

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002585.D
 Acq On : 05 May 2020 14:44
 Operator : SY/MD
 Sample : L2508-06
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:19:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	336933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	538894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	485685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	238637	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	167385	59.08	ug/l	0.00
Spiked Amount			Recovery	=	118.16%	
35) Dibromofluoromethane	7.73	113	165396	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
50) Toluene-d8	10.19	98	629436	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.49	95	209528	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

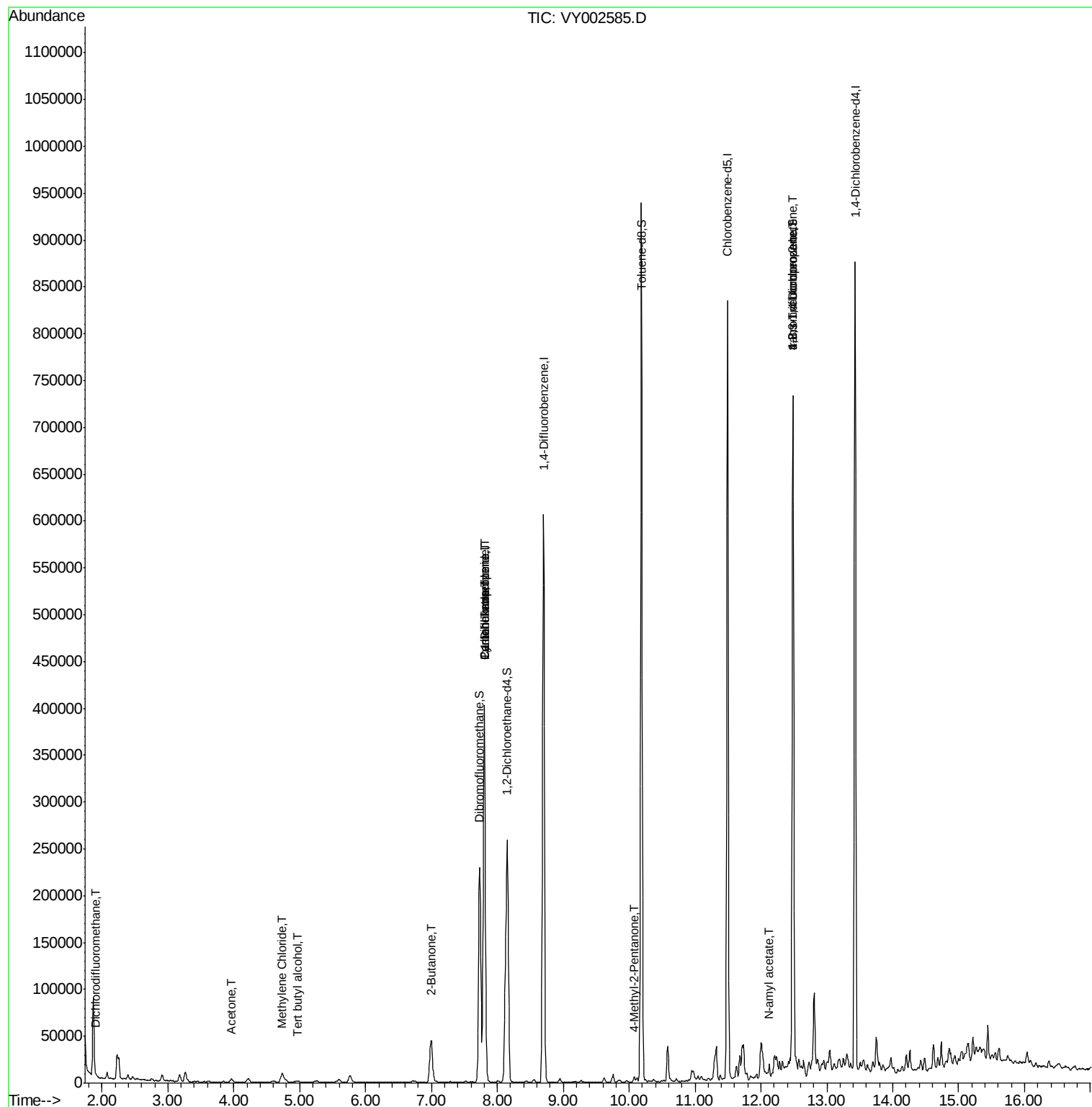
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	432	1.934	ug/l	79
11) Tert butyl alcohol	4.97	59	1730	5.936	ug/l #	82
16) Acetone	3.96	43	6254	10.697	ug/l	93
20) Methylene Chloride	4.74	84	7127	2.180	ug/l	92
25) 2-Butanone	7.00	43	3519	3.677	ug/l #	77
31) Cyclohexane	7.80	56	5602	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21920	4.852	ug/l #	48
38) Carbon Tetrachloride	7.80	117	30594	6.203	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3874	1.727	ug/l	98
74) N-amyl acetate	12.13	43	3855	1.036	ug/l #	46
76) 1,2,3-Trichloropropane	12.49	75	100986	47.619	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	100986	95.486	ug/l #	16

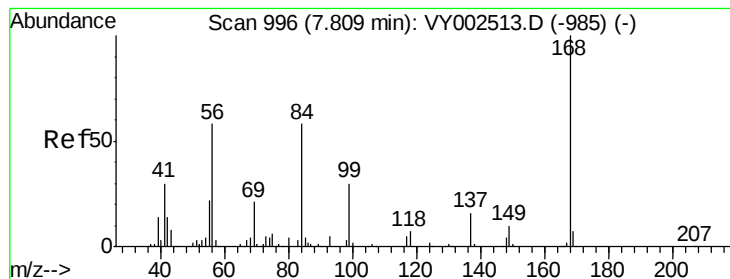
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002585.D

Acq: 05 May 2020 14:44

Instrument :

MSVOA_Y

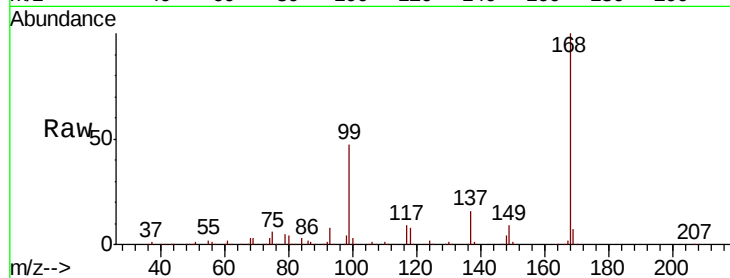
ClientSampleId :

