

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
 Data File : VY001911.D
 Acq On : 09 Mar 2020 16:24
 Operator : SY/MD
 Sample : L1852-06
 Misc : 5.49G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-S2

Quant Time: Mar 10 11:54:41 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	148921	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	287337	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	240447	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	85871	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	91960	57.84	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	115.68%	
35) Dibromofluoromethane	7.73	113	83728	53.36	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	10.18	98	342304	51.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.48	95	100078	43.50	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.00%	

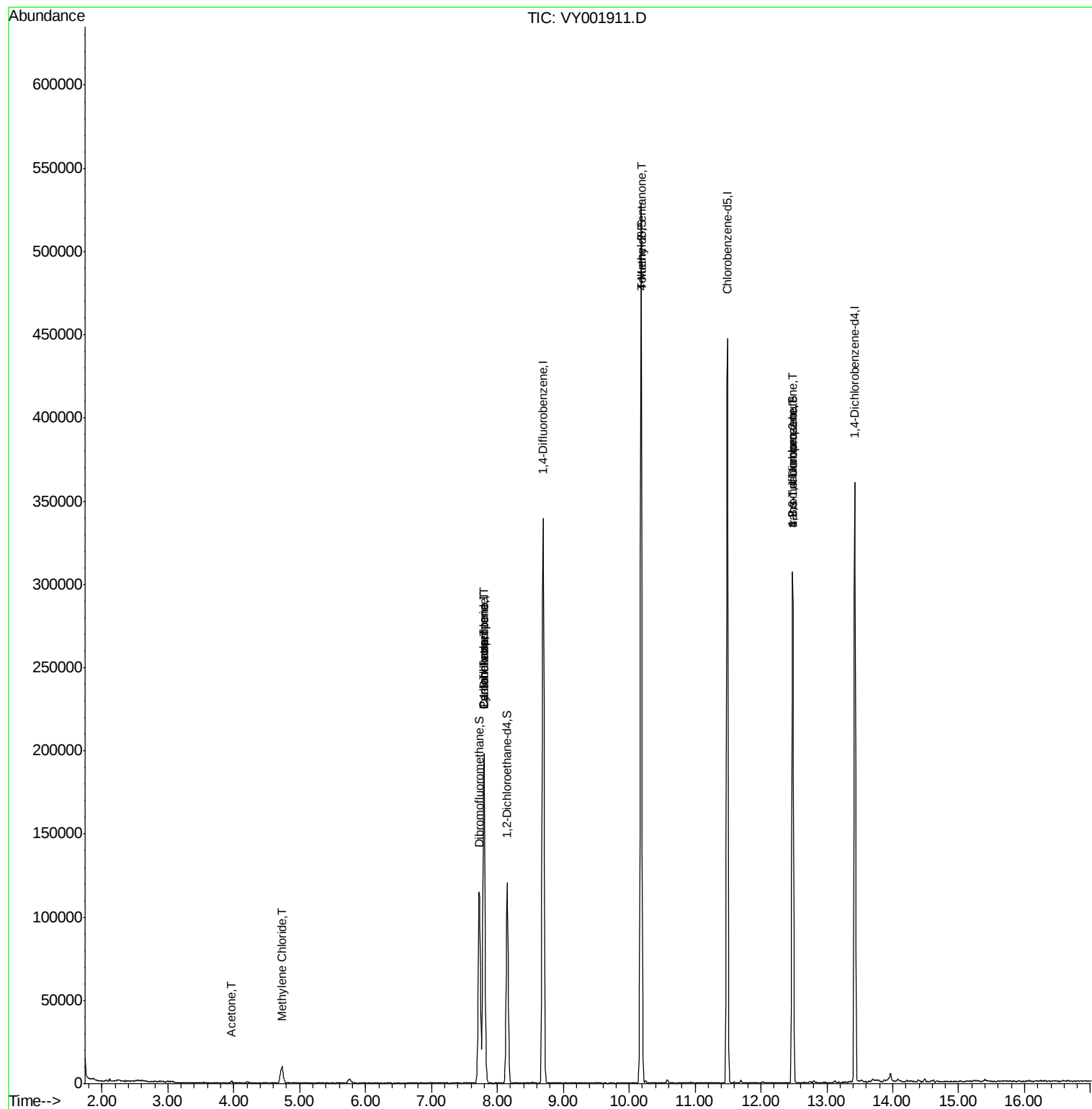
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	66	Below Cal	#	4
16) Acetone	3.96	43	1975	4.27	ug/l	98
20) Methylene Chloride	4.73	84	7673	3.87	ug/l	97
31) Cyclohexane	7.80	56	3499	1.00	ug/l	# 8
36) 1,1-Dichloropropene	7.80	75	12560	4.54	ug/l	# 50
38) Carbon Tetrachloride	7.80	117	15247	6.45	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.17	43	1601	1.02	ug/l	# 1
76) 1,2,3-Trichloropropane	12.48	75	51232	50.28	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	51232	101.56	ug/l	# 17

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

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Quant Time: Mar 10 11:54:41 2020
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

