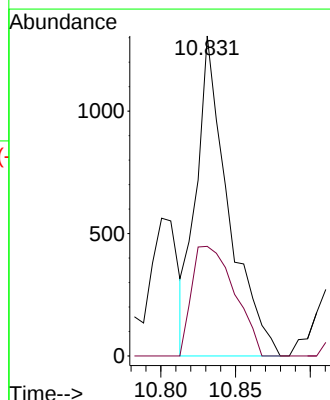
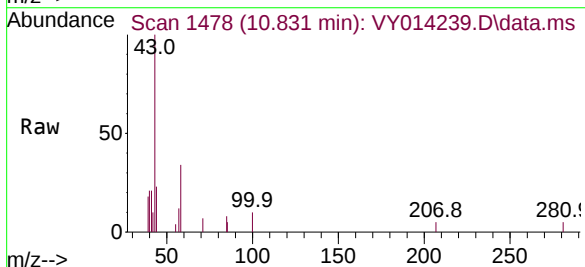
Acq: 19 Jun 2023 19:42

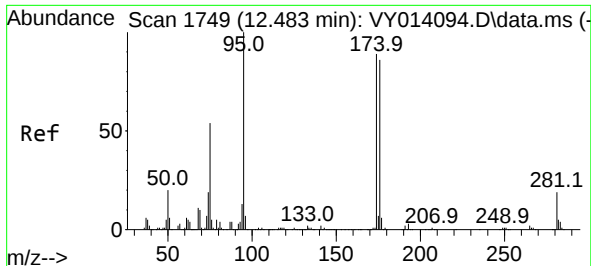
Tgt Ion: 43 Resp: 1954

Ion Ratio Lower Upper

43 100

58 45.7 25.1 75.3

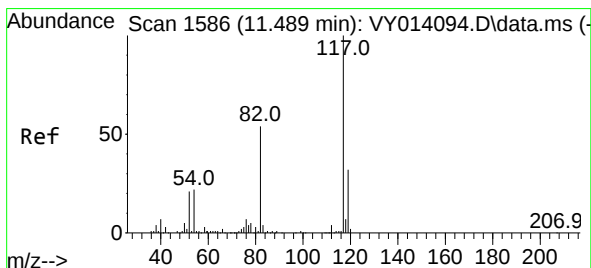
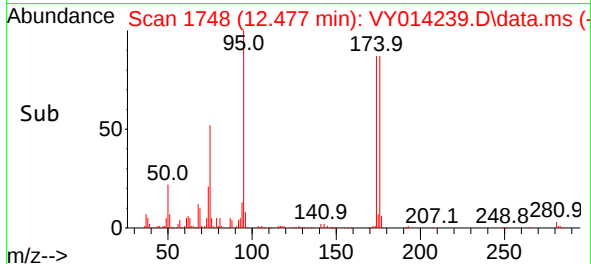
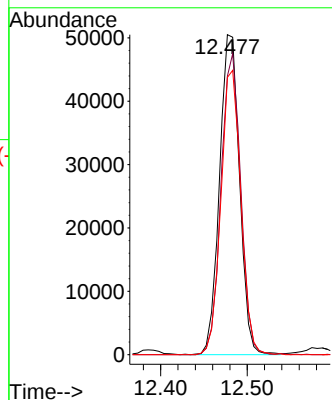
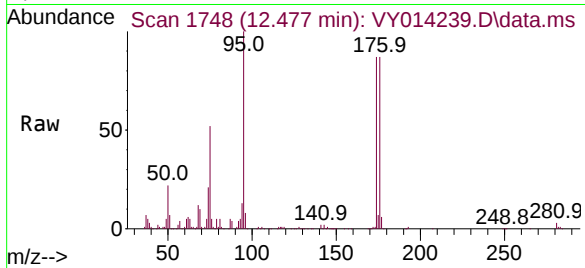




#62
4-Bromofluorobenzene
Concen: 35.832 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

