

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000967.D
 Acq On : 16 Dec 2019 19:53
 Operator : SY/MD
 Sample : K6333-06
 Misc : 6.53G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1A-VOC

Quant Time: Dec 17 06:09:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	233830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	436828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	389901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167722	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	138396	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
35) Dibromofluoromethane	7.73	113	124845	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	10.18	98	518640	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.48	95	169948	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

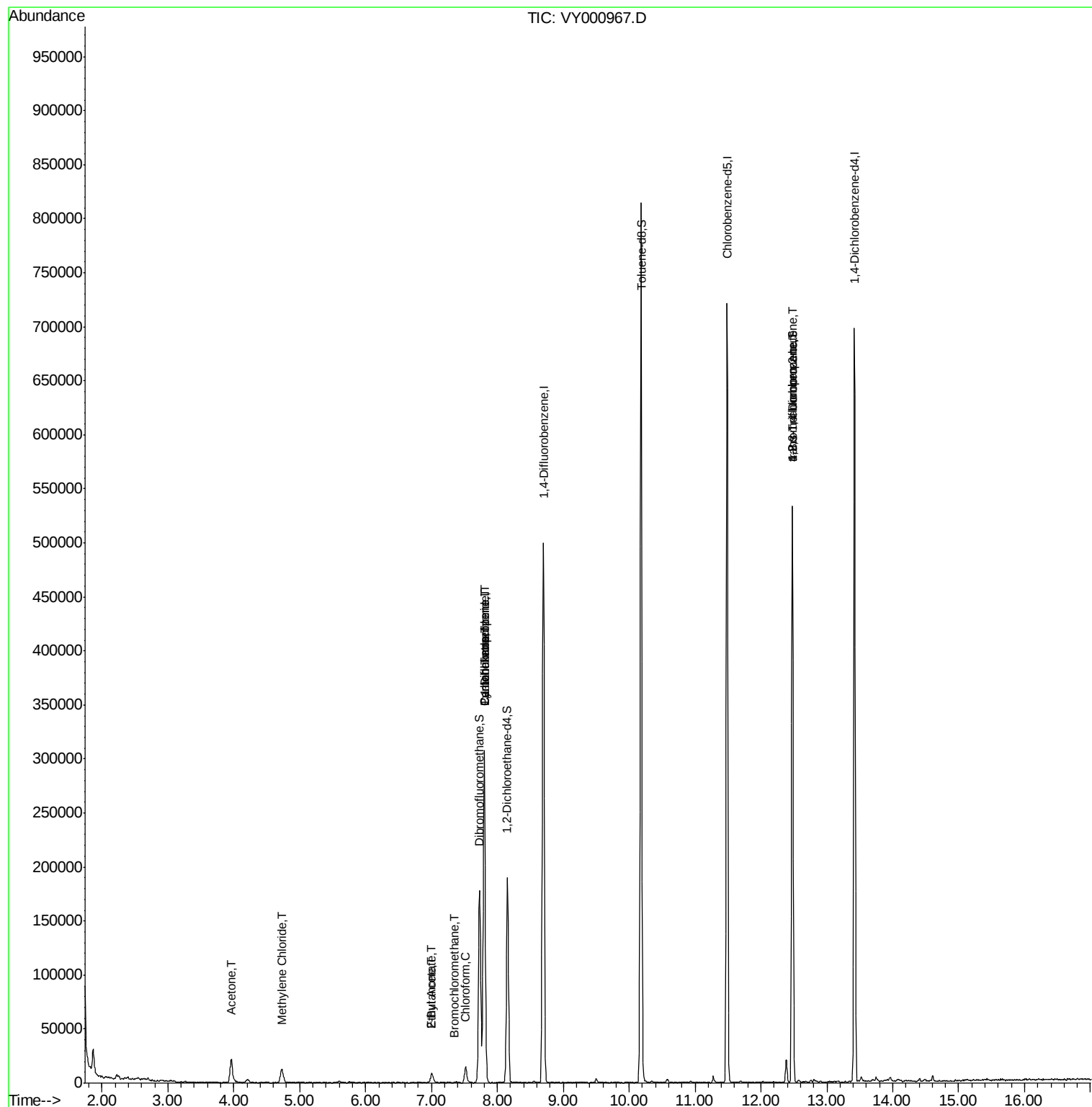
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	172	Below Cal		87
16) Acetone	3.96	43	36144	63.413	ug/l	100
20) Methylene Chloride	4.72	84	9004	2.997	ug/l	93
25) 2-Butanone	7.00	43	14770	14.028	ug/l	95
28) Bromochloromethane	7.35	49	70	2.052	ug/l #	15
30) Chloroform	7.52	83	13338	2.670	ug/l #	80
31) Cyclohexane	7.80	56	5462	1.035	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	18696	4.304	ug/l #	49
37) Ethyl Acetate	7.00	43	14770	5.889	ug/l #	67
38) Carbon Tetrachloride	7.80	117	21778	5.630	ug/l #	16
76) 1,2,3-Trichloropropane	12.47	75	86038	45.277	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	86038	88.936	ug/l #	17

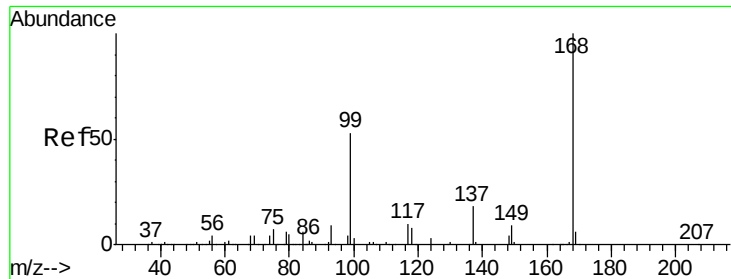
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000967.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_Y

ClientSampleId :

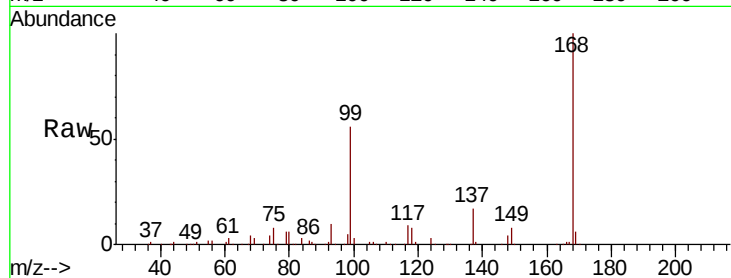
TP-1A-VOC

Tgt Ion:168 Resp: 233830

Ion Ratio Lower Upper

168 100

99 56.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000967.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000967.D (-946) (-)