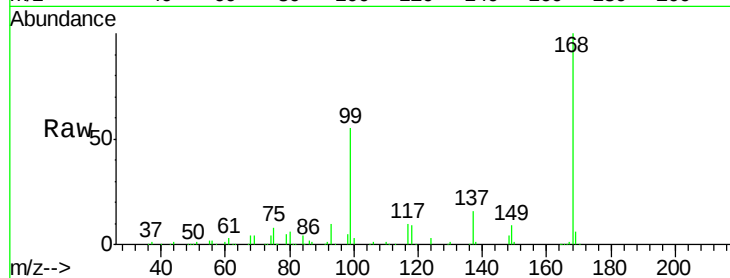
TP-2-S2

Tgt Ion: 168 Resp: 148921

Ion Ratio Lower Upper

168 100

99 54.9 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

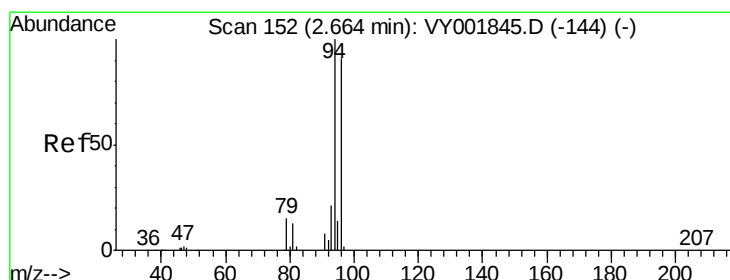
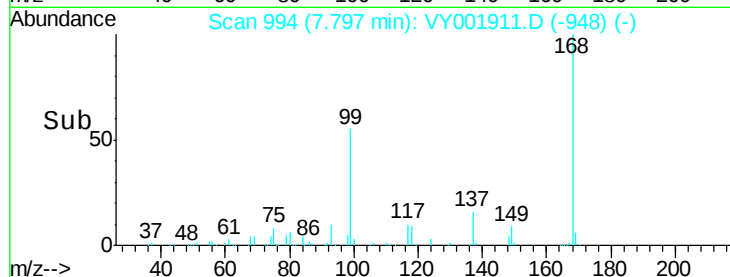
40000

20000

0

7.70 7.80 7.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001911.D

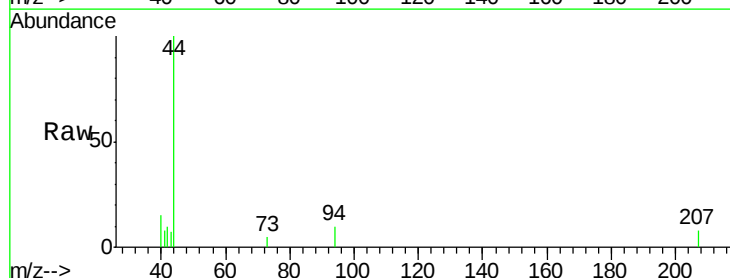
Acq: 09 Mar 2020 16:24

Tgt Ion: 94 Resp: 66

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) (-)

2.66

120

100

80

60

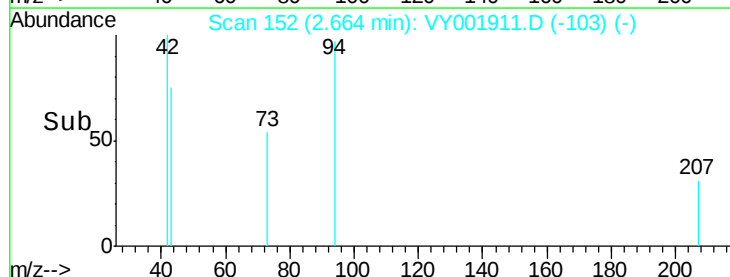
40

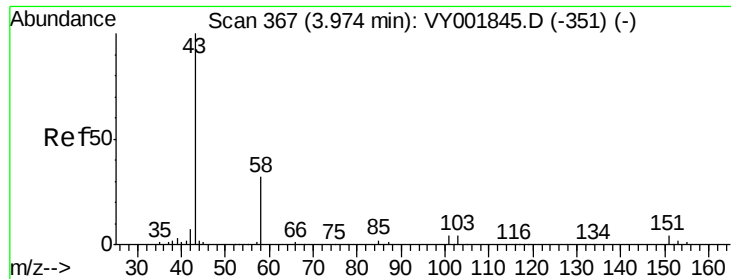
20

0

2.64 2.66 2.68

Time-->





#16

Acetone

Concen: 4.27 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

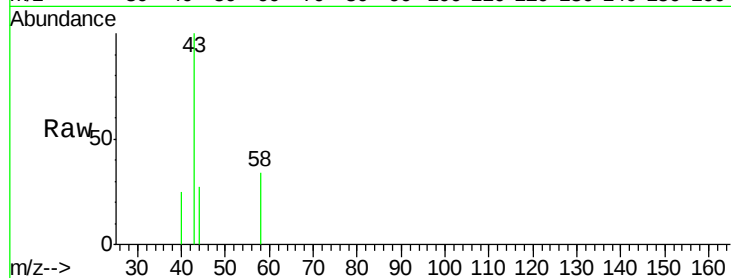
TP-2-S2

Tgt Ion: 43 Resp: 1975

Ion Ratio Lower Upper

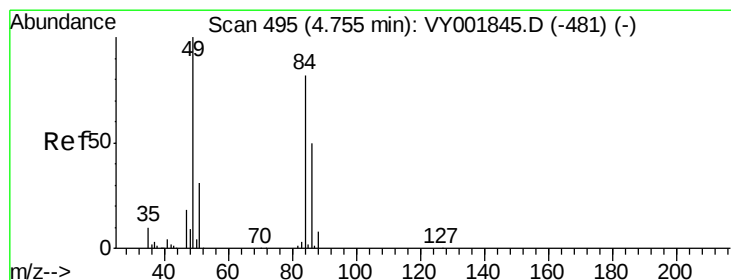
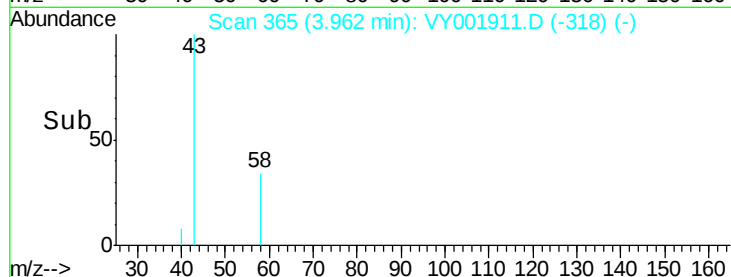
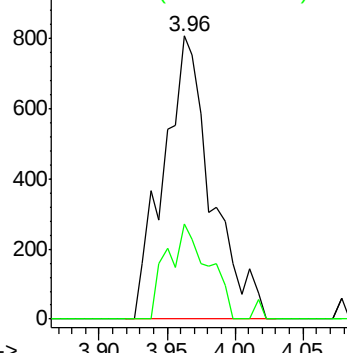
43 100

