

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001929.D
 Acq On : 10 Mar 2020 17:56
 Operator : SY/MD
 Sample : L1871-13
 Misc : 7.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 11 04:00:50 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	45941	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	77696	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	64649	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	26392	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	23562	48.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.08%	
35) Dibromofluoromethane	7.73	113	22165	52.24	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.48%	
50) Toluene-d8	10.19	98	92121	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.49	95	27025	43.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.88%	

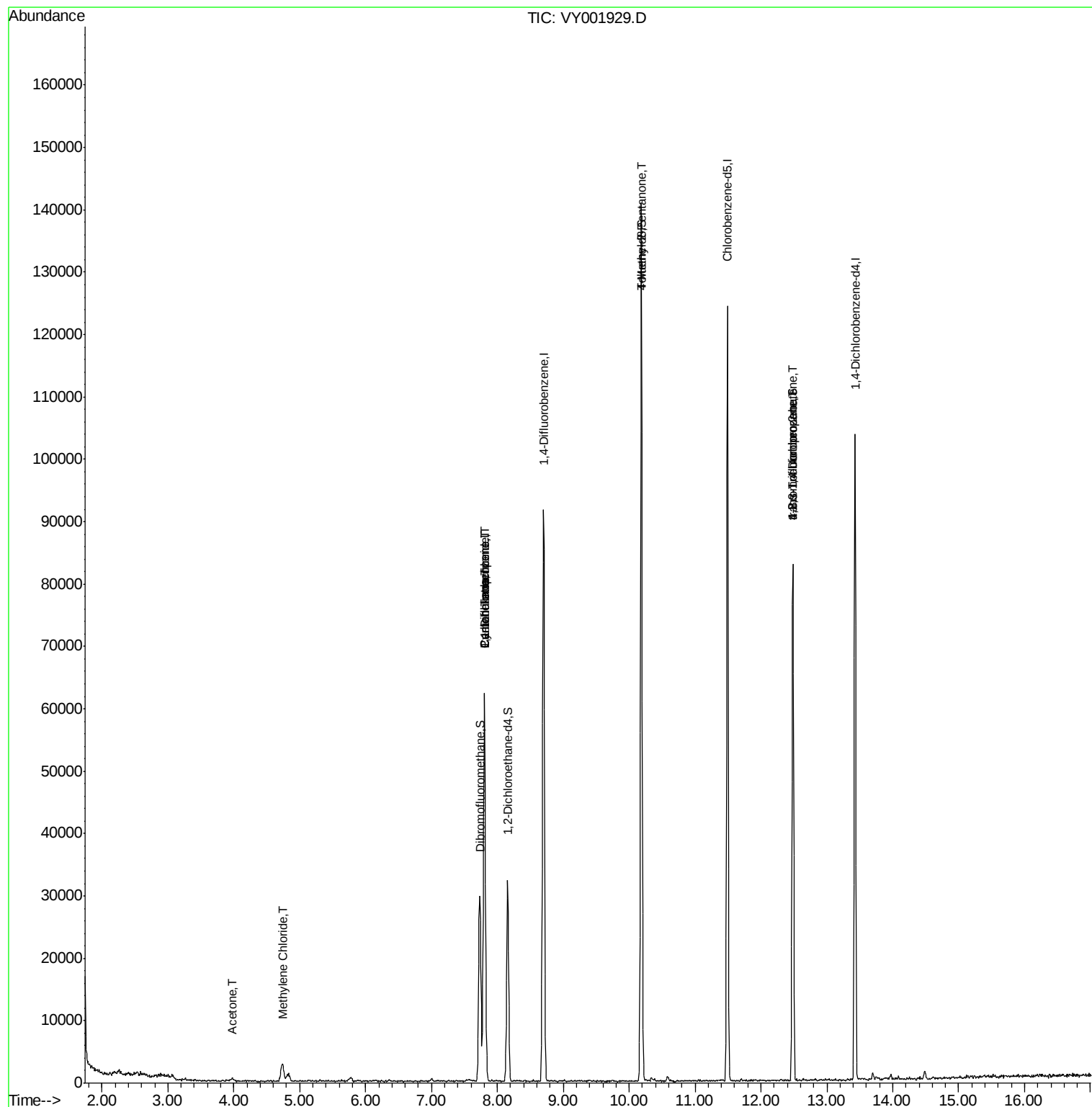
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.71	94	35	Below Cal	#	4
16) Acetone	3.97	43	810	5.670	ug/l #	69
20) Methylene Chloride	4.74	84	2167	3.540	ug/l #	86
31) Cyclohexane	7.80	56	1140	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	3911	5.231	ug/l #	50
38) Carbon Tetrachloride	7.81	117	4879	7.639	ug/l #	14
51) 4-Methyl-2-Pentanone	10.19	43	480	1.133	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	13632	43.531	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	13632	87.930	ug/l #	17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Instrument :

MSVOA_Y

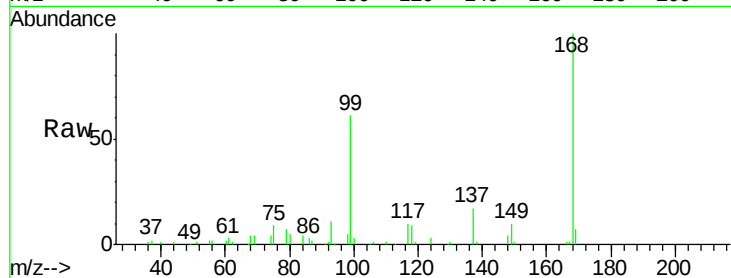
ClientSampleId :

