

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
 Data File : VY001914.D
 Acq On : 09 Mar 2020 17:31
 Operator : SY/MD
 Sample : L1852-18
 Misc : 6.56G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-D2

Quant Time: Mar 10 11:55:20 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	140671	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	271861	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	221429	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	73022	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	86226	57.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	7.73	113	79638	53.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.18	98	324783	51.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.48	95	86233	39.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	79.24%	

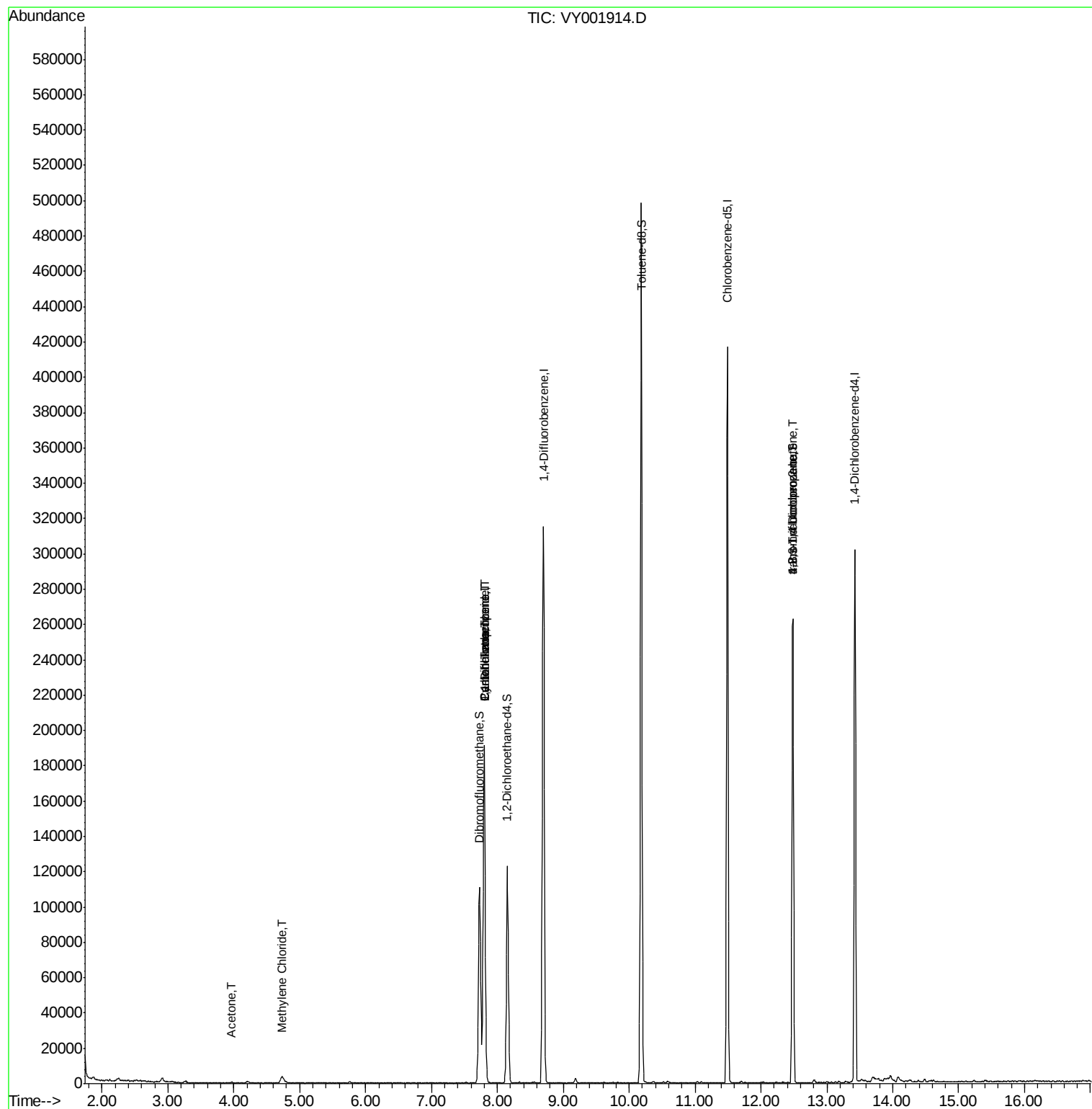
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.62	94	21	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	24	Below Cal	#	74
16) Acetone	3.96	43	768	1.76	ug/l	95
20) Methylene Chloride	4.74	84	2647	1.41	ug/l	# 85
31) Cyclohexane	7.80	56	3658	1.11	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	12208	4.67	ug/l	# 49
38) Carbon Tetrachloride	7.80	117	14904	6.67	ug/l	# 15
76) 1,2,3-Trichloropropane	12.48	75	45477	52.49	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	45477	106.02	ug/l	# 17