Tot Ion:168 Resp: 336933

Ion Ratio Lower Upper

168 100

99 46.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

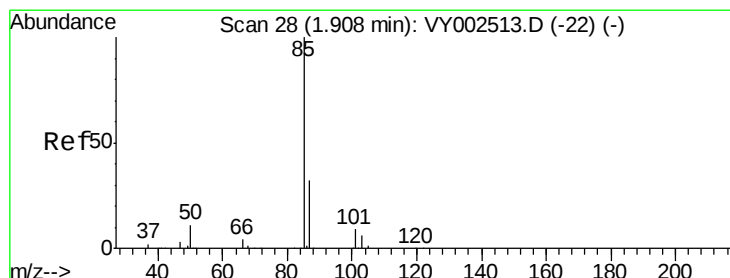
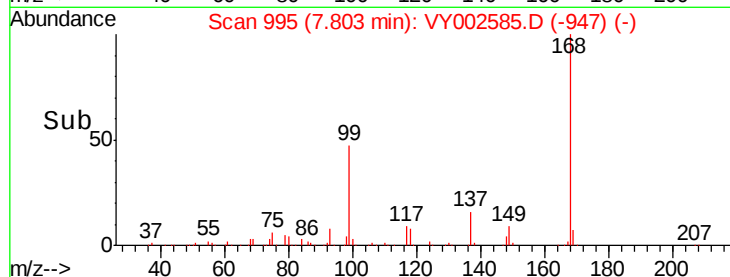
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.934 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002585.D

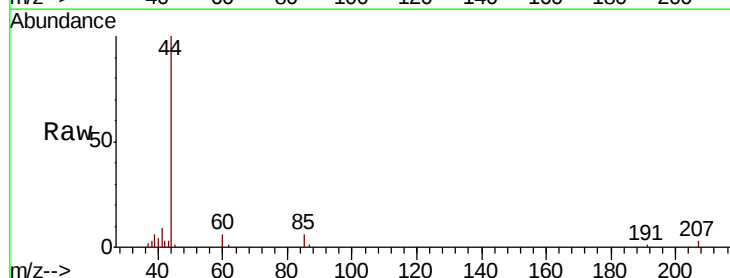
Acq: 05 May 2020 14:44

Tgt Ion: 85 Resp: 432

Ion Ratio Lower Upper

85 100

87 19.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

400

300

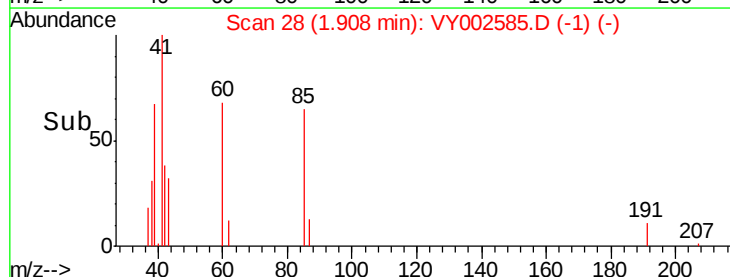
200

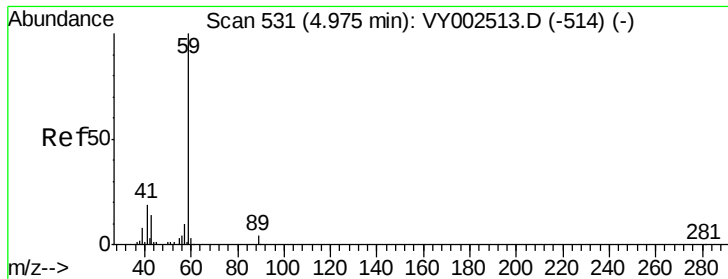
100

0

1.85 1.90 1.95

Time-->



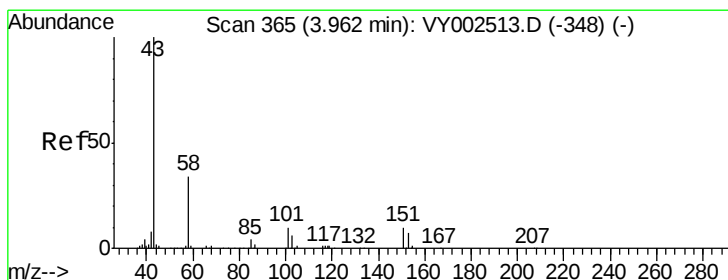
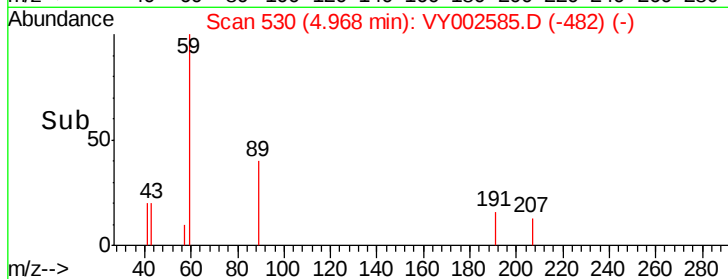
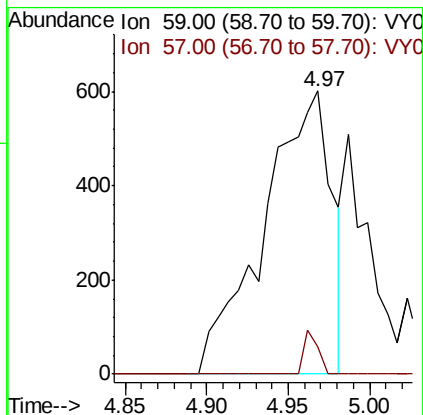
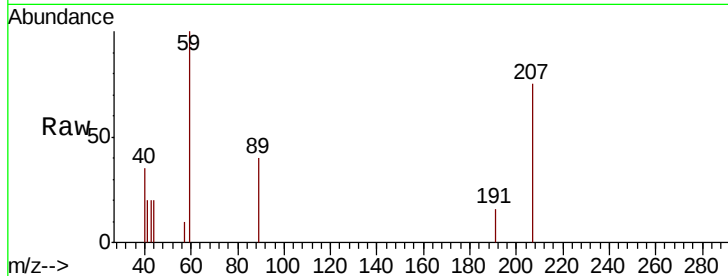


#11

Tert butyl alcohol
 Concen: 5.936 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002585.D
 Acq: 05 May 2020 14:44

Instrument :
 MSVOA_Y
 ClientSampleId :

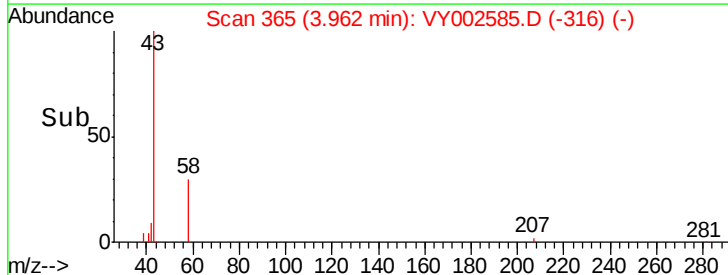
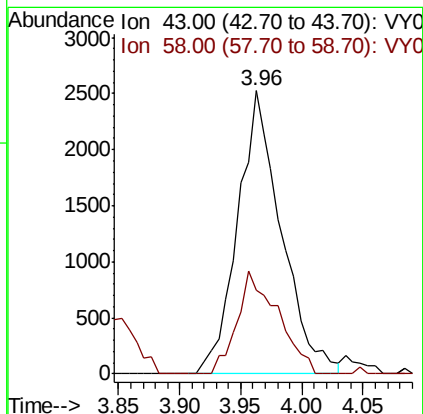
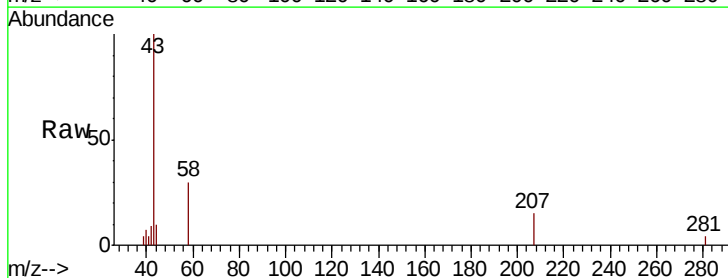
Tot Ion: 59 Resp: 1730
 Ion Ratio Lower Upper
 59 100
 57 3.2 7.8 11.6#