Tot Ion:168 Resp: 45941

Ion Ratio Lower Upper

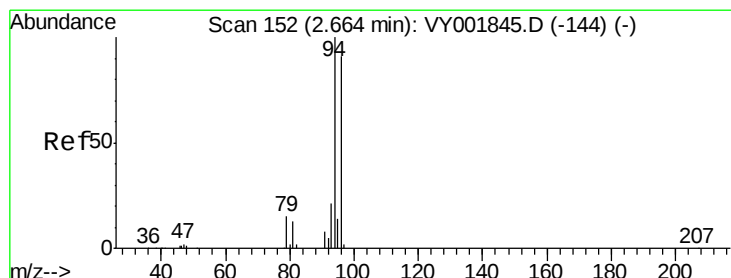
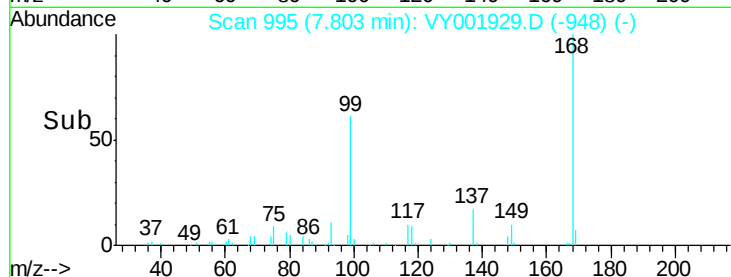
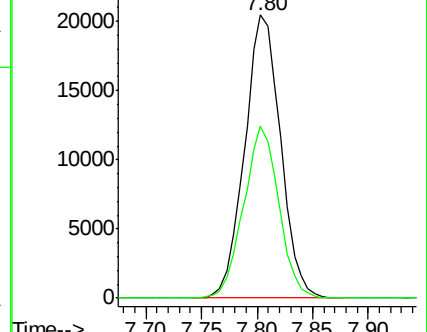
168 100

99 60.6 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) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.71 min Scan# 159

Delta R.T. 0.04 min

Lab File: VY001929.D

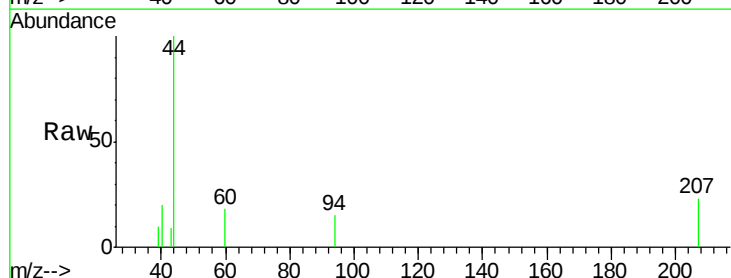
Acq: 10 Mar 2020 17:56

Tgt Ion: 94 Resp: 35

Ion Ratio Lower Upper

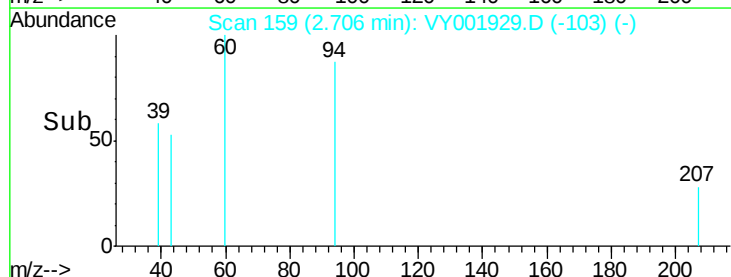
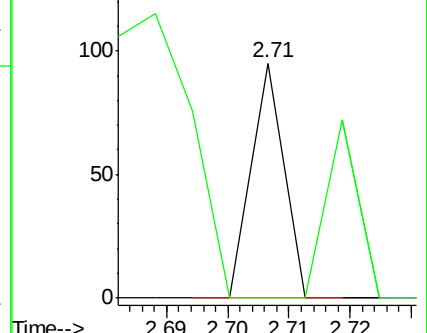
94 100

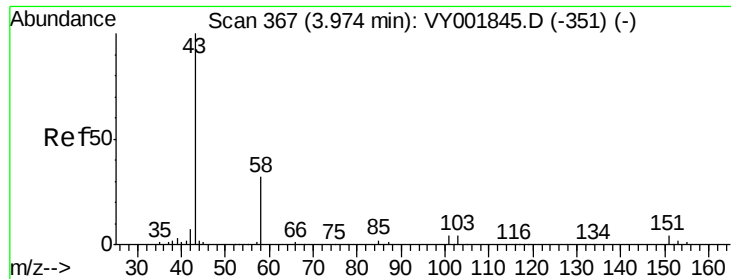
96 0.0 73.2 109.8#



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

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





#16

Acetone

Concen: 5.670 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Instrument :

MSVOA_Y

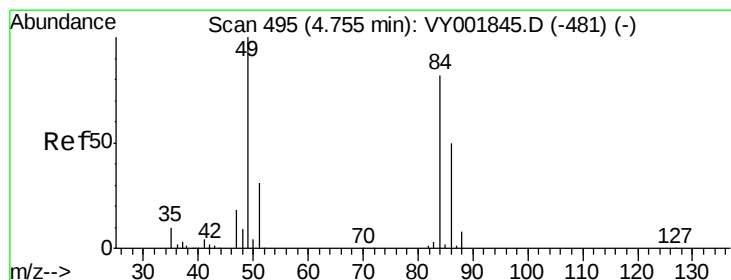
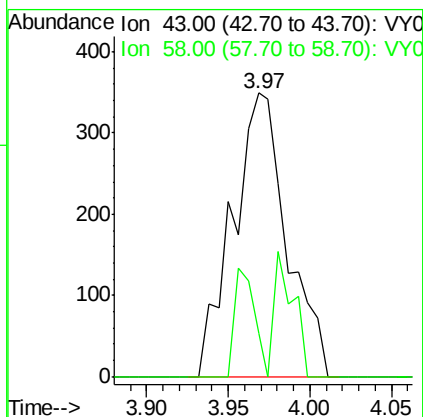
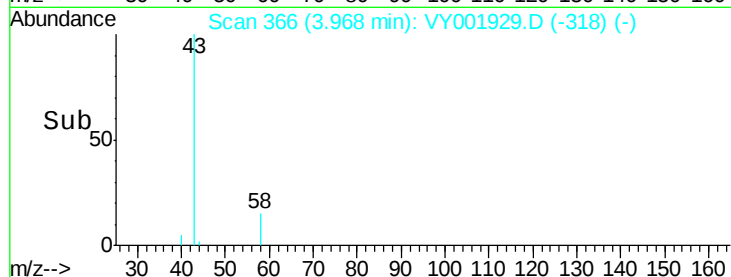
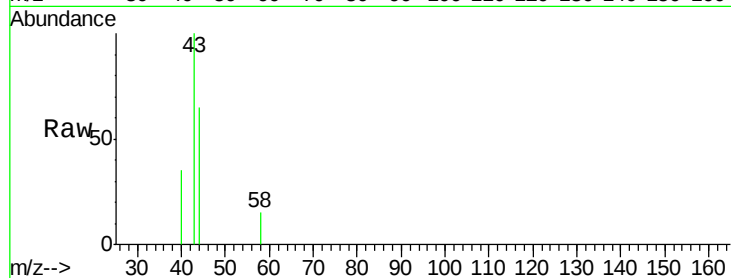
ClientSampleId :

