

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011648.D
 Acq On : 30 Nov 2022 17:59
 Operator : KP/MD
 Sample : N5807-02
 Misc : 3.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-2-GRAB

Quant Time: Dec 01 05:26:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

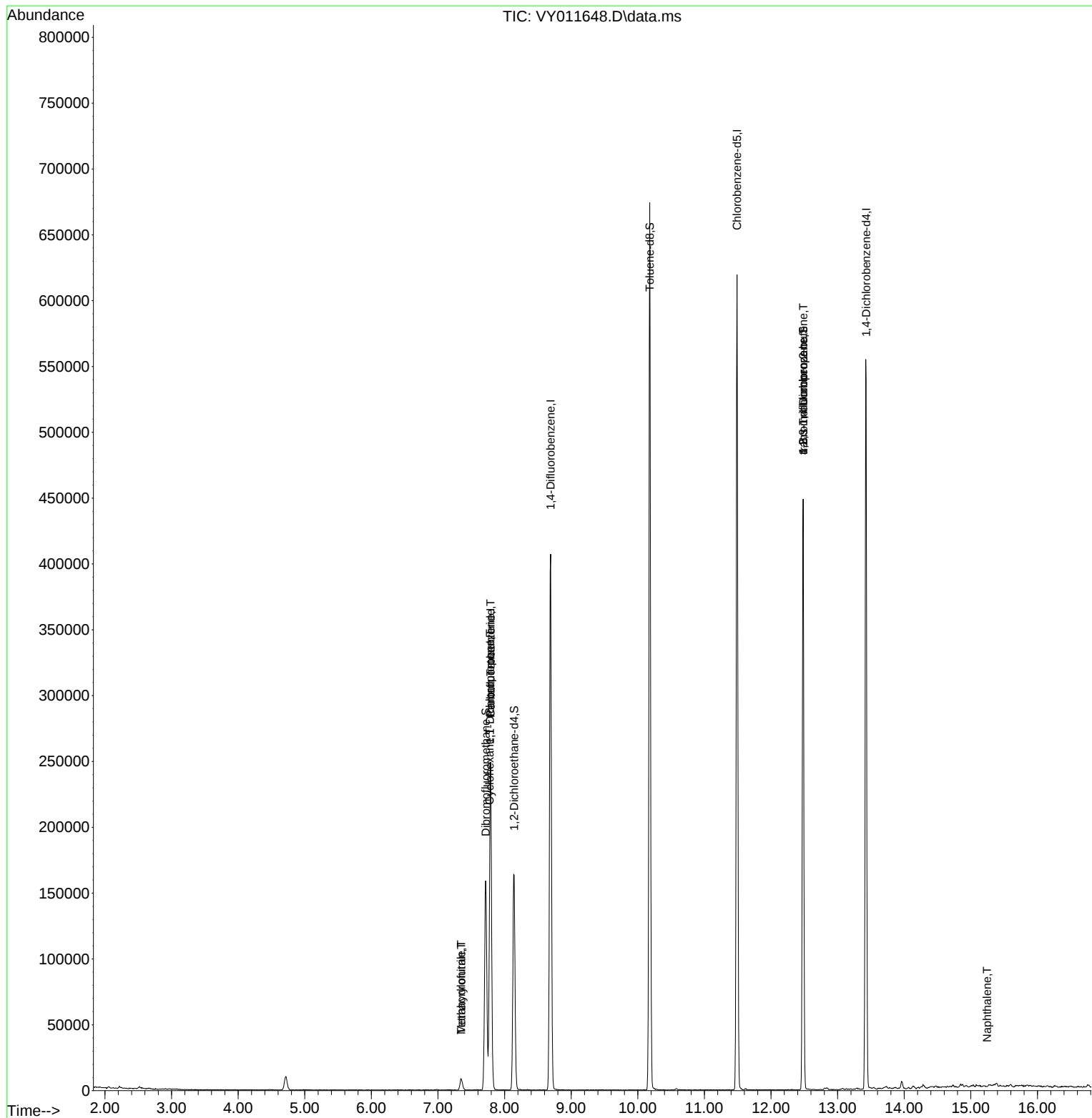
Internal Standards						
1) Pentafluorobenzene	7.789	168	187076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	342846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	130174	68.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.060%	
35) Dibromofluoromethane	7.716	113	110099	52.166	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.340%	
50) Toluene-d8	10.179	98	416611	54.321	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.640%	
62) 4-Bromofluorobenzene	12.483	95	133926	47.230	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	140	Below Cal	#	44
5) Bromomethane	2.656	94	53	Below Cal		88
11) Tert butyl alcohol	4.954	59	29	Below Cal	#	77
18) Methyl Acetate	4.491	43	221	Below Cal	#	56
20) Methylene Chloride	4.716	84	7416	Below Cal		91
29) Tetrahydrofuran	7.350	42	6932	15.137	ug/l	97
31) Cyclohexane	7.777	56	4090	1.299	ug/l #	19
36) 1,1-Dichloropropene	7.783	75	14430	4.374	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19826	5.372	ug/l #	16
41) Methacrylonitrile	7.350	41	4194	4.416	ug/l #	43
76) 1,2,3-Trichloropropane	12.483	75	70277	46.061	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	70277	100.890	ug/l #	7
95) Naphthalene	15.245	128	177	4.053	ug/l #	69