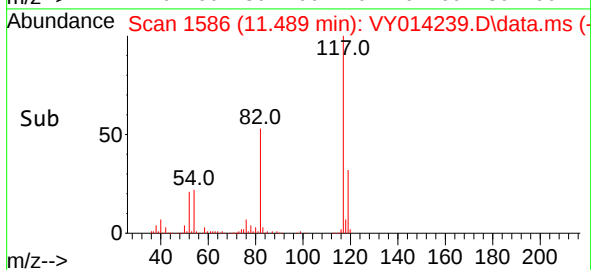
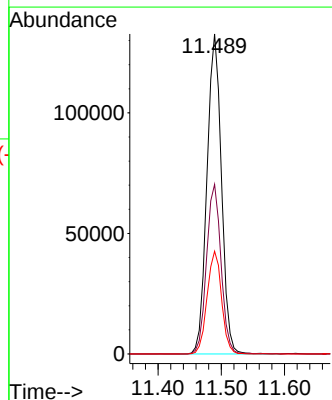
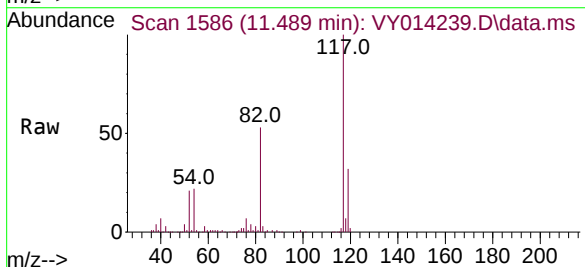
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

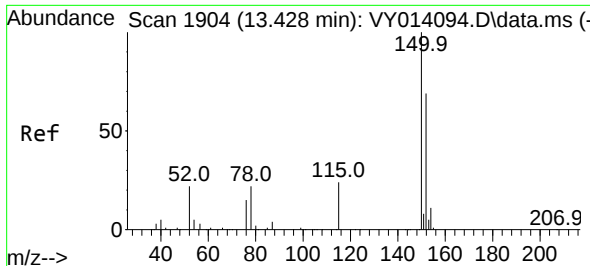
Tgt Ion: 95 Resp: 81015
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.2
176 89.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 117 Resp: 211526
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.1 26.3 39.5

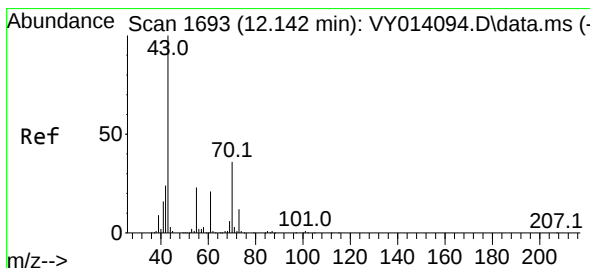
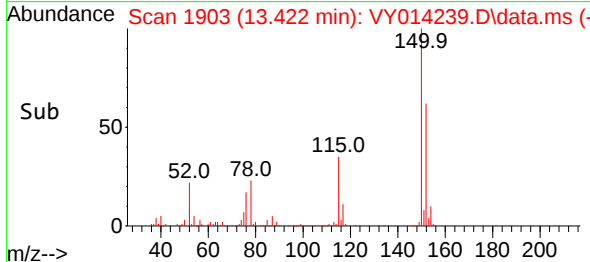
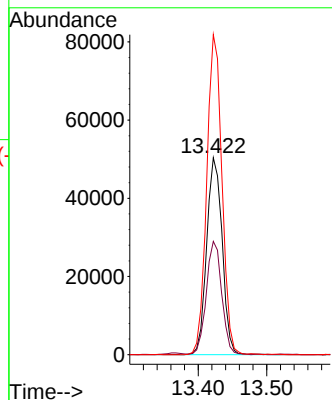
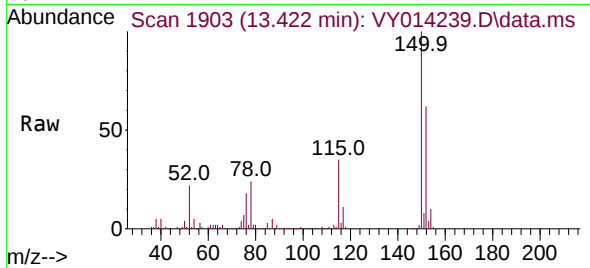