Tot Ion: 43 Resp: 810

Ion Ratio Lower Upper

43 100

58 15.2 25.9 38.9#



#20

Methylene Chloride

Concen: 3.540 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Tgt Ion: 84 Resp: 2167

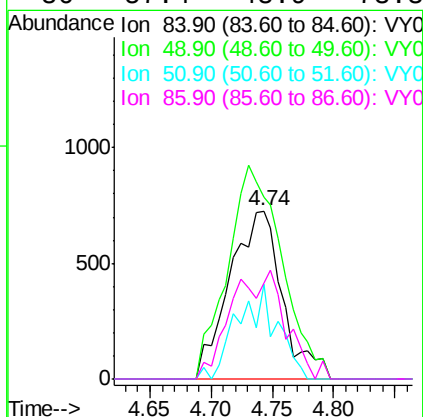
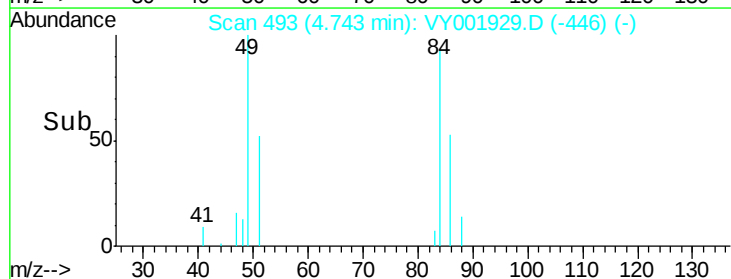
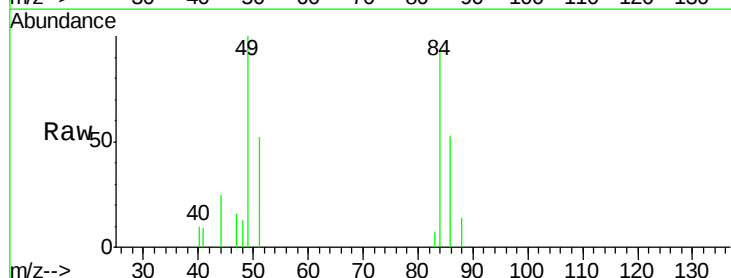
Ion Ratio Lower Upper

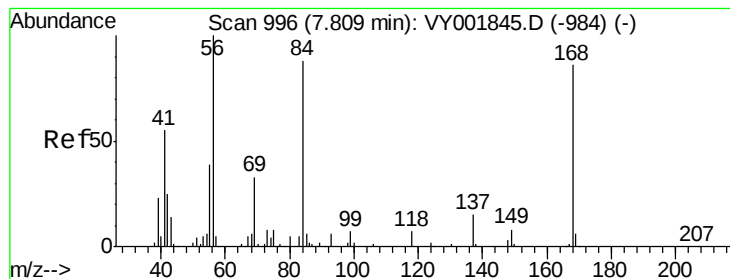
84 100

49 108.0 98.2 147.2

51 56.1 30.2 45.2#

86 57.4 48.9 73.3





#31

Cyclohexane

Concen: 1.058 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Instrument :
MSVOA_Y
ClientSampled :