7.80

120000

100000

80000

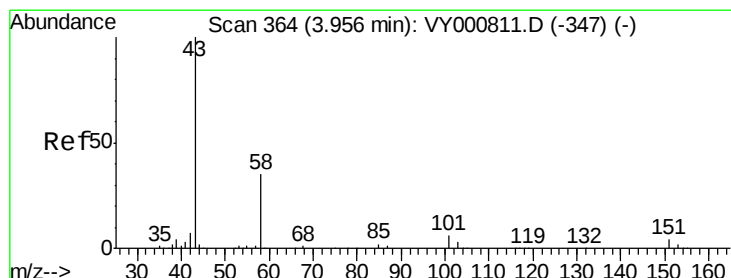
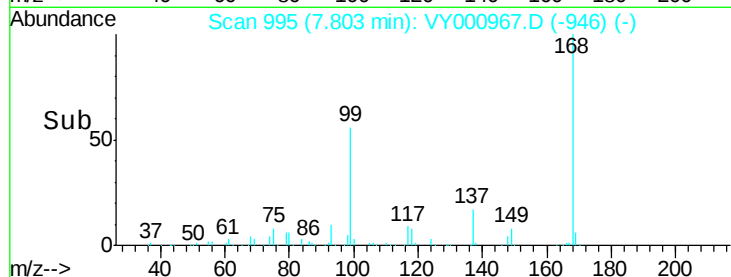
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#16

Acetone

Concen: 63.413 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000967.D

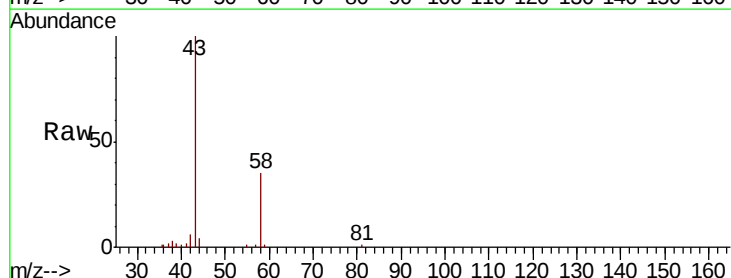
Acq: 16 Dec 2019 19:53

Tgt Ion: 43 Resp: 36144

Ion Ratio Lower Upper

43 100

58 35.0 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000967.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY000967.D (-315) (-)

3.96

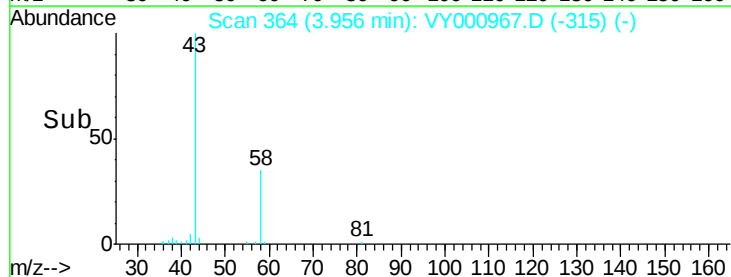
15000

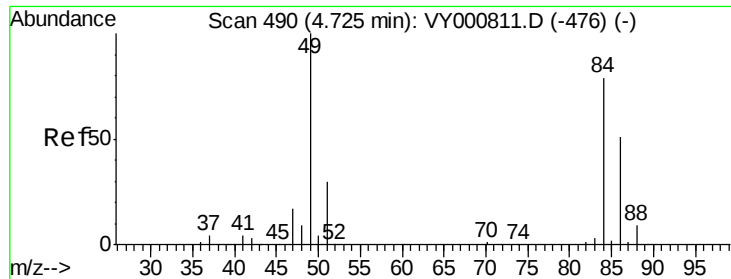
10000

5000

0

Time--> 3.80 3.90 4.00 4.10

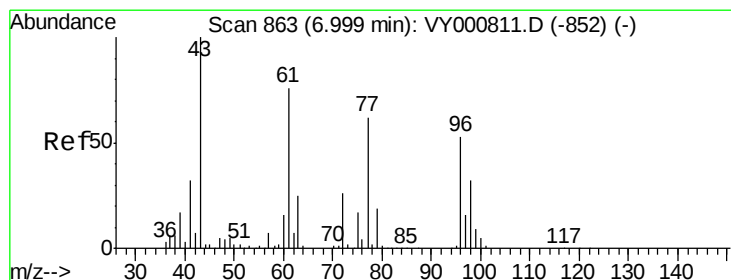
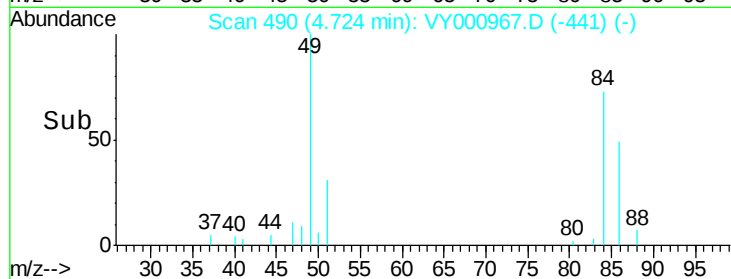
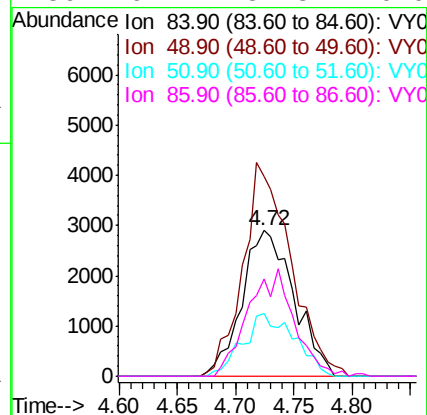
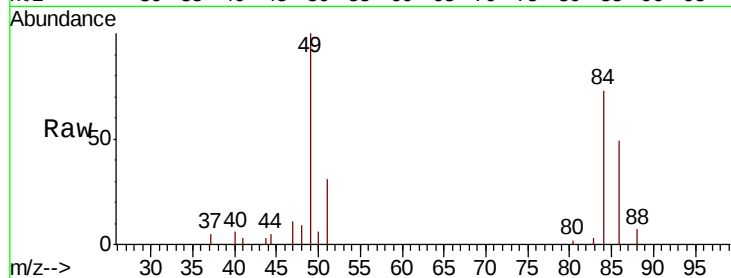




#20
Methylene Chloride
Concen: 2.997 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