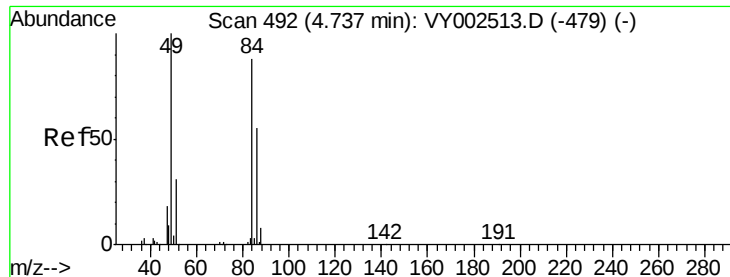


#16

Acetone
 Concen: 10.697 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY002585.D
 Acq: 05 May 2020 14:44

Tgt Ion: 43 Resp: 6254
 Ion Ratio Lower Upper
 43 100
 58 29.5 26.9 40.3





#20

Methylene Chloride

Concen: 2.180 ug/l

RT: 4.74 min Scan# 492

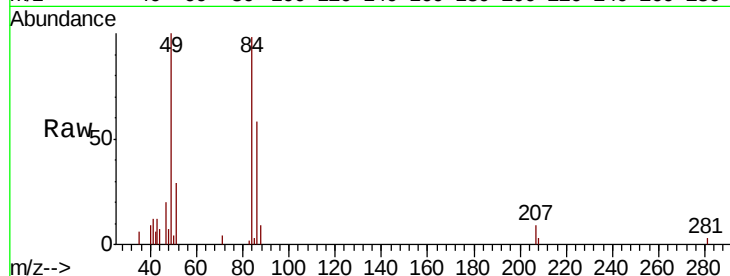
Delta R.T. -0.00 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	7127
Ion	Ratio	Lower	Upper
84	100		
49	102.1	90.5	135.7
51	29.3	28.3	42.5
86	59.4	49.9	74.9



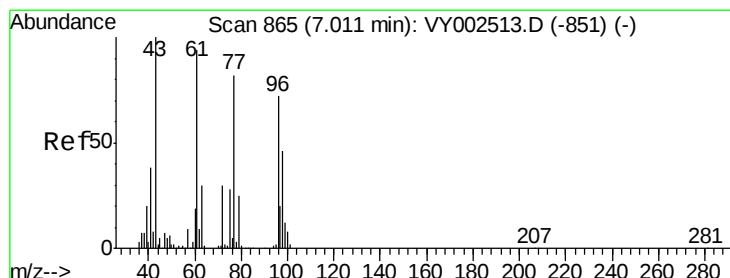
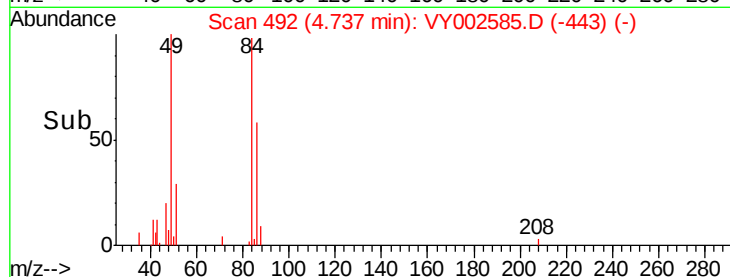
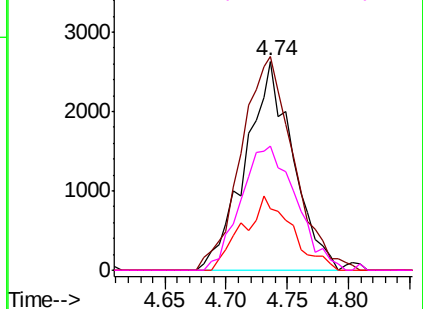
Abundance

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



#25

2-Butanone

Concen: 3.677 ug/l

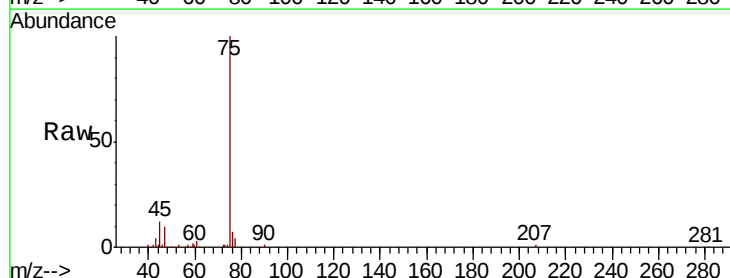
RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

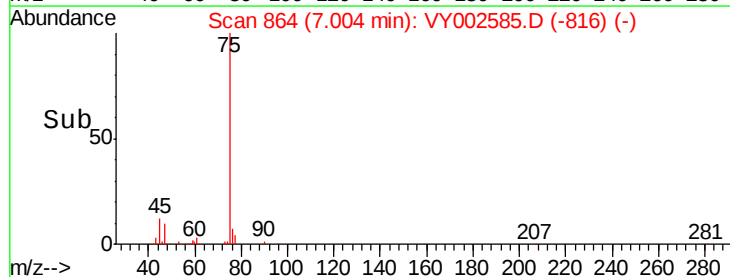
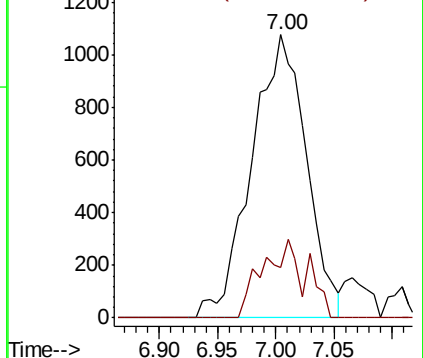
Tgt Ion:	43	Resp:	3519
Ion	Ratio	Lower	Upper
43	100		
72	17.8	24.1	36.1#

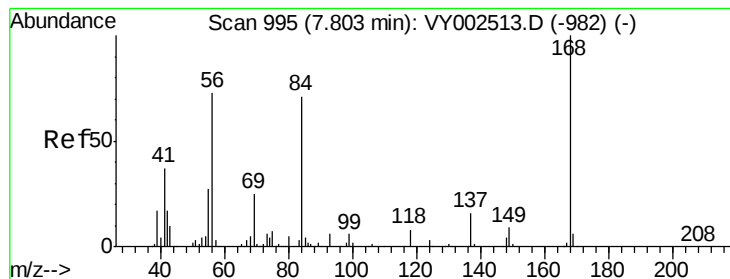


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.100 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