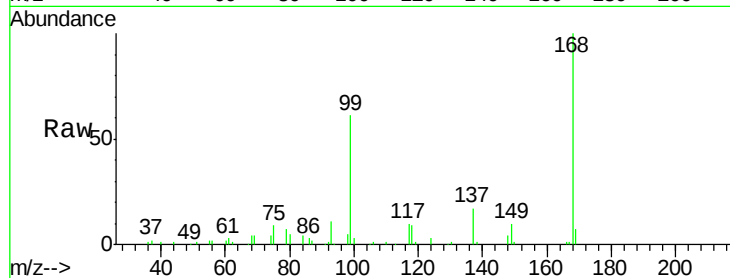
Tot Ion: 56 Resp: 1140

Ion Ratio Lower Upper

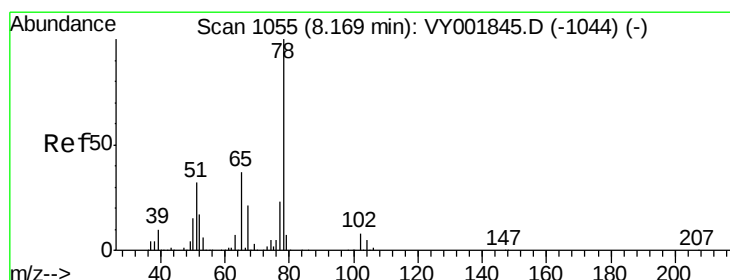
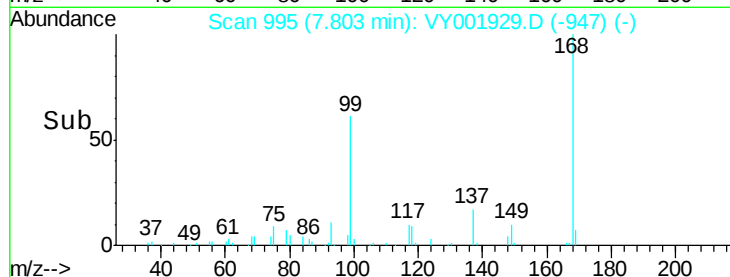
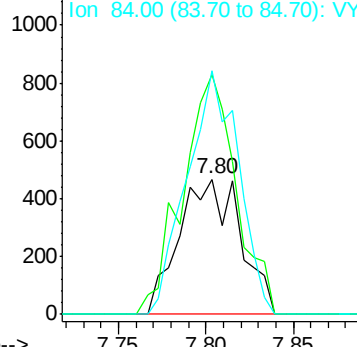
56 100

69 177.3 26.7 40.1#

84 180.3 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: 48.042 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001929.D

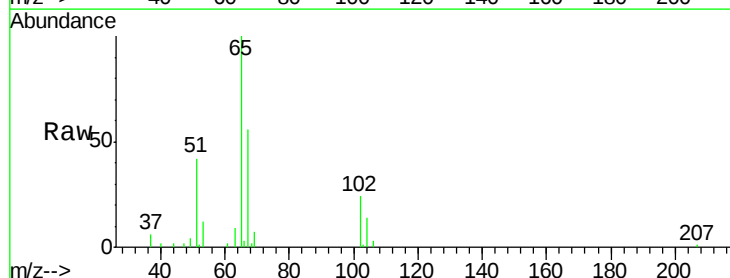
Acq: 10 Mar 2020 17:56

Tgt Ion: 65 Resp: 23562

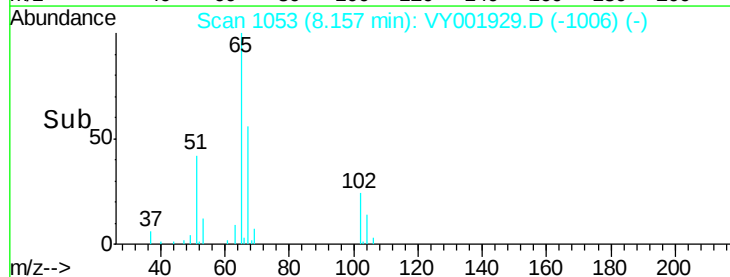
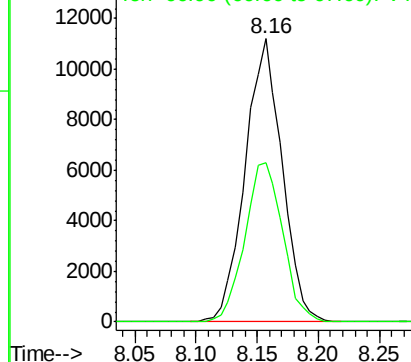
Ion Ratio Lower Upper

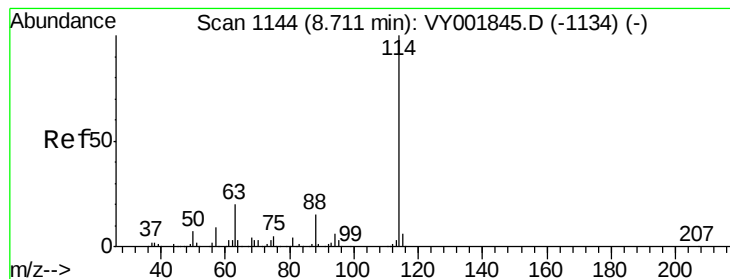
65 100

67 57.7 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: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

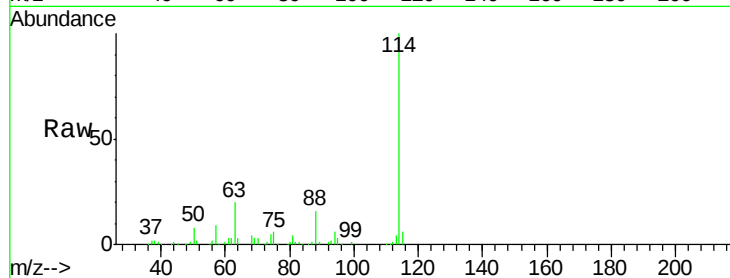
Tot Ion:114 Resp: 77696

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

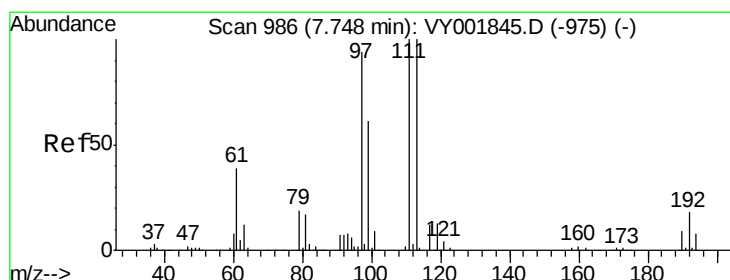
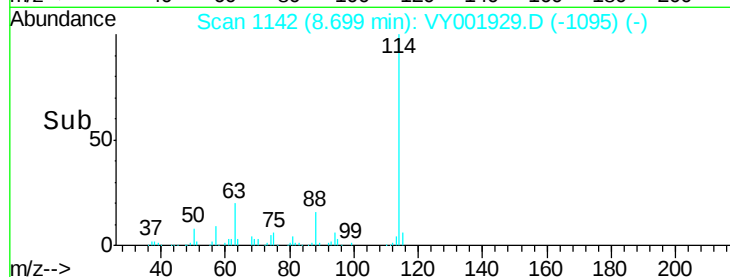
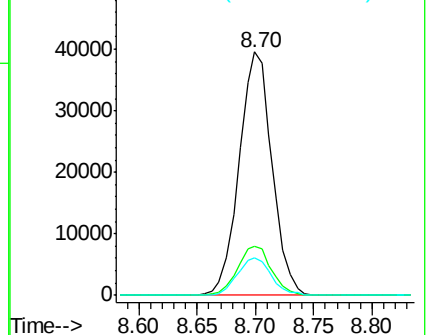
88 15.5 0.0 30.4



