

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011645.D
 Acq On : 30 Nov 2022 16:49
 Operator : KP/MD
 Sample : N5806-05
 Misc : 3.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Dec 01 05:25:15 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)

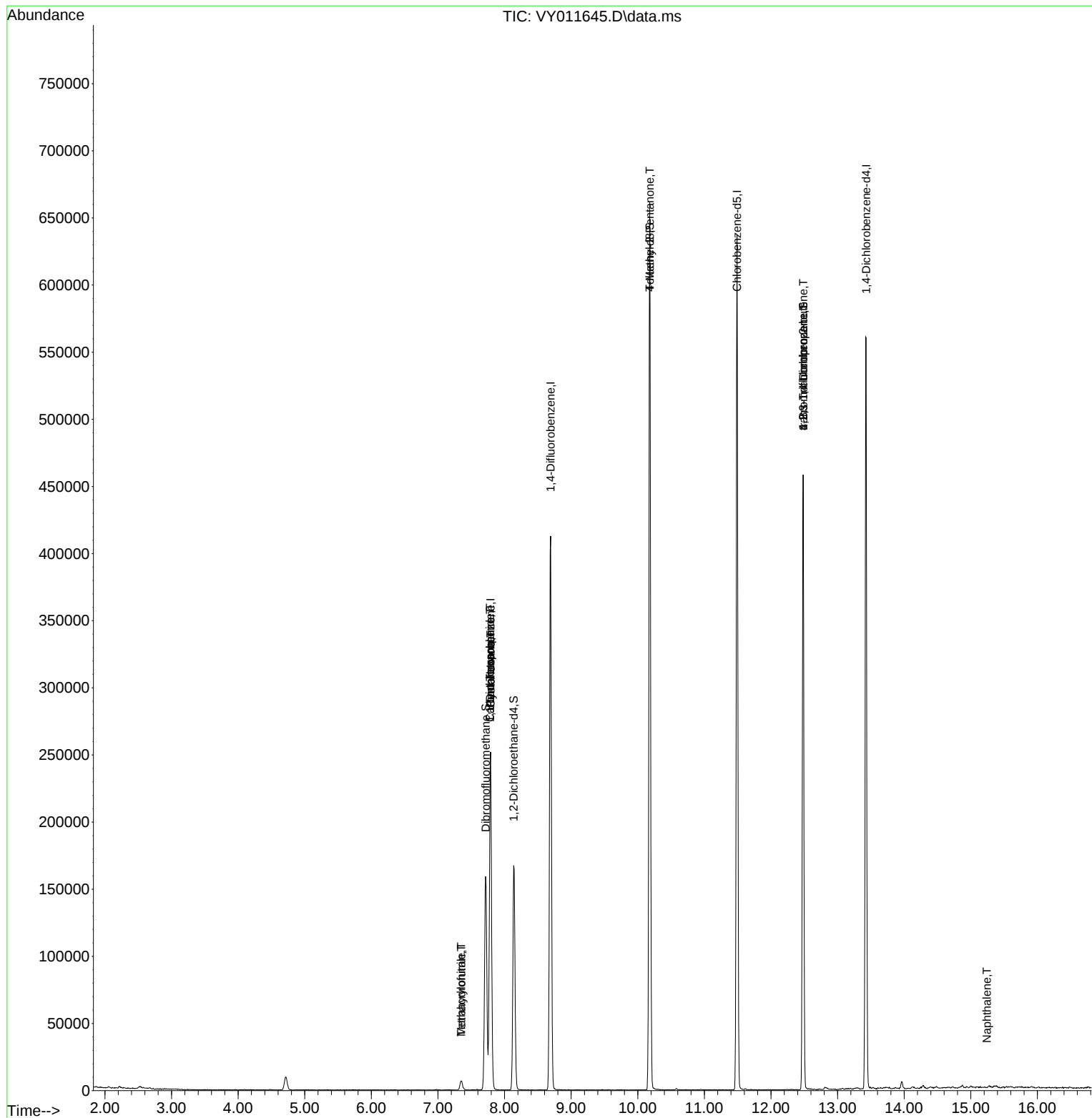
Internal Standards						
1) Pentafluorobenzene	7.789	168	190621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	346504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	330609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	131216	67.792	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.580%			
35) Dibromofluoromethane	7.716	113	115164	53.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.980%			
50) Toluene-d8	10.179	98	424226	54.730	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.460%			
62) 4-Bromofluorobenzene	12.483	95	137840	48.097	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	51	Below Cal	#	43
3) Chloromethane	2.113	50	201	Below Cal	#	44
5) Bromomethane	2.668	94	214	Below Cal		100
18) Methyl Acetate	4.479	43	564	Below Cal	#	64
20) Methylene Chloride	4.723	84	7055	Below Cal	#	80
29) Tetrahydrofuran	7.350	42	5654	12.117	ug/l #	88
31) Cyclohexane	7.789	56	4077	1.271	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14663	4.398	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19249	5.160	ug/l #	15
41) Methacrylonitrile	7.350	41	3352	3.492	ug/l #	43
51) 4-Methyl-2-Pentanone	10.179	43	1926	1.012	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	72862	47.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72862	103.061	ug/l #	7
95) Naphthalene	15.239	128	416	4.095	ug/l #	69

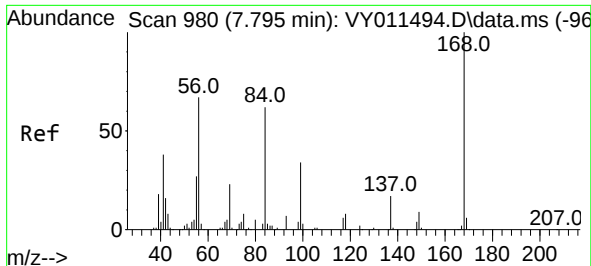
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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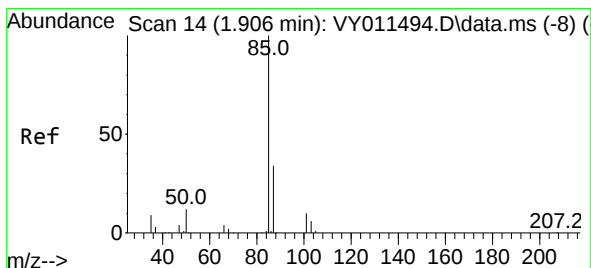
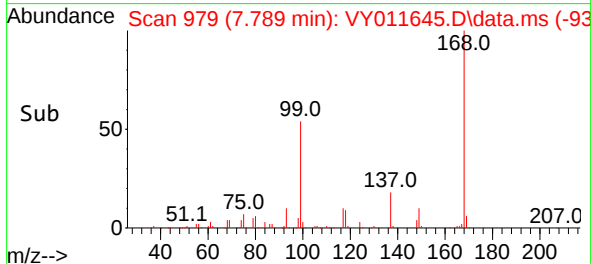
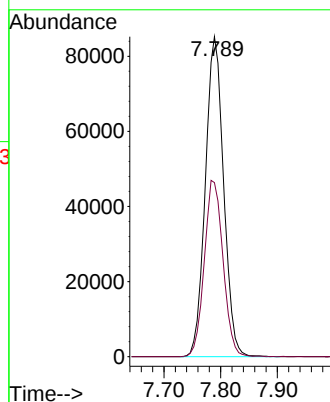
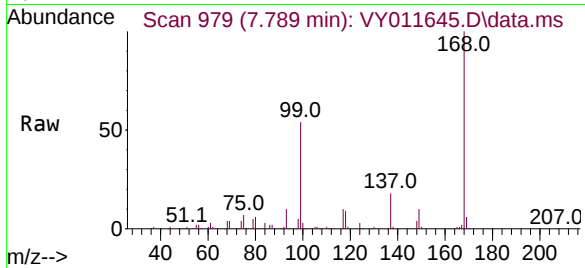