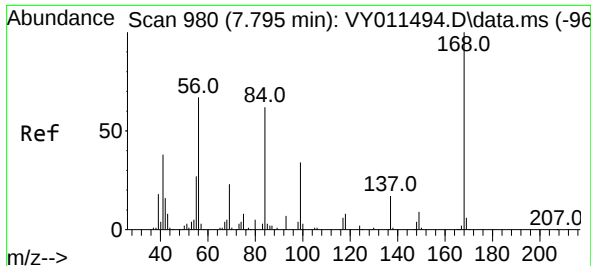
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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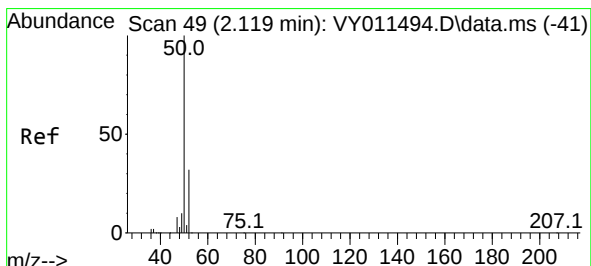
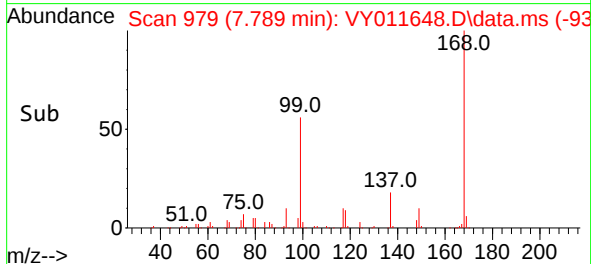
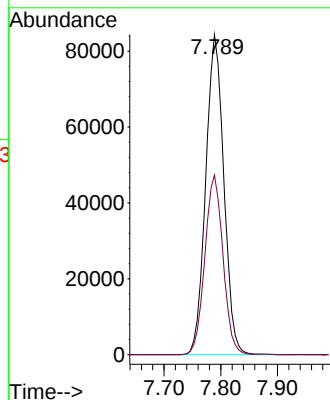
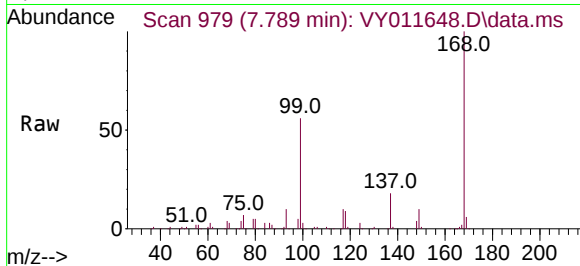




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

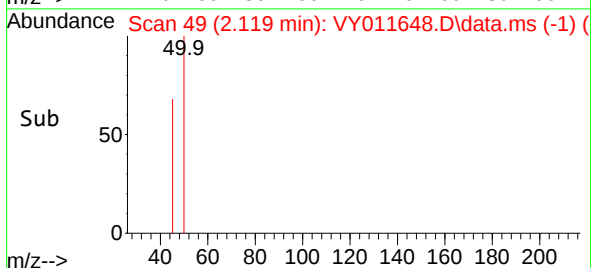
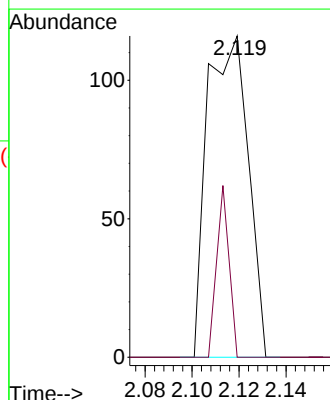
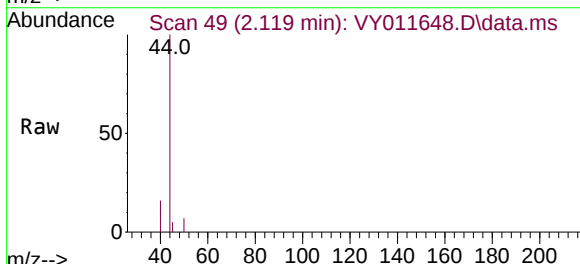
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

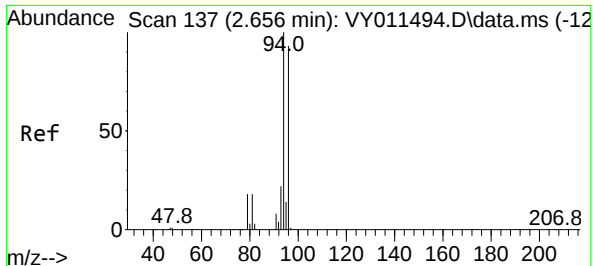
Tgt Ion:168 Resp: 187076
Ion Ratio Lower Upper
168 100
99 56.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

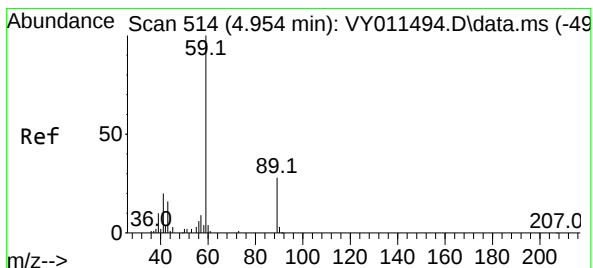
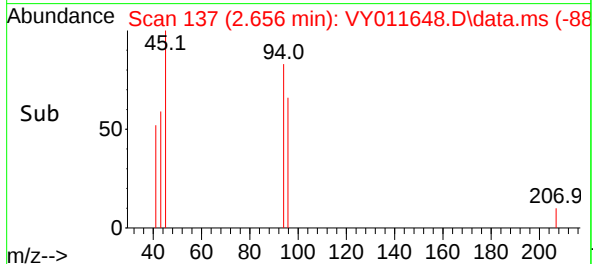
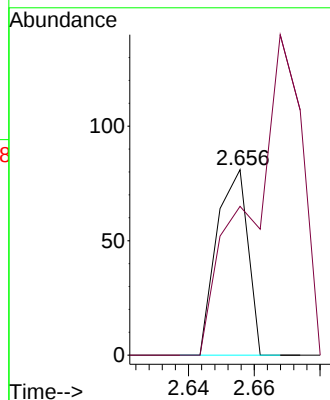
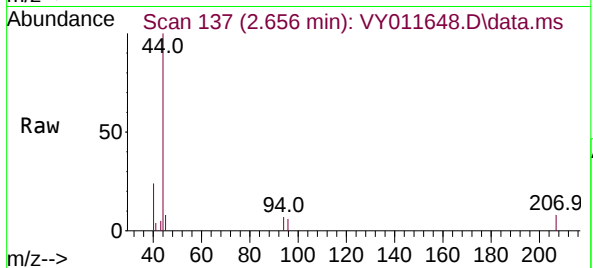