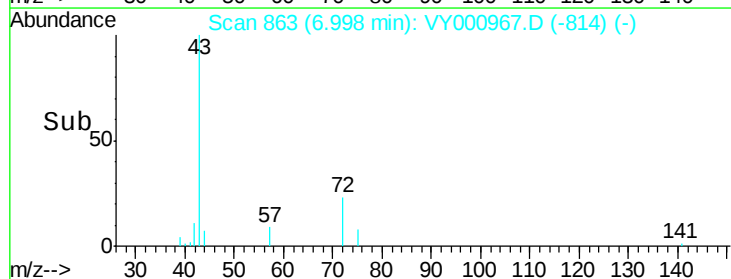
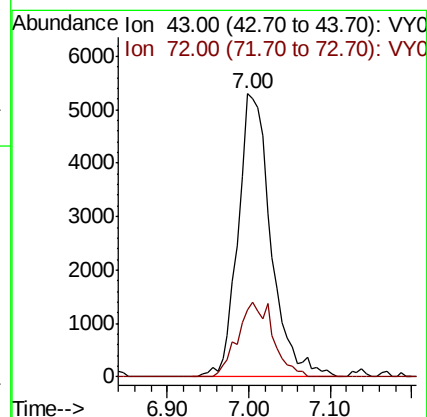
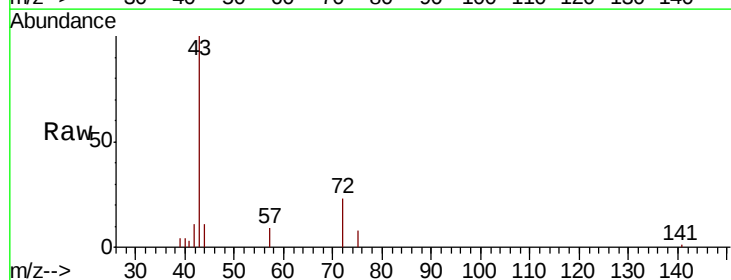
Instrument :
MSVOA_Y
ClientSampleId :
TP-1A-VOC

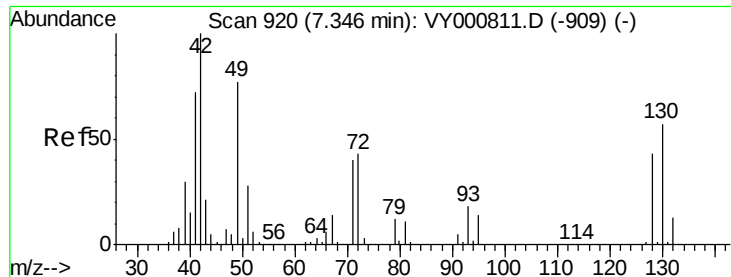
Tgt Ion: 84 Resp: 9004
Ion Ratio Lower Upper
84 100
49 137.2 101.3 151.9
51 42.9 30.6 45.8
86 67.1 51.3 76.9



#25
2-Butanone
Concen: 14.028 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

Tgt Ion: 43 Resp: 14770
Ion Ratio Lower Upper
43 100
72 23.5 21.0 31.4





#28

Bromochloromethane

Concen: 2.052 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.00 min

Lab File: VY000967.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_Y

ClientSampleId :

TP-1A-VOC

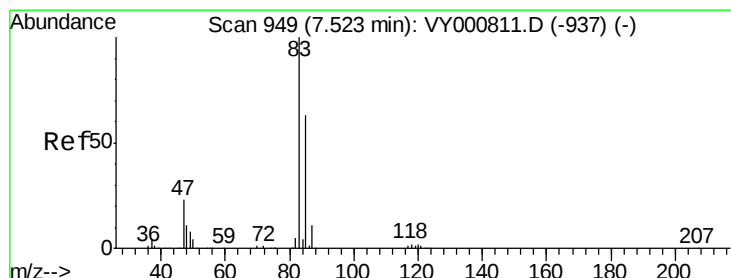
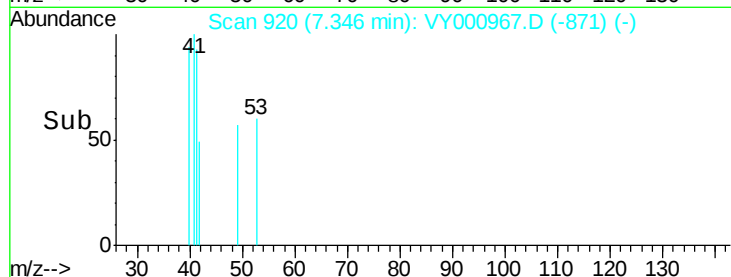
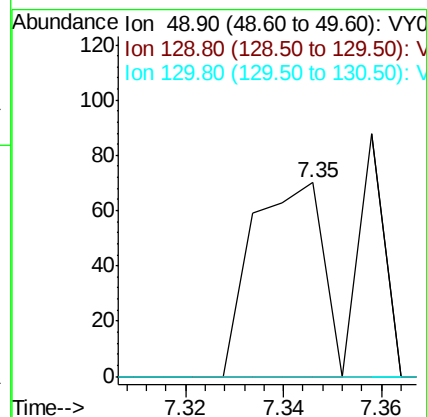
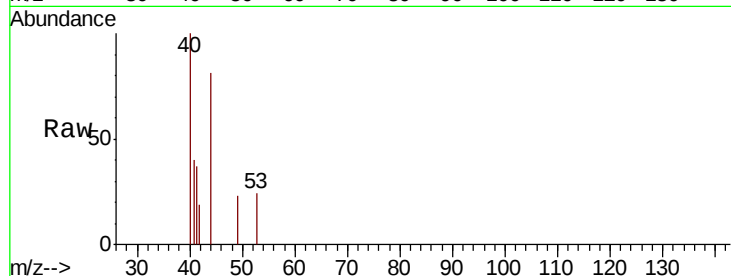
Tgt Ion: 49 Resp: 70

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#



#30

Chloroform

Concen: 2.670 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY000967.D

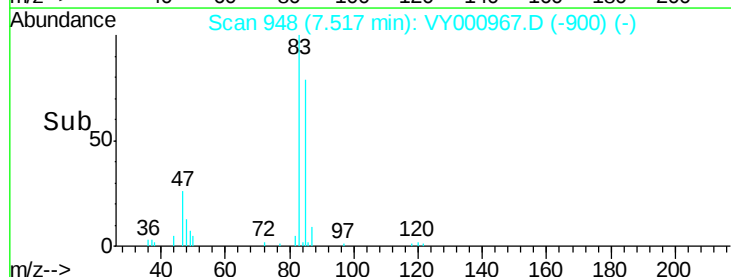
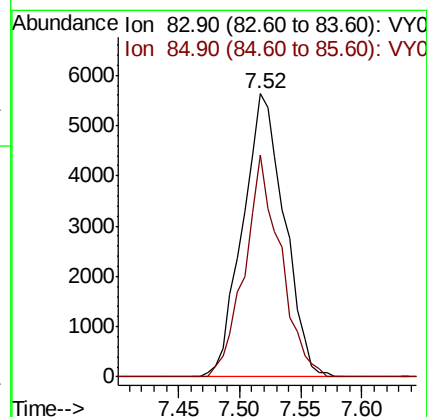
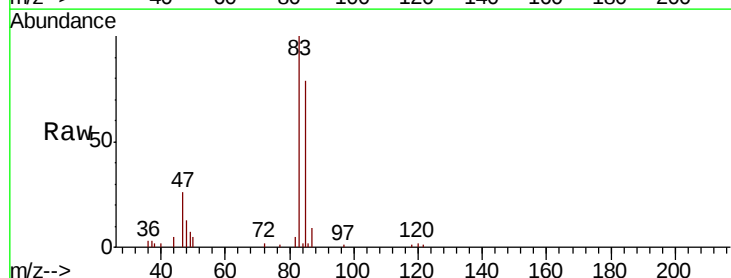
Acq: 16 Dec 2019 19:53