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

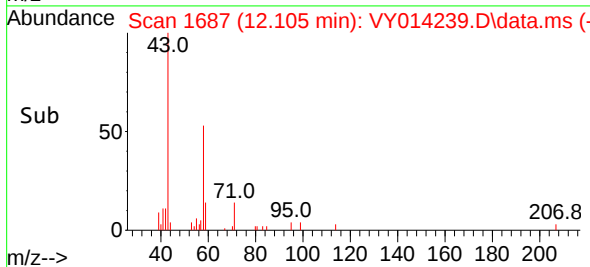
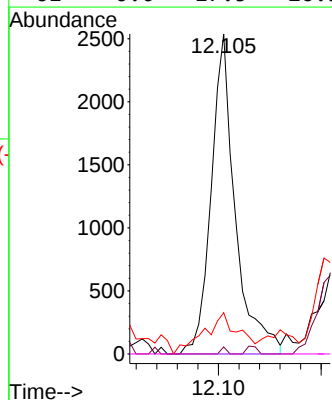
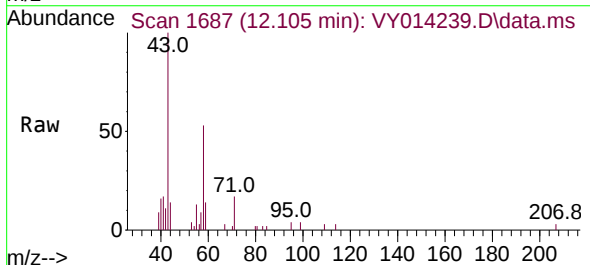
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

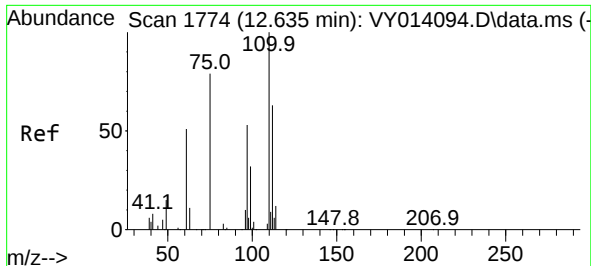
Tgt Ion:152 Resp: 79407
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 159.4 0.0 348.8



#74
N-ethyl acetate
Concen: 2.145 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 43 Resp: 4118
Ion Ratio Lower Upper
43 100
70 0.0 29.7 44.5#
55 18.6 18.3 27.5
61 0.0 17.5 26.3#

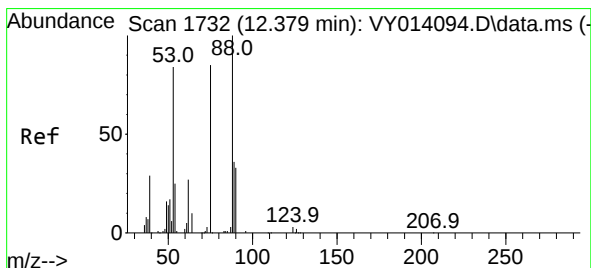
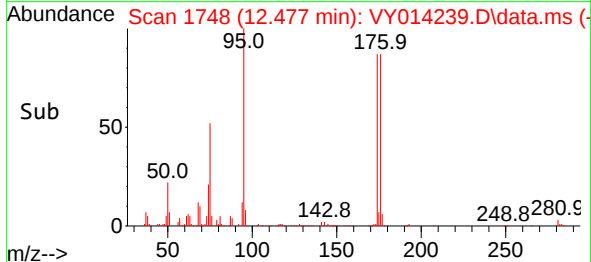
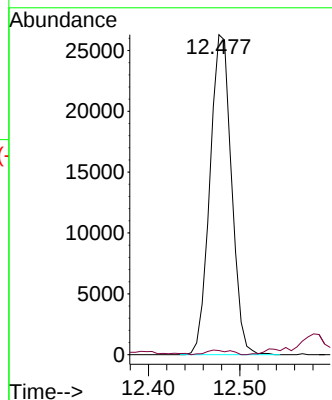
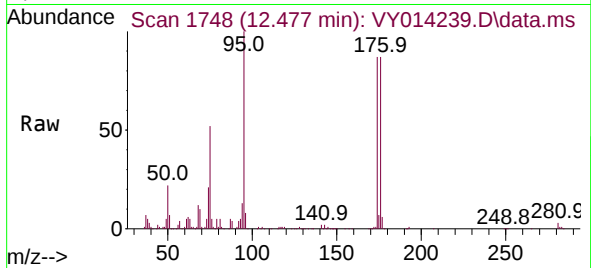