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

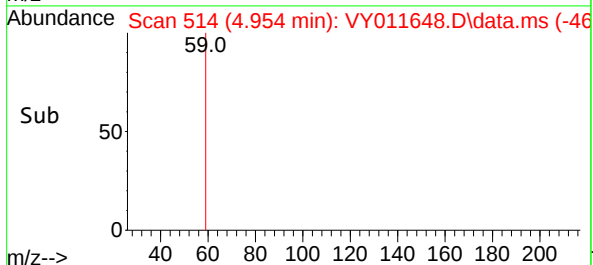
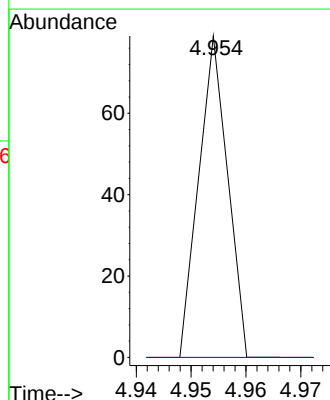
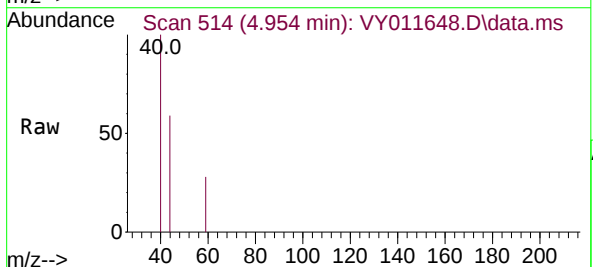
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

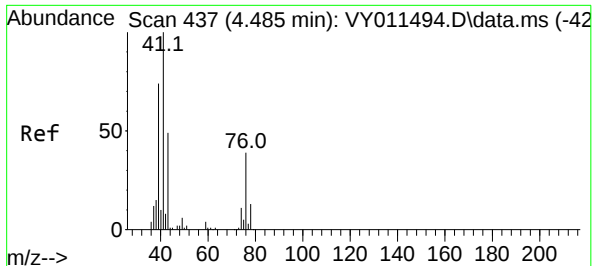
Tgt Ion: 94 Resp: 53
Ion Ratio Lower Upper
94 100
96 80.2 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Tgt Ion: 59 Resp: 29
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

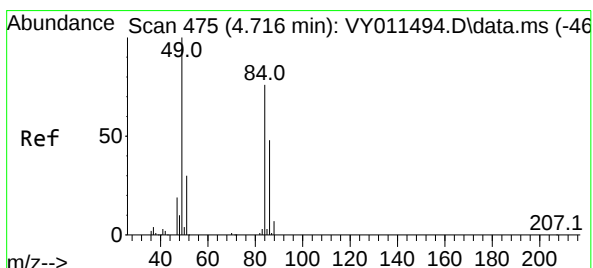
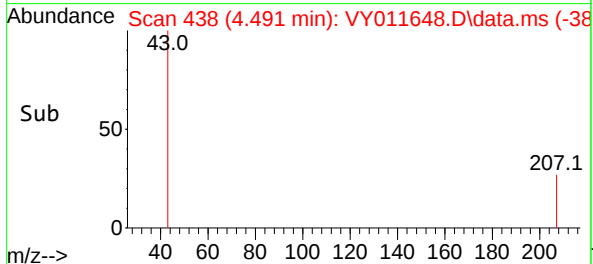
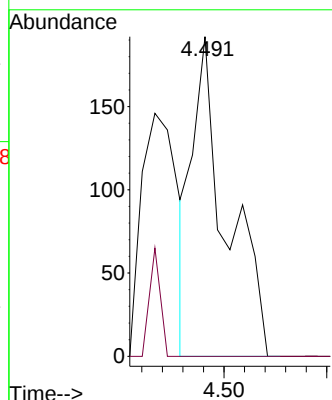
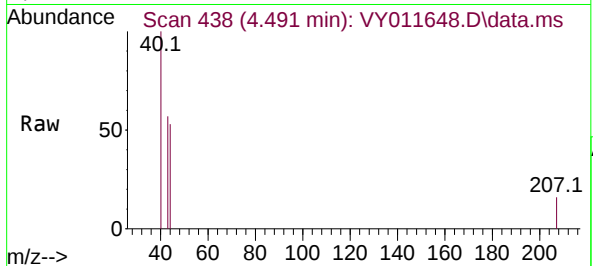




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

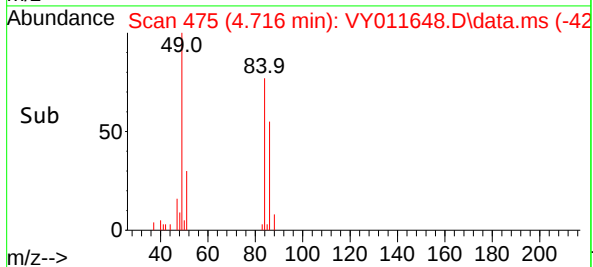
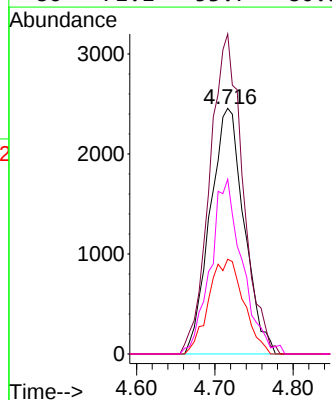
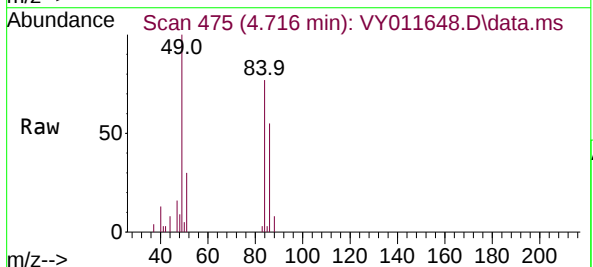
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

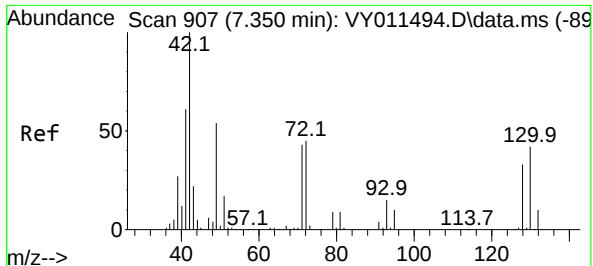
Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Tgt Ion: 84 Resp: 7416
Ion Ratio Lower Upper
84 100
49 130.3 114.4 171.6
51 38.6 35.3 52.9
86 71.1 53.7 80.5