Instrument :
MSVOA_Y
ClientSampled :

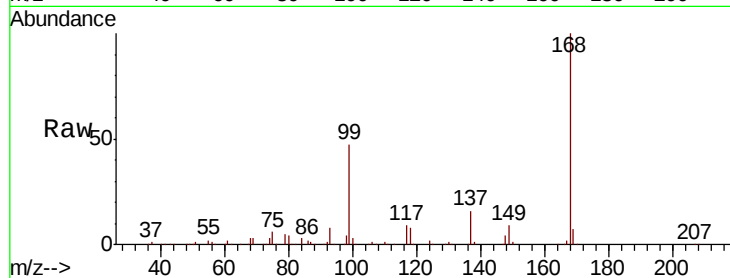
Tot Ion: 56 Resp: 5602

Ion Ratio Lower Upper

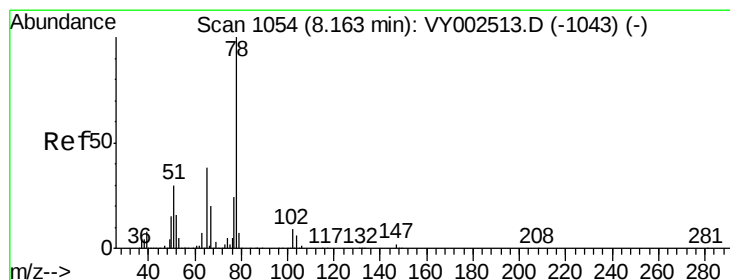
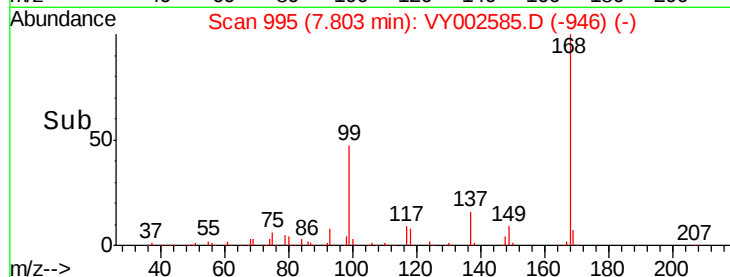
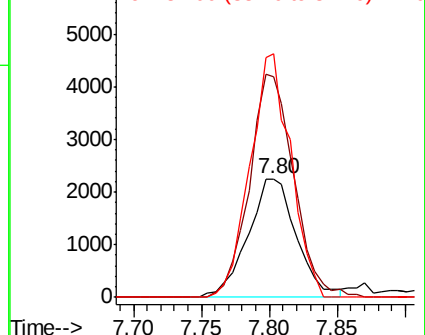
56 100

69 186.6 27.6 41.4#

84 205.5 77.7 116.5#



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: 59.084 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002585.D

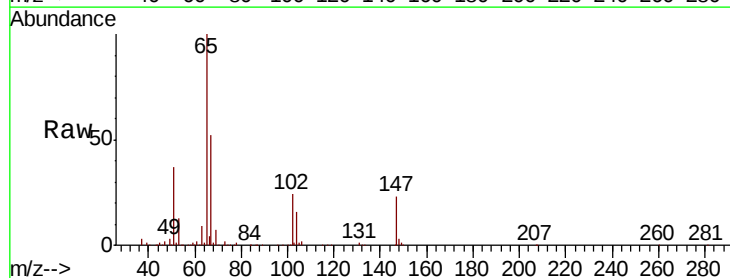
Acq: 05 May 2020 14:44

Tgt Ion: 65 Resp: 167385

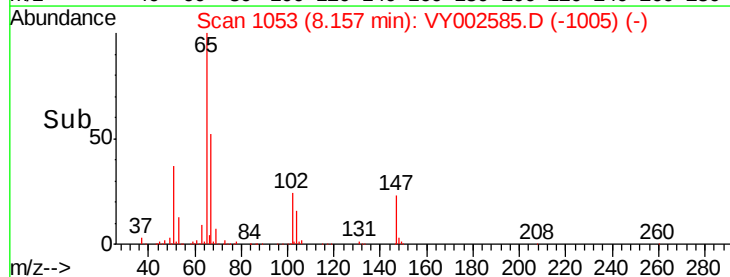
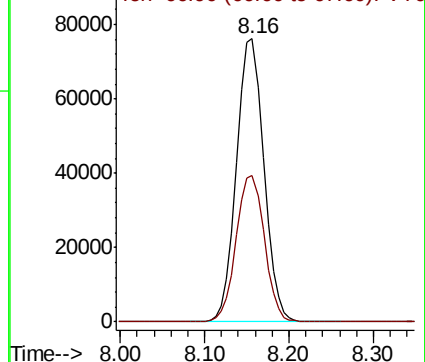
Ion Ratio Lower Upper

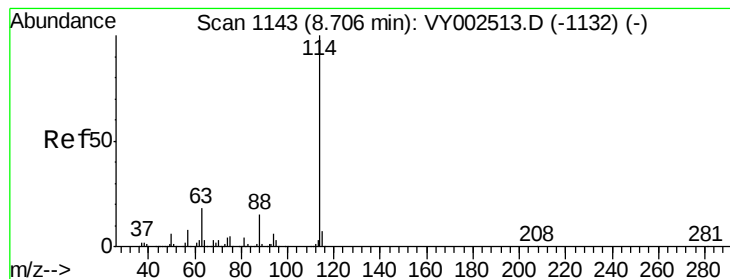
65 100

67 53.5 0.0 107.2



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: VY002585.D

Acq: 05 May 2020 14:44

Instrument :

MSVOA_Y

ClientSampleId :