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

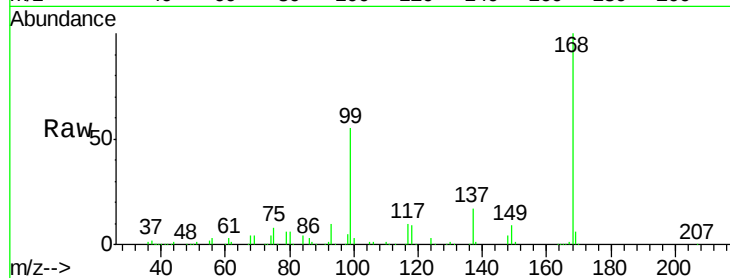
TP-3-D2

Tgt Ion:168 Resp: 140671

Ion Ratio Lower Upper

168 100

99 55.2 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

60000

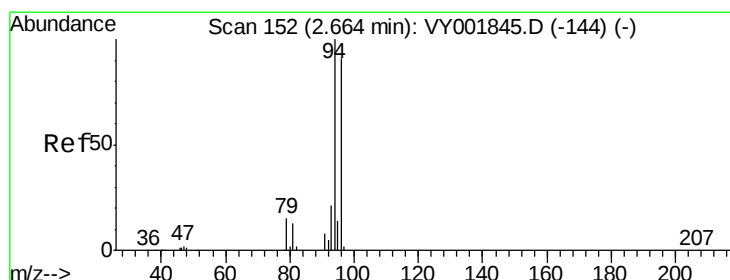
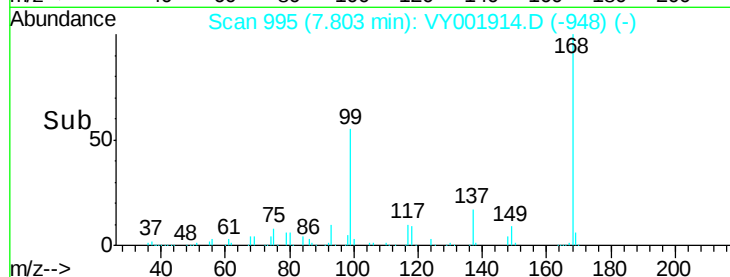
40000

20000

0

7.70 7.80 7.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.62 min Scan# 145

Delta R.T. -0.04 min

Lab File: VY001914.D

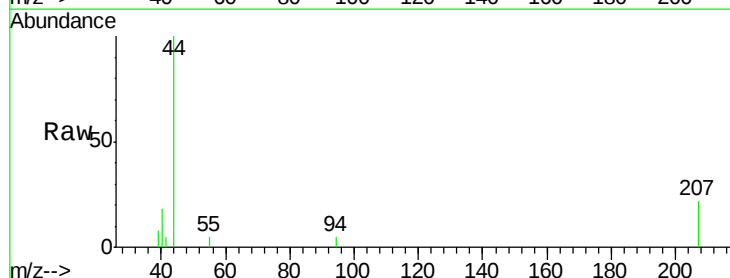
Acq: 09 Mar 2020 17:31

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

2.62

60

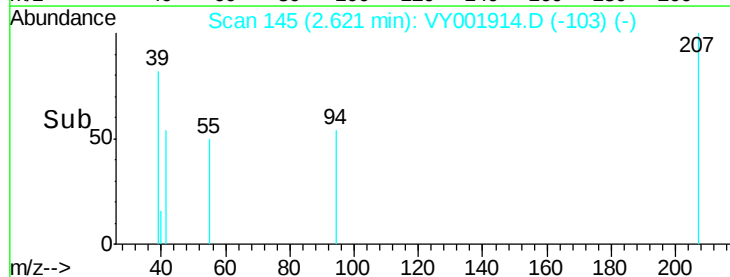
40

20

0

2.60 2.61 2.62 2.63 2.64

Time-->



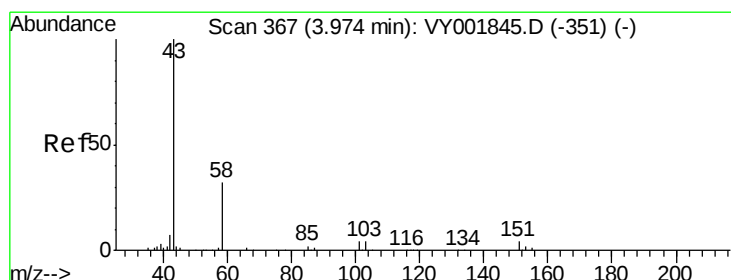
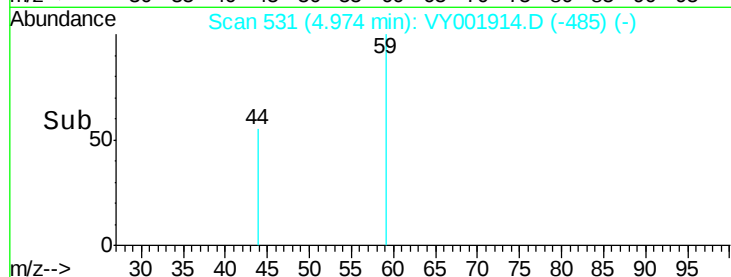
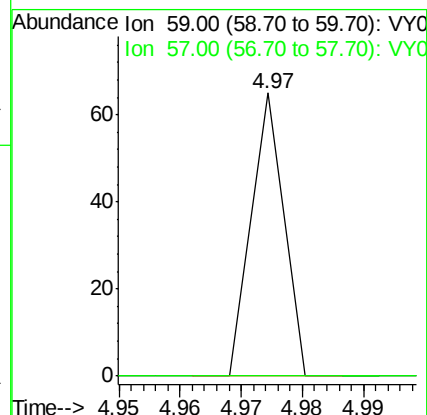
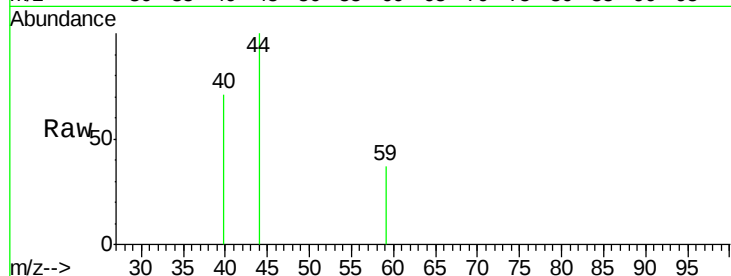


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001914.D
 Acq: 09 Mar 2020 17:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-D2