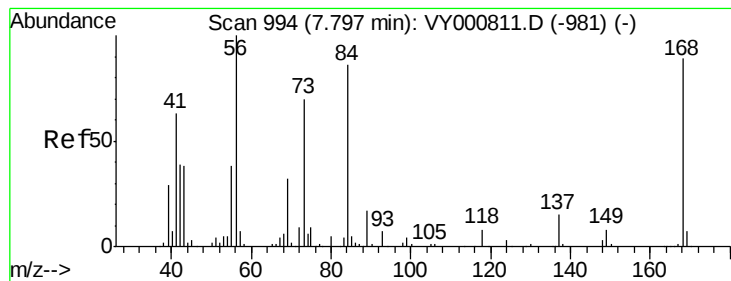
Tgt Ion: 83 Resp: 13338

Ion Ratio Lower Upper

83 100

85 78.6 50.4 75.6#





#31

Cyclohexane

Concen: 1.035 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000967.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_Y

ClientSampleId :

TP-1A-VOC

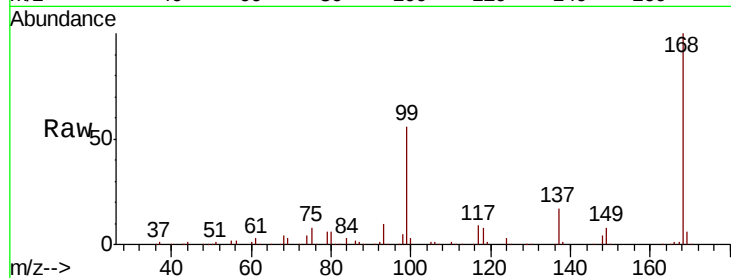
Tgt Ion: 56 Resp: 5462

Ion Ratio Lower Upper

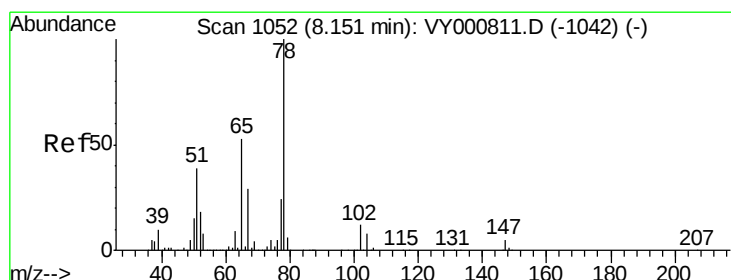
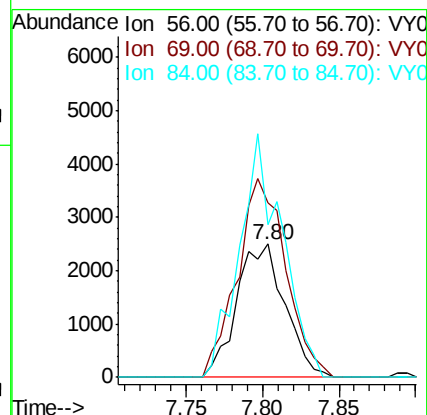
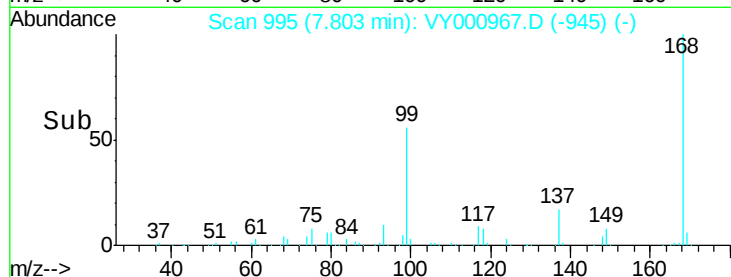
56 100

69 131.0 25.9 38.9#

84 114.7 68.6 102.8#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 55.701 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000967.D

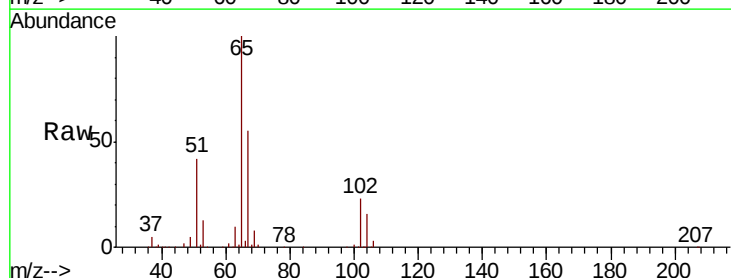
Acq: 16 Dec 2019 19:53

Tgt Ion: 65 Resp: 138396

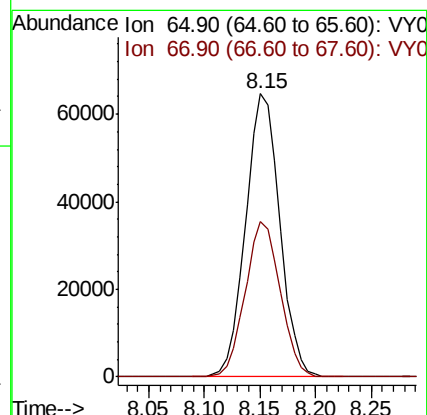
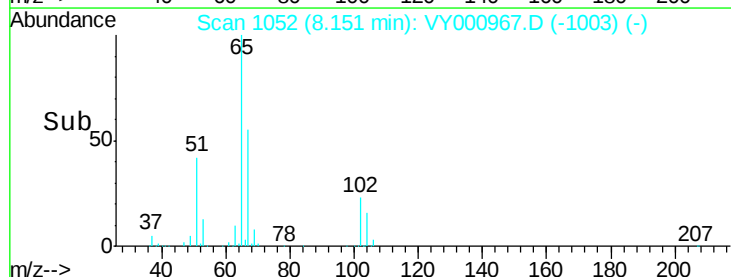
Ion Ratio Lower Upper