58 33.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.87 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.02 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

Tgt Ion: 84 Resp: 7673

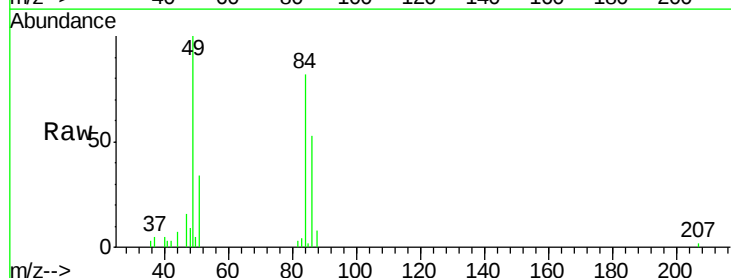
Ion Ratio Lower Upper

84 100

49 121.3 98.2 147.2

51 40.8 30.2 45.2

86 64.8 48.9 73.3

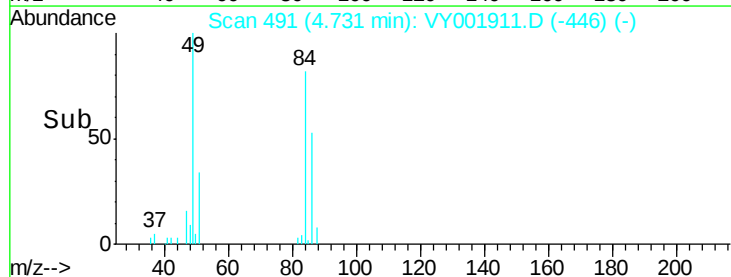
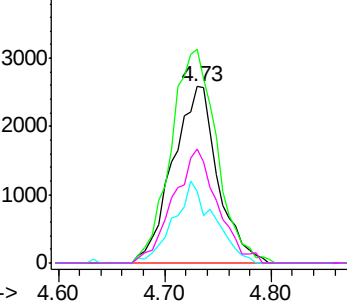


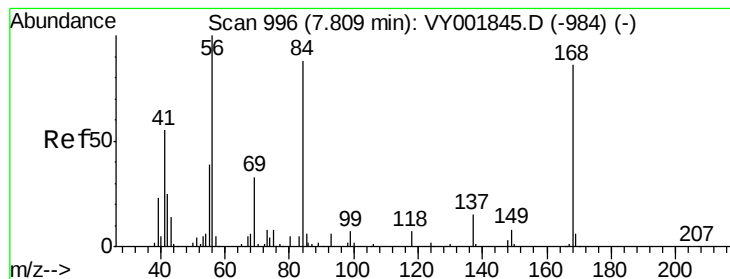
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

Instrument :

MSVOA_Y

ClientSampled :

TP-2-S2

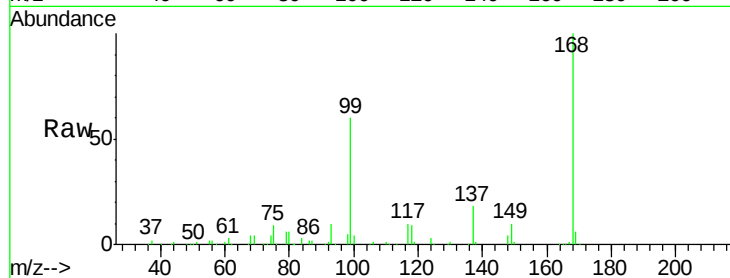
Tgt Ion: 56 Resp: 3499

Ion Ratio Lower Upper

56 100

69 147.4 26.7 40.1#

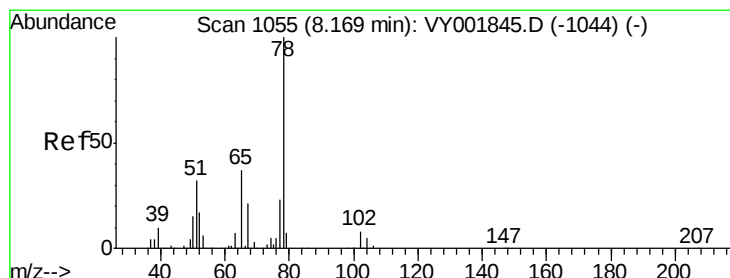
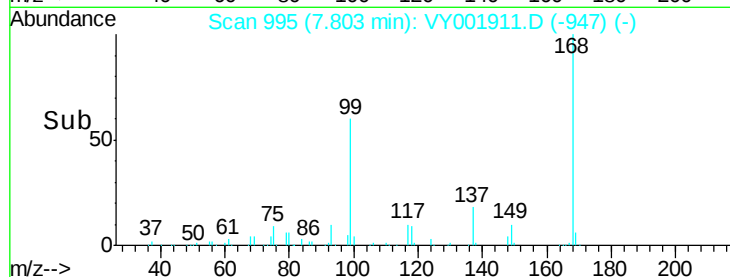
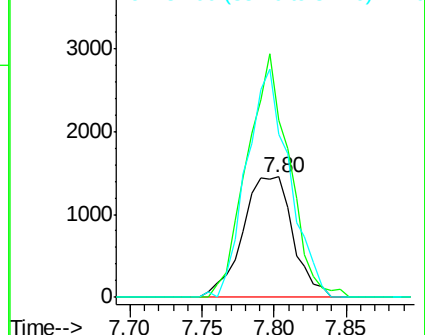
84 134.9 70.4 105.6#



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: 57.84 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001911.D