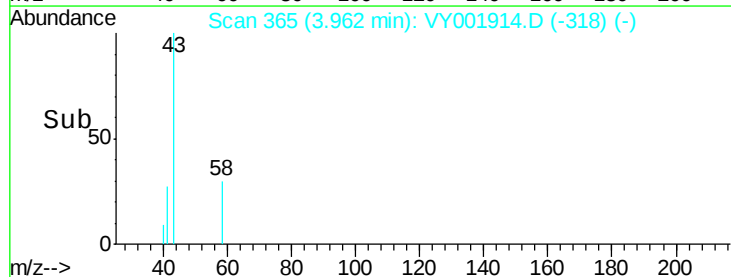
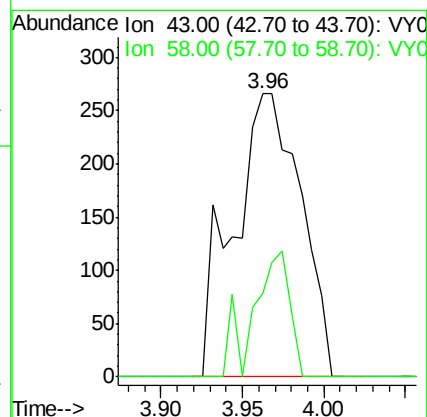
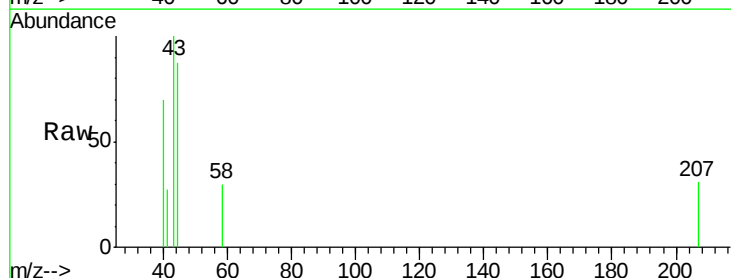
Tgt Ion: 59 Resp: 24
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

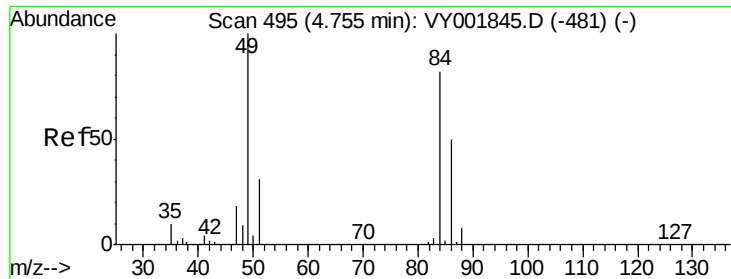


#16

Acetone
 Concen: 1.76 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VY001914.D
 Acq: 09 Mar 2020 17:31

Tgt Ion: 43 Resp: 768
 Ion Ratio Lower Upper
 43 100
 58 29.7 25.9 38.9

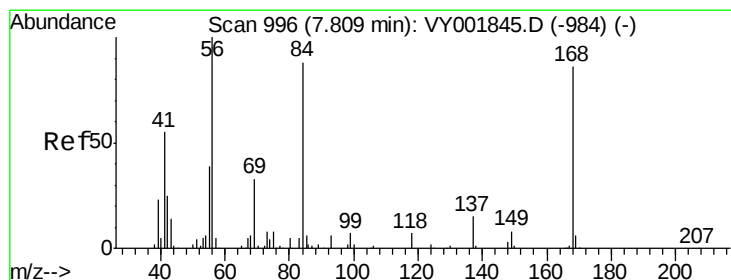
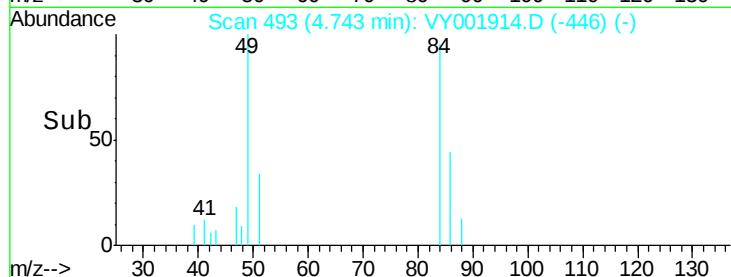
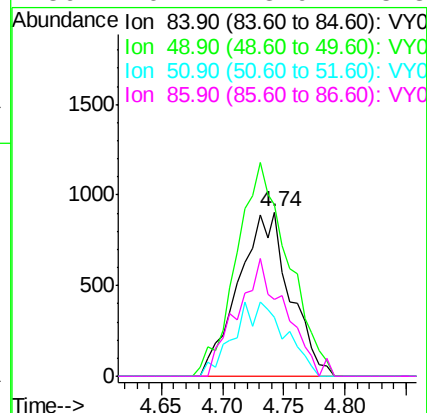
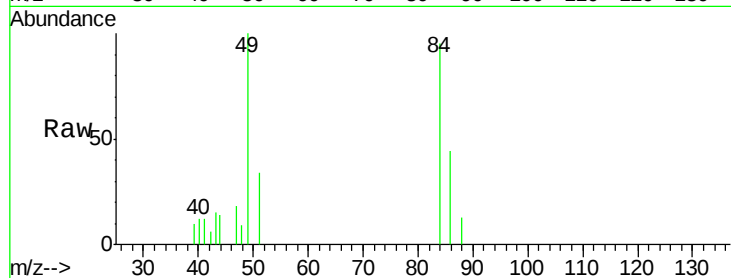




#20
Methylene Chloride
Concen: 1.41 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001914.D
Acq: 09 Mar 2020 17:31