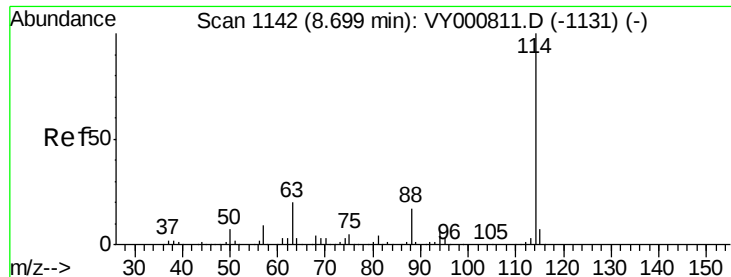
65 100

67 56.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

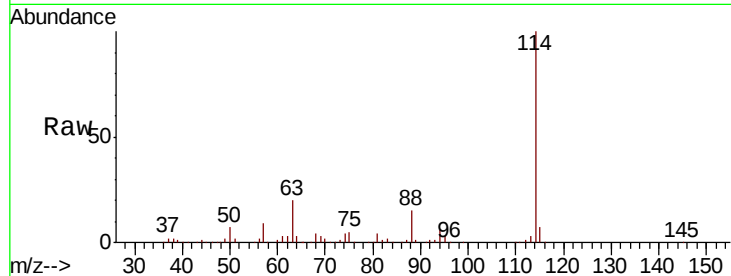




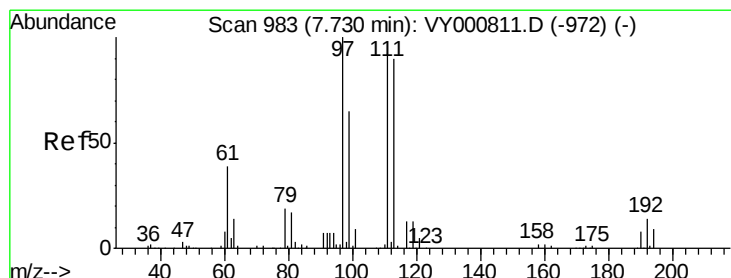
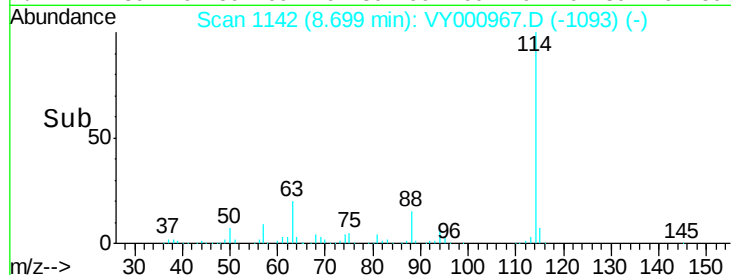
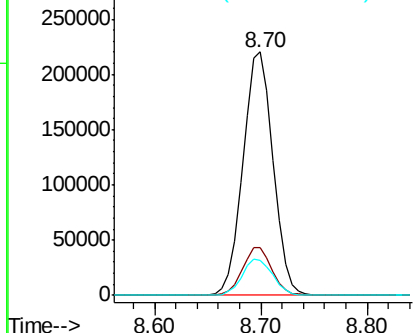
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000967.D
 Acq: 16 Dec 2019 19:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1A-VOC

Tgt Ion:114 Resp: 436828
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 14.5 0.0 33.2

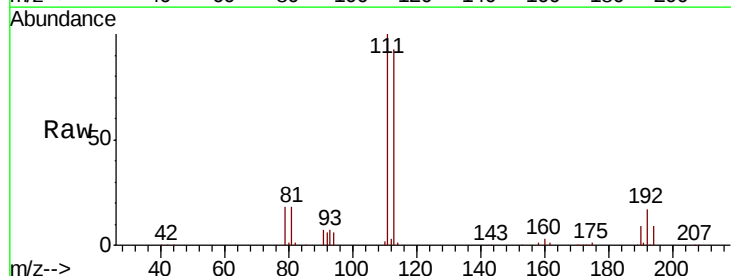


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

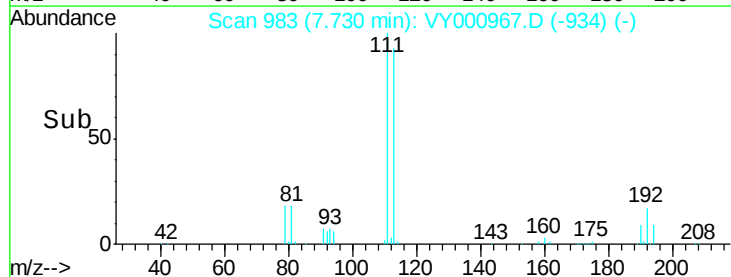
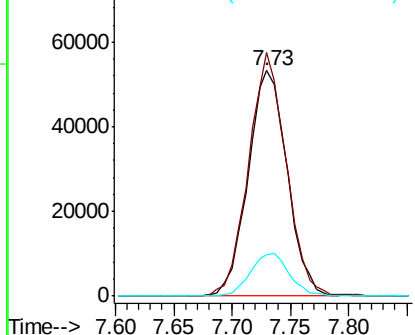


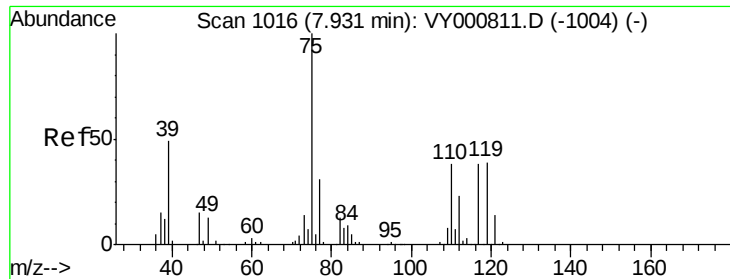
#35
 Dibromofluoromethane
 Concen: 49.039 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000967.D
 Acq: 16 Dec 2019 19:53

Tgt Ion:113 Resp: 124845
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.4 123.6
 192 18.8 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

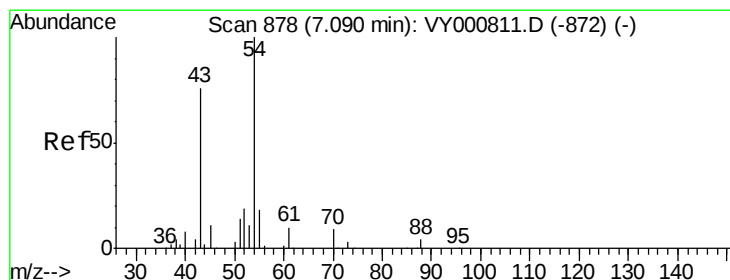
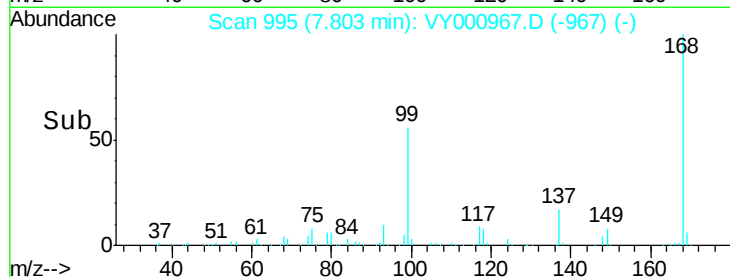
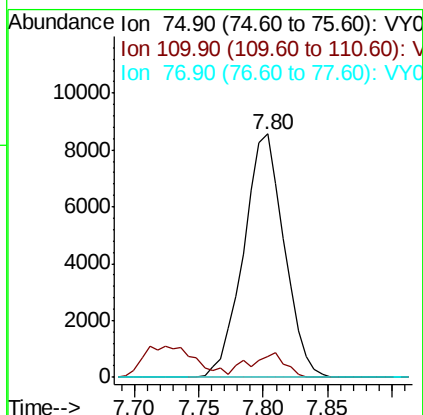
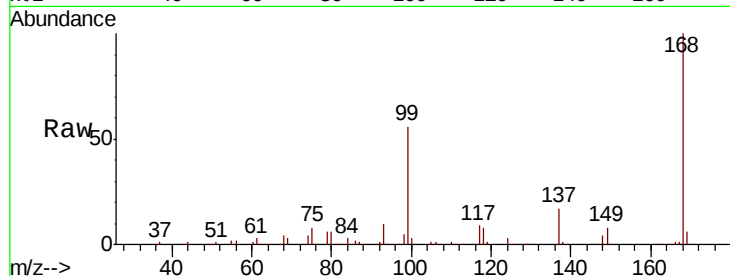