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

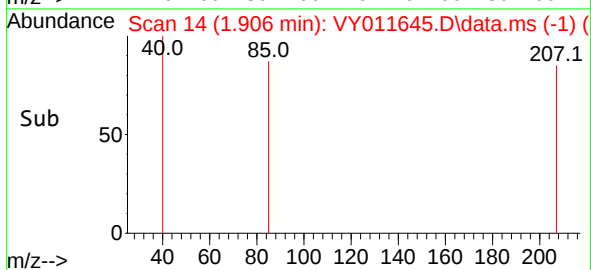
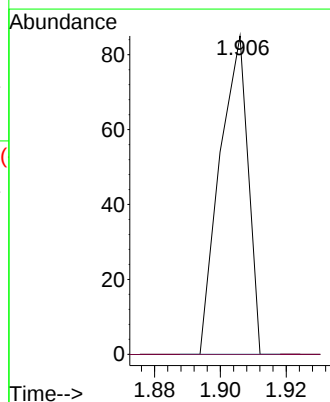
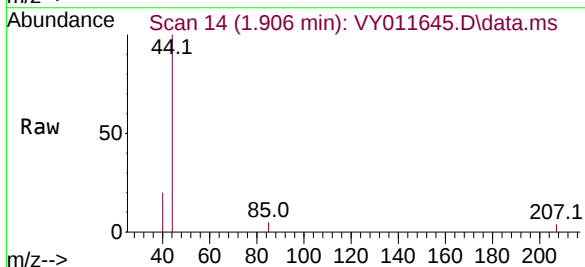
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

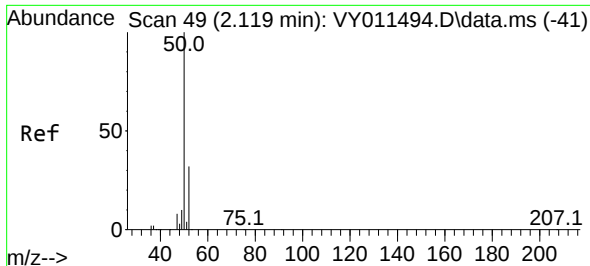
Tgt Ion:168 Resp: 190621
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

Tgt Ion: 85 Resp: 51
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

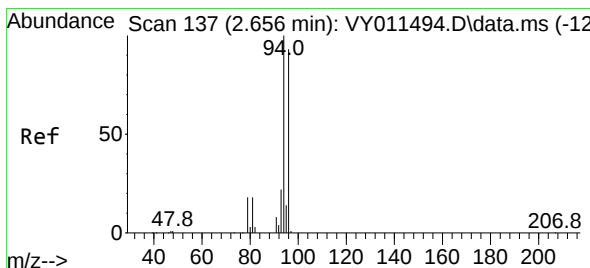
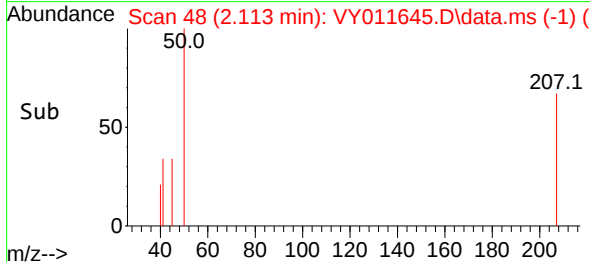
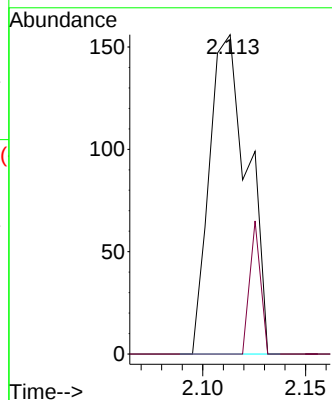
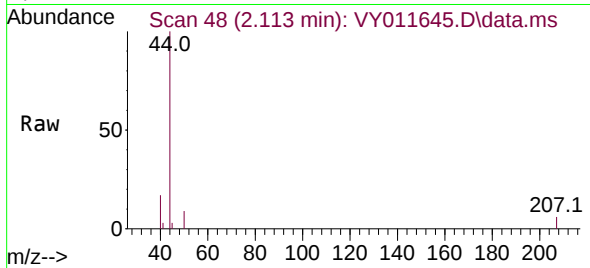




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

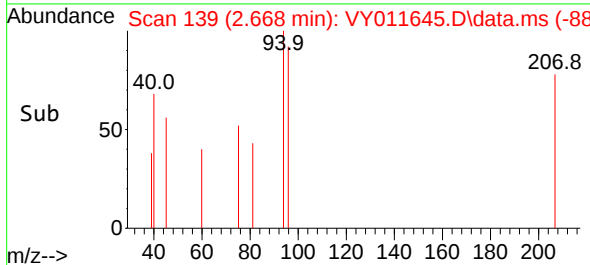
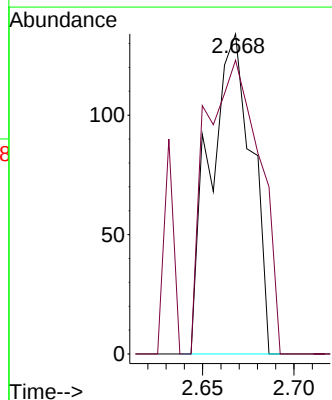
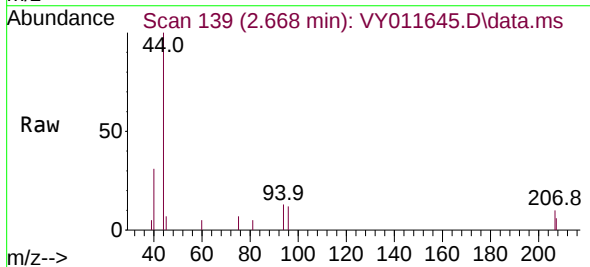
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