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: 52.245 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

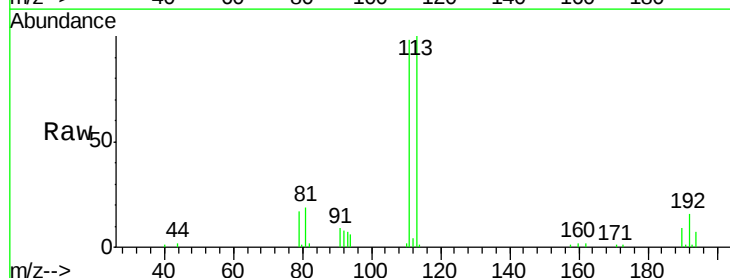
Tgt Ion:113 Resp: 22165

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

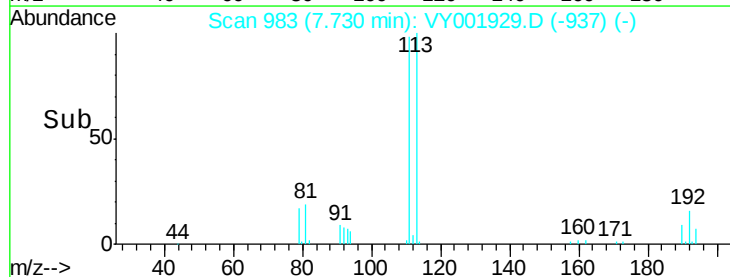
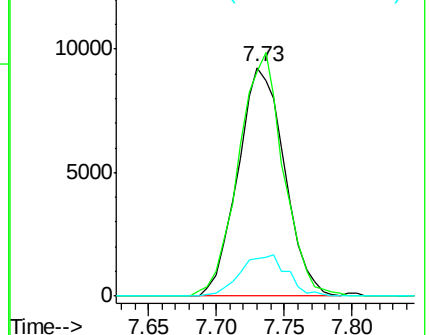
192 18.2 14.2 21.2

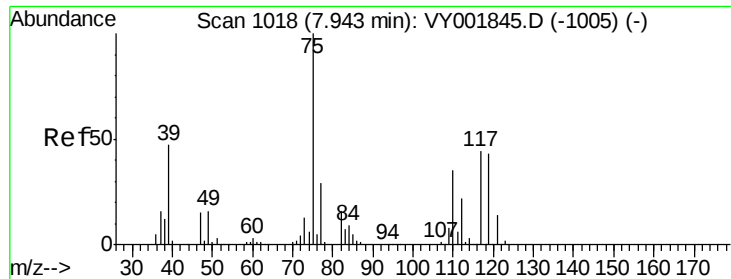


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

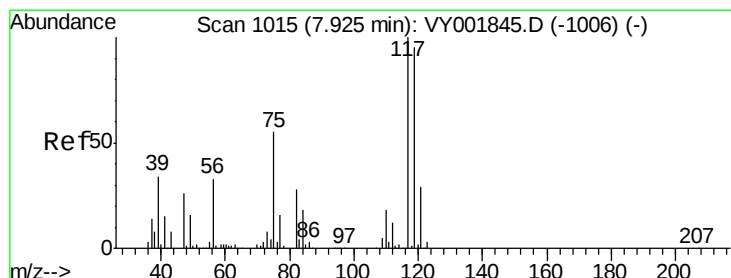
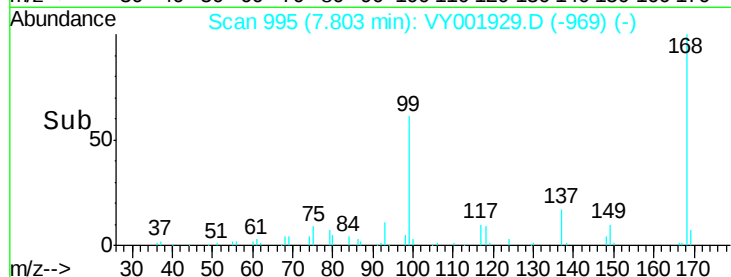
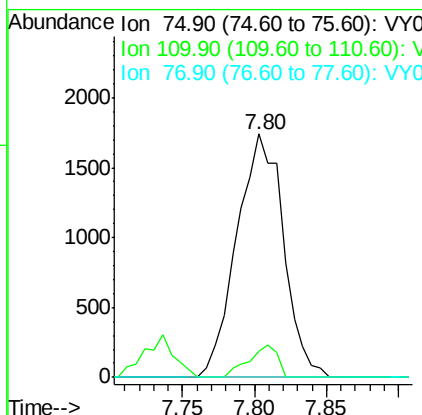
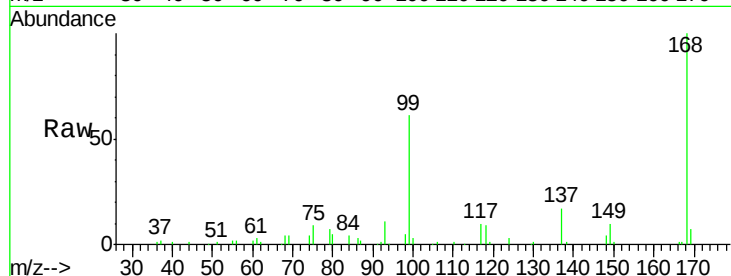




#36
 1,1-Dichloropropene
 Concen: 5.231 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001929.D
 Acq: 10 Mar 2020 17:56