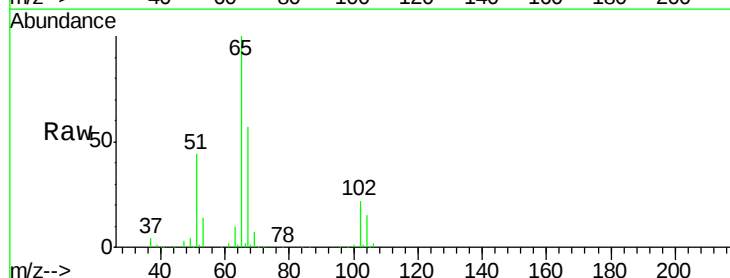
Acq: 09 Mar 2020 16:24

Tgt Ion: 65 Resp: 91960

Ion Ratio Lower Upper

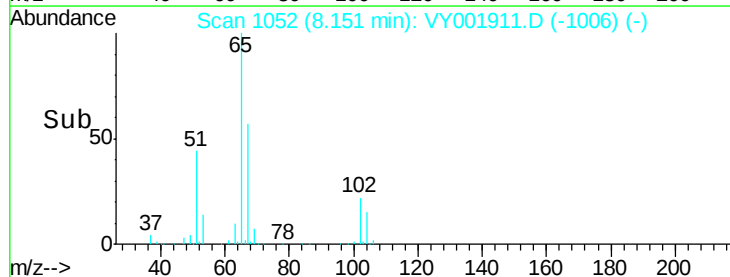
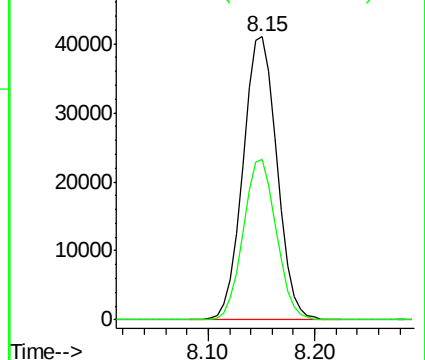
65 100

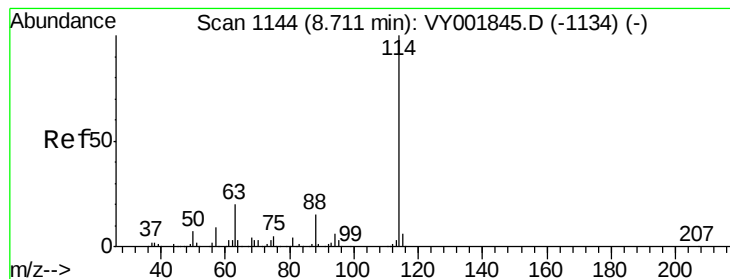
67 55.3 0.0 110.8



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: 8.69 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-S2

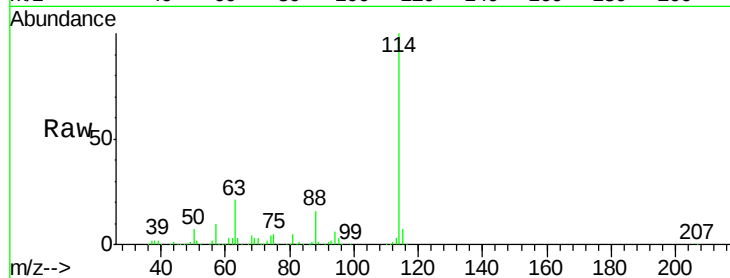
Tgt Ion:114 Resp: 287337

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.4

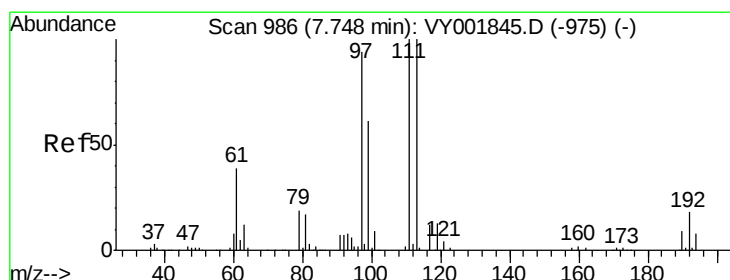
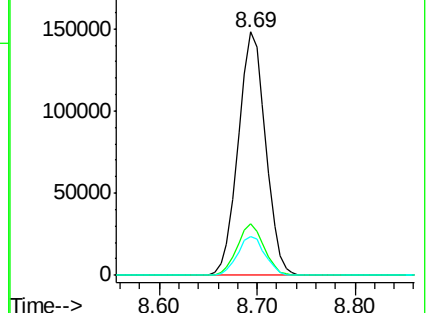
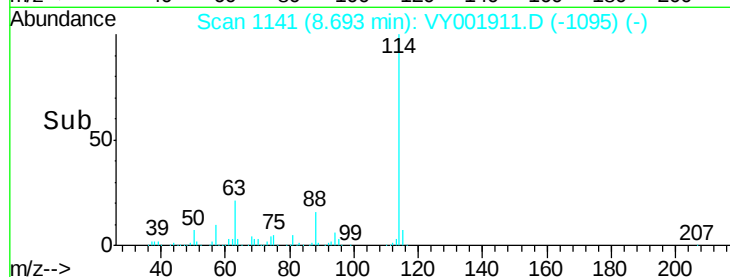
88 15.9 0.0 30.4



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: 53.36 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

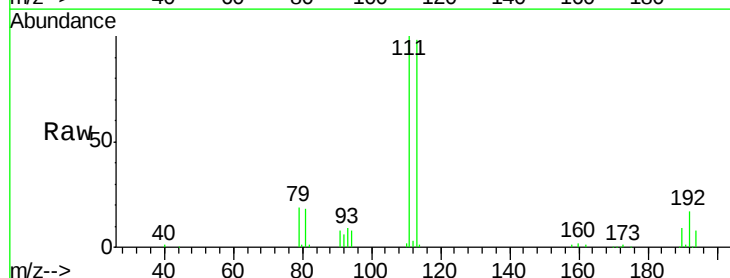
Tgt Ion:113 Resp: 83728

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

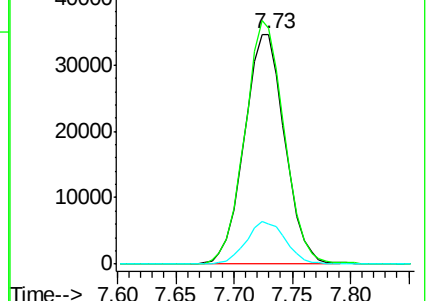
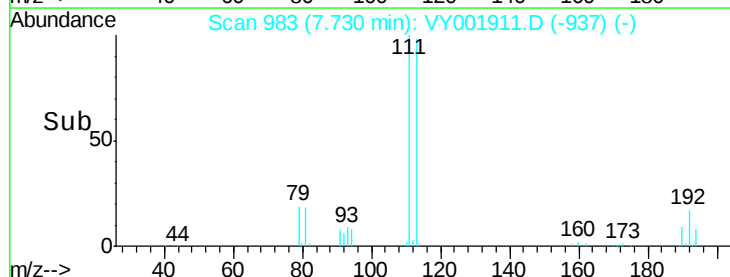
192 18.2 14.2 21.2