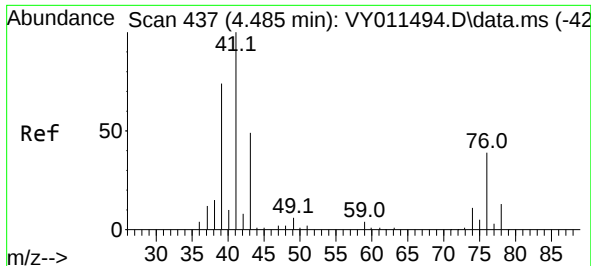
Tgt Ion: 50 Resp: 201
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

Tgt Ion: 94 Resp: 214
Ion Ratio Lower Upper
94 100
96 91.8 73.5 110.3

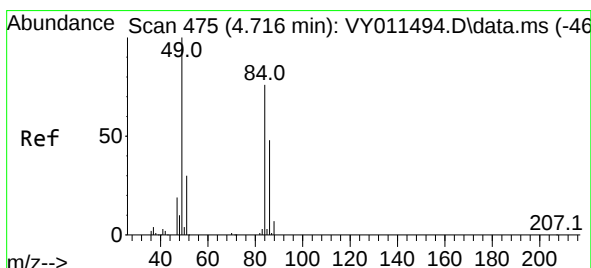
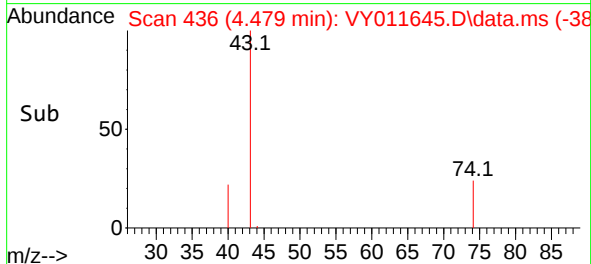
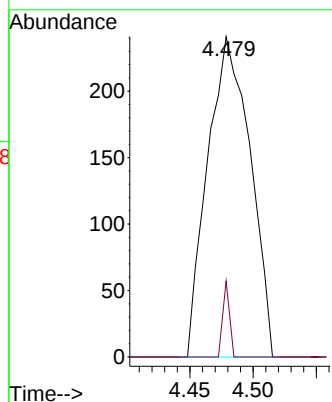
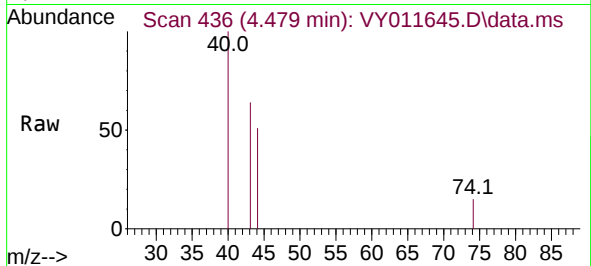




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

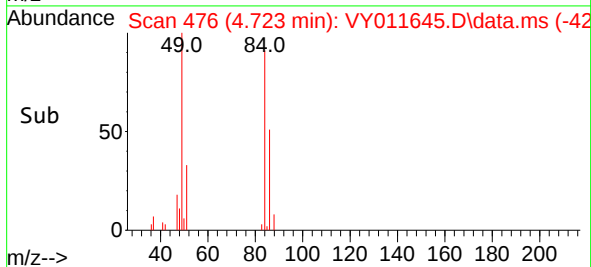
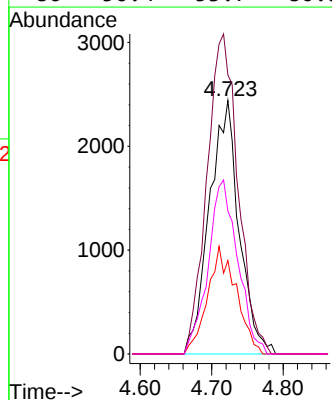
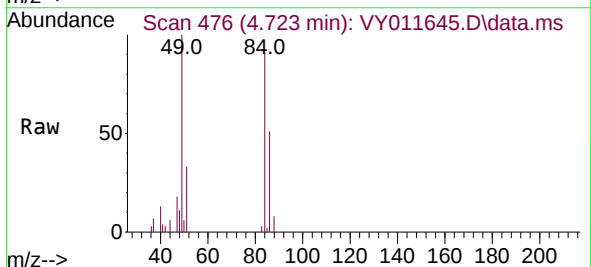
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

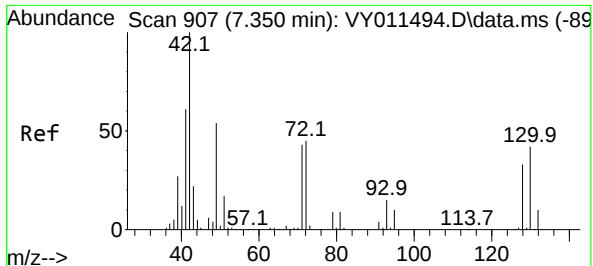
Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
74 3.7 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

Tgt Ion: 84 Resp: 7055
Ion Ratio Lower Upper
84 100
49 110.1 114.4 171.6#
51 36.9 35.3 52.9
86 56.4 53.7 80.5