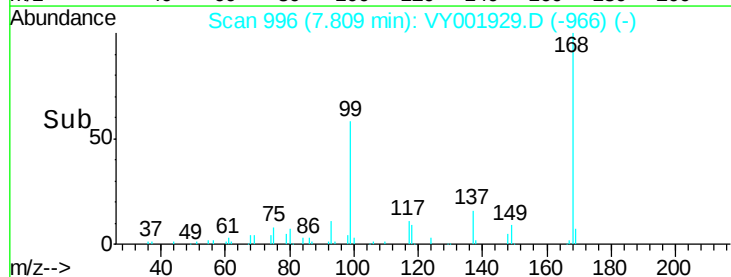
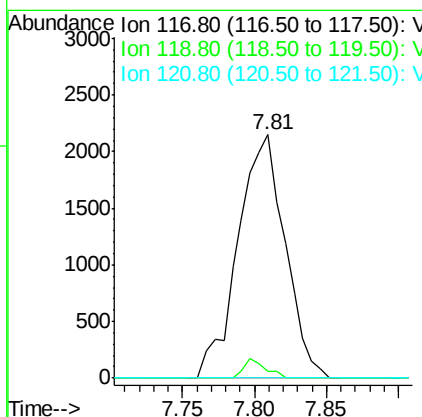
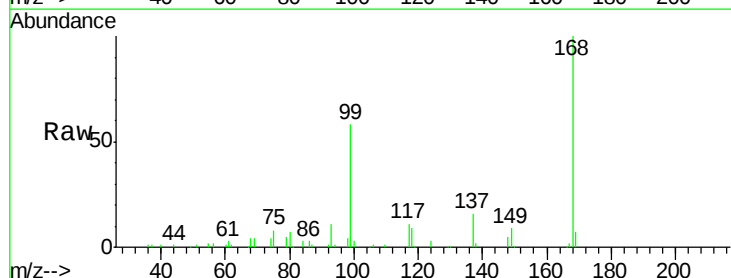
Instrument :
 MSVOA_Y
 ClientSampleId :

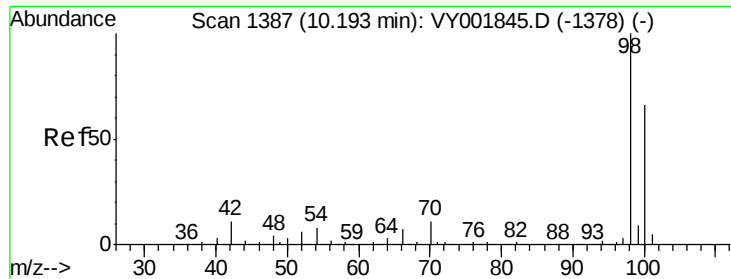
Tot Ion: 75 Resp: 3911
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 7.639 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001929.D
 Acq: 10 Mar 2020 17:56

Tgt Ion: 117 Resp: 4879
 Ion Ratio Lower Upper
 117 100
 119 2.9 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.493 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Instrument :

MSVOA_Y

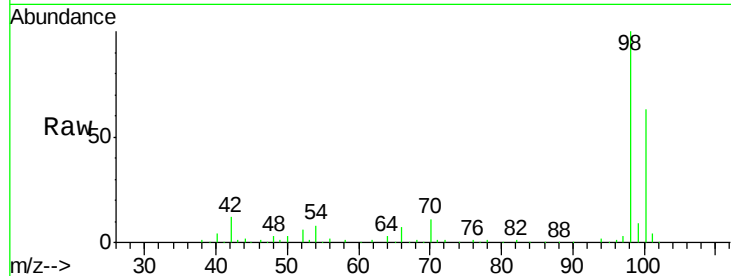
ClientSampleId :

Tot Ion: 98 Resp: 92121

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

60000

50000

40000

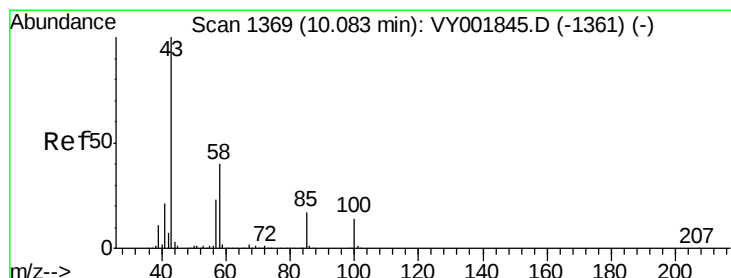
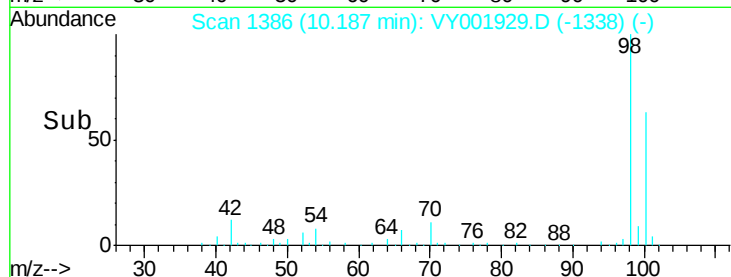
30000

20000

10000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.133 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY001929.D