#29

Tetrahydrofuran

Concen: 15.137 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY011648.D

Acq: 30 Nov 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-GRAB

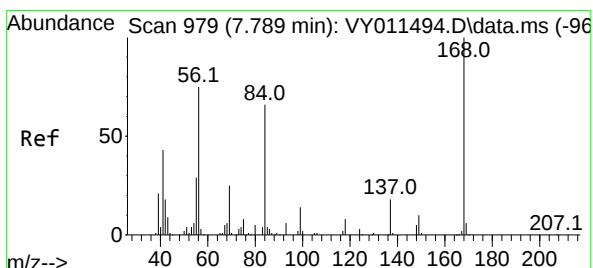
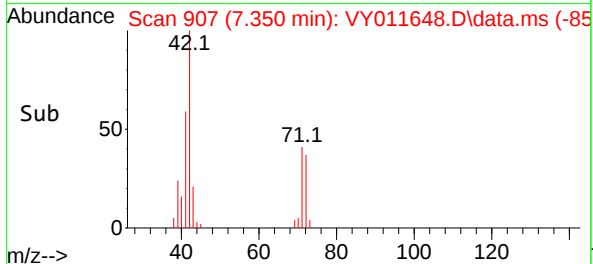
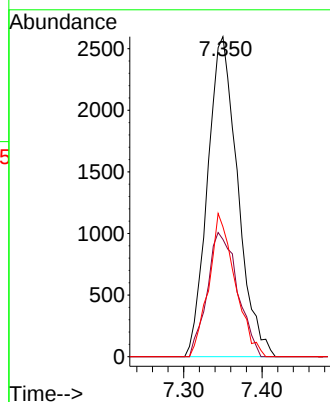
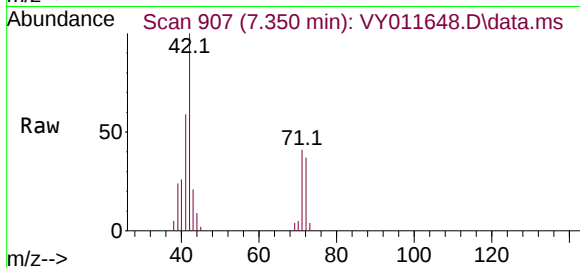
Tgt Ion: 42 Resp: 6932

Ion Ratio Lower Upper

42 100

72 39.1 30.3 45.5

71 39.2 29.0 43.4



#31

Cyclohexane

Concen: 1.299 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY011648.D

Acq: 30 Nov 2022 17:59

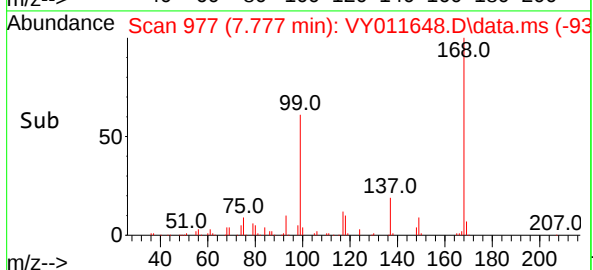
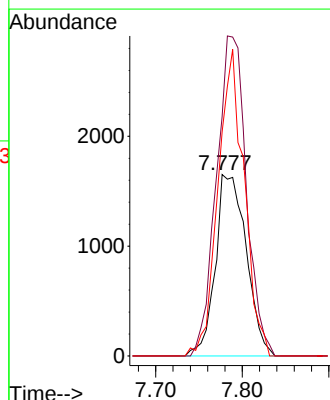
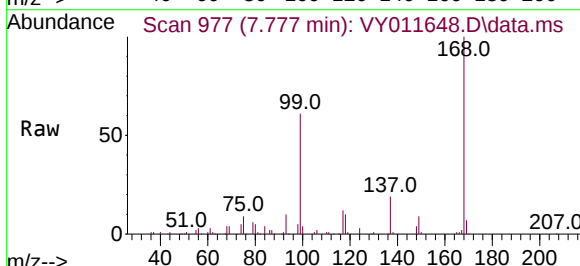
Tgt Ion: 56 Resp: 4090

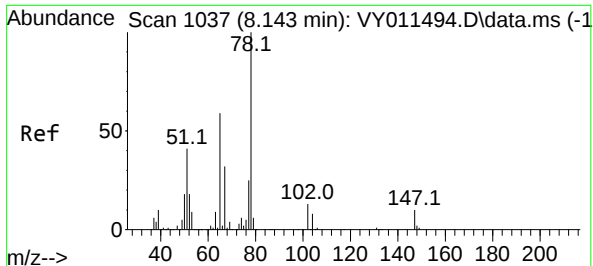
Ion Ratio Lower Upper

56 100

69 132.0 26.7 40.1#

84 123.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 68.528 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011648.D

Acq: 30 Nov 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

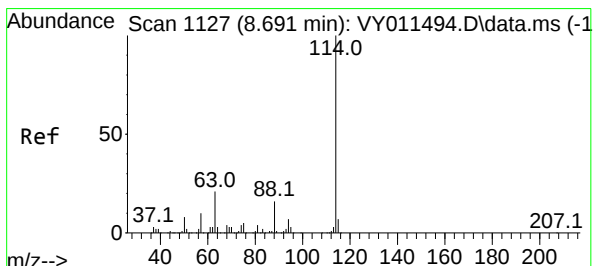
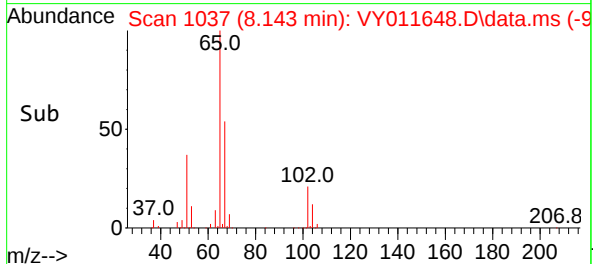
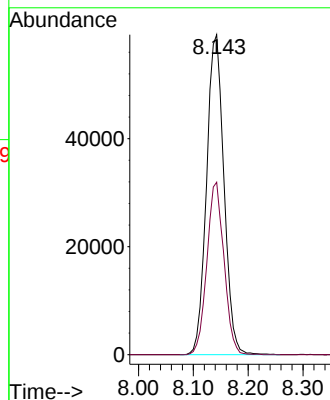
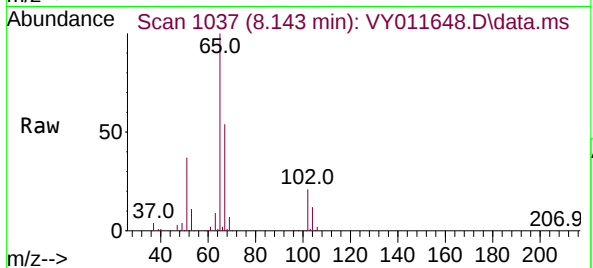
TOTAL-VOC-2-GRAB