#29

Tetrahydrofuran

Concen: 12.117 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY011645.D

Acq: 30 Nov 2022 16:49

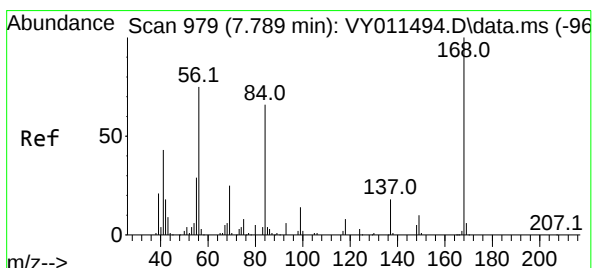
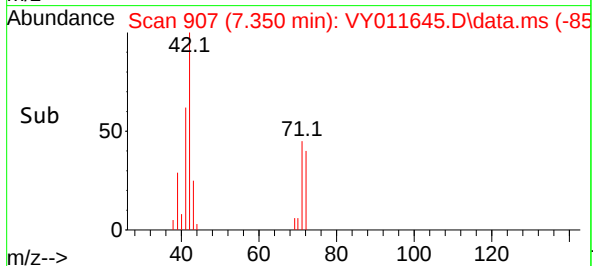
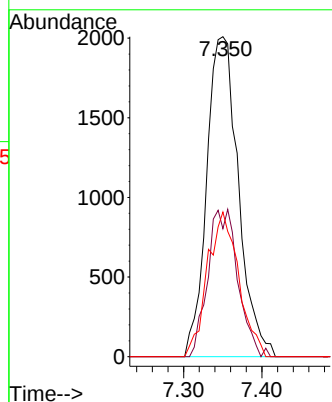
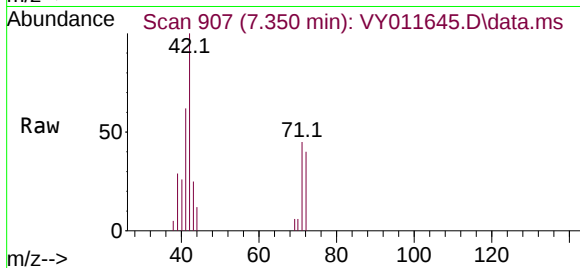
Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-GRAB

Tgt Ion:	42	Resp:	5654
Ion	Ratio	Lower	Upper
42	100		
72	43.7	30.3	45.5
71	44.5	29.0	43.4



#31

Cyclohexane

Concen: 1.271 ug/l

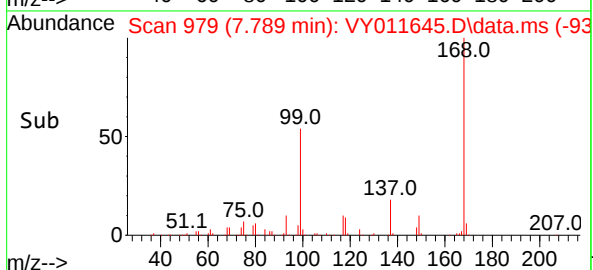
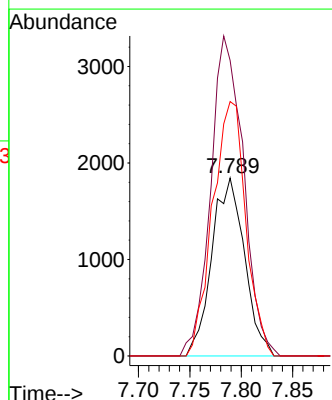
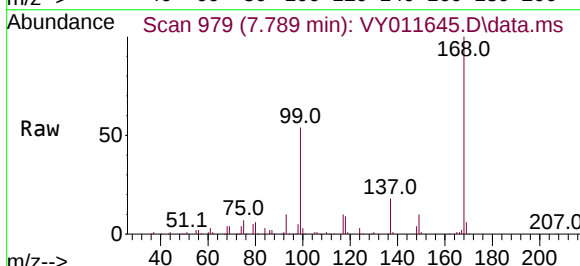
RT: 7.789 min Scan# 979

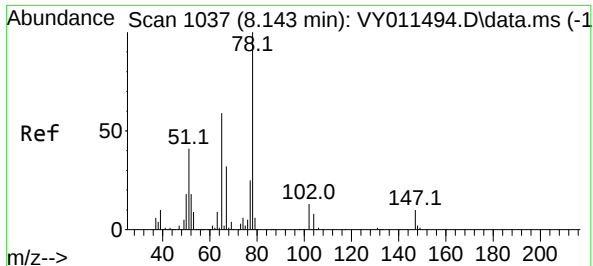
Delta R.T. 0.000 min

Lab File: VY011645.D

Acq: 30 Nov 2022 16:49

Tgt Ion:	56	Resp:	4077
Ion	Ratio	Lower	Upper
56	100		
69	166.1	26.7	40.1
84	143.0	67.2	100.8





#33

1,2-Dichloroethane-d4

Concen: 67.792 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY011645.D

Acq: 30 Nov 2022 16:49

Instrument :

MSVOA_Y

ClientSampleId :

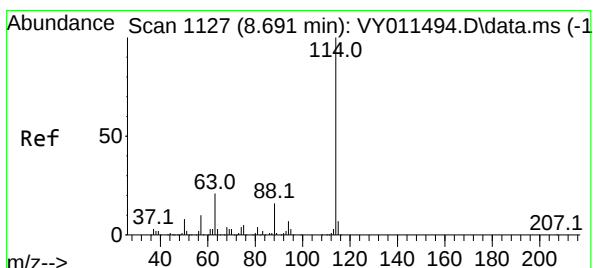
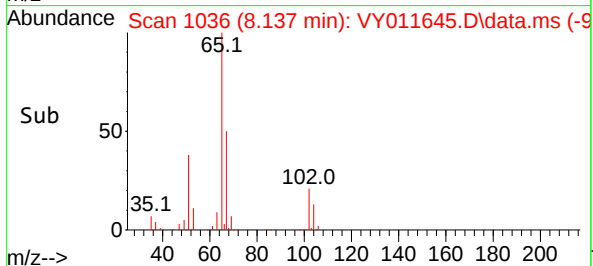
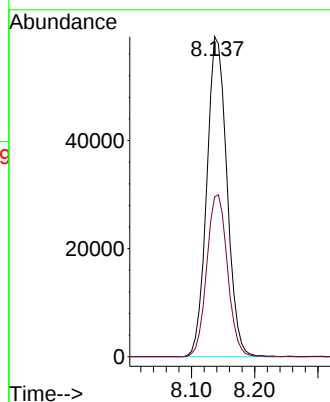
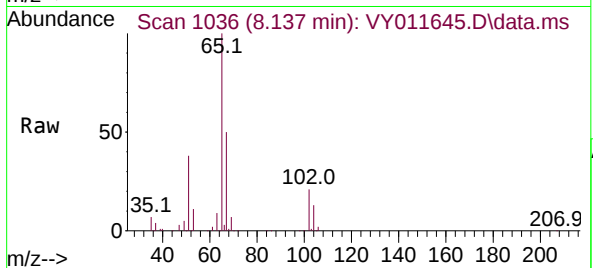
TOTAL-VOC-2-GRAB