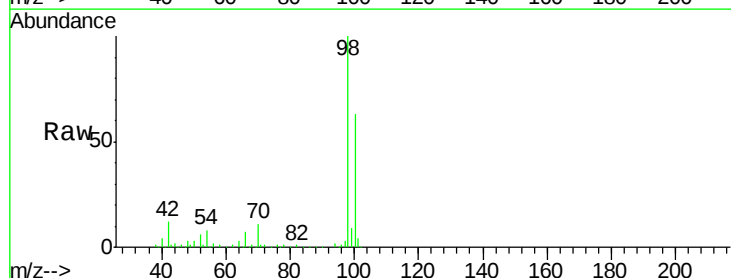
Acq: 10 Mar 2020 17:56

Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

43 100

58 164.2 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

10.19

600

500

400

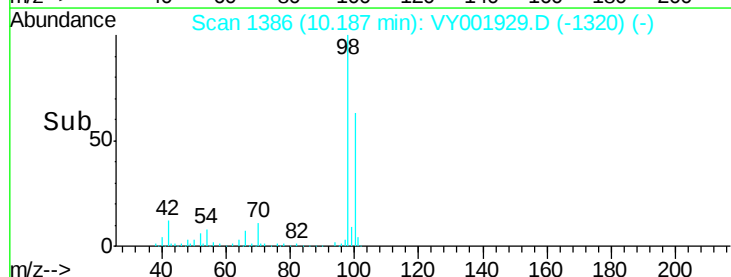
300

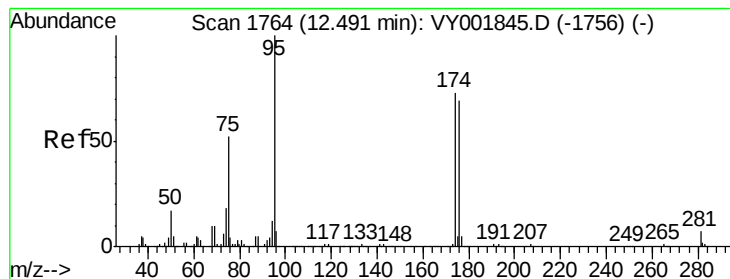
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 43.444 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

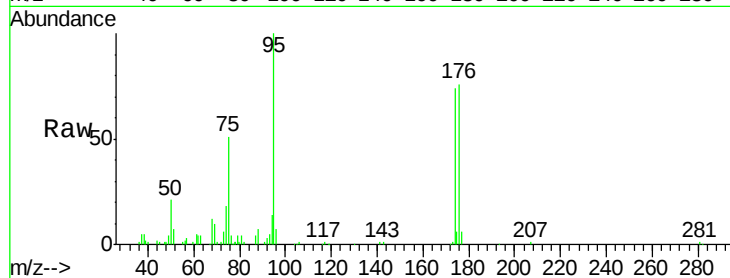
Tot Ion: 95 Resp: 27025

Ion Ratio Lower Upper

95 100

174 74.8 0.0 145.0

176 70.9 0.0 137.4

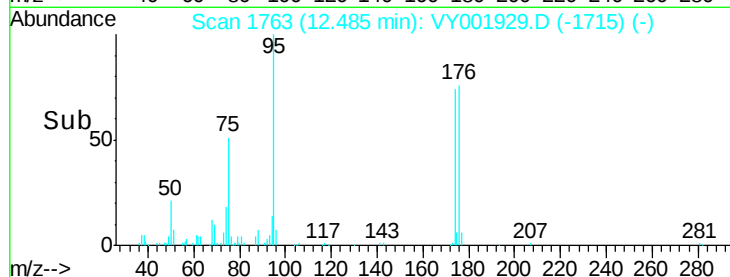


Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

Time--> 12.40 12.45 12.50 12.55

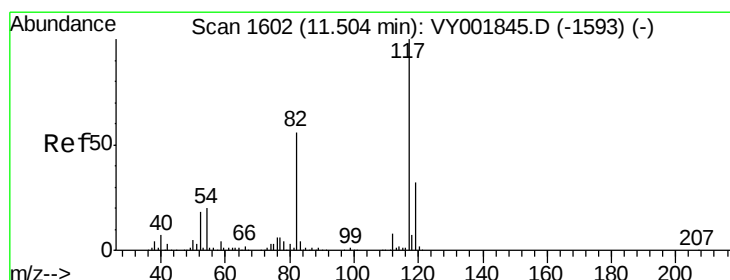


Abundance Ion 94.90 (94.60 to 95.60): VY001929.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001929.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001929.D (-1715) (-)

Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

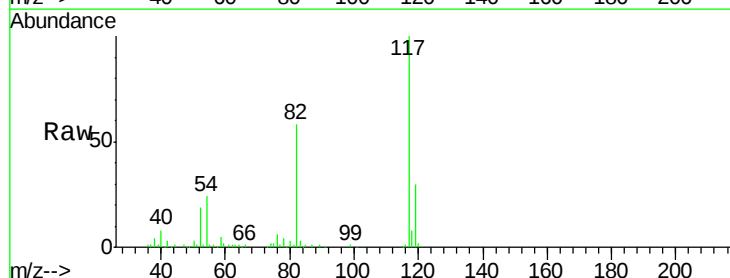
Tgt Ion: 117 Resp: 64649

Ion Ratio Lower Upper

117 100

82 57.5 44.5 66.7

119 30.1 25.7 38.5

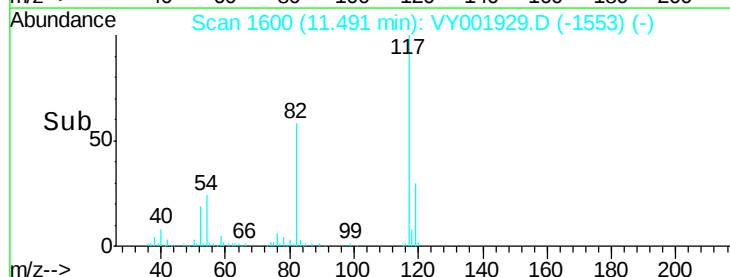


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)

Time--> 11.45 11.50 11.55

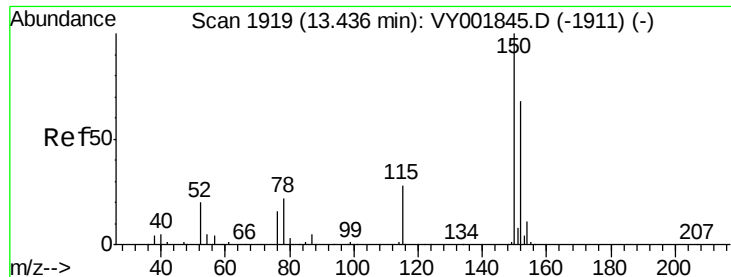


Abundance Ion 116.90 (116.60 to 117.60): VY001929.D (-1553) (-)