Tgt Ion: 65 Resp: 130174

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011648.D

Acq: 30 Nov 2022 17:59

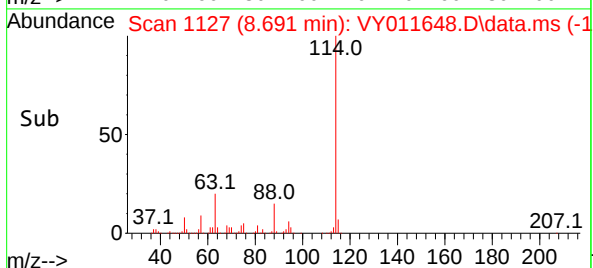
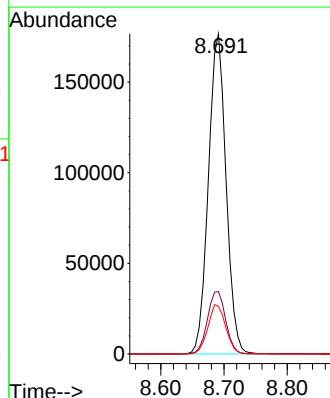
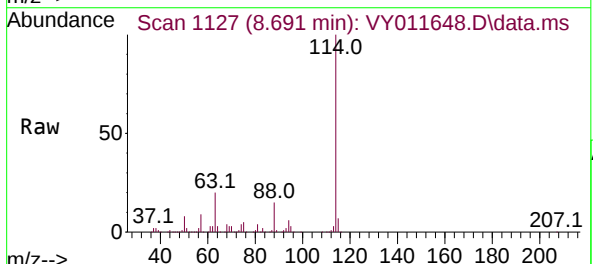
Tgt Ion: 114 Resp: 342846

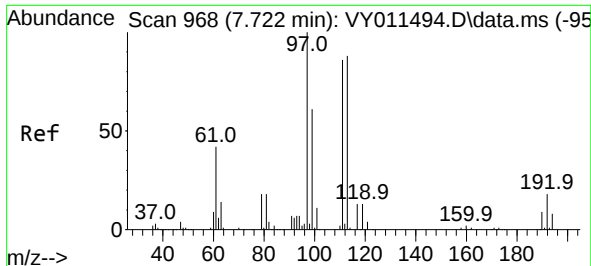
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

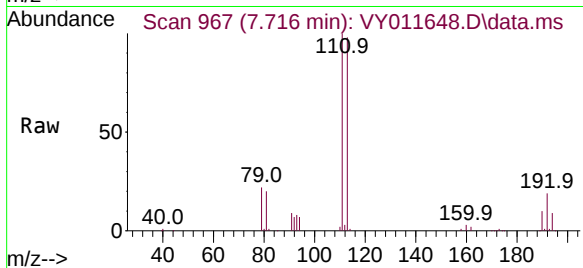
88 14.9 0.0 31.8



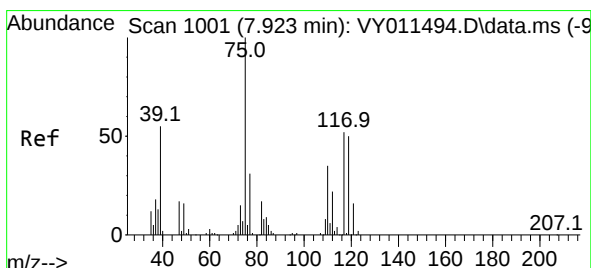
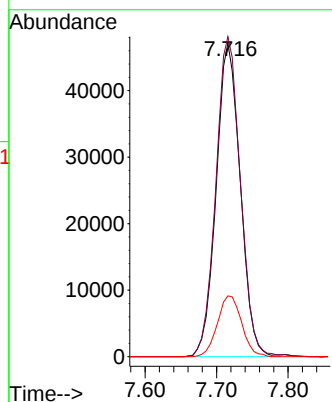
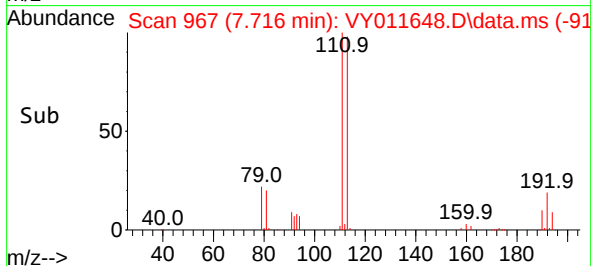


#35
Dibromofluoromethane
Concen: 52.166 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

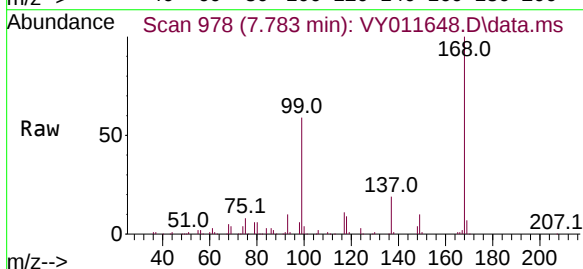
Instrument :
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TOTAL-VOC-2-GRAB



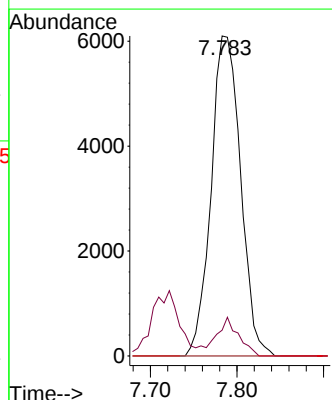
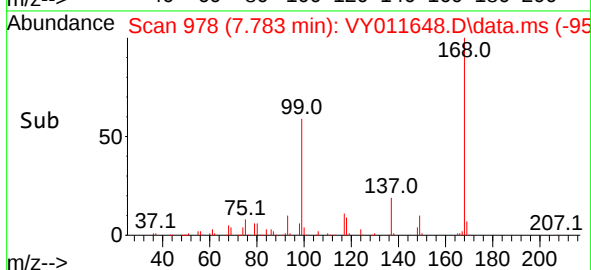
Tgt Ion:113 Resp: 110099
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 19.6 17.6 26.4