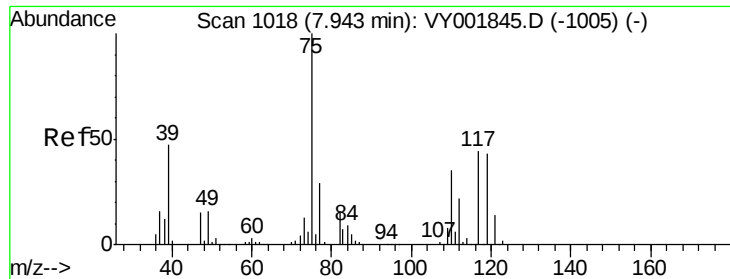


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

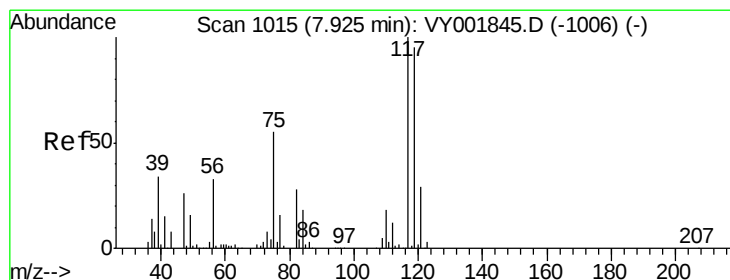
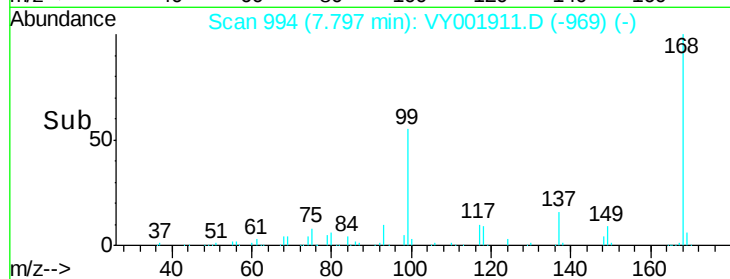
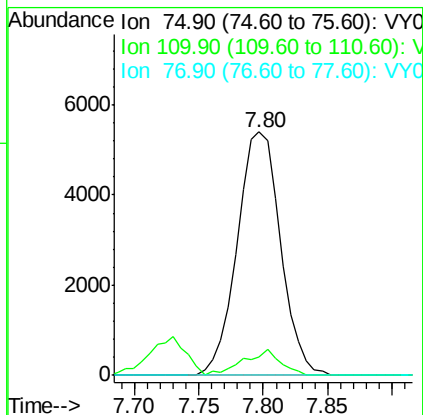
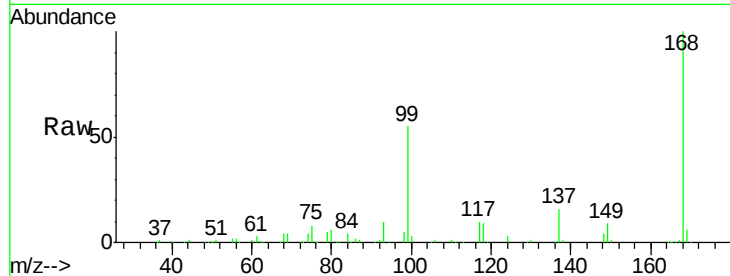




#36
 1,1-Dichloropropene
 Concen: 4.54 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.15 min
 Lab File: VY001911.D
 Acq: 09 Mar 2020 16:24

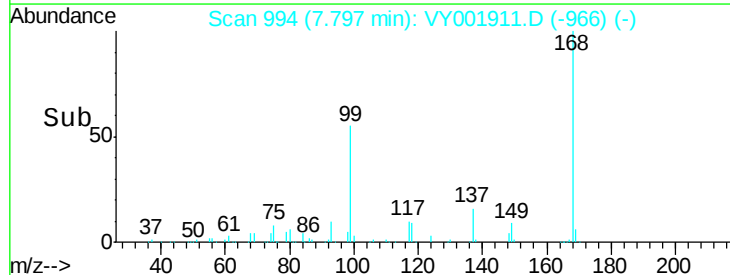
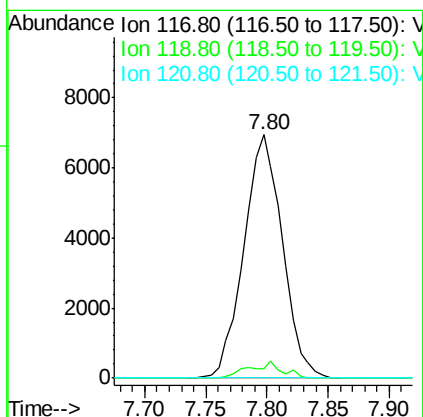
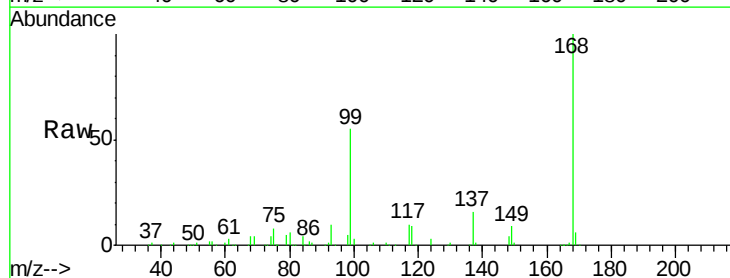
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-2-S2