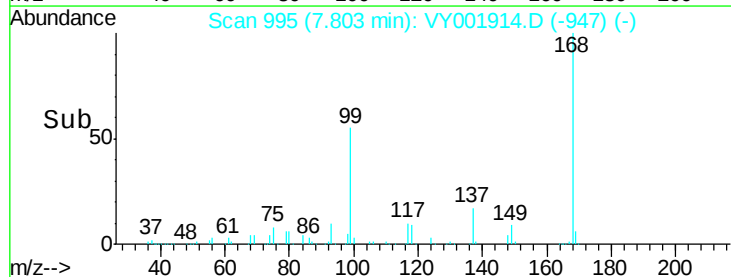
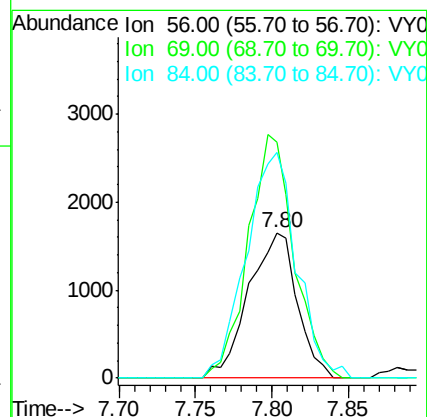
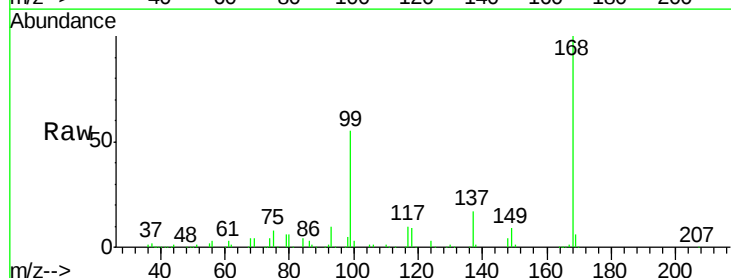
Instrument :
MSVOA_Y
ClientSampled :
TP-3-D2

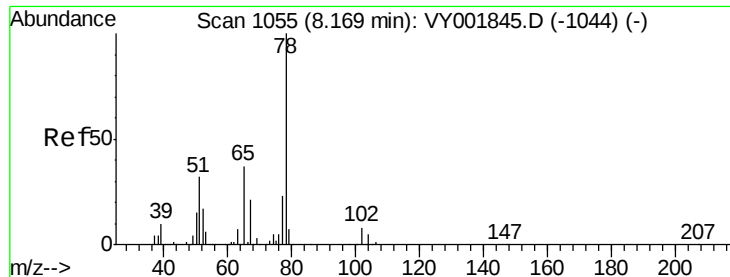
Tgt Ion: 84 Resp: 2647
Ion Ratio Lower Upper
84 100
49 104.7 98.2 147.2
51 35.7 30.2 45.2
86 46.4 48.9 73.3#



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001914.D
Acq: 09 Mar 2020 17:31

Tgt Ion: 56 Resp: 3658
Ion Ratio Lower Upper
56 100
69 161.8 26.7 40.1#
84 155.0 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 57.42 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

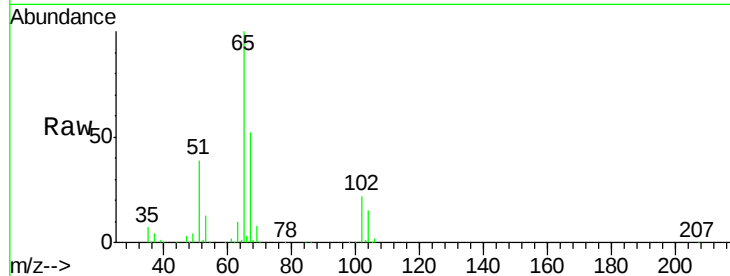
TP-3-D2

Tgt Ion: 65 Resp: 86226

Ion Ratio Lower Upper

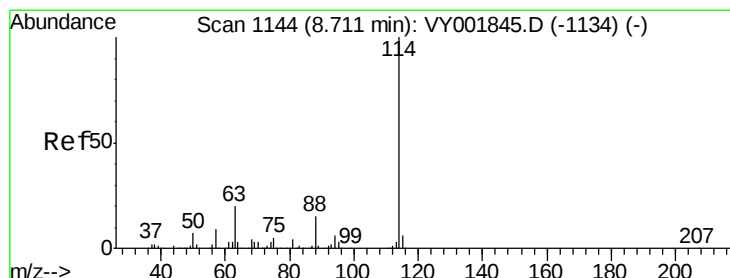
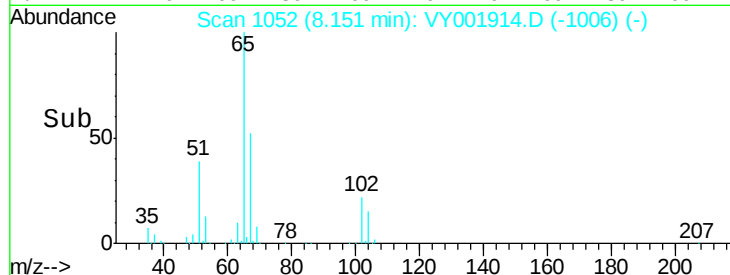
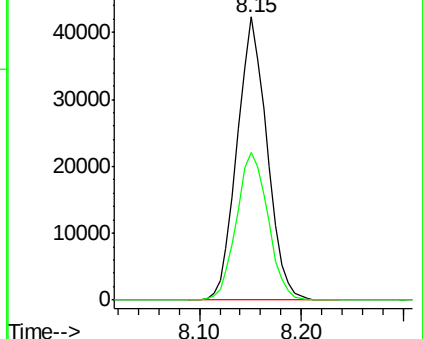
65 100

67 54.9 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

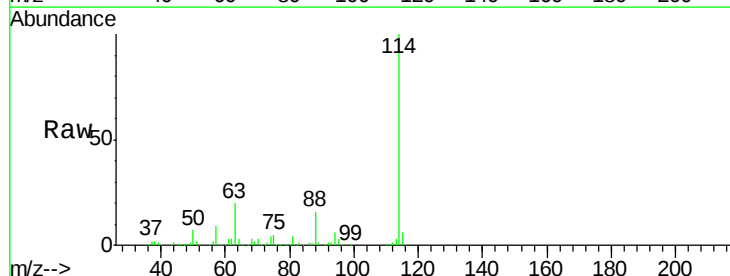
Tgt Ion: 114 Resp: 271861

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

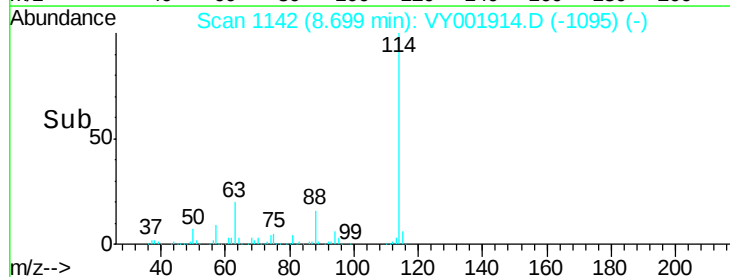
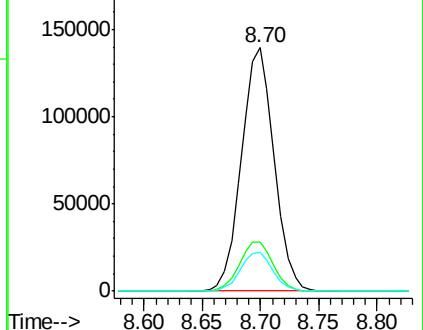
88 15.9 0.0 30.4

