

Data File : VY001938.D
Acq On : 11 Mar 2020 13:19
Operator : SY/MD
Sample : L1871-05RE
Misc : 8.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17-(6.5-5.7)RE

Quant Time: Mar 12 01:55:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	70936	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	132010	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	116571	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	49436	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	41277	54.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.02%	
35) Dibromofluoromethane	7.73	113	37964	52.67	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.19	98	157775	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.49	95	50990	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

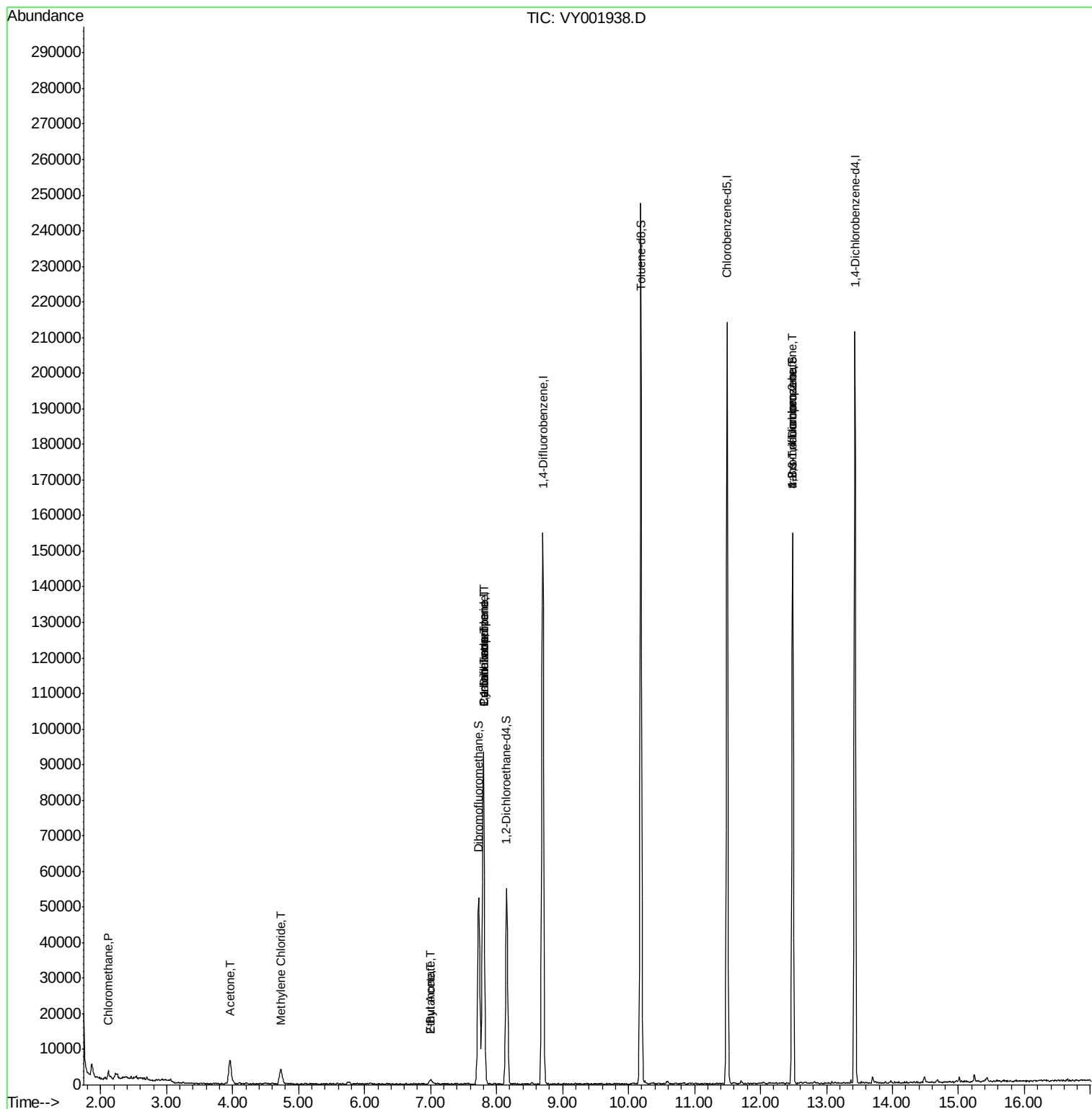
Target Compounds			Qvalue			
3) Chloromethane	2.12	50	1658	1.878	ug/l	92
5) Bromomethane	2.67	94	124	Below Cal	#	58
11) Tert butyl alcohol	4.96	59	41	Below Cal	#	74
16) Acetone	3.96	43	11717	53.122	ug/l	94
20) Methylene Chloride	4.74	84	3258	3.446	ug/l	94
25) 2-Butanone	7.00	43	2068	6.165	ug/l	95
31) Cyclohexane	7.80	56	1755	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	6312	4.969	ug/l #	50
37) Ethyl Acetate	7.00	43	2068	2.801	ug/l #	69
38) Carbon Tetrachloride	7.80	117	7349	6.772	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	26254	44.757	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	26254	90.407	ug/l #	17

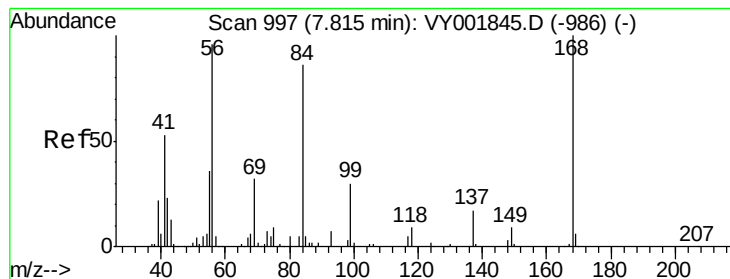
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

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MSVOA_Y

ClientSampleId :

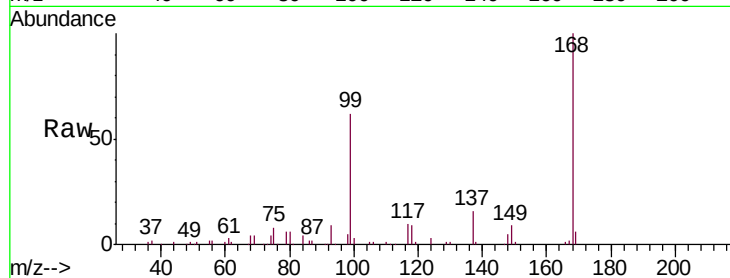
TP-17-(6.5-5.7)RE

Tgt Ion:168 Resp: 70936

Ion Ratio Lower Upper

168 100

99 61.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.80

30000

20000

10000

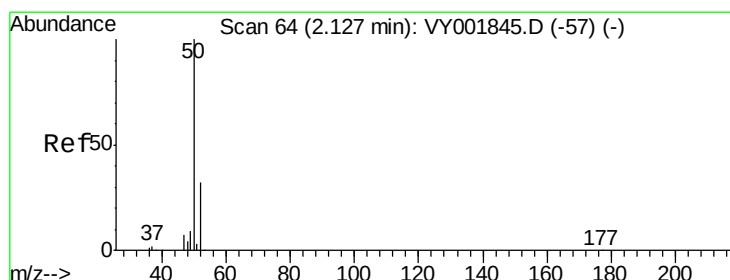
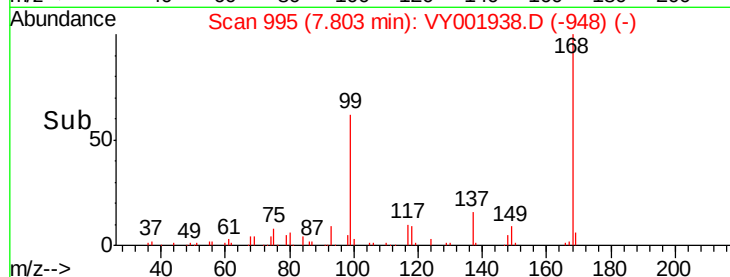
0