Tgt Ion: 65 Resp: 131216

Ion Ratio Lower Upper

65 100

67 52.0 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: VY011645.D

Acq: 30 Nov 2022 16:49

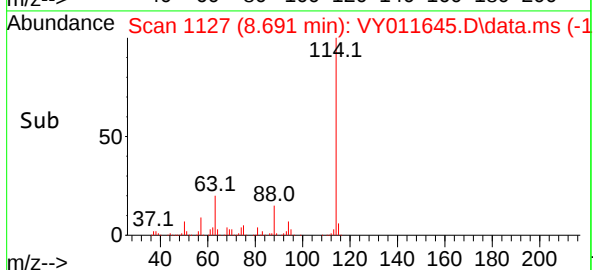
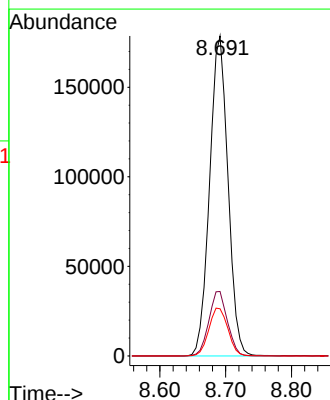
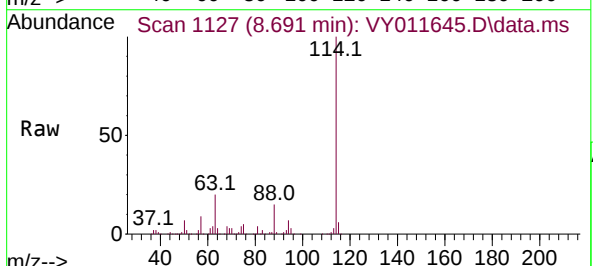
Tgt Ion: 114 Resp: 346504

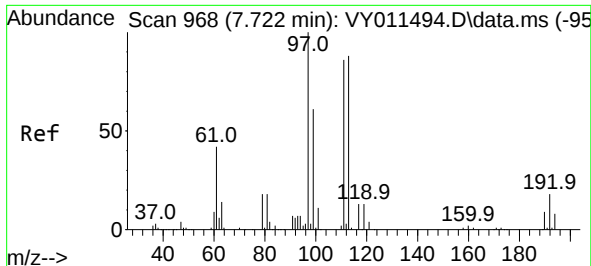
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 14.7 0.0 31.8

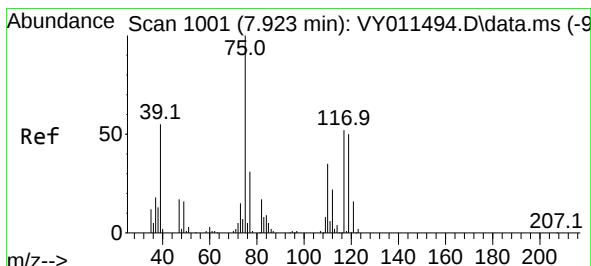
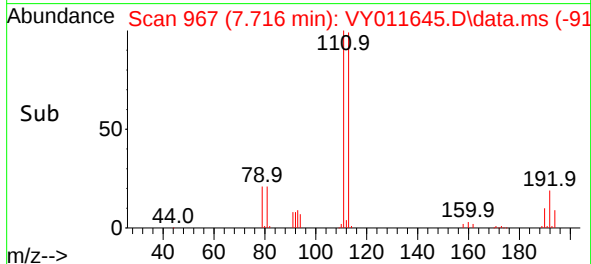
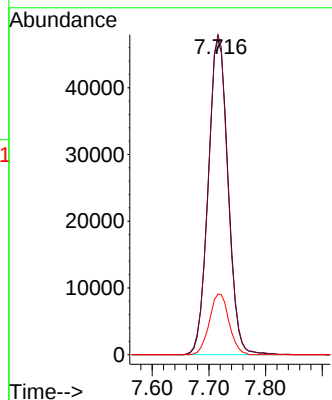
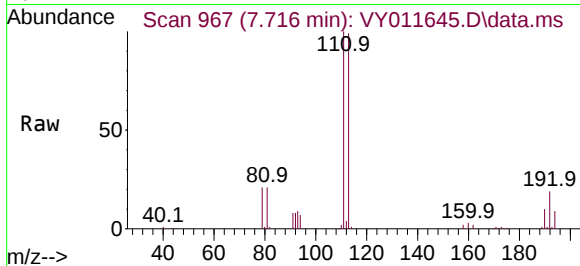




#35
Dibromofluoromethane
Concen: 53.990 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

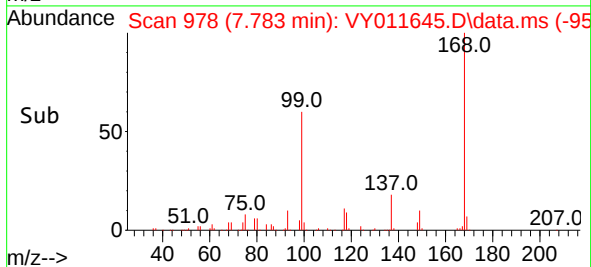
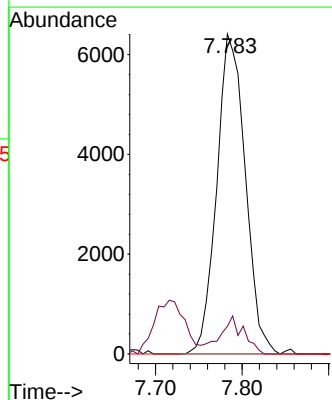
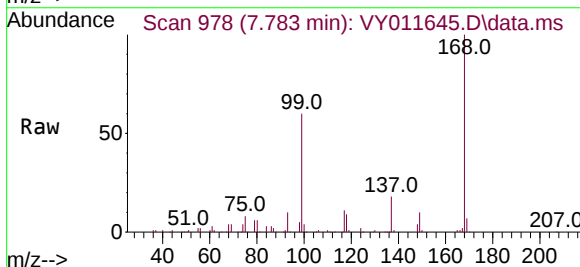
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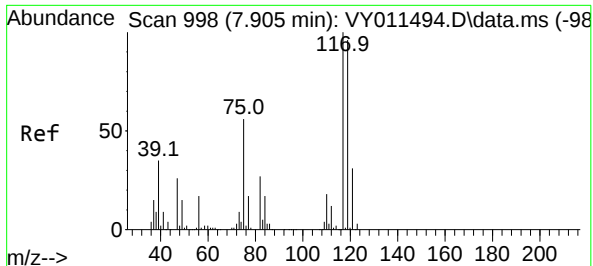
Tgt Ion:113 Resp: 115164
Ion Ratio Lower Upper
113 100
111 100.2 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.398 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

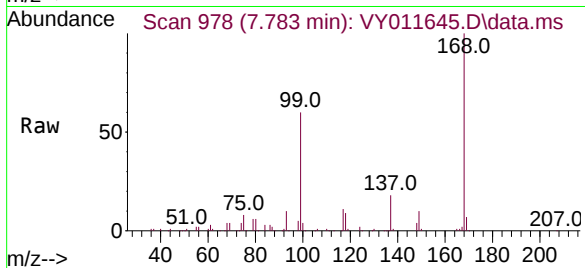
Tgt Ion: 75 Resp: 14663
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