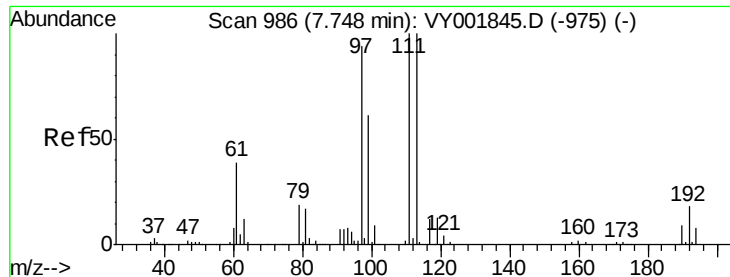


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 53.65 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-D2

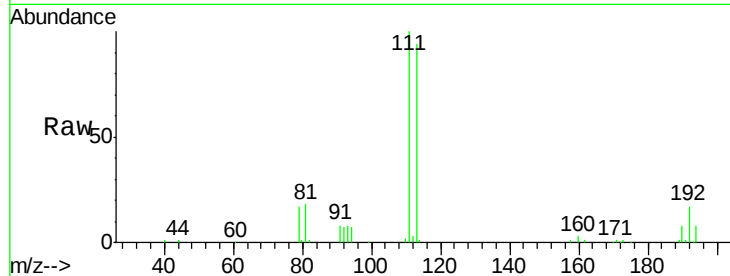
Tgt Ion:113 Resp: 79638

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

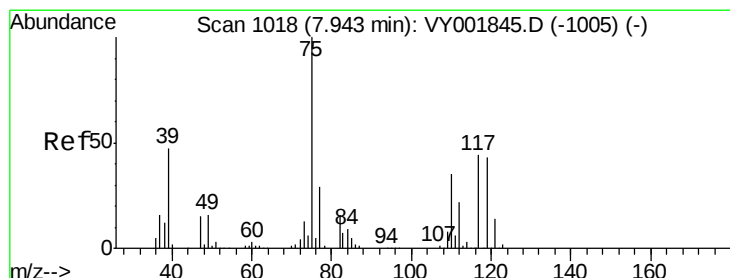
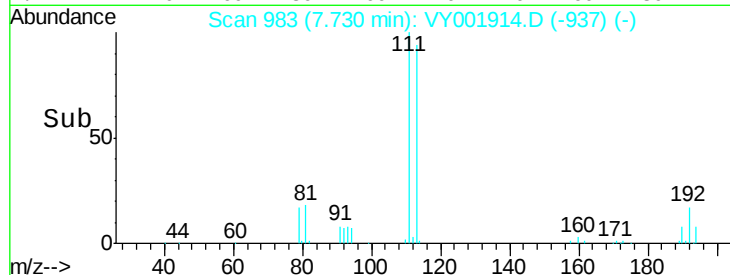
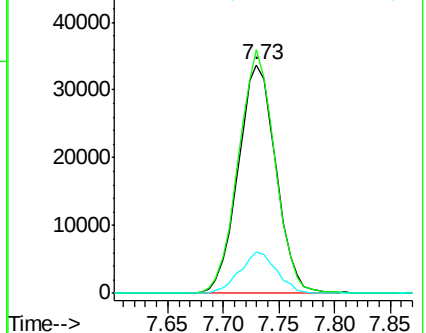
192 17.8 14.2 21.2



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: 4.67 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.15 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

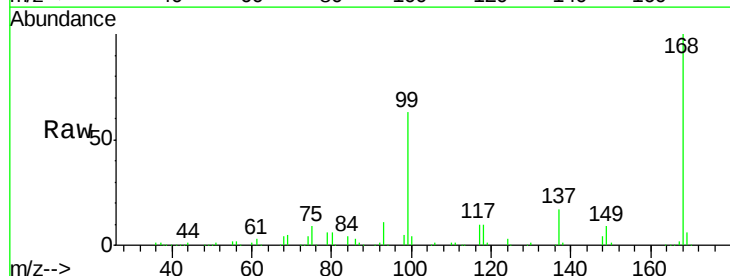
Tgt Ion: 75 Resp: 12208

Ion Ratio Lower Upper

75 100

110 7.7 17.4 52.2#

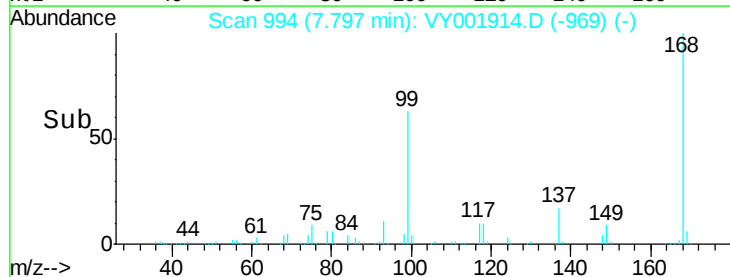
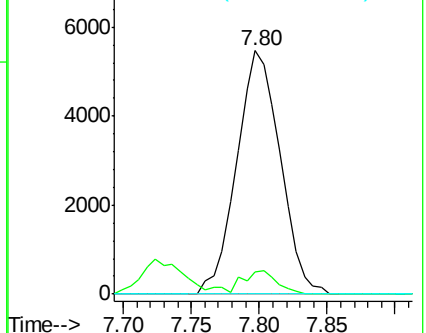
77 0.0 24.2 36.2#