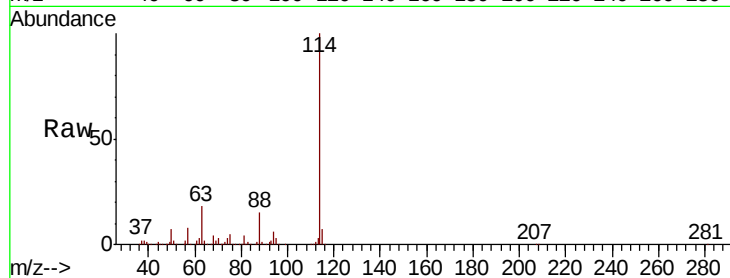
Tot Ion:114 Resp: 538894

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.4

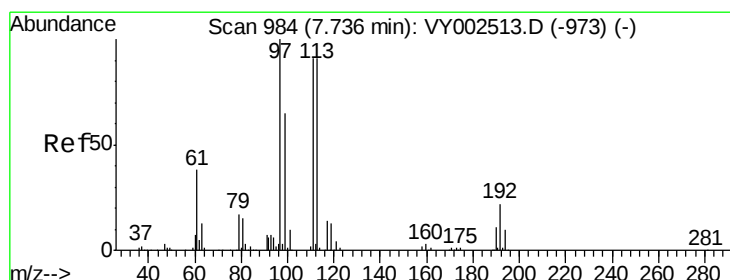
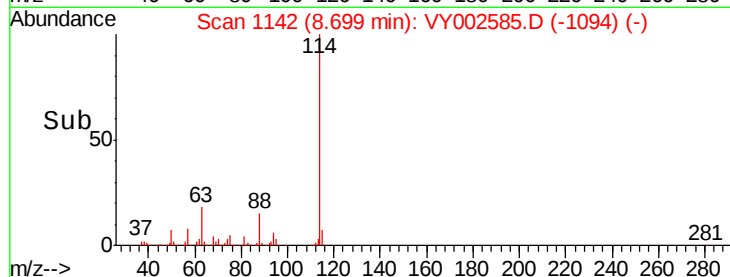
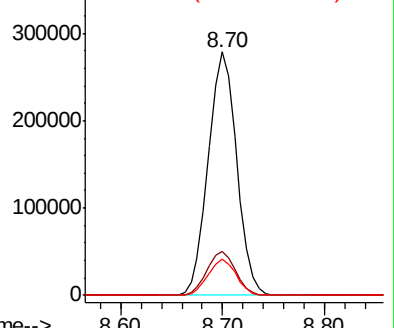
88 15.0 0.0 29.6



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: 53.666 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

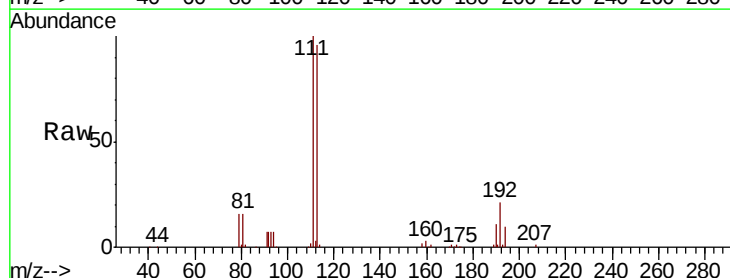
Tgt Ion:113 Resp: 165396

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

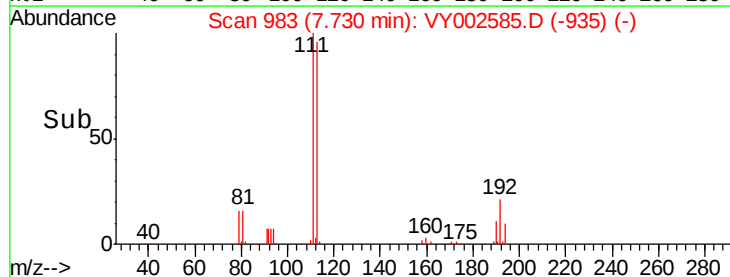
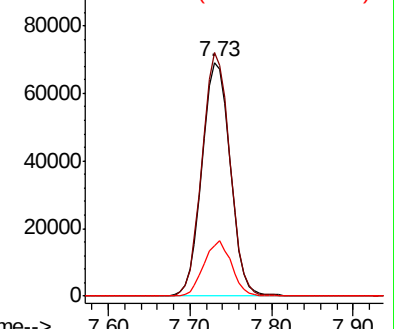
192 23.0 18.2 27.4

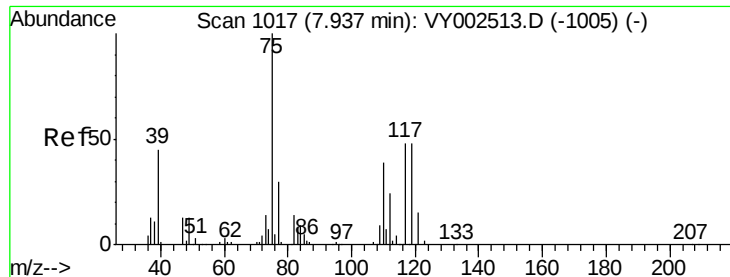


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

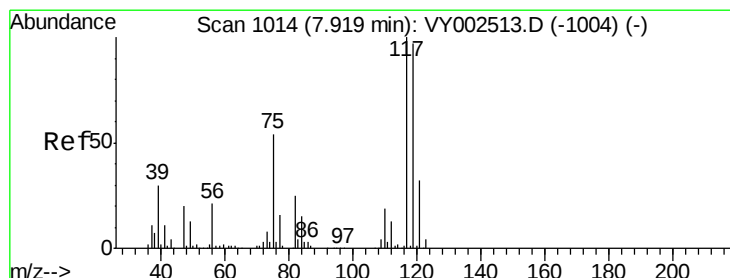
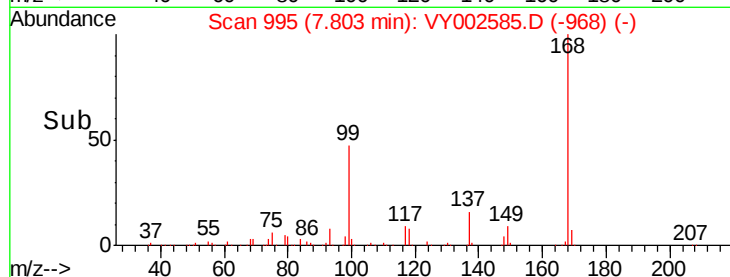
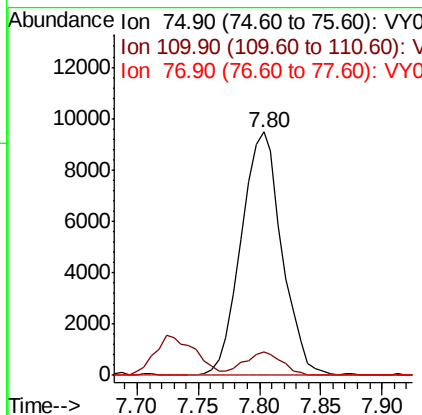
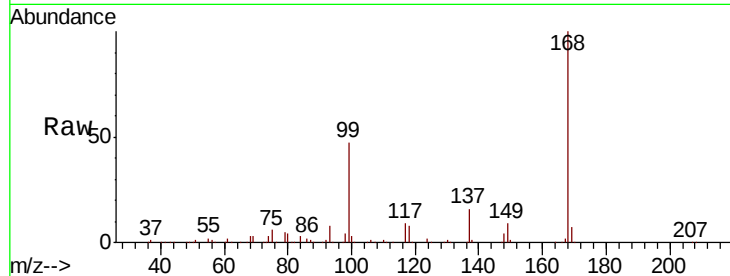




#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002585.D
 Acq: 05 May 2020 14:44