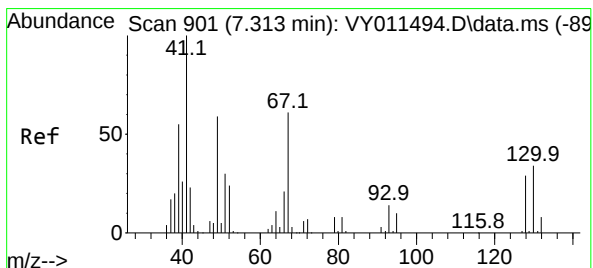
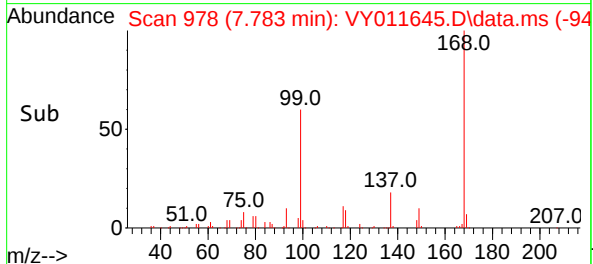
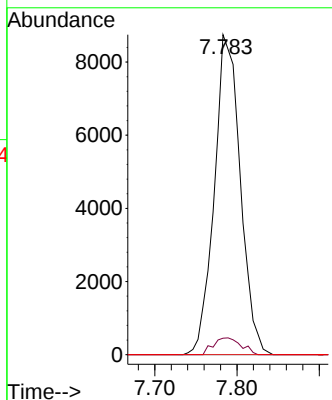


#38
Carbon Tetrachloride
Concen: 5.160 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

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

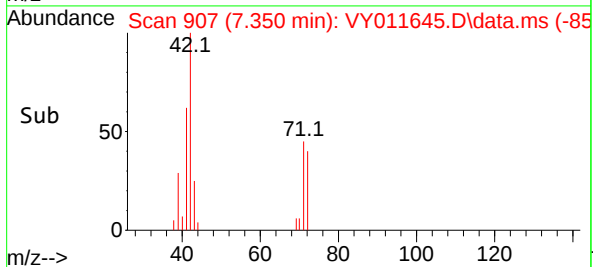
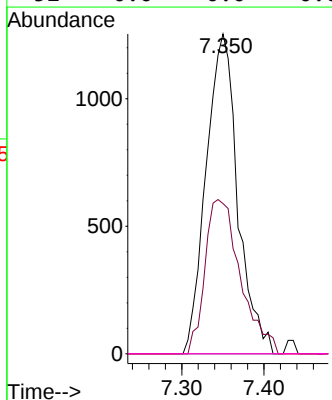
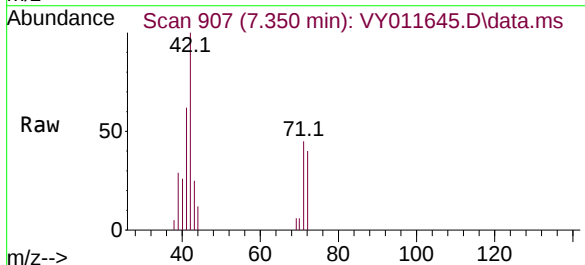


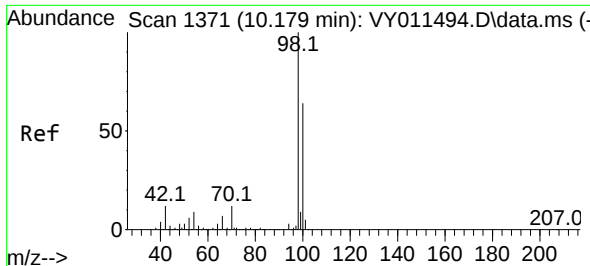
Tgt Ion:117 Resp: 19249
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 3.492 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

Tgt Ion: 41 Resp: 3352
Ion Ratio Lower Upper
41 100
39 54.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

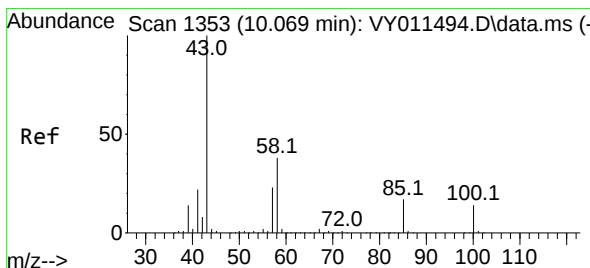
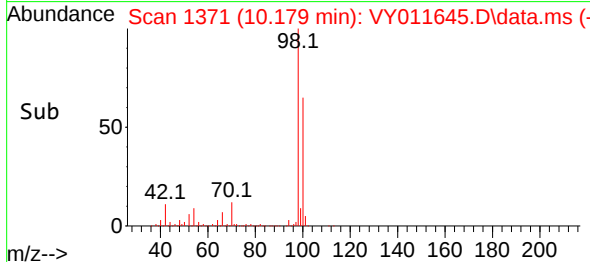
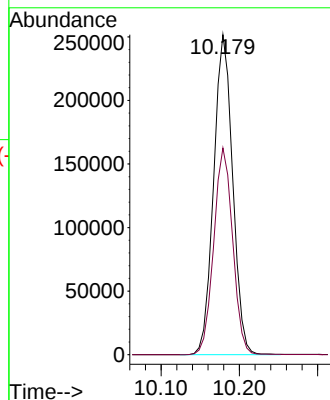
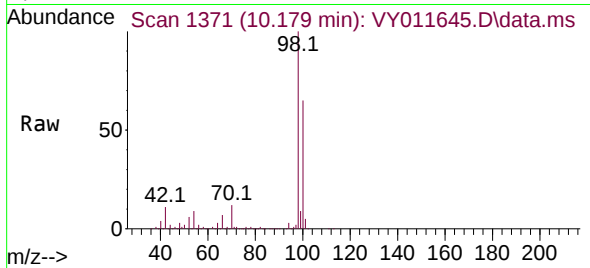




#50
Toluene-d8
Concen: 54.730 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