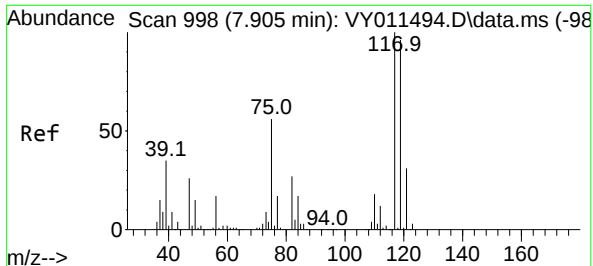


#36
1,1-Dichloropropene
Concen: 4.374 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59



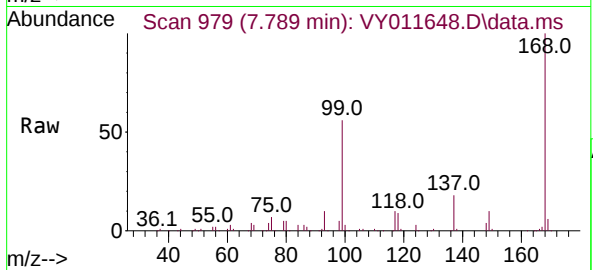
Tgt Ion: 75 Resp: 14430
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



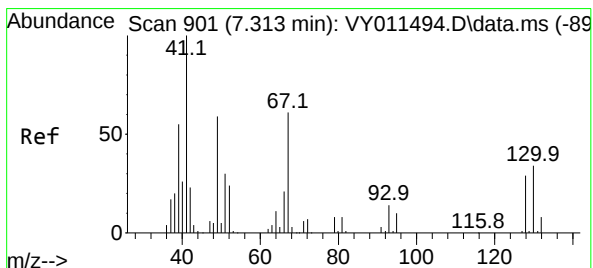
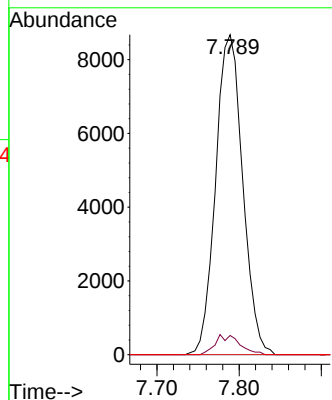
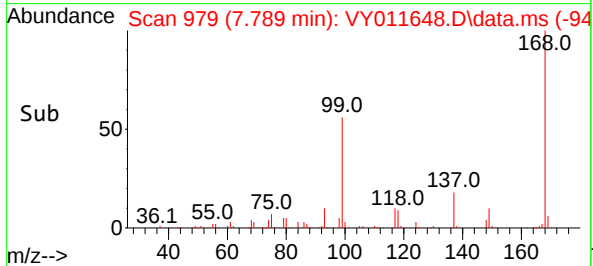


#38
Carbon Tetrachloride
Concen: 5.372 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

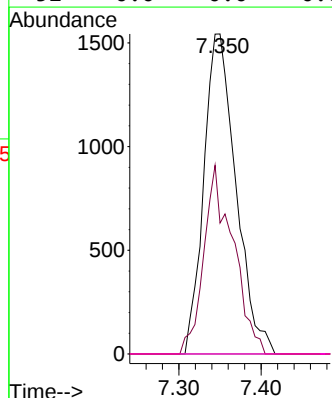
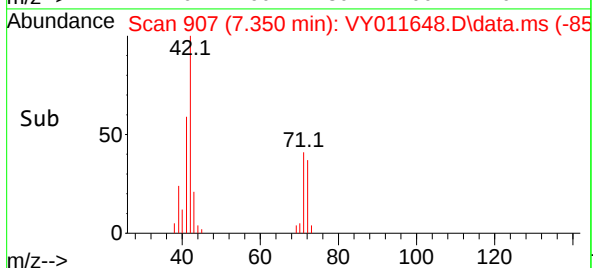
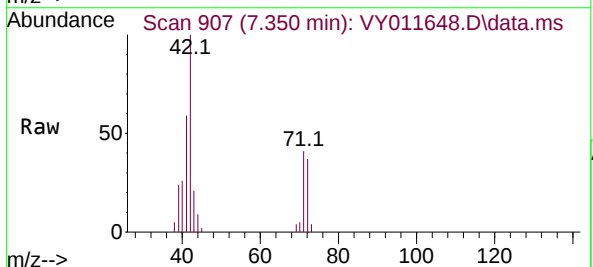


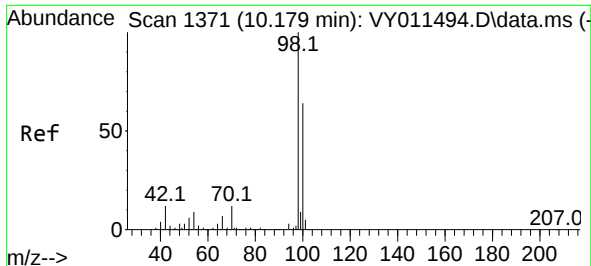
Tgt Ion:117 Resp: 19826
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 4.416 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Tgt Ion: 41 Resp: 4194
Ion Ratio Lower Upper
41 100
39 53.9 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

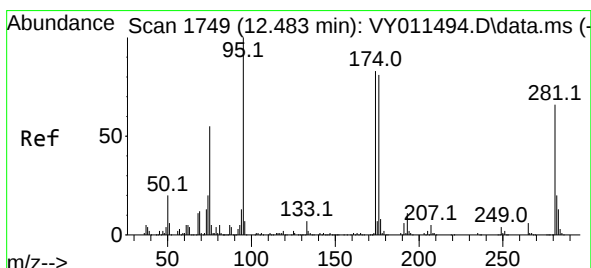
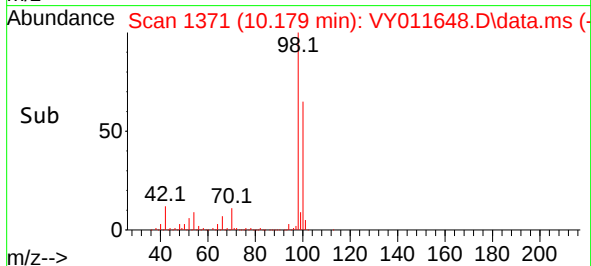
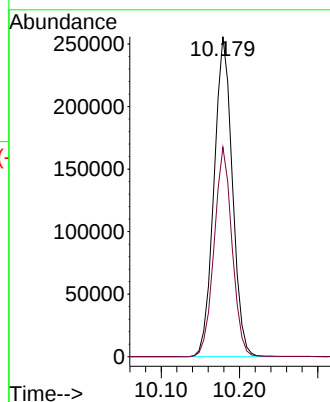
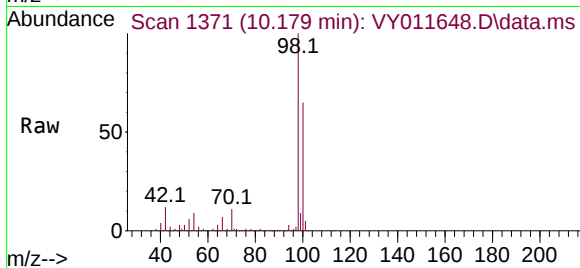