#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000967.D
 Acq: 16 Dec 2019 19:53

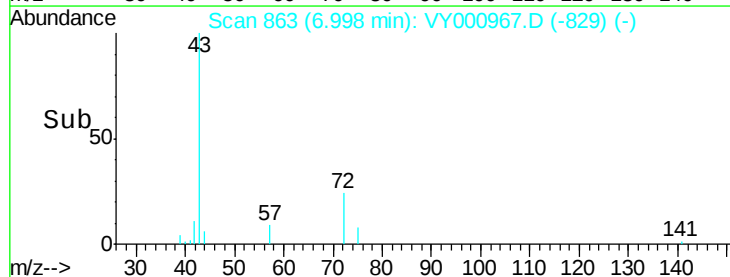
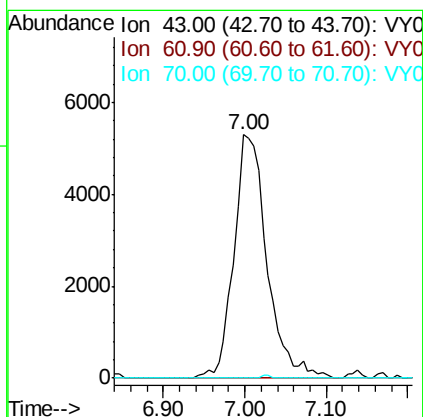
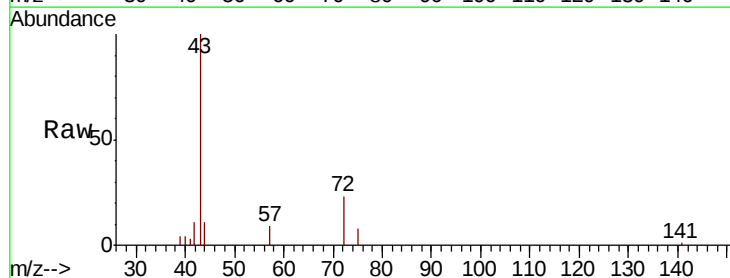
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 ClientSampled :
 TP-1A-VOC

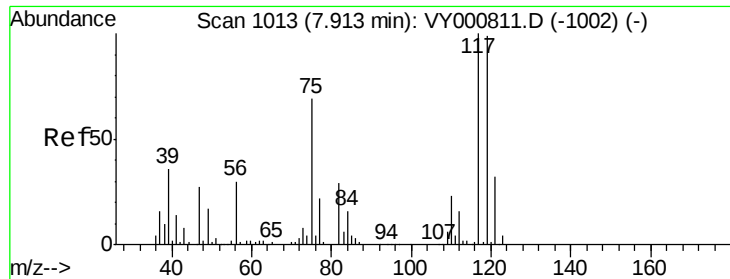
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.9	53.7#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 5.889 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY000967.D
 Acq: 16 Dec 2019 19:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	8.7	13.1#

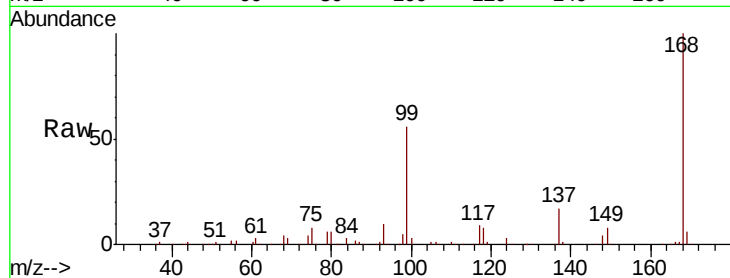




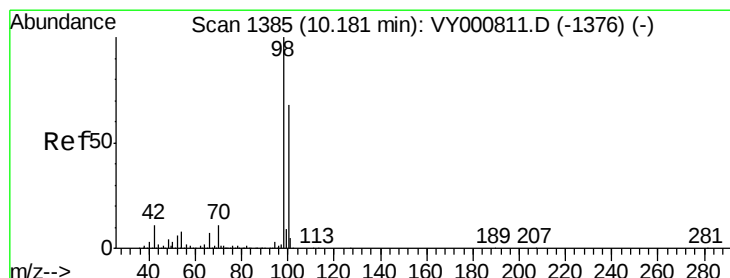
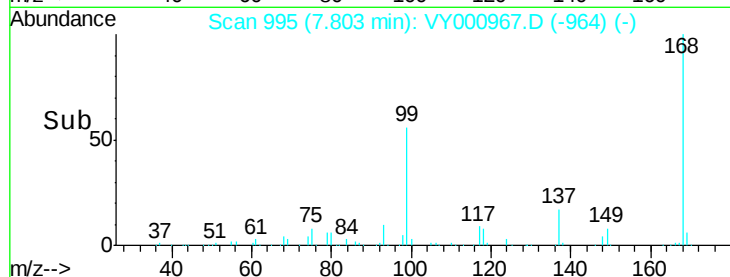
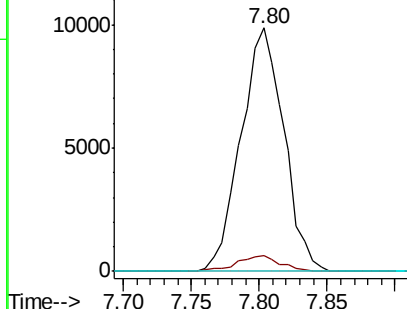
#38
Carbon Tetrachloride
Concen: 5.630 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

Instrument :
MSVOA_Y
ClientSampleId :
TP-1A-VOC

Tgt Ion: 117 Resp: 21778
Ion Ratio Lower Upper
117 100
119 6.4 79.3 118.9#
121 0.0 25.5 38.3#