Time-->

7.70

7.80

7.90



#3

Chloromethane

Concen: 1.878 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001938.D

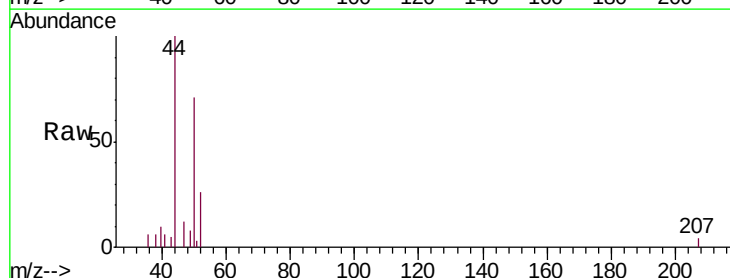
Acq: 11 Mar 2020 13:19

Tgt Ion: 50 Resp: 1658

Ion Ratio Lower Upper

50 100

52 36.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001845.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VY001845.D (-57) (-)

2.12

1000

500

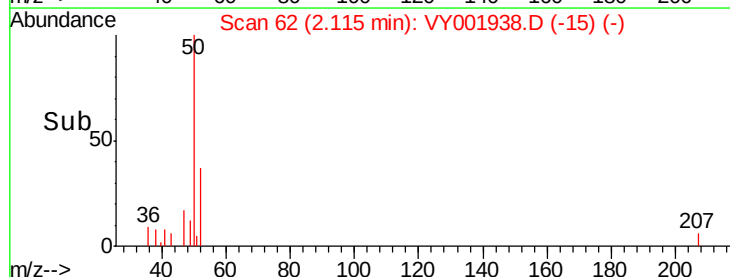
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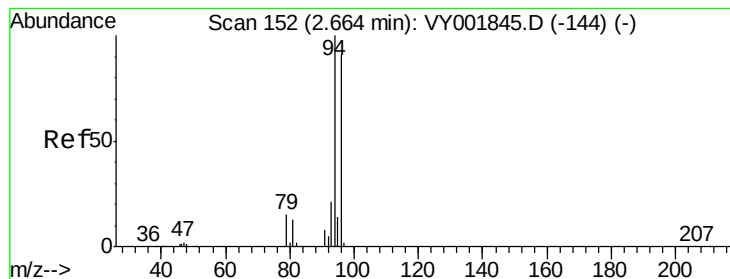
Time-->

2.05

2.10

2.15





#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001938.D

Acq: 11 Mar 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

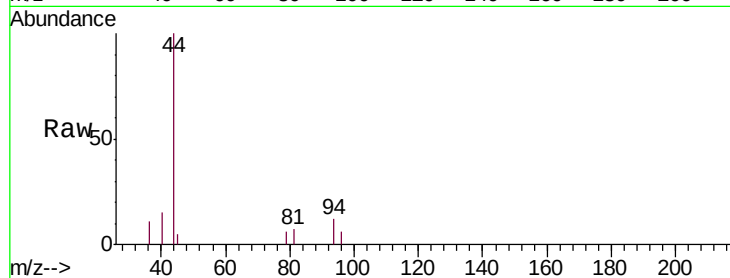
TP-17-(6.5-5.7)RE

Tgt Ion: 94 Resp: 124

Ion Ratio Lower Upper

94 100

96 51.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

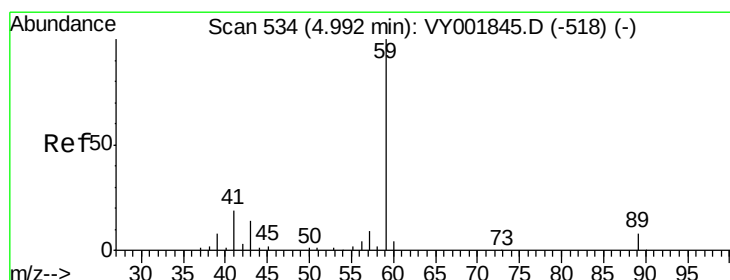
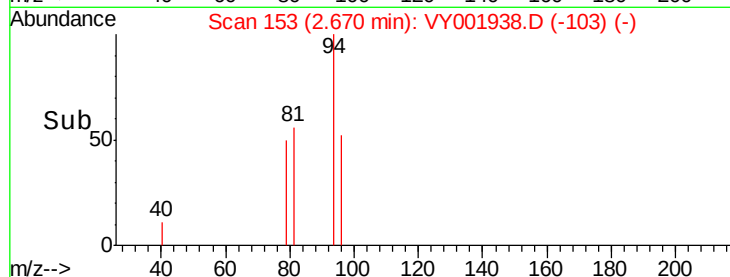
2.67