#76
1,2,3-Trichloropropane
Concen: 41.315 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

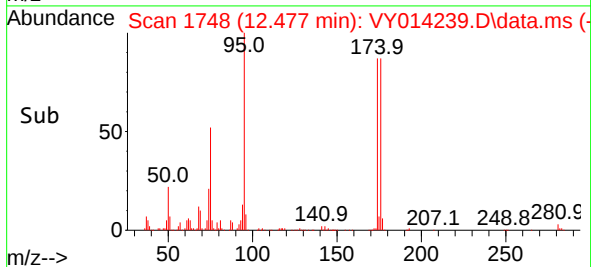
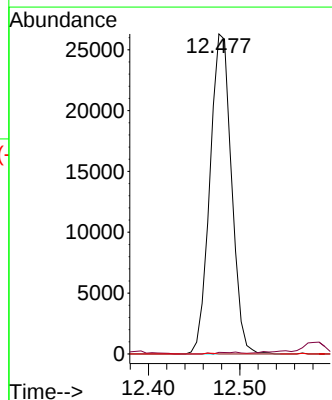
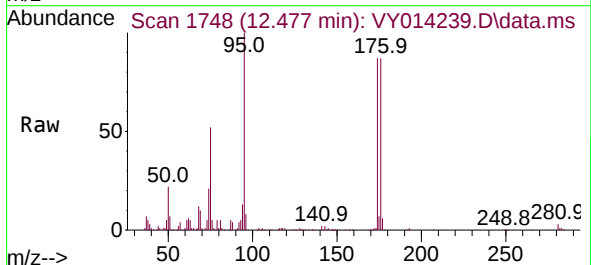
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

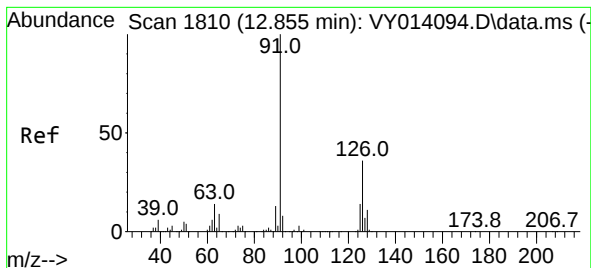
Tgt Ion: 75 Resp: 43042
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.307 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 75 Resp: 43042
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#82

4-Chlorotoluene

Concen: 1.210 ug/l

RT: 12.800 min Scan# 1810

Delta R.T. -0.055 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

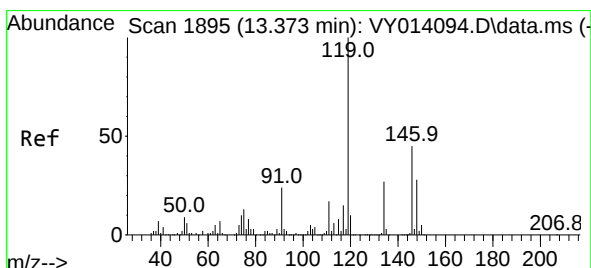
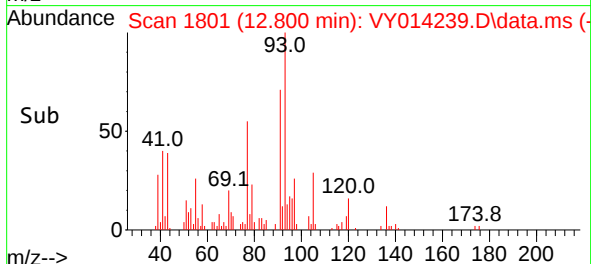
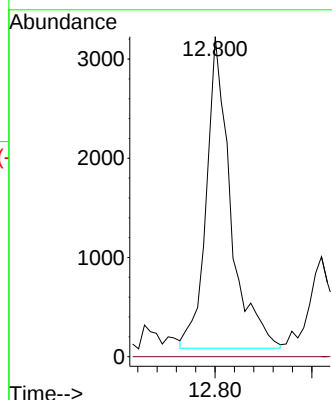
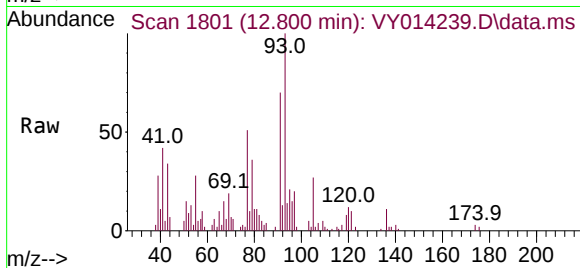
TOTAL-VOC-SB-34-GRAB-7RE