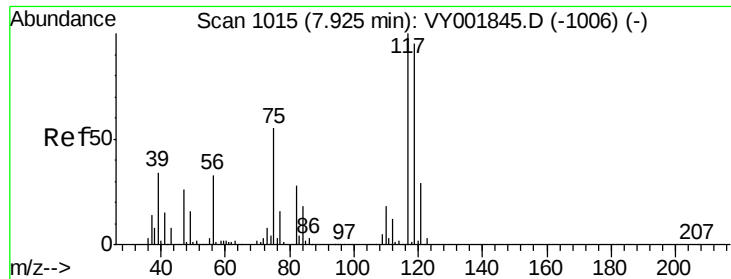


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

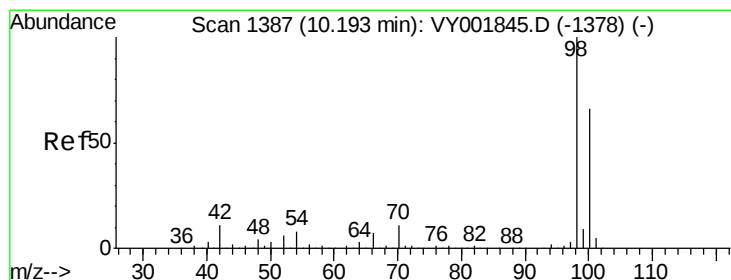
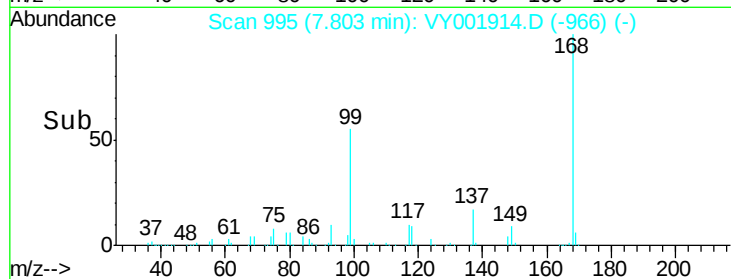
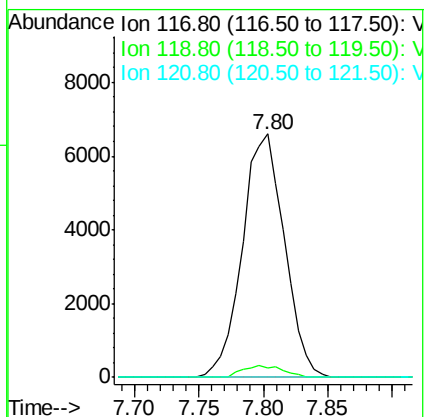
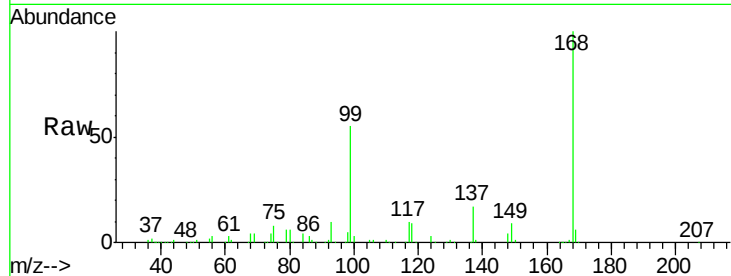




#38
Carbon Tetrachloride
Concen: 6.67 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY001914.D
Acq: 09 Mar 2020 17:31

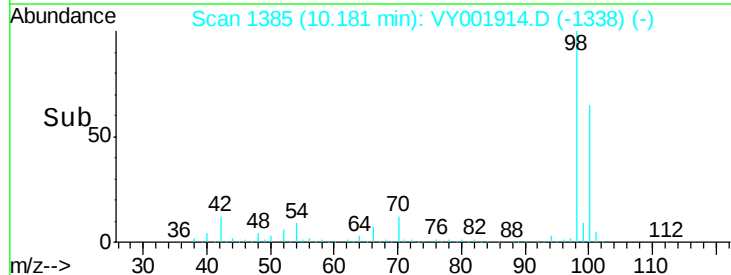
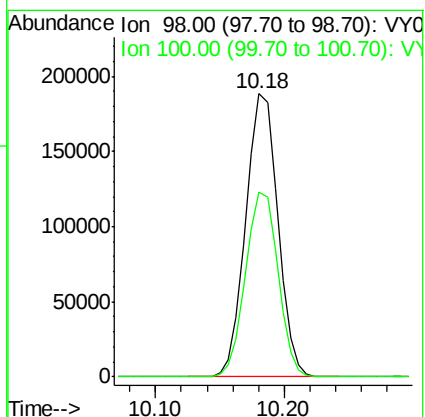
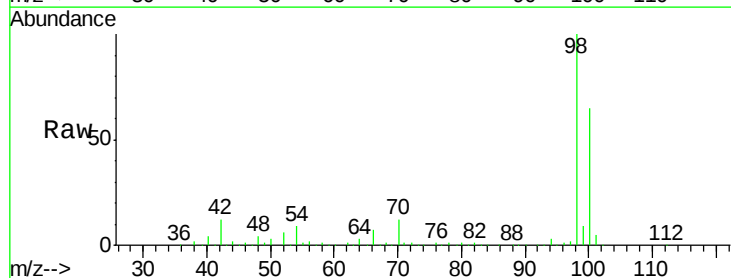
Instrument :
MSVOA_Y
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TP-3-D2