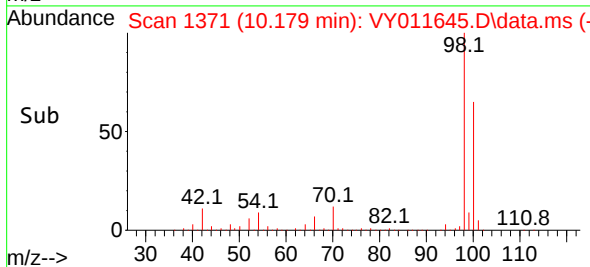
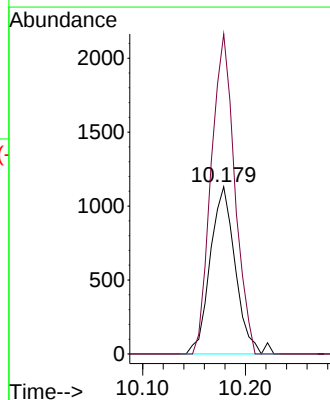
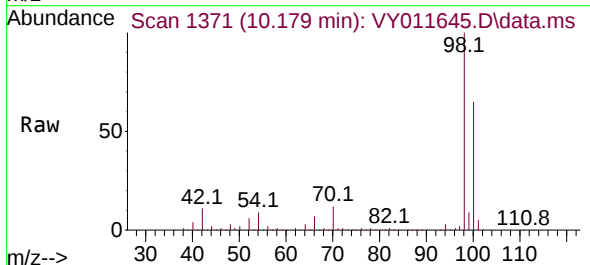
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

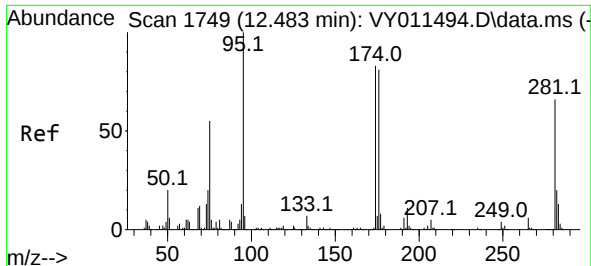
Tgt Ion: 98 Resp: 424226
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.012 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

Tgt Ion: 43 Resp: 1926
Ion Ratio Lower Upper
43 100
58 178.7 28.1 42.1#

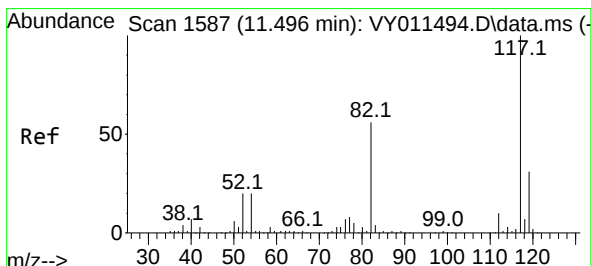
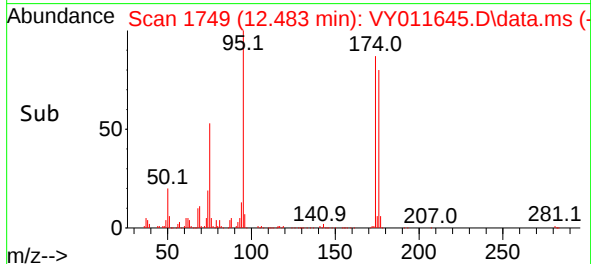
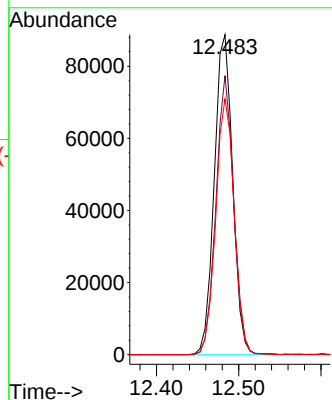
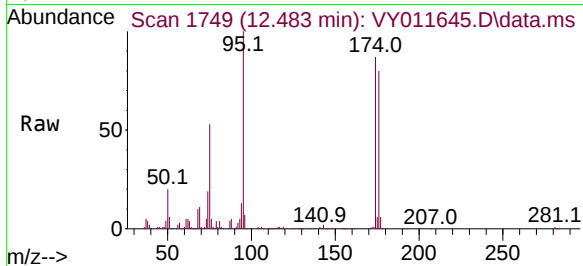




#62
4-Bromofluorobenzene
Concen: 48.097 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

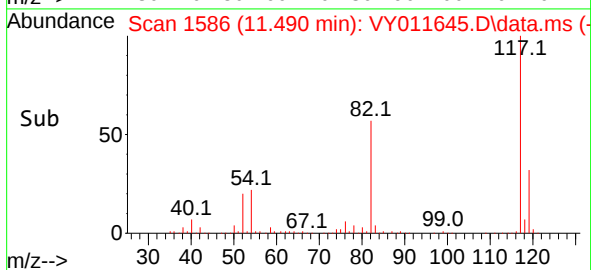
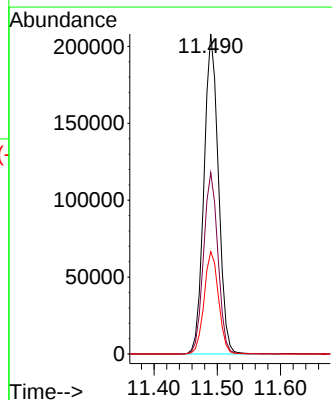
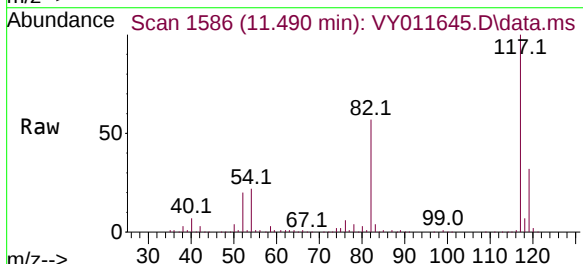
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB

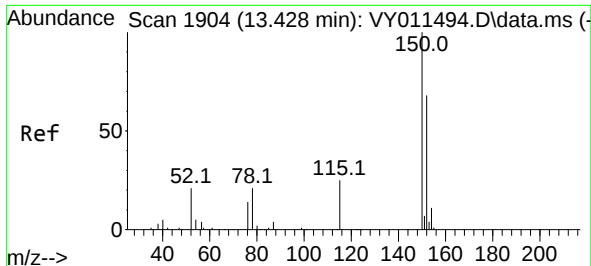
Tgt Ion: 95 Resp: 137840
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 80.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

Tgt Ion: 117 Resp: 330609
Ion Ratio Lower Upper
117 100
82 56.7 43.0 64.4
119 31.9 25.4 38.0