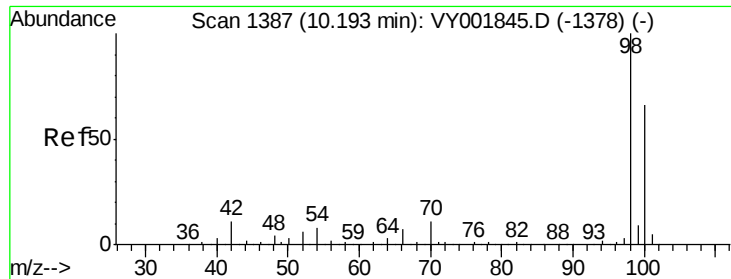
Tgt Ion: 75 Resp: 12560
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.45 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001911.D
 Acq: 09 Mar 2020 16:24

Tgt Ion: 117 Resp: 15247
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.74 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

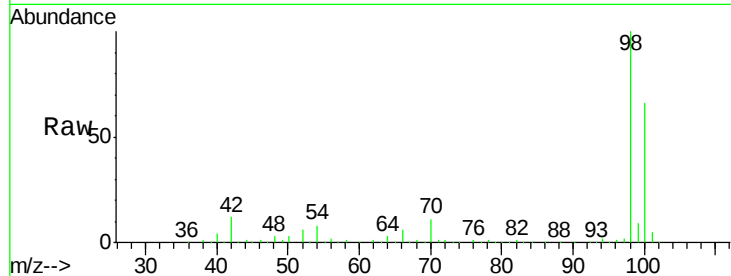
TP-2-S2

Tgt Ion: 98 Resp: 342304

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001911.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001911.D (-1378) (-)

10.18

200000

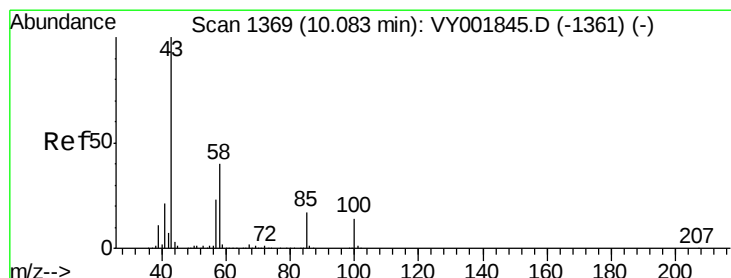
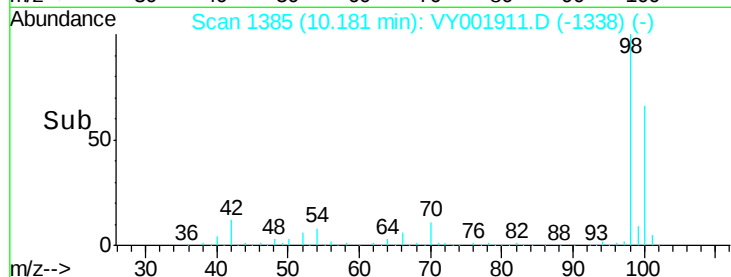
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.02 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.09 min

Lab File: VY001911.D

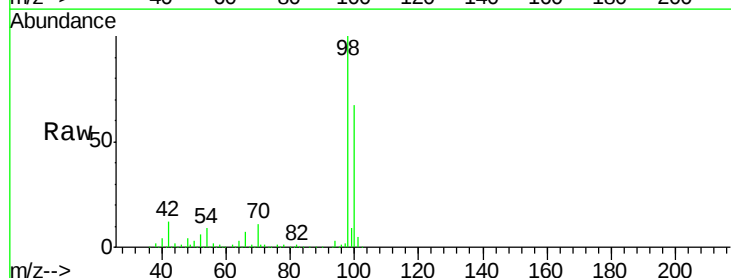
Acq: 09 Mar 2020 16:24

Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

58 189.9 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001911.D (-1320) (-)

Ion 58.00 (57.70 to 58.70): VY001911.D (-1320) (-)