100

50

0

Time--> 2.62 2.64 2.66 2.68



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.03 min

Lab File: VY001938.D

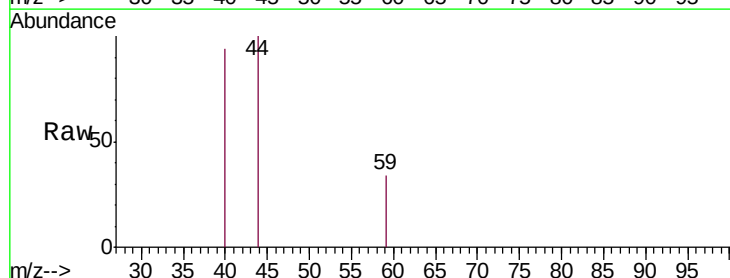
Acq: 11 Mar 2020 13:19

Tgt Ion: 59 Resp: 41

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.96

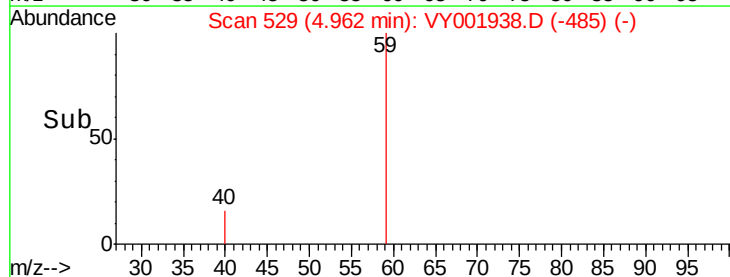
60

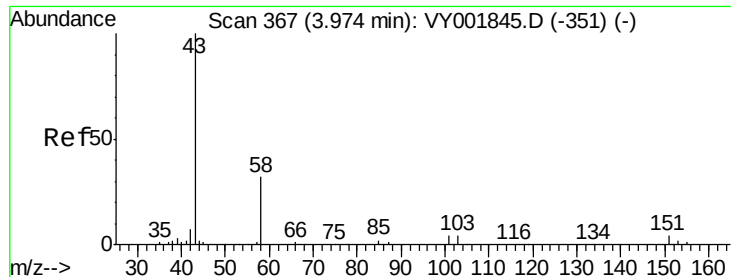
40

20

0

Time--> 4.94 4.96 4.98





#16

Acetone

Concen: 53.122 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VY001938.D

Acq: 11 Mar 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

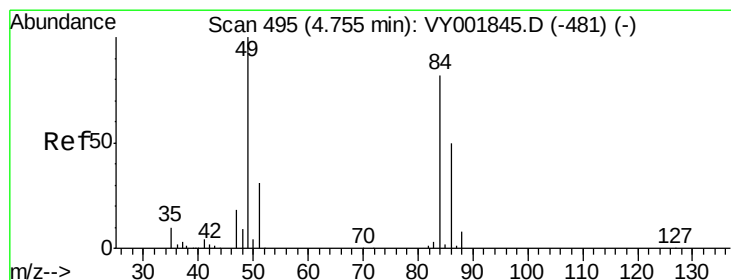
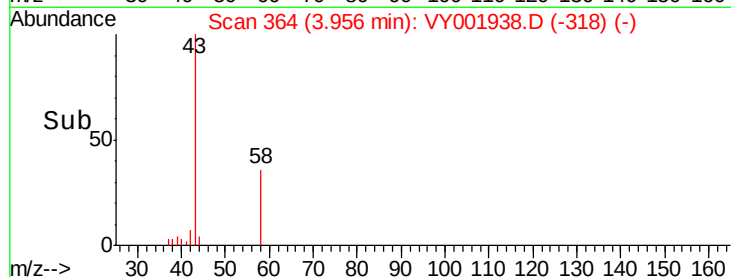
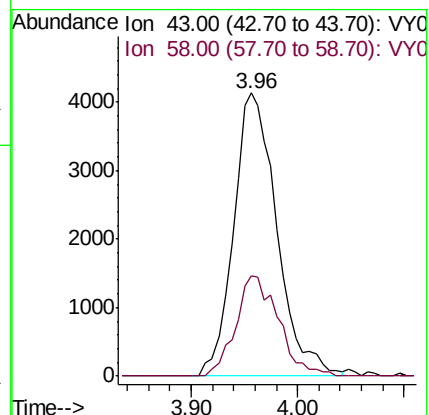
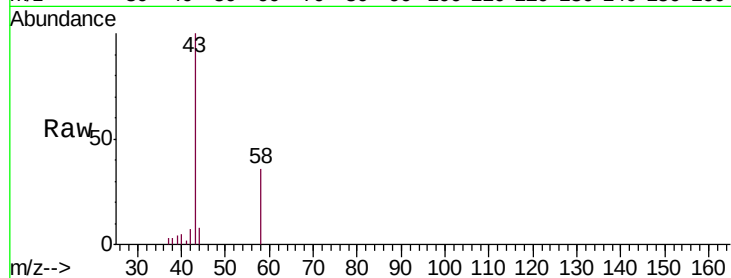
TP-17-(6.5-5.7)RE

Tgt Ion: 43 Resp: 11717

Ion Ratio Lower Upper

43 100

58 35.5 25.9 38.9



#20

Methylene Chloride

Concen: 3.446 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY001938.D

Acq: 11 Mar 2020 13:19

Tgt Ion: 84 Resp: 3258

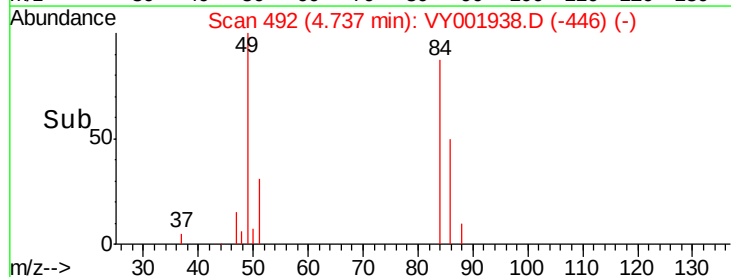
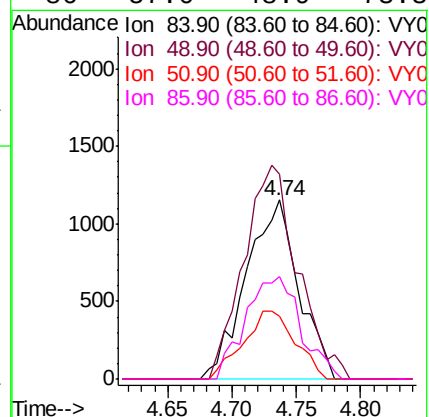
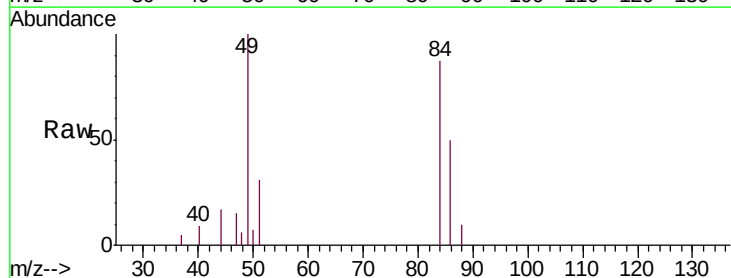
Ion Ratio Lower Upper