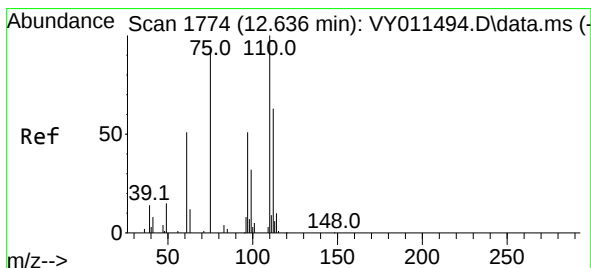
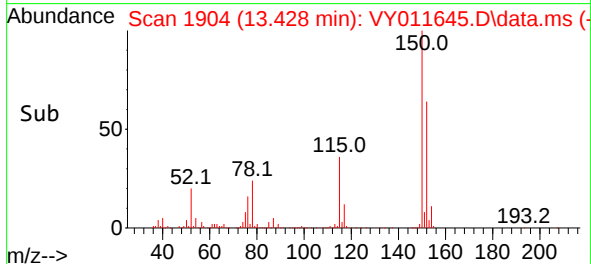
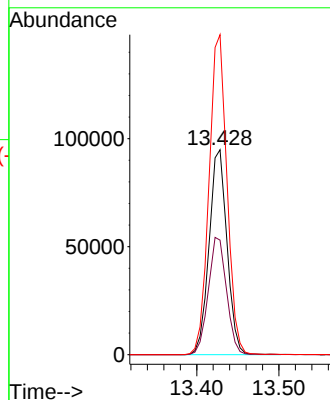
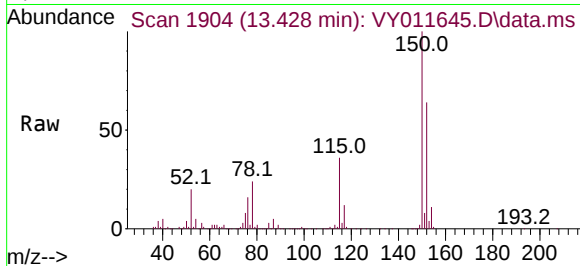




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011645.D
 Acq: 30 Nov 2022 16:49

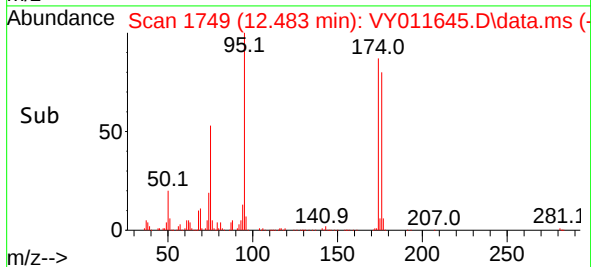
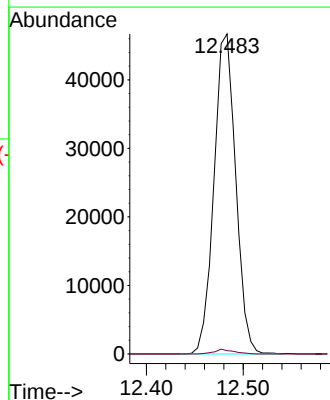
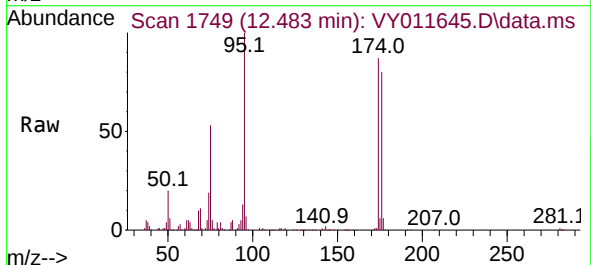
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-2-GRAB

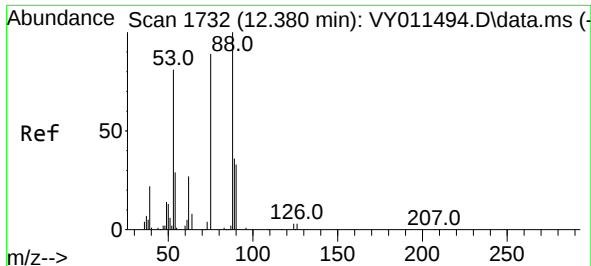
Tgt Ion:152 Resp: 143790
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.2 84.7
 150 156.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.053 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011645.D
 Acq: 30 Nov 2022 16:49

Tgt Ion: 75 Resp: 72862
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

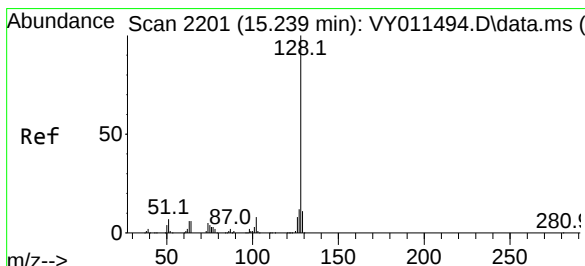
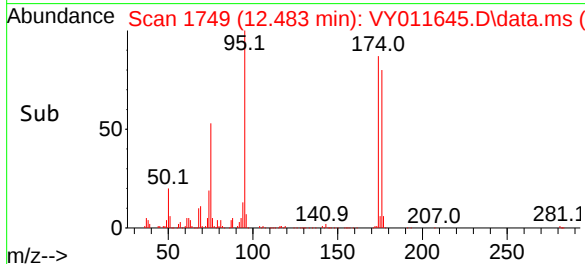
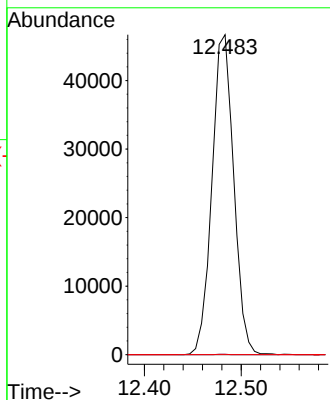
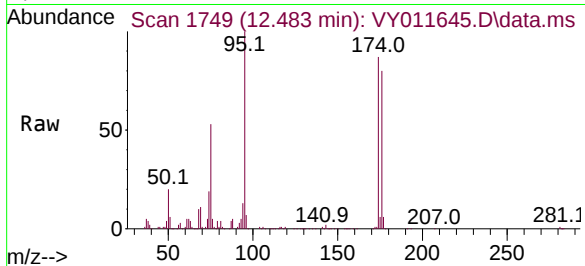




#81
trans-1,4-Dichloro-2-butene
Concen: 103.061 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

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

Tgt Ion: 75 Resp: 72862
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.095 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011645.D
Acq: 30 Nov 2022 16:49

Tgt Ion: 128 Resp: 416
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