#50
Toluene-d8
Concen: 54.321 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

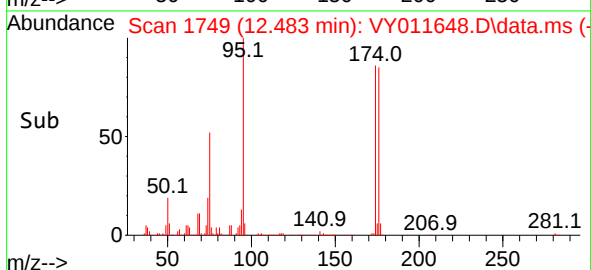
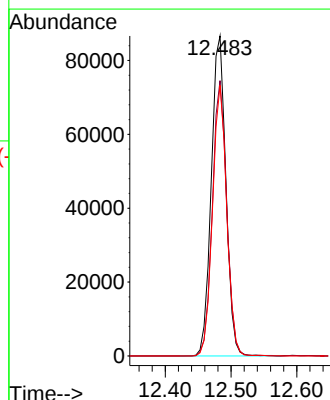
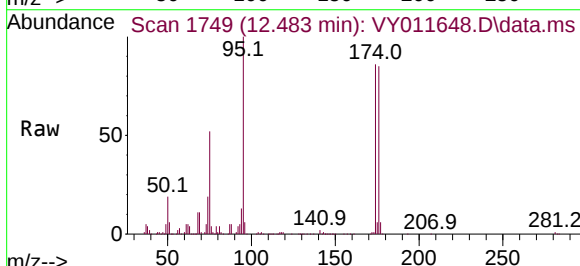
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

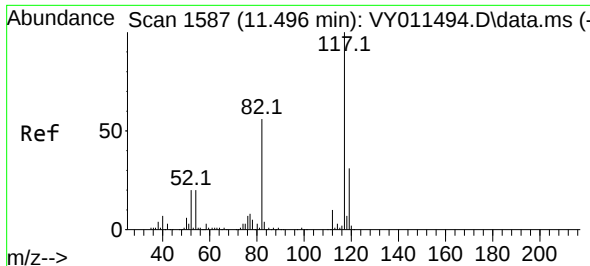
Tgt Ion: 98 Resp: 416611
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.230 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Tgt Ion: 95 Resp: 133926
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 82.3 0.0 175.8

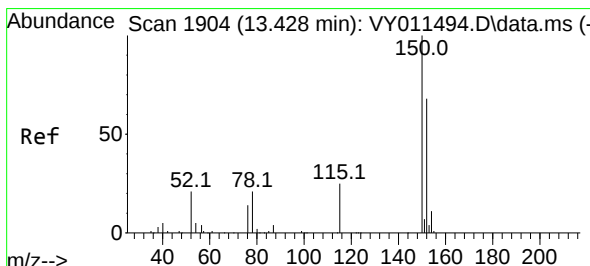
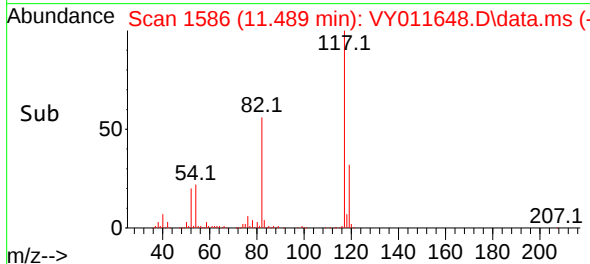
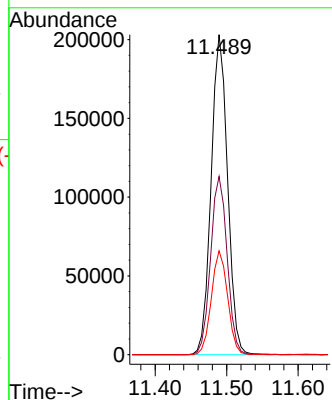
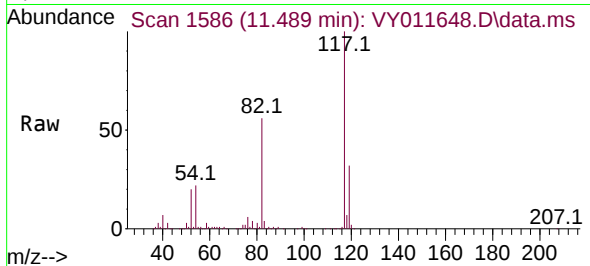




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

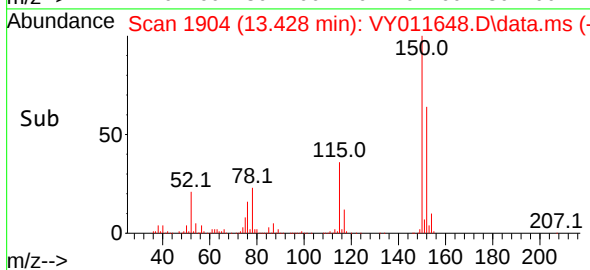
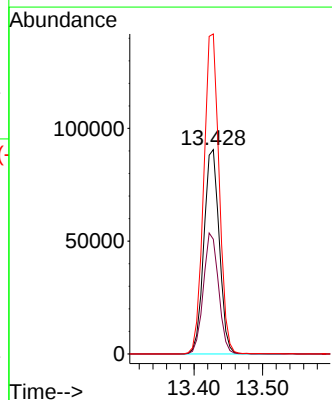
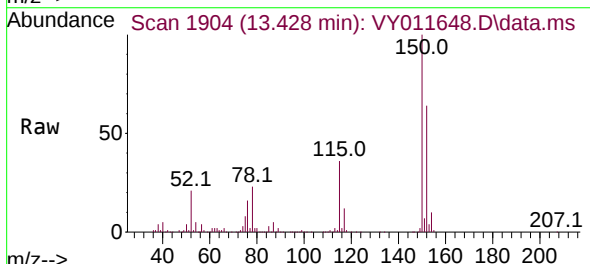
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