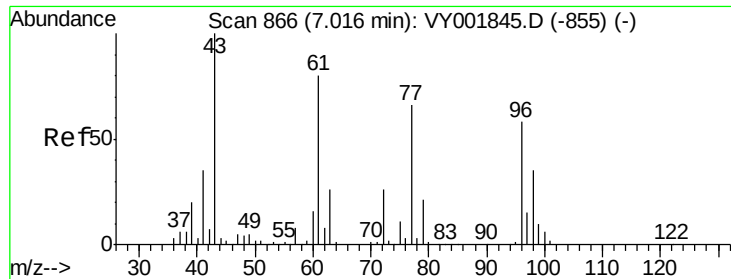
84 100

49 114.4 98.2 147.2

51 35.0 30.2 45.2

86 57.0 48.9 73.3





#25

2-Butanone

Concen: 6.165 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001938.D

Acq: 11 Mar 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

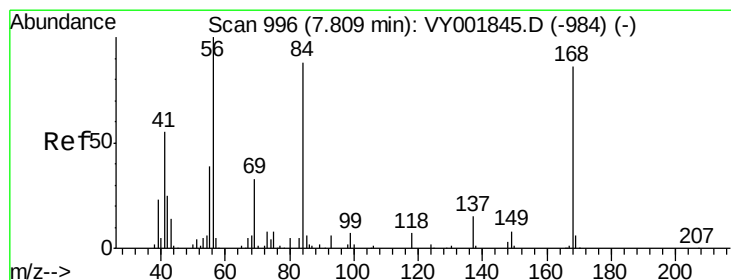
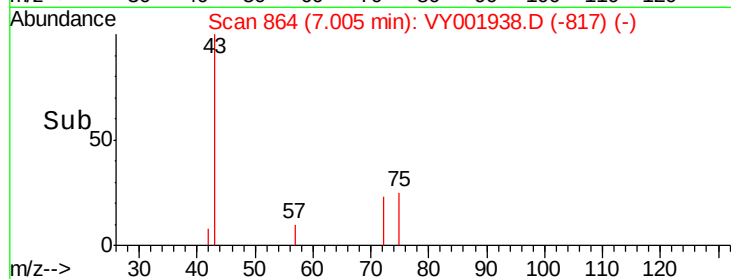
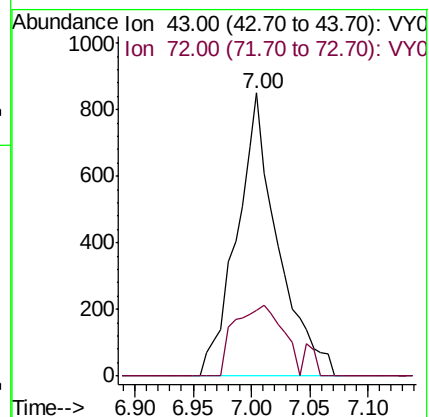
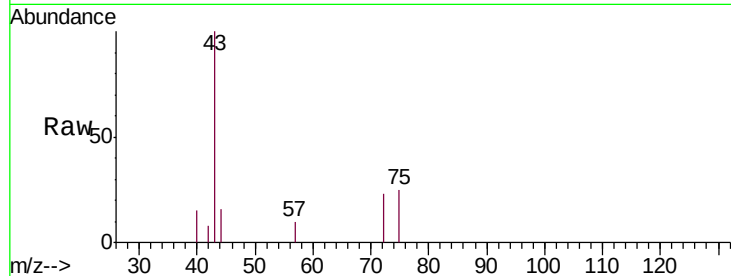
TP-17-(6.5-5.7)RE

Tgt Ion: 43 Resp: 2068

Ion Ratio Lower Upper

43 100

72 23.3 20.9 31.3



#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001938.D

Acq: 11 Mar 2020 13:19

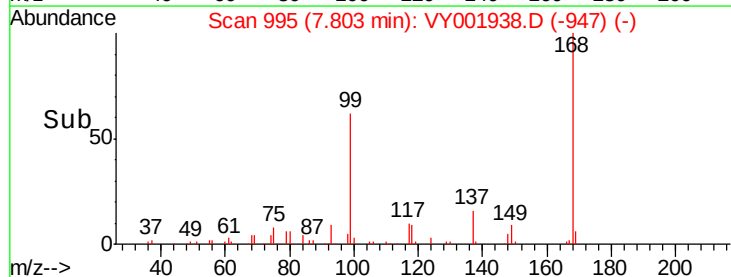
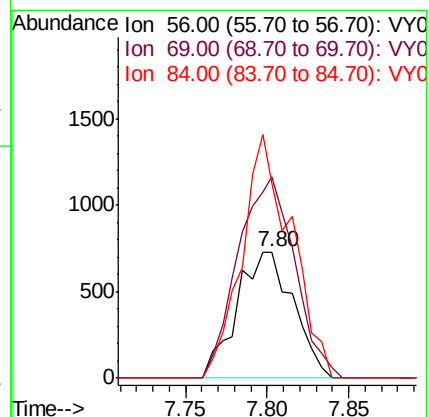
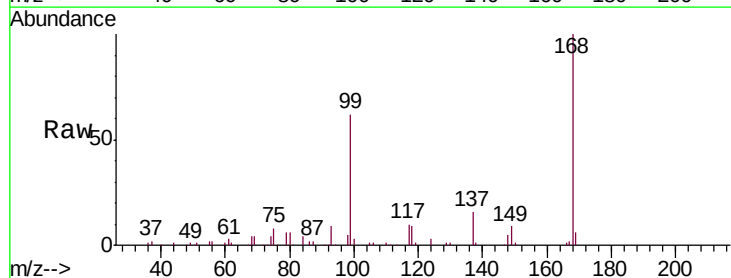
Tgt Ion: 56 Resp: 1755

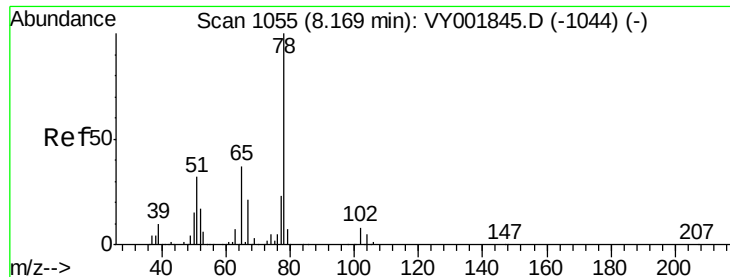
Ion Ratio Lower Upper

56 100

69 159.9 26.7 40.1#

84 154.0 70.4 105.6#

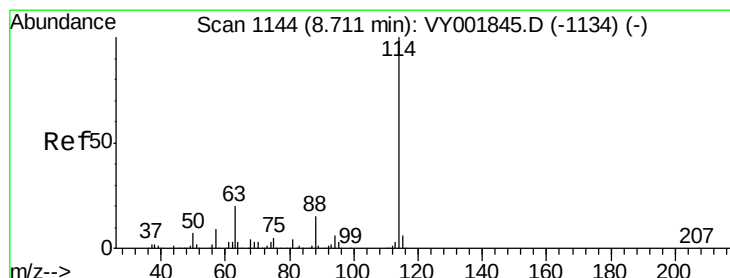
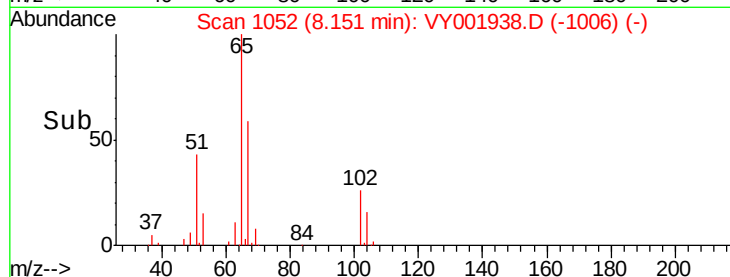
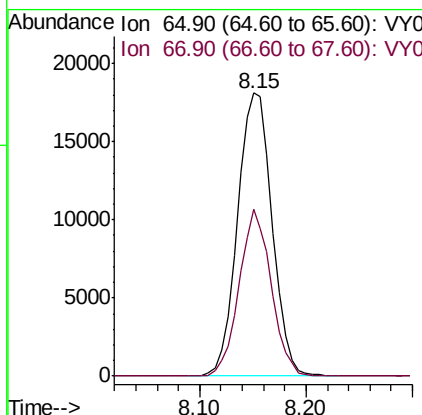
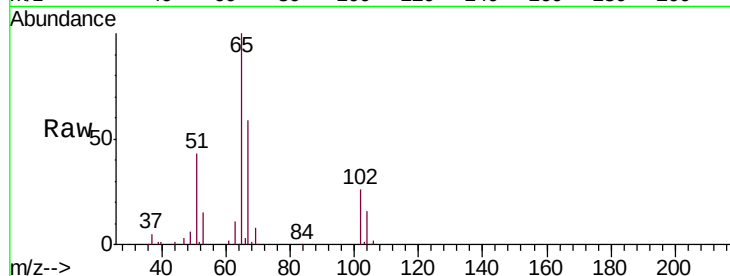