Tgt Ion: 91 Resp: 5460

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#86

p-Isopropyltoluene

Concen: 1.089 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

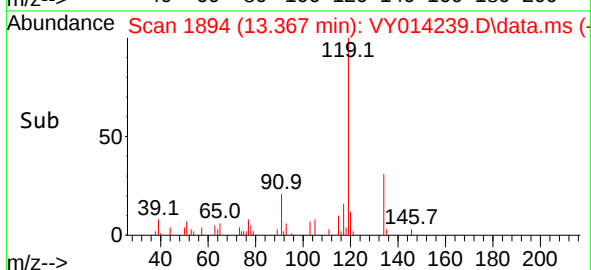
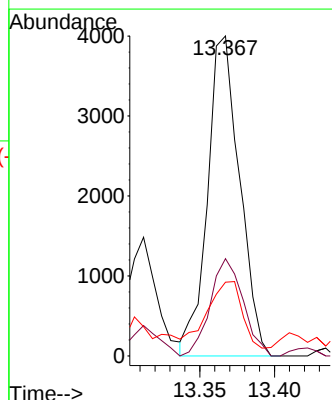
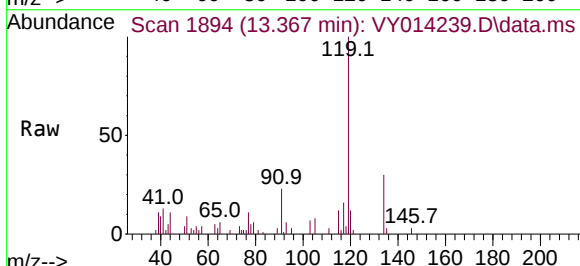
Tgt Ion: 119 Resp: 5971

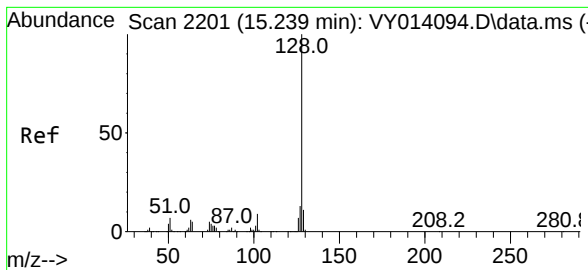
Ion Ratio Lower Upper

119 100

134 31.2 13.3 39.8

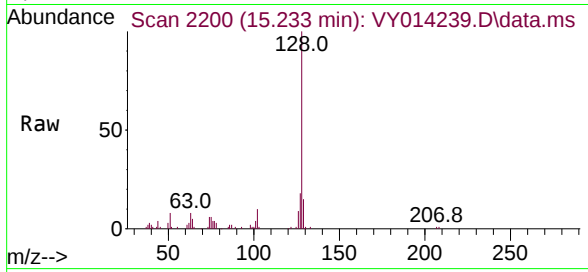
91 22.4 12.4 37.4





#95
Naphthalene
Concen: 6.675 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE



Tgt Ion:	128	Resp:	23432
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	11.9	8.6	13.0