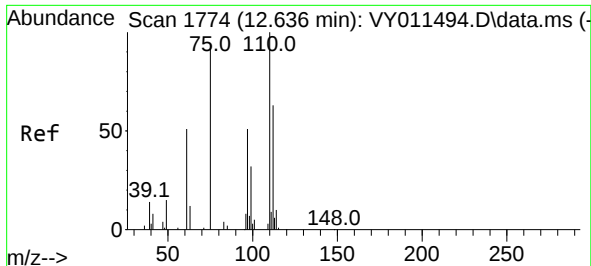
Tgt Ion:117 Resp: 324069
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Tgt Ion:152 Resp: 141673
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 156.9 0.0 347.6

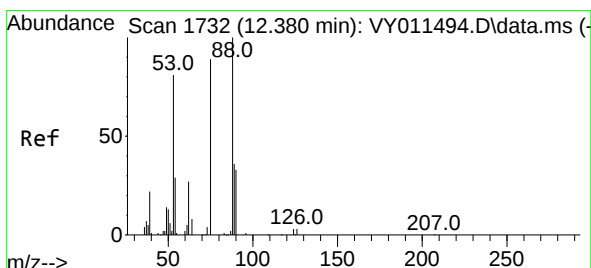
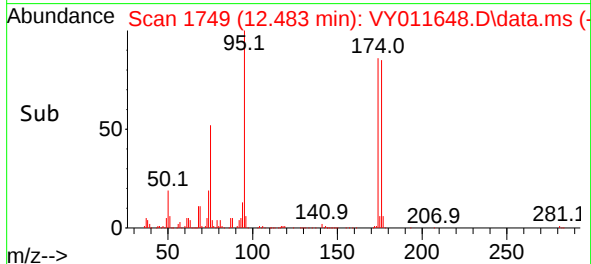
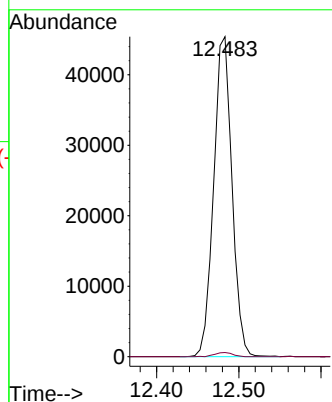
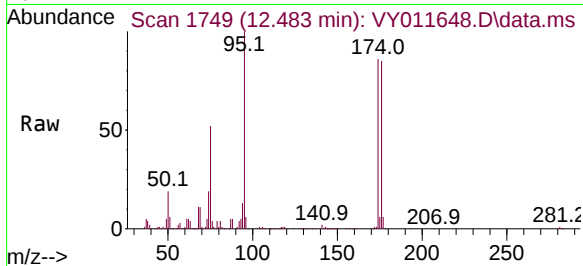




#76
1,2,3-Trichloropropane
Concen: 46.061 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

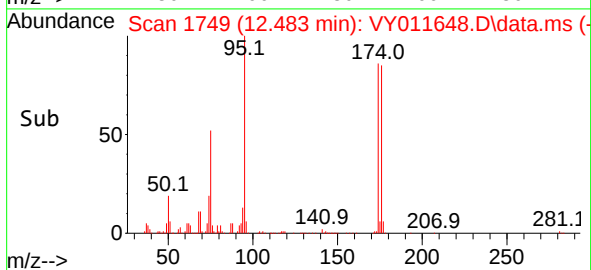
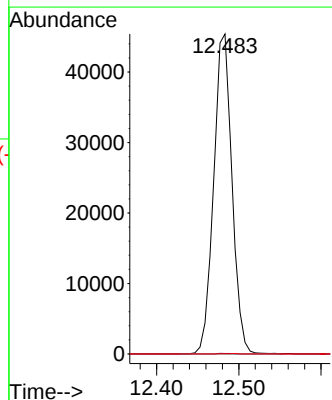
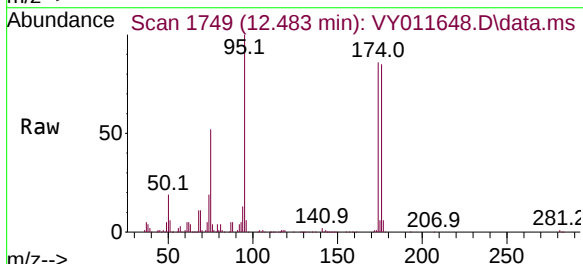
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

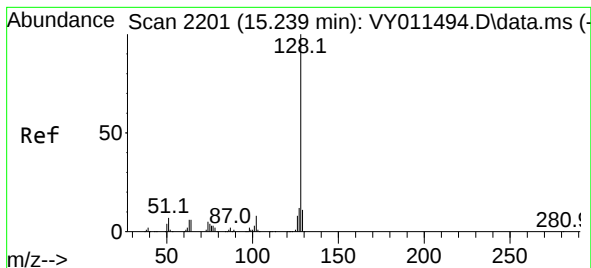
Tgt Ion: 75 Resp: 70277
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.890 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011648.D
Acq: 30 Nov 2022 17:59

Tgt Ion: 75 Resp: 70277
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.053 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011648.D

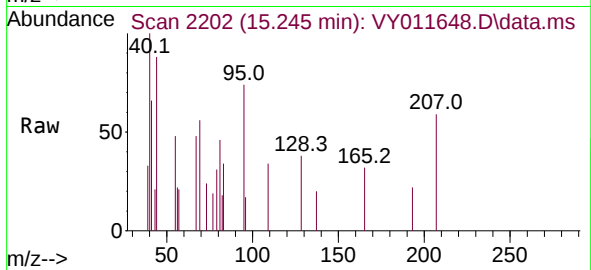
Acq: 30 Nov 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-GRAB



Tgt Ion:128 Resp: 177

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