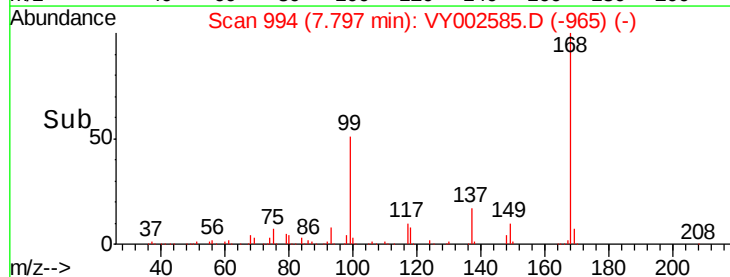
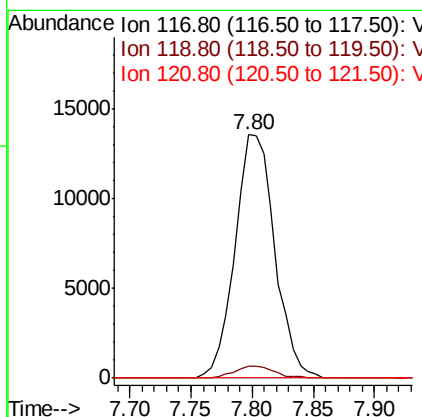
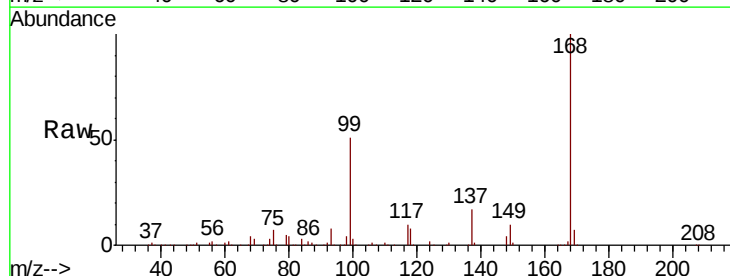
Instrument :
 MSVOA_Y
 ClientSampleId :

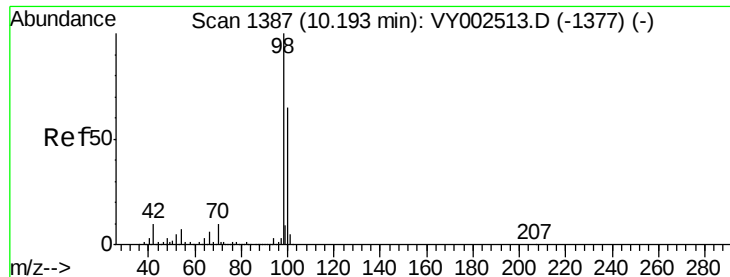
Tot Ion	75	Resp	21920
Ion Ratio	100	Lower	Upper
75	100		
110	9.1	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.203 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002585.D
 Acq: 05 May 2020 14:44

Tgt Ion	117	Resp	30594
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.9	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.298 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

Instrument :

MSVOA_Y

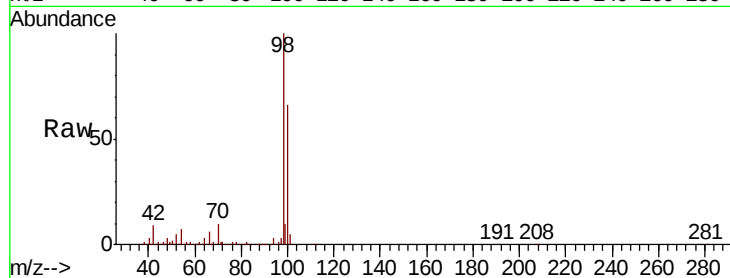
ClientSampleId :

Tot Ion: 98 Resp: 629436

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

400000

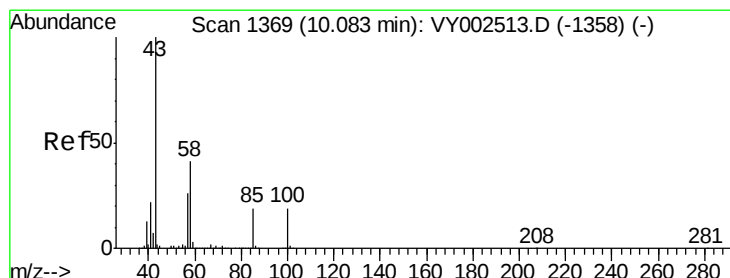
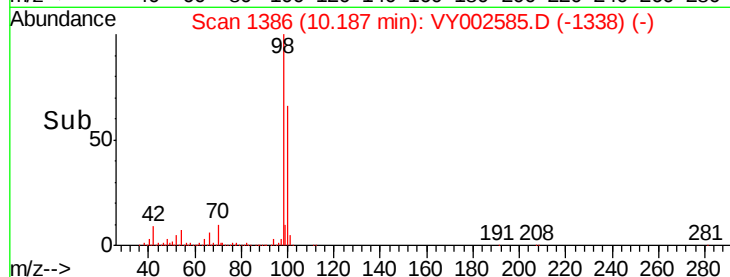
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.727 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002585.D

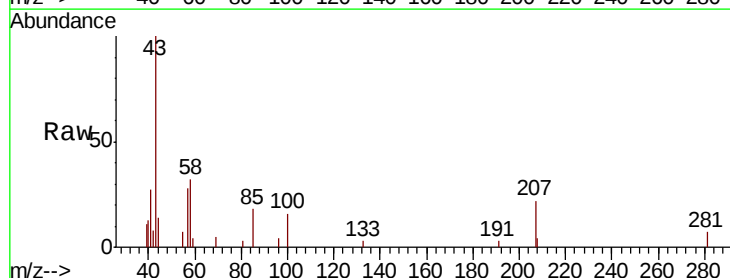
Acq: 05 May 2020 14:44

Tgt Ion: 43 Resp: 3874

Ion Ratio Lower Upper

43 100

58 40.0 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

2000

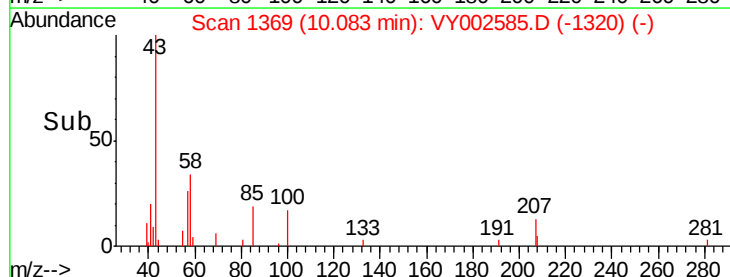
1500

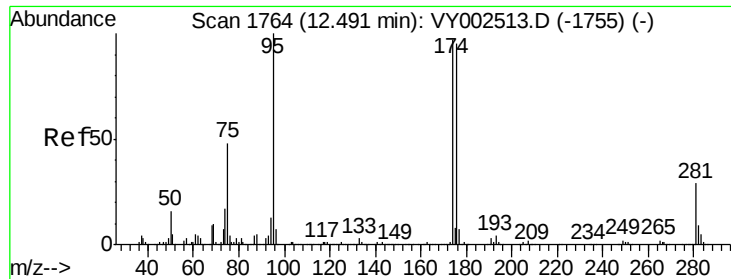
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.305 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

Instrument :

MSVOA_Y

ClientSampleId :