#33
 1,2-Dichloroethane-d4
 Concen: 54.506 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001938.D
 Acq: 11 Mar 2020 13:19

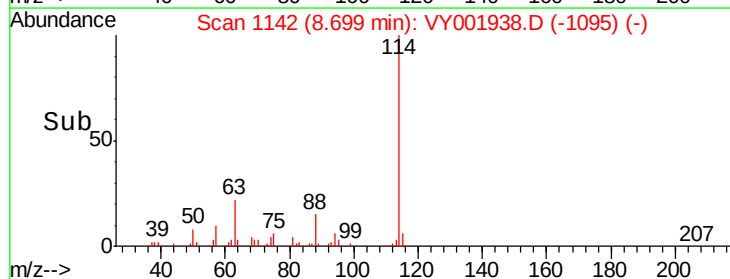
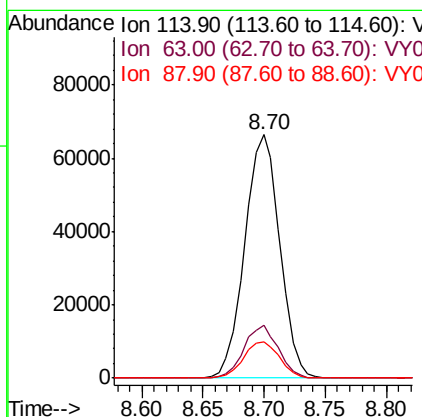
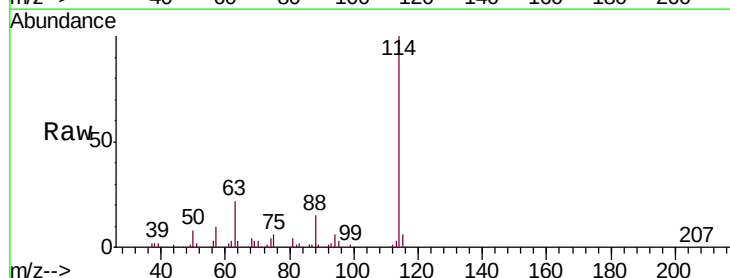
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-(6.5-5.7)RE

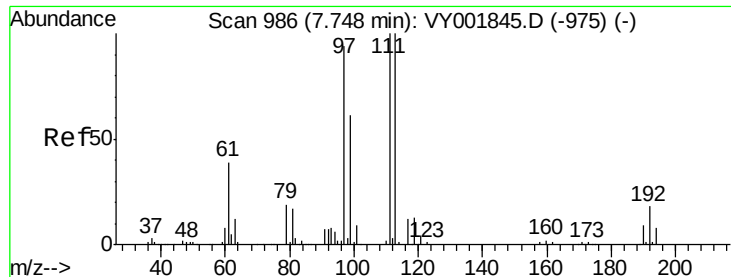
Tgt Ion: 65 Resp: 41277
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001938.D
 Acq: 11 Mar 2020 13:19

Tgt Ion: 114 Resp: 132010
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.4
 88 15.1 0.0 30.4

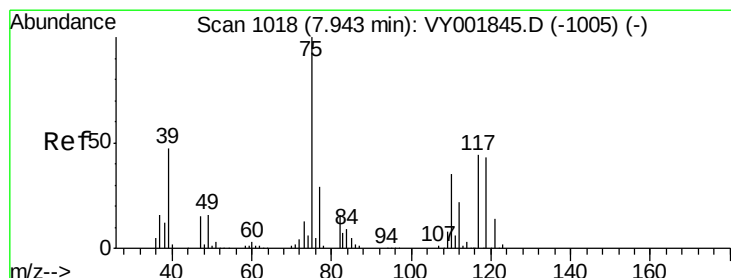
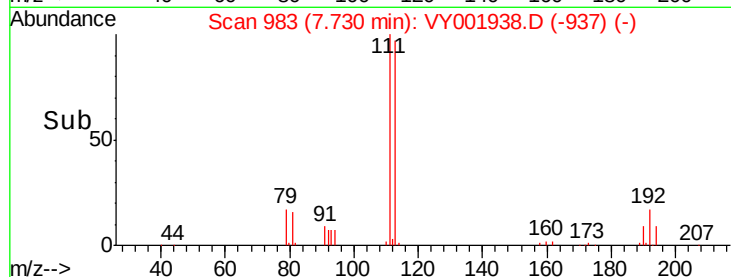
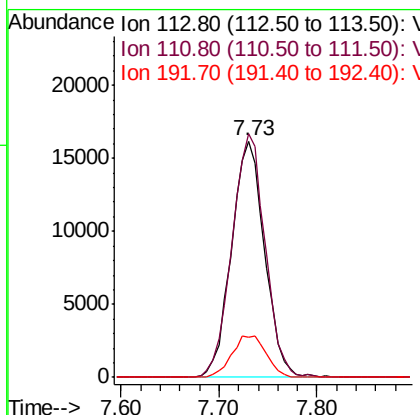
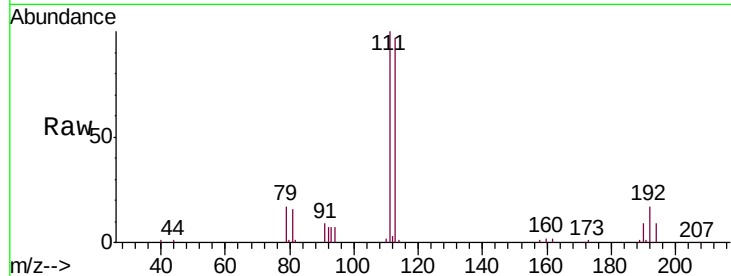




#35
 Dibromofluoromethane
 Concen: 52.667 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001938.D
 Acq: 11 Mar 2020 13:19