Ion 82.00 (81.70 to 82.70): VY001929.D (-1553) (-)

Ion 118.90 (118.60 to 119.60): VY001929.D (-1553) (-)

Time--> 11.45 11.50 11.55

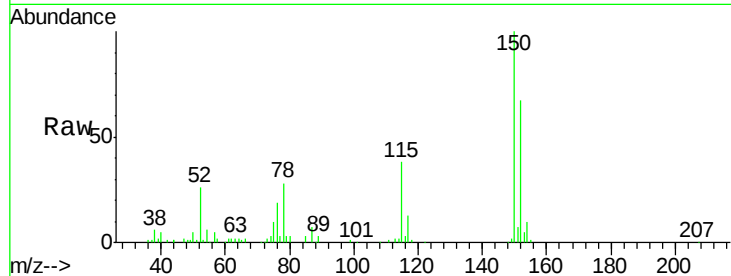


#72

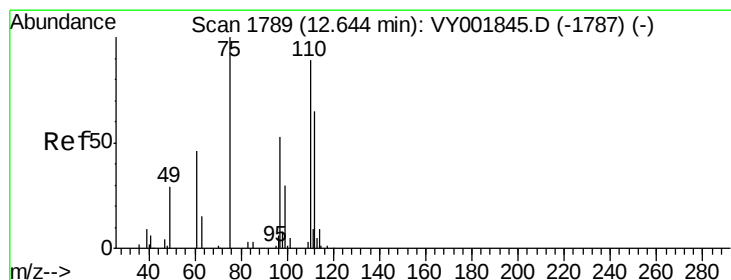
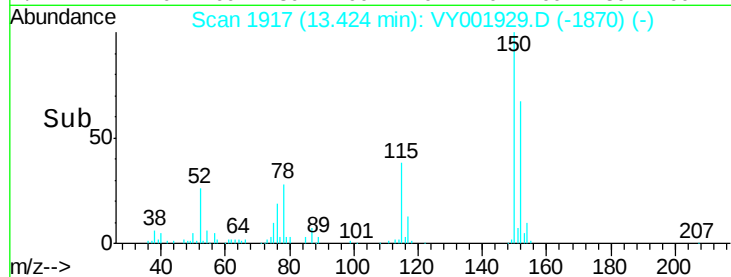
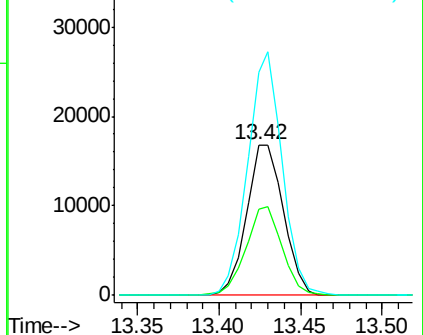
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY001929.D
Acq: 10 Mar 2020 17:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 26392
Ion Ratio Lower Upper
152 100
115 58.0 29.9 89.7
150 151.5 0.0 340.6



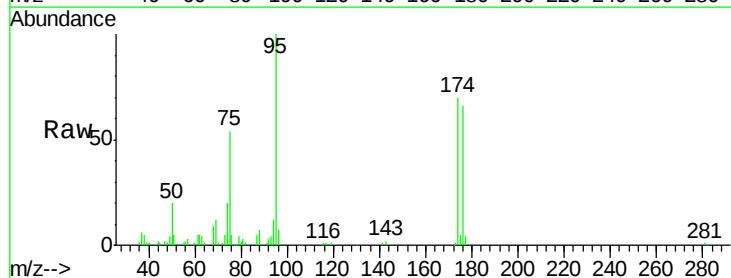
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



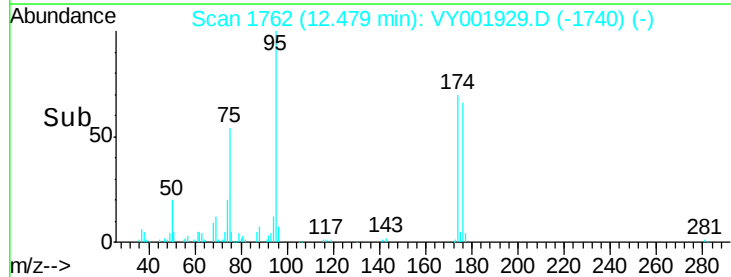
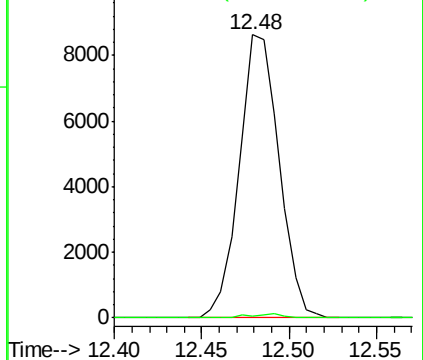
#76

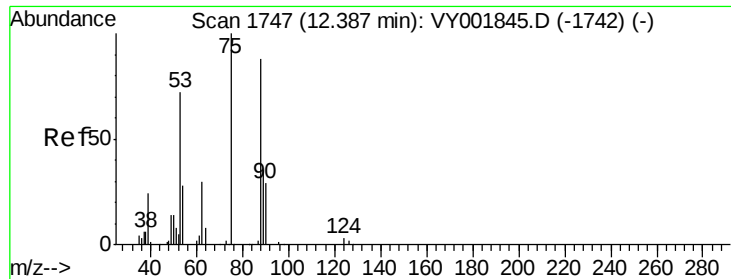
1,2,3-Trichloropropane
Concen: 43.531 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY001929.D
Acq: 10 Mar 2020 17:56

Tgt Ion: 75 Resp: 13632
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: 87.930 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001929.D

Acq: 10 Mar 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 13632

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