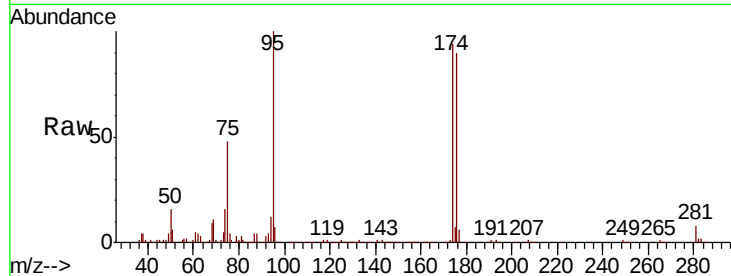
Tot Ion: 95 Resp: 209528

Ion Ratio Lower Upper

95 100

174 93.2 0.0 188.8

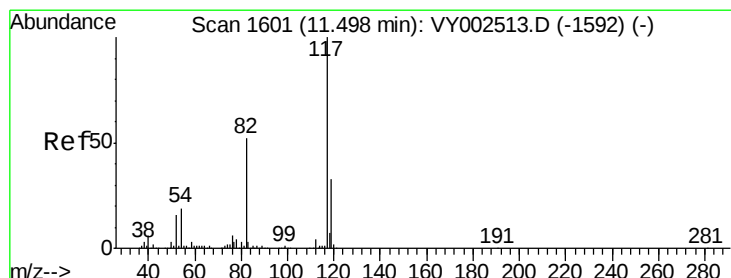
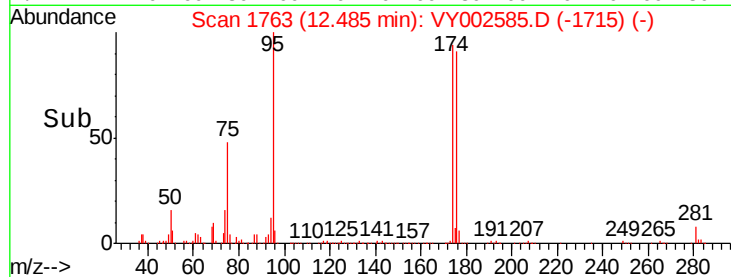
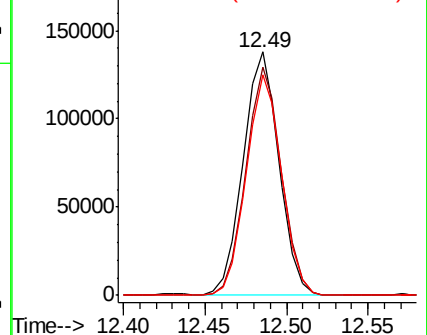
176 90.0 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

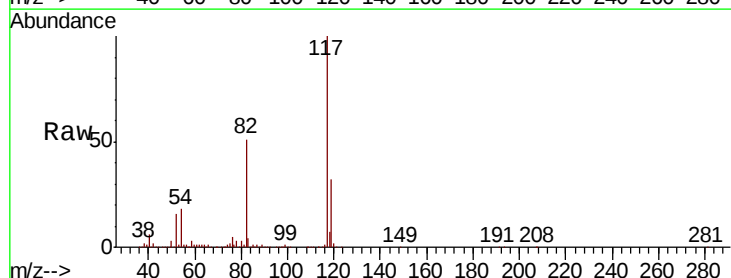
Tgt Ion: 117 Resp: 485685

Ion Ratio Lower Upper

117 100

82 51.2 41.3 61.9

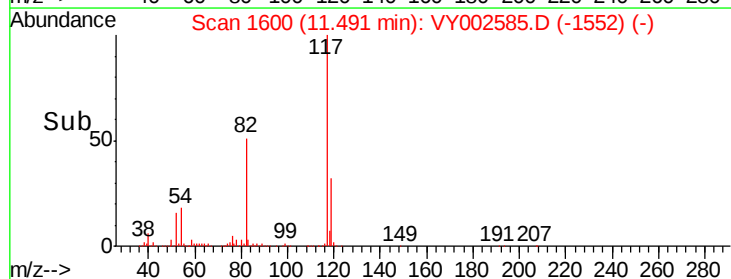
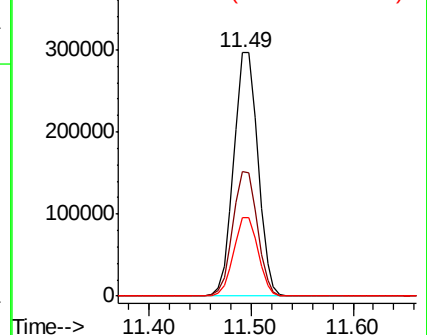
119 32.3 26.0 39.0

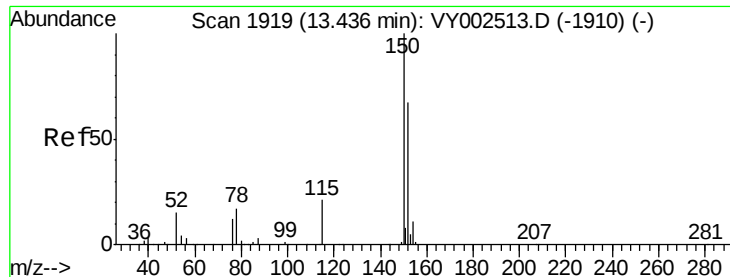


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

Instrument :

MSVOA_Y

ClientSampleId :

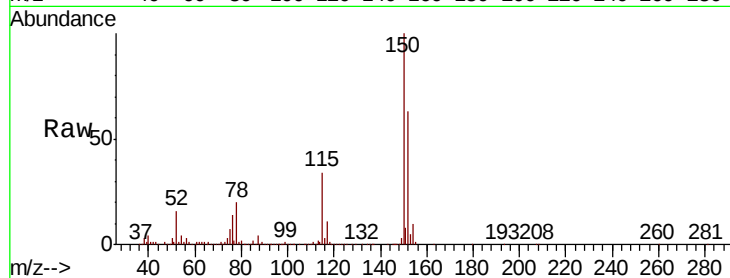
Tot Ion:152 Resp: 238637

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

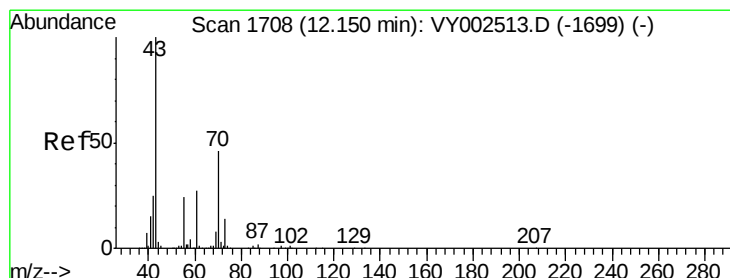
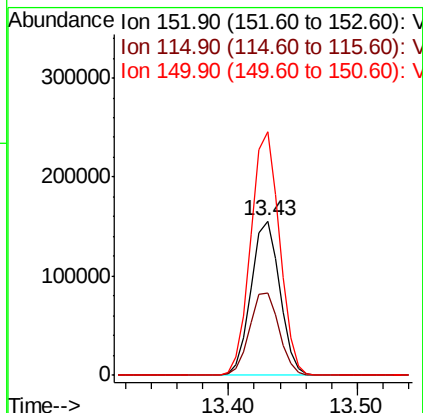
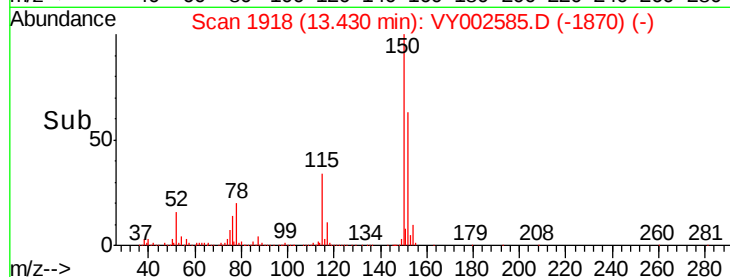
150 157.8 0.0 346.4