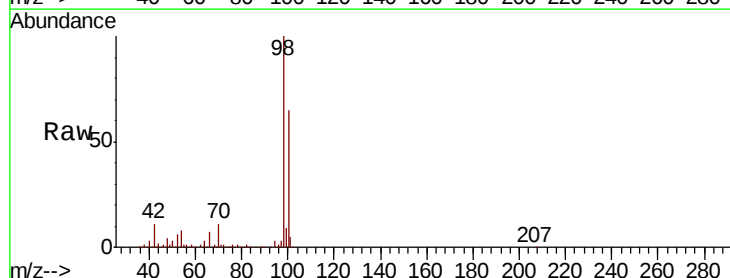


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

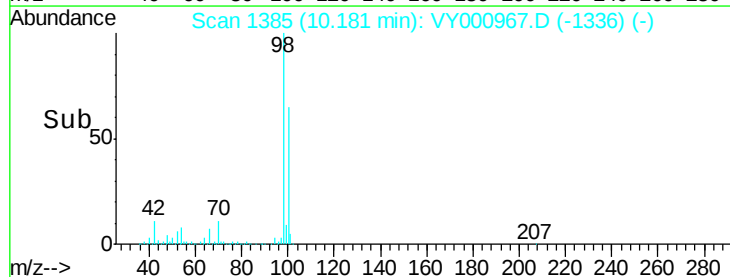
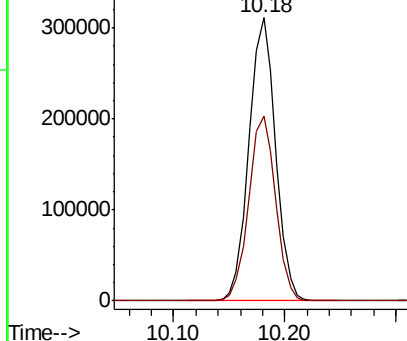


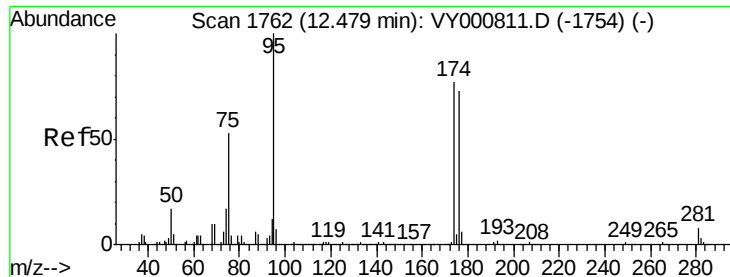
#50
Toluene-d8
Concen: 50.956 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

Tgt Ion: 98 Resp: 518640
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

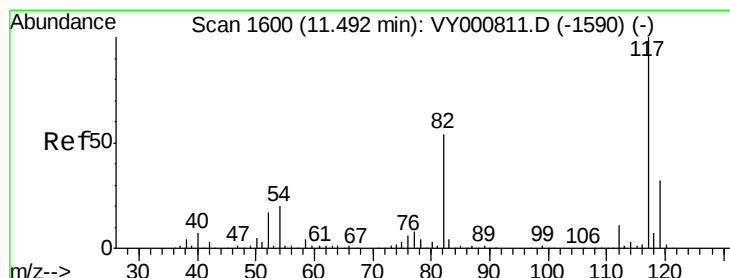
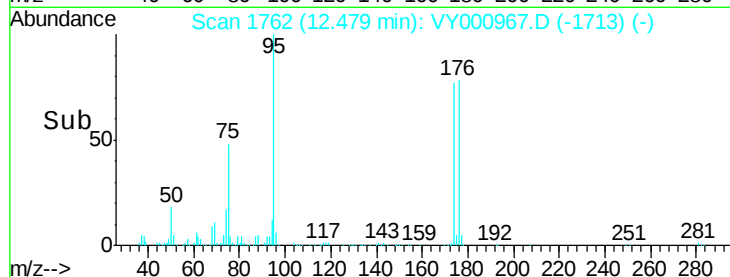
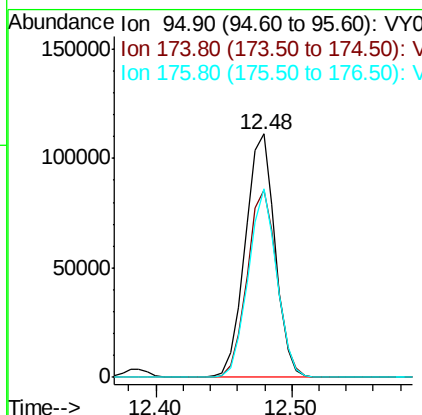
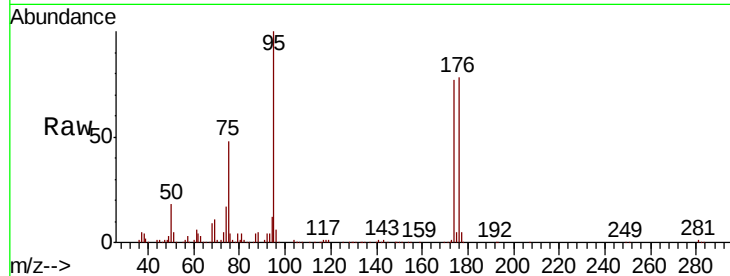




#62
4-Bromofluorobenzene
Concen: 44.461 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

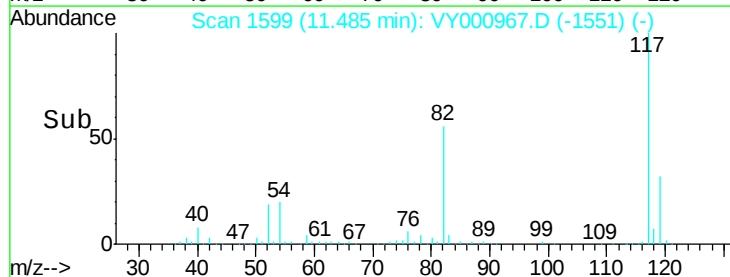
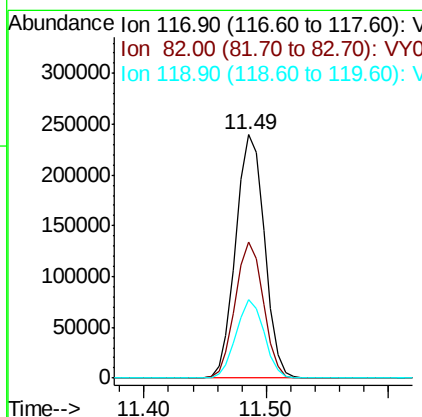
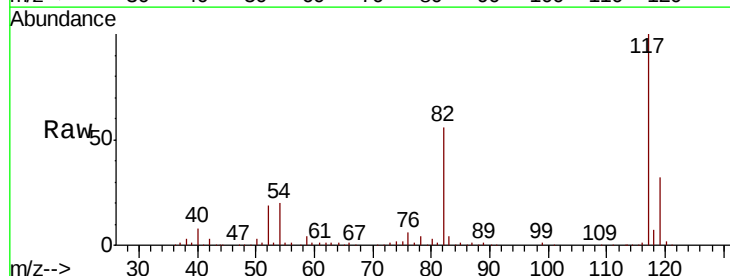
Instrument :
MSVOA_Y
ClientSampleId :
TP-1A-VOC

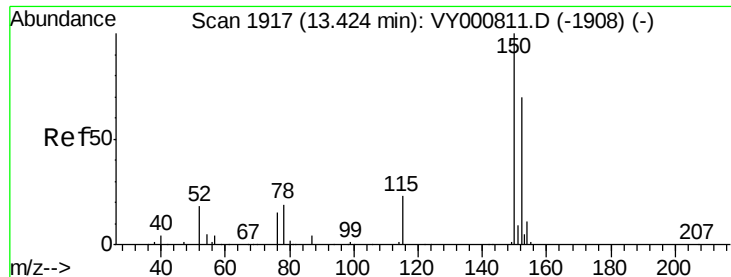
Tgt Ion	Resp	Lower	Upper
95	169948		
174	77.4	0.0	150.6
176	74.7	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