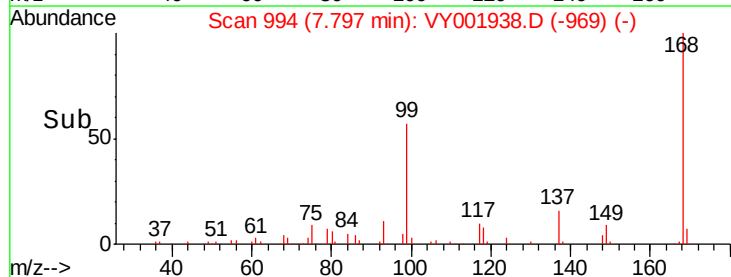
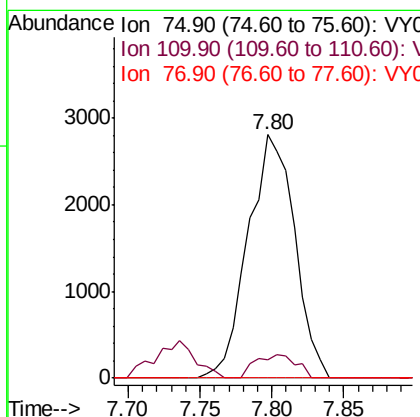
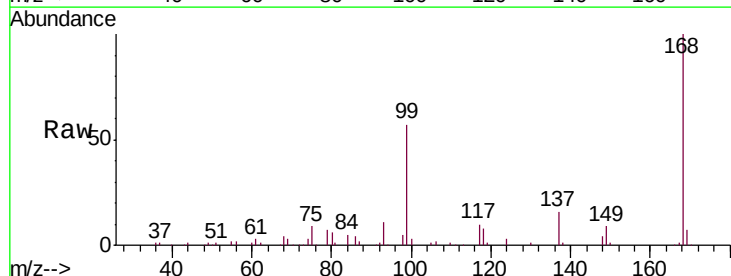
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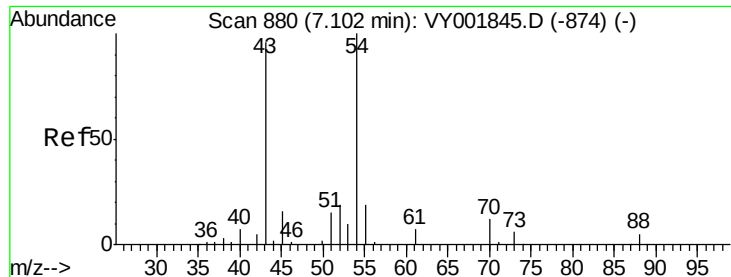
Tgt Ion:113 Resp: 37964
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.8 122.8
 192 18.3 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.15 min
 Lab File: VY001938.D
 Acq: 11 Mar 2020 13:19

Tgt Ion: 75 Resp: 6312
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.4 52.2#
 77 0.0 24.2 36.2#

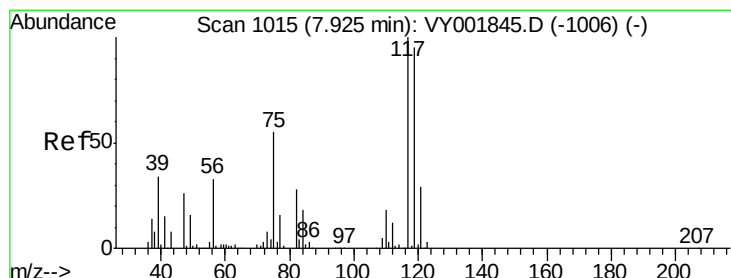
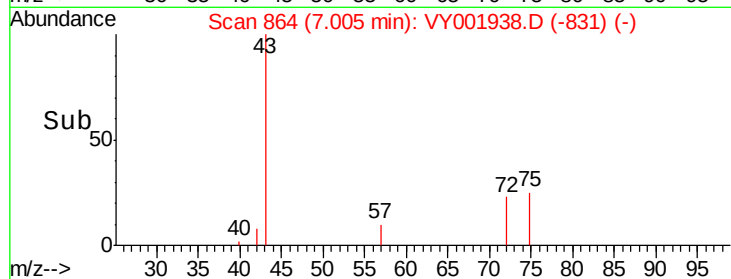
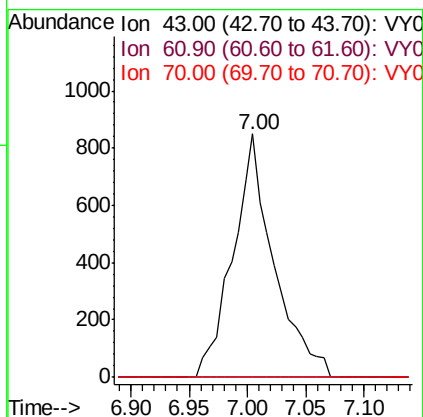
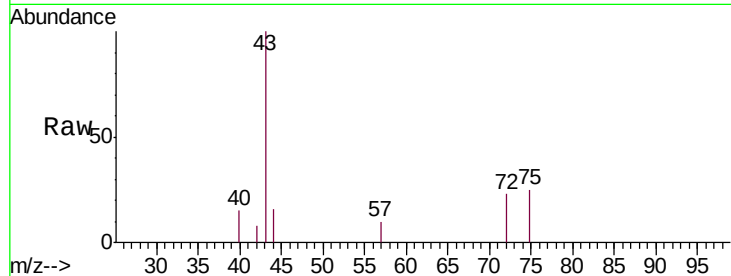




#37
Ethyl Acetate
Concen: 2.801 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.10 min
Lab File: VY001938.D
Acq: 11 Mar 2020 13:19

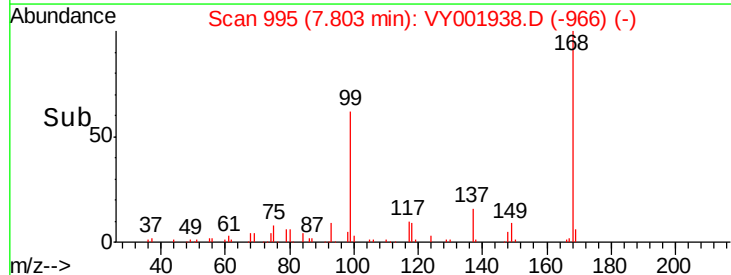
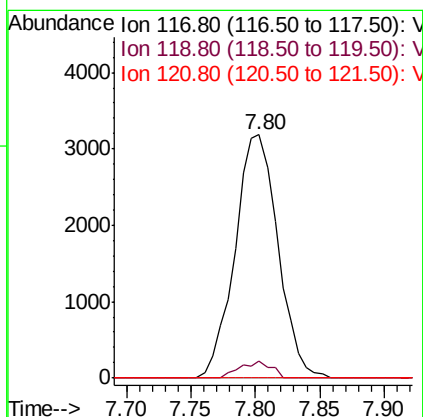
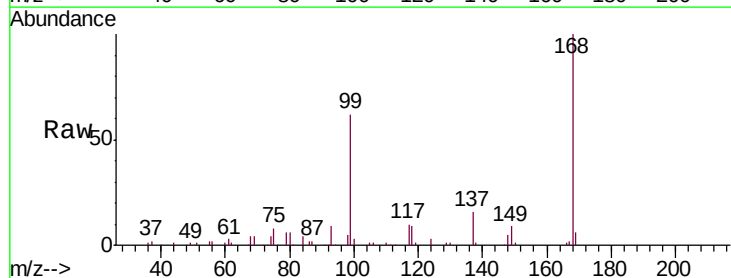
Instrument :
MSVOA_Y
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TP-17-(6.5-5.7)RE

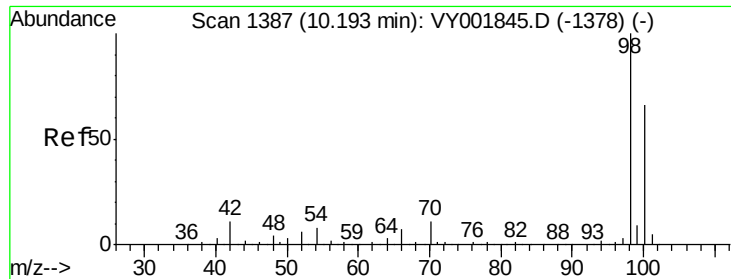
Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.772 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY001938.D
Acq: 11 Mar 2020 13:19