2000

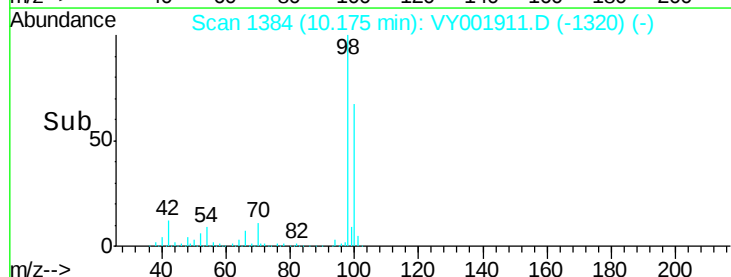
1500

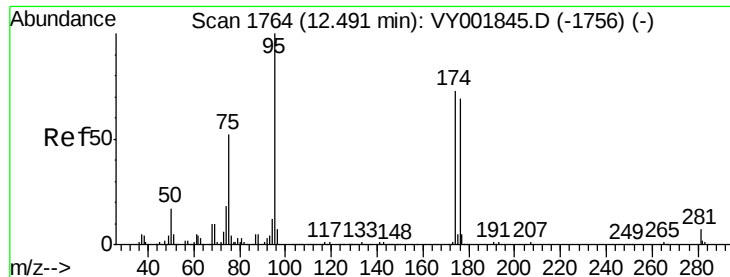
1000

500

0

Time-->

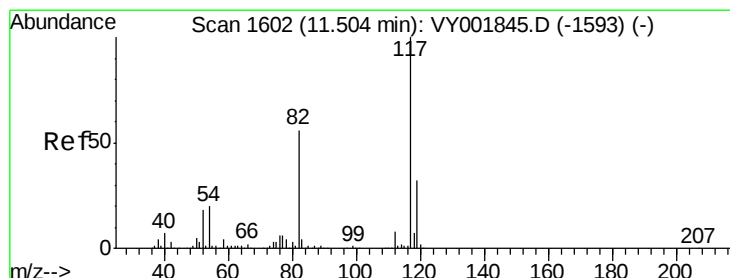
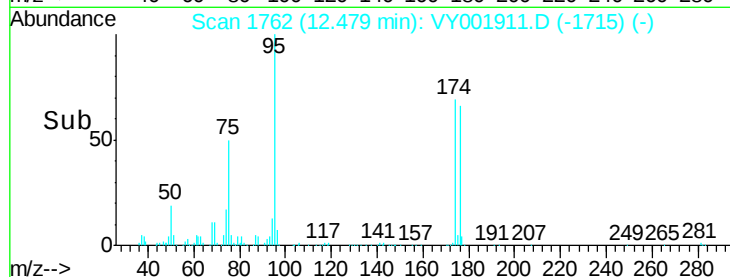
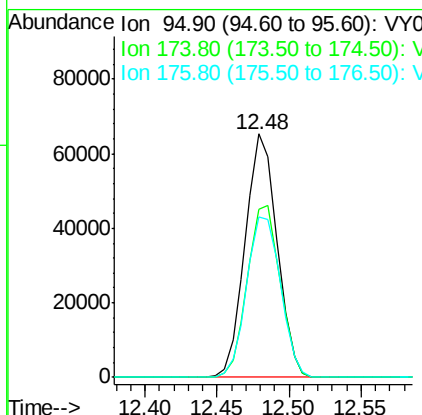
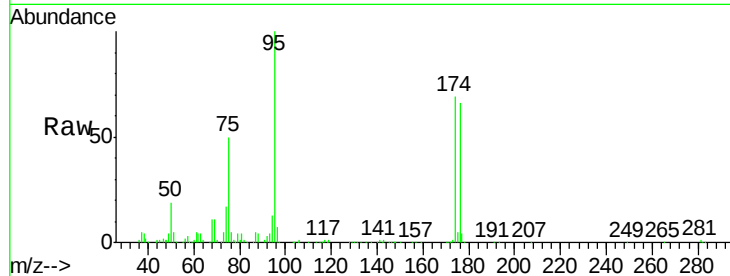




#62
4-Bromofluorobenzene
Concen: 43.50 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY001911.D
Acq: 09 Mar 2020 16:24

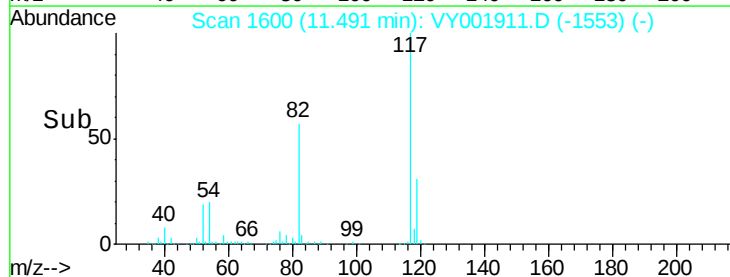
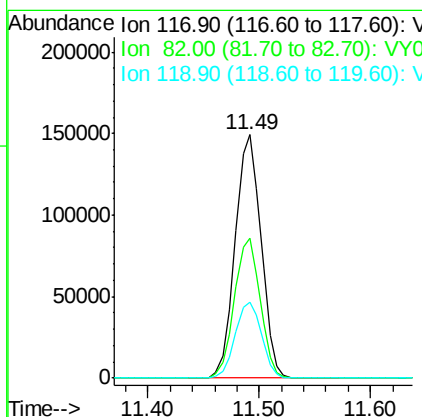
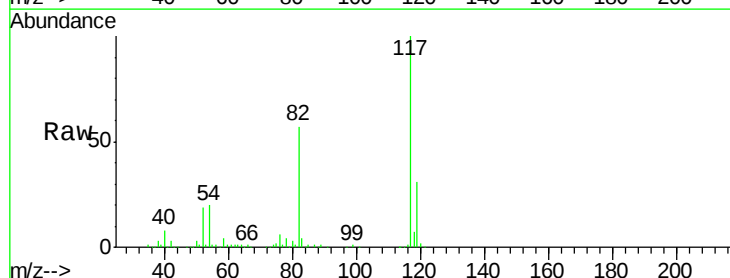
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-S2

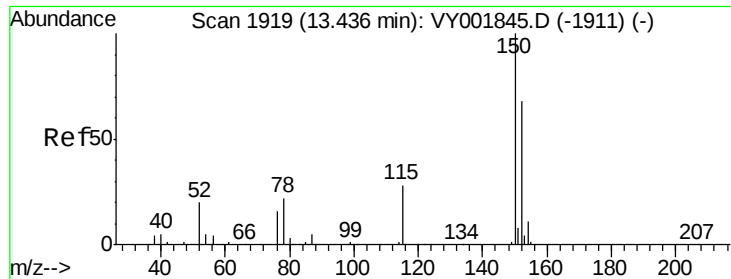
Tgt Ion: 95 Resp: 100078
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.0
176 70.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001911.D
Acq: 09 Mar 2020 16:24

Tgt Ion: 117 Resp: 240447
Ion Ratio Lower Upper
117 100
82 57.2 44.5 66.7
119 31.1 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: VY001911.D