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



#74

N-ethyl acetate

Concen: 1.036 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

Tgt Ion: 43 Resp: 3855

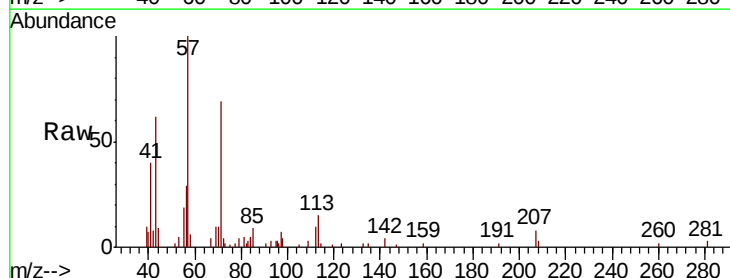
Ion Ratio Lower Upper

43 100

70 7.7 36.7 55.1#

55 0.0 19.2 28.8#

61 0.0 21.1 31.7#

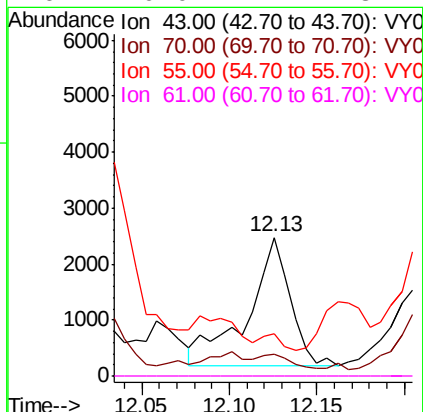
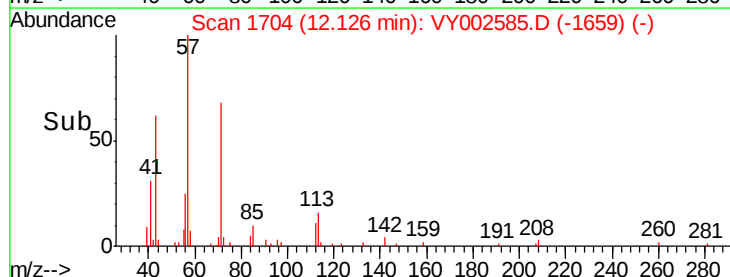


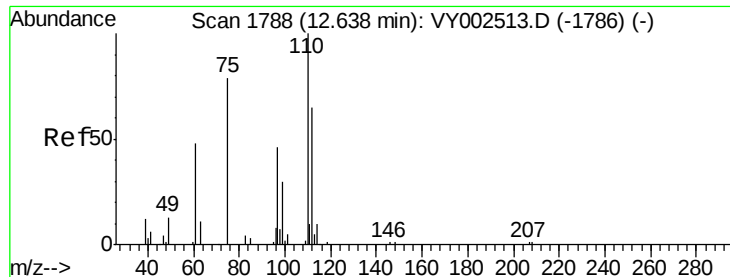
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 47.619 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

Instrument :

MSVOA_Y

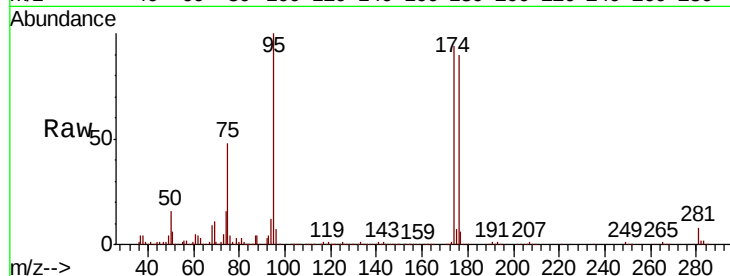
ClientSampleId :

Tot Ion: 75 Resp: 100986

Ion Ratio Lower Upper

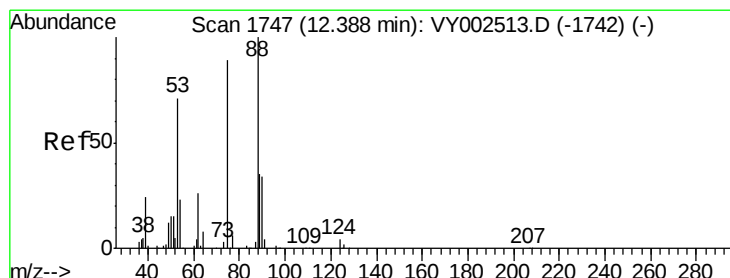
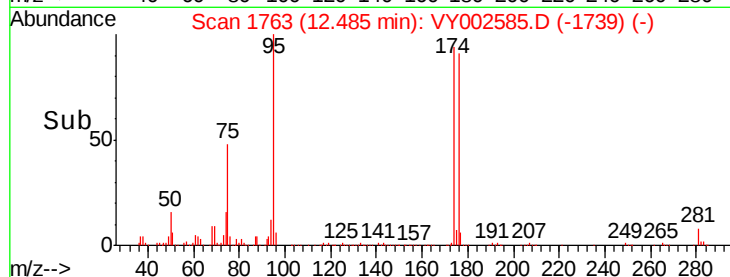
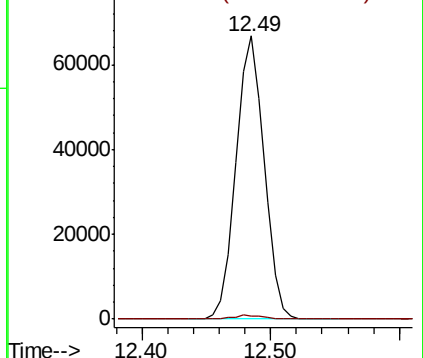
75 100

77 1.4 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: 95.486 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002585.D

Acq: 05 May 2020 14:44

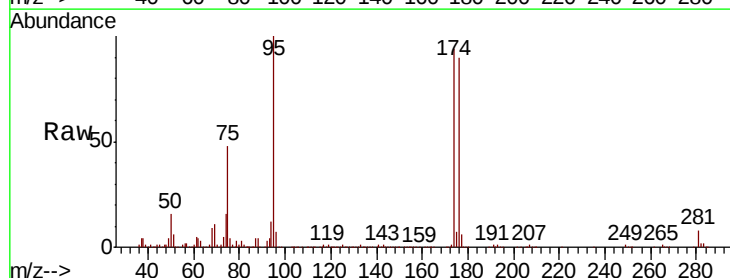
Tgt Ion: 75 Resp: 100986

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.0#

89 0.1 37.4 56.0#



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