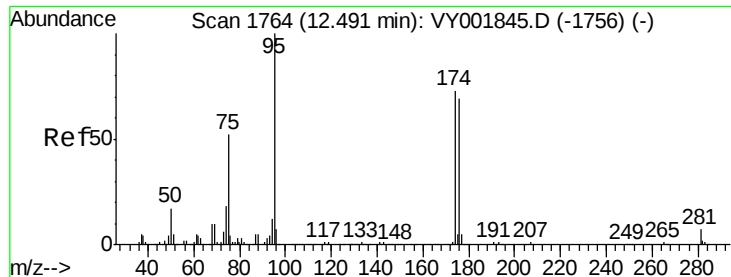
Tgt Ion:117 Resp: 14904
Ion Ratio Lower Upper
117 100
119 4.0 76.3 114.5#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 51.88 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY001914.D
Acq: 09 Mar 2020 17:31

Tgt Ion: 98 Resp: 324783
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

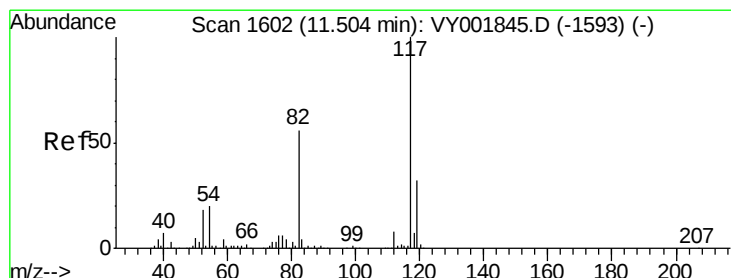
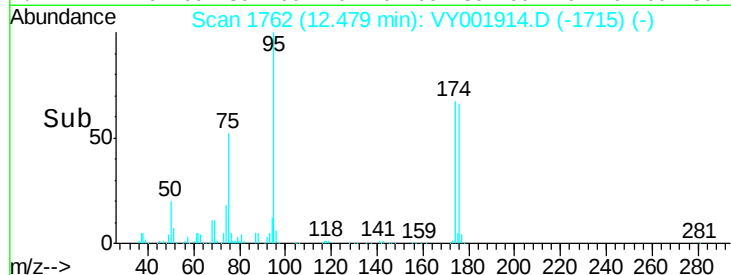
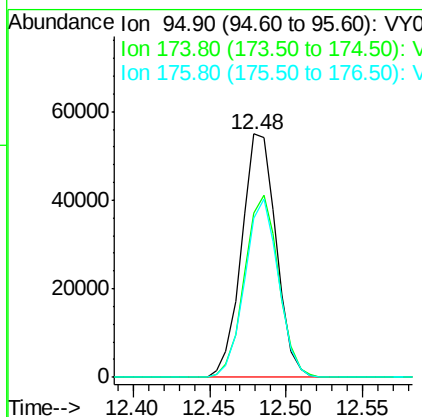
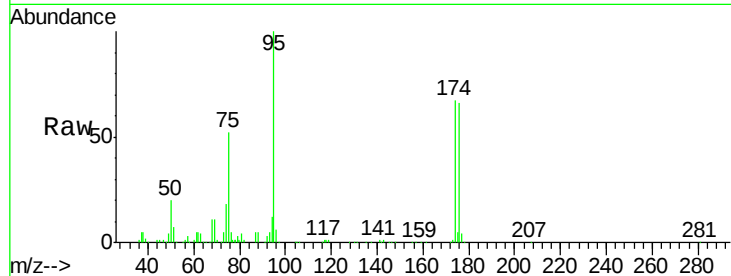




#62
4-Bromofluorobenzene
Concen: 39.62 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY001914.D
Acq: 09 Mar 2020 17:31

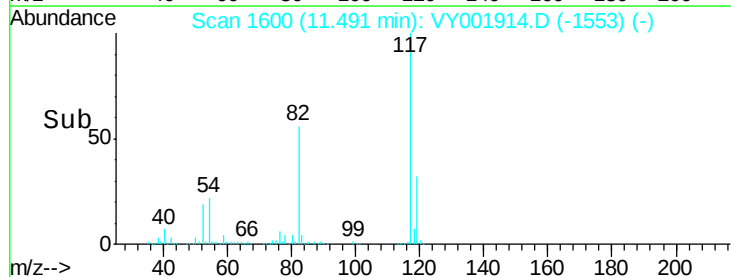
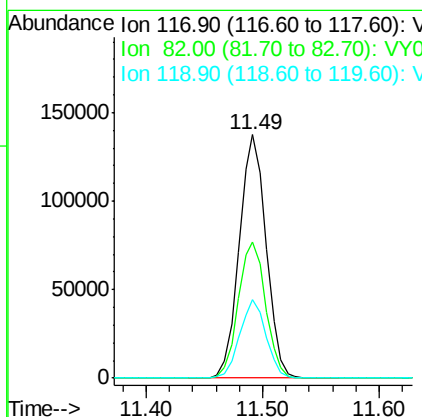
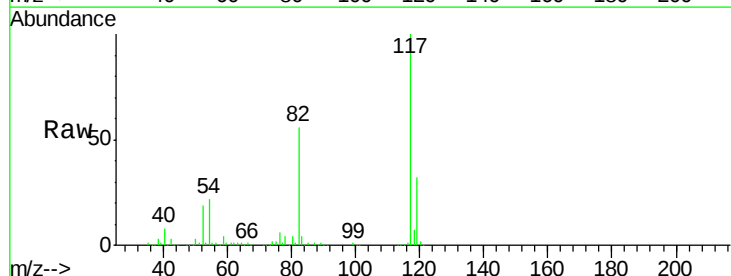
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-D2

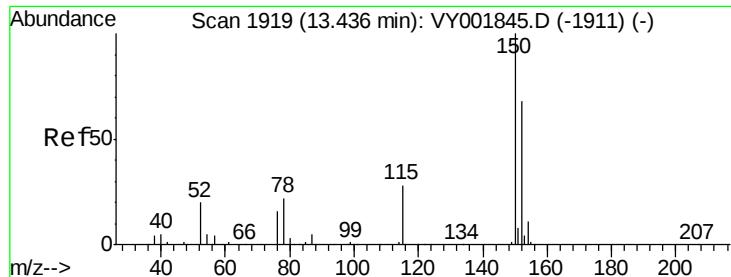
Tgt Ion: 95 Resp: 86233
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.0
176 71.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001914.D
Acq: 09 Mar 2020 17:31