Acq: 09 Mar 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-S2

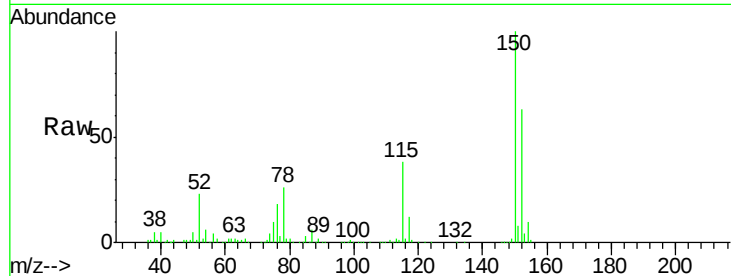
Tgt Ion:152 Resp: 85871

Ion Ratio Lower Upper

152 100

115 61.9 29.9 89.7

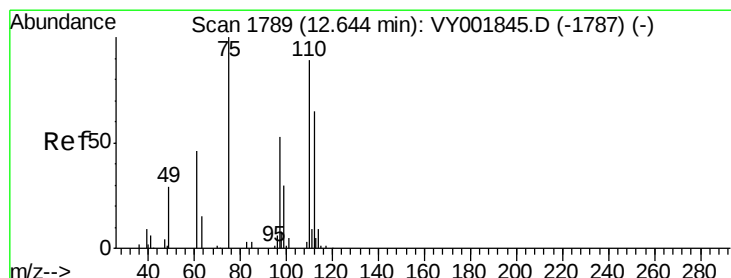
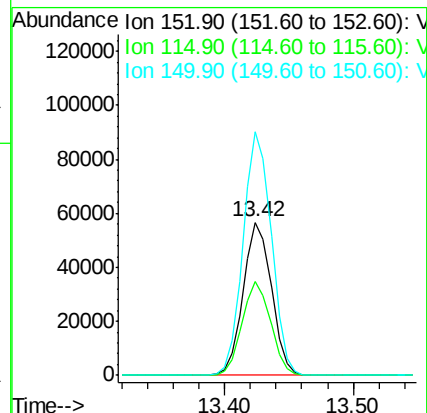
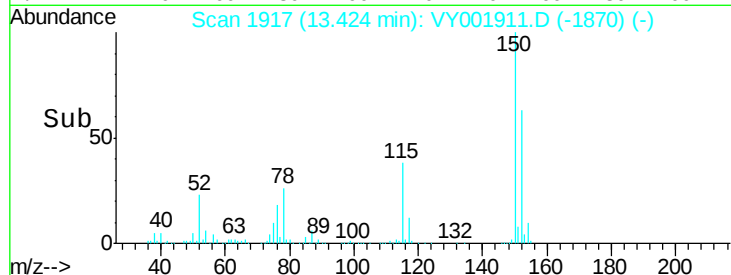
150 159.2 0.0 340.6



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: 50.28 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001911.D

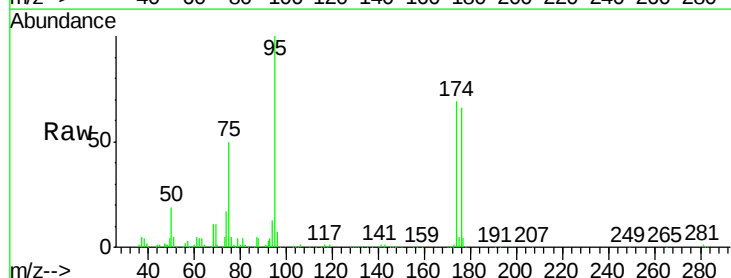
Acq: 09 Mar 2020 16:24

Tgt Ion: 75 Resp: 51232

Ion Ratio Lower Upper

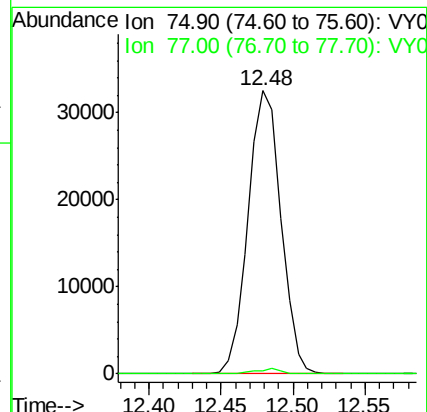
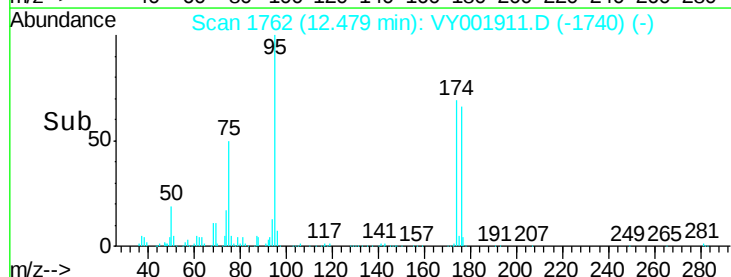
75 100

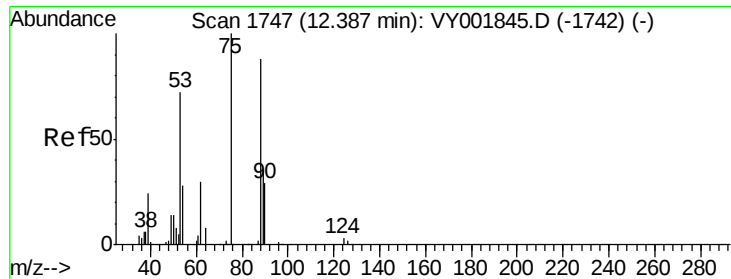
77 1.5 0.0 0.0#



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: 101.56 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001911.D

Acq: 09 Mar 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-S2

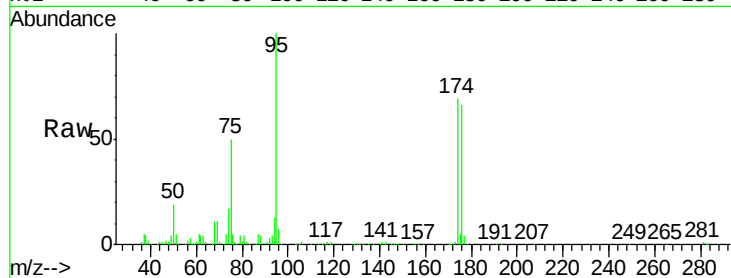
Tgt Ion: 75 Resp: 51232

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#



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