Tgt Ion: 117 Resp: 7349
Ion Ratio Lower Upper
117 100
119 6.8 76.3 114.5#
121 0.0 23.5 35.3#

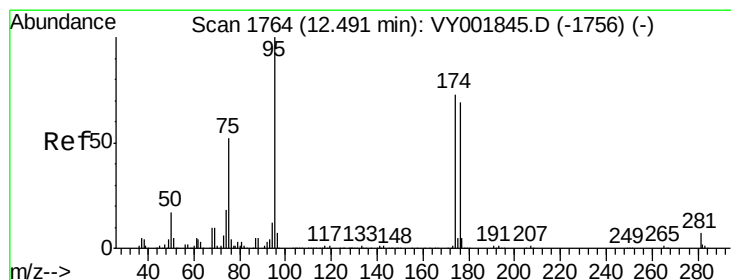
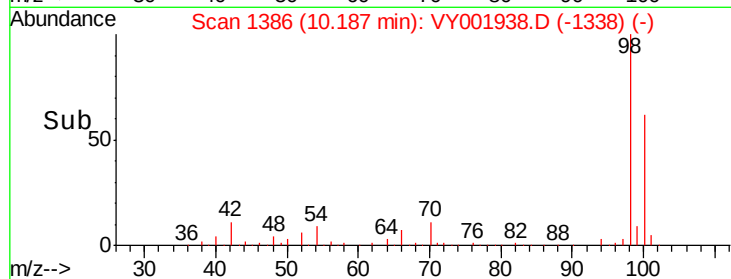
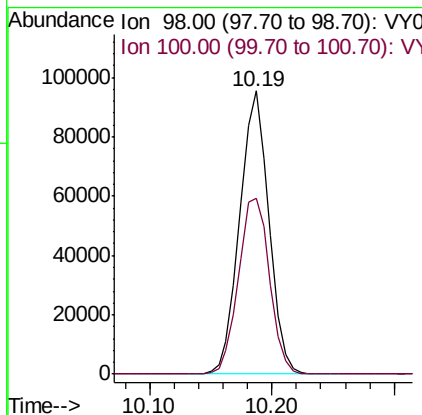
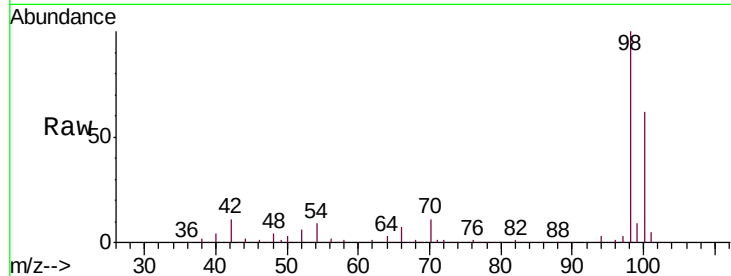




#50
Toluene-d8
Concen: 51.906 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001938.D
Acq: 11 Mar 2020 13:19

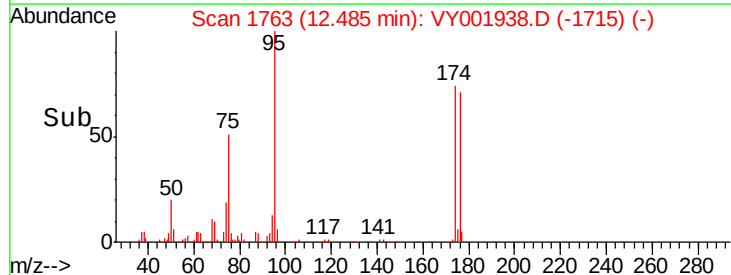
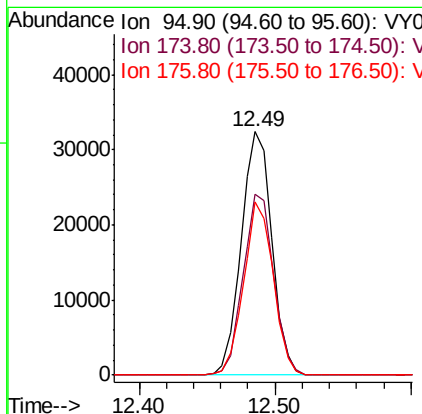
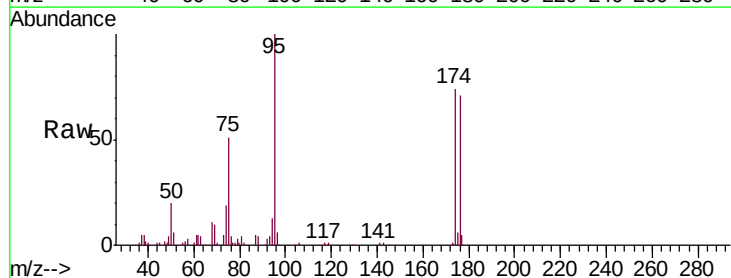
Instrument :
MSVOA_Y
ClientSampleId :
TP-17-(6.5-5.7)RE

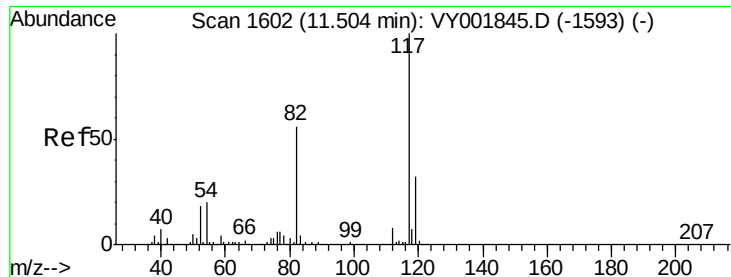
Tgt Ion: 98 Resp: 157775
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.244 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001938.D
Acq: 11 Mar 2020 13:19

Tgt Ion: 95 Resp: 50990
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.0
176 69.3 0.0 137.4