Tgt Ion	Resp	Lower	Upper
117	389901		
82	55.7	43.1	64.7
119	32.2	25.3	37.9



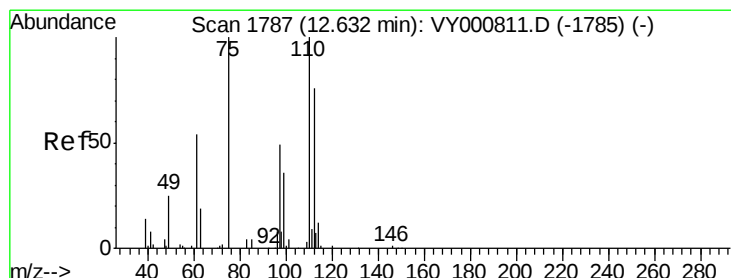
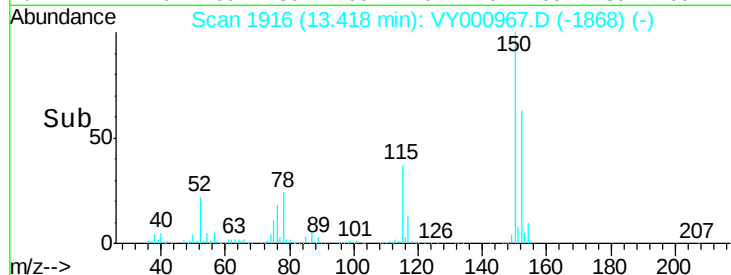
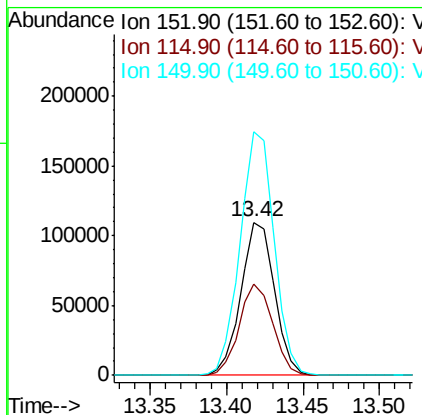
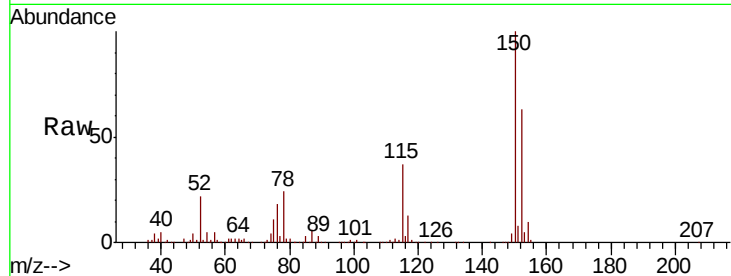


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

Instrument :
MSVOA_Y
ClientSampleId :
TP-1A-VOC

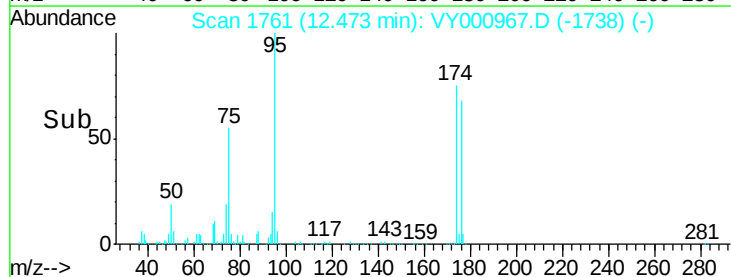
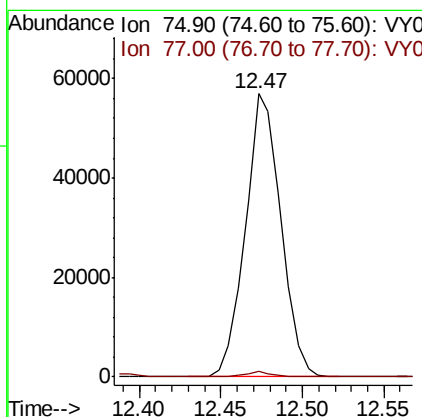
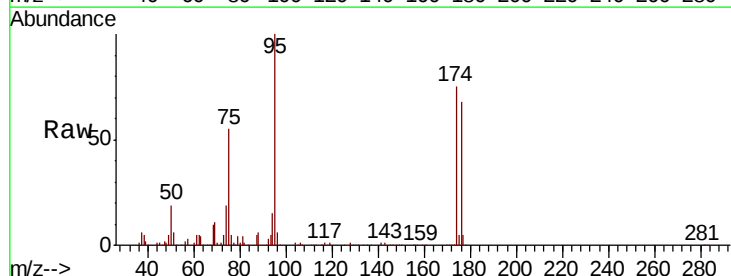
Tgt Ion:152 Resp: 167722
Ion Ratio Lower Upper
152 100
115 59.5 29.3 87.8
150 160.9 0.0 351.2

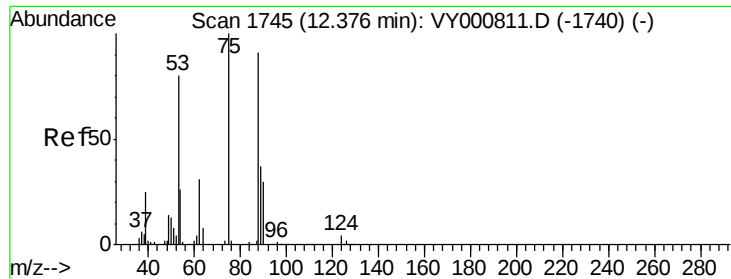


#76

1,2,3-Trichloropropane
Concen: 45.277 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.16 min
Lab File: VY000967.D
Acq: 16 Dec 2019 19:53

Tgt Ion: 75 Resp: 86038
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 88.936 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000967.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_Y

ClientSampleId :

TP-1A-VOC

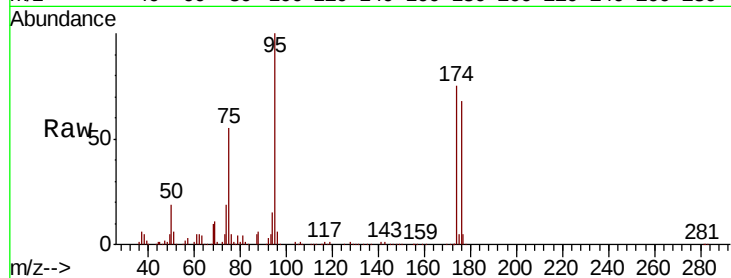
Tgt Ion: 75 Resp: 86038

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.2 33.6 50.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