Tgt Ion: 117 Resp: 221429
Ion Ratio Lower Upper
117 100
82 56.1 44.5 66.7
119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-D2

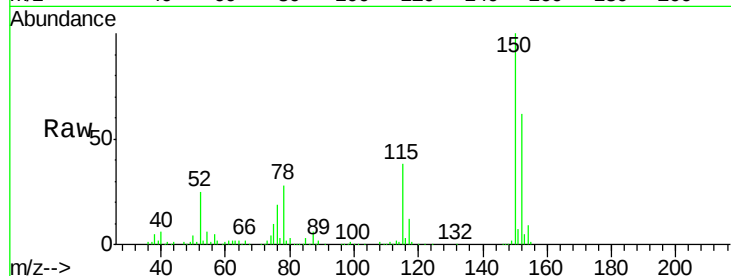
Tgt Ion:152 Resp: 73022

Ion Ratio Lower Upper

152 100

115 61.7 29.9 89.7

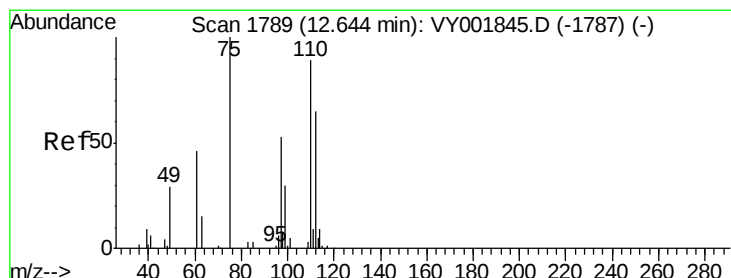
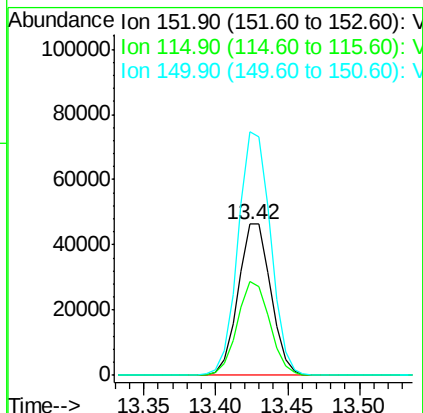
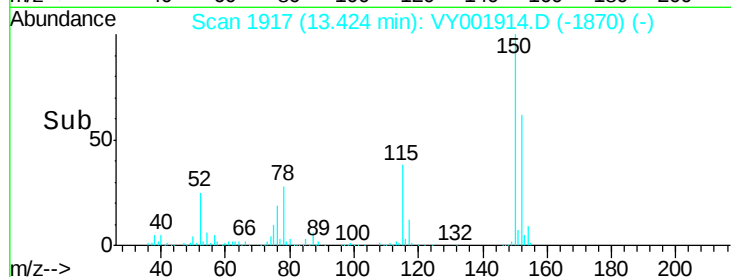
150 160.3 0.0 340.6



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: 52.49 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001914.D

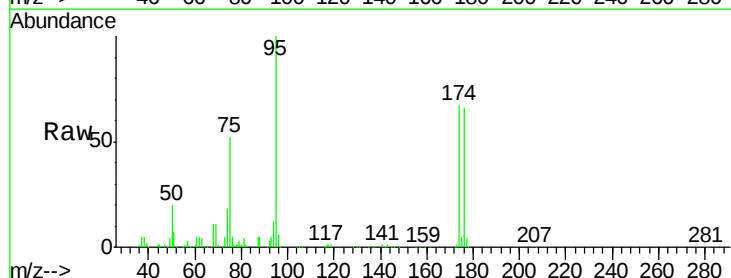
Acq: 09 Mar 2020 17:31

Tgt Ion: 75 Resp: 45477

Ion Ratio Lower Upper

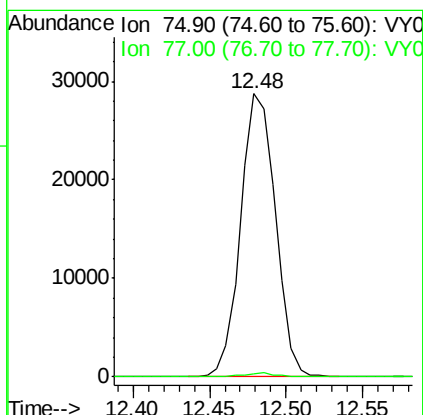
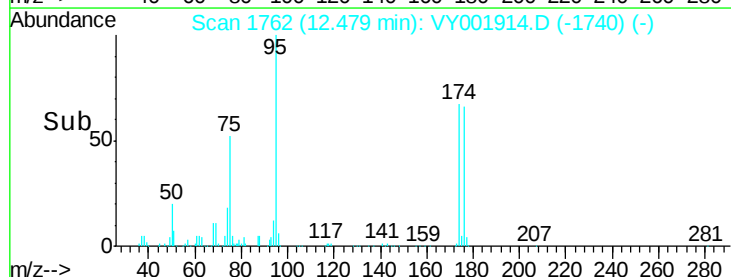
75 100

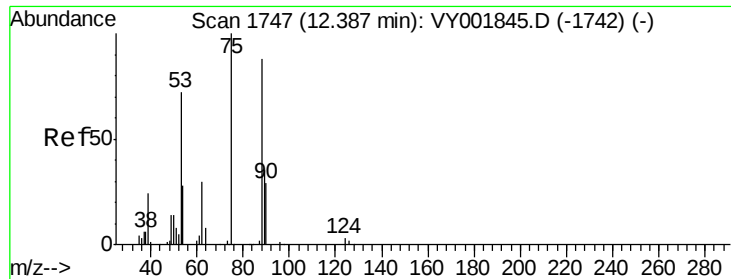
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 106.02 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-D2

Tgt Ion: 75 Resp: 45477

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