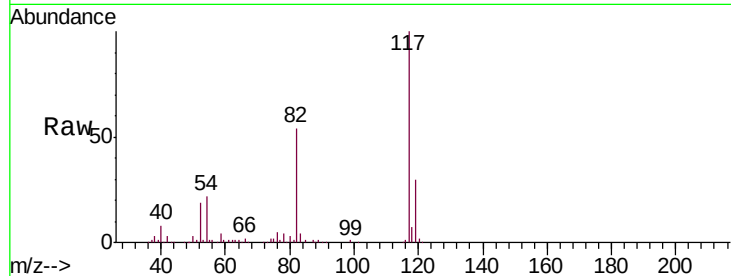




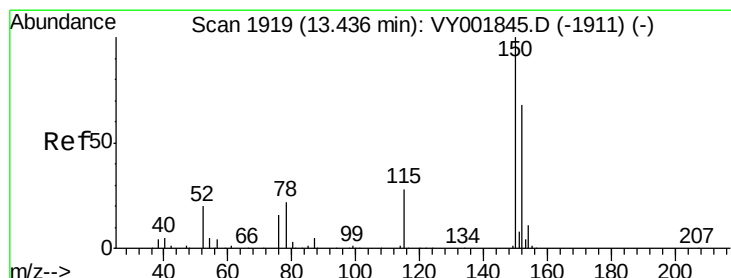
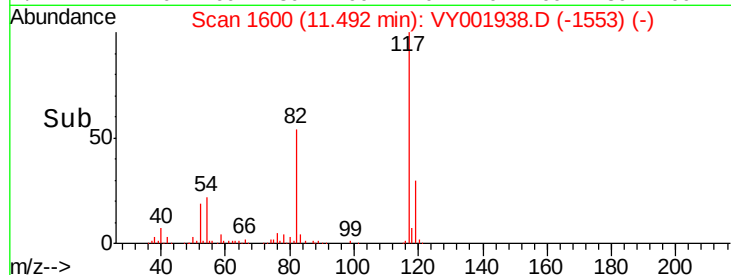
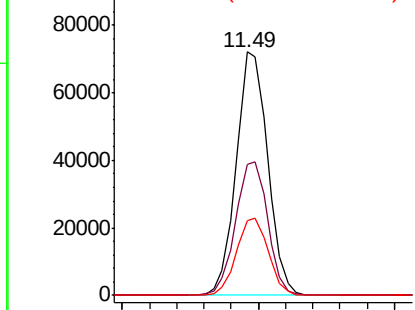
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001938.D
Acq: 11 Mar 2020 13:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-17-(6.5-5.7)RE

Tgt Ion:117 Resp: 116571
Ion Ratio Lower Upper
117 100
82 53.6 44.5 66.7
119 30.4 25.7 38.5

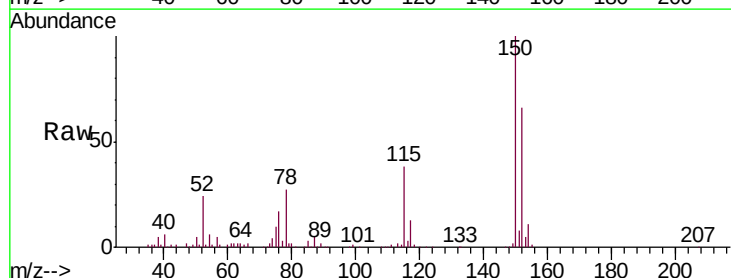


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

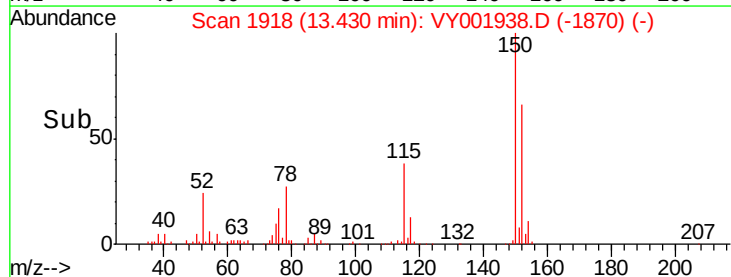
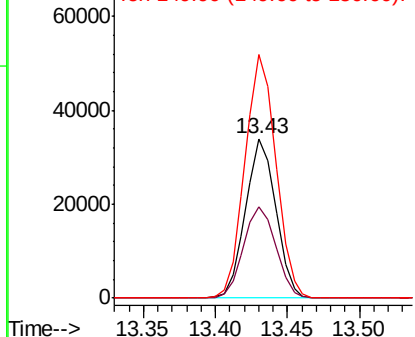


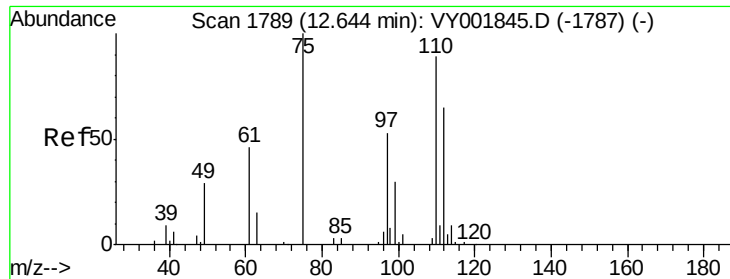
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001938.D
Acq: 11 Mar 2020 13:19

Tgt Ion:152 Resp: 49436
Ion Ratio Lower Upper
152 100
115 61.2 29.9 89.7
150 156.3 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

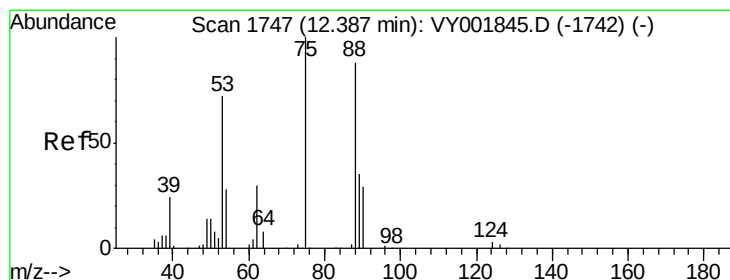
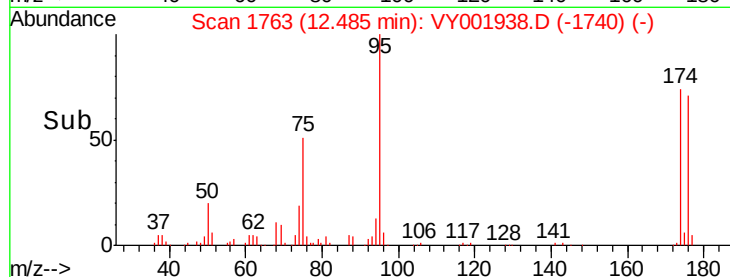
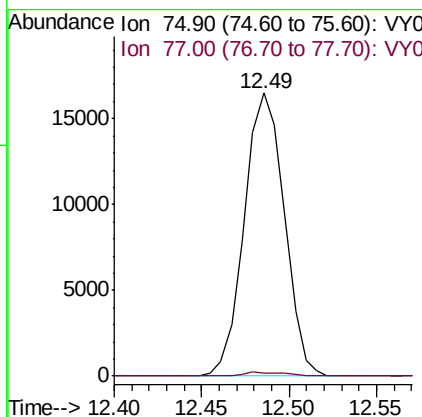
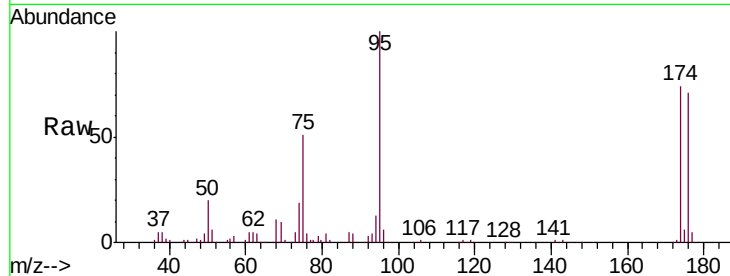




#76
 1,2,3-Trichloropropane
 Concen: 44.757 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001938.D
 Acq: 11 Mar 2020 13:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-(6.5-5.7)RE

Tgt Ion: 75 Resp: 26254
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.407 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY001938.D
 Acq: 11 Mar 2020 13:19

Tgt Ion: 75 Resp: 26254
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.1 36.0 54.0#

