

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040920\
 Data File : VY002264.D
 Acq On : 09 Apr 2020 10:40
 Operator : SY/MD
 Sample : VY0409SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBL01

Quant Time: Apr 10 04:27:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	146744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	274204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	120965	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	89320	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	7.74	113	86388	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.19	98	353234	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.49	95	125013	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	

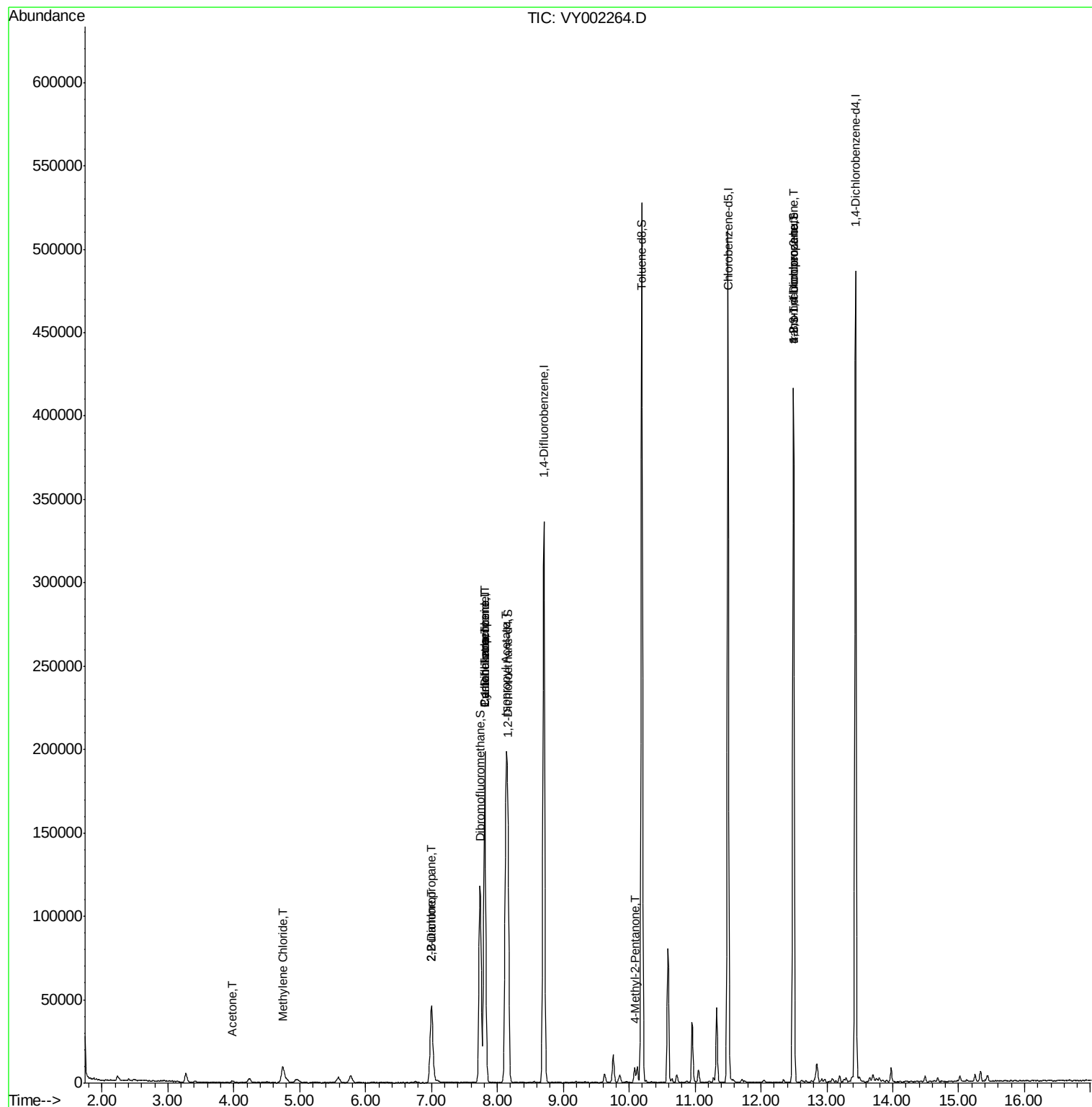
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	2712	Below Cal	#	82
16) Acetone	3.97	43	1946	4.528	ug/l	96
20) Methylene Chloride	4.74	84	6658	3.152	ug/l	87
25) 2-Butanone	6.99	43	2700	3.969	ug/l #	76
26) 2,2-Dichloropropane	7.00	77	3295	1.203	ug/l #	51
31) Cyclohexane	7.80	56	3466	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12347	4.332	ug/l #	49
38) Carbon Tetrachloride	7.81	117	14803	6.071	ug/l #	14
43) Isopropyl Acetate	8.13	43	4102	1.381	ug/l #	7
51) 4-Methyl-2-Pentanone	10.08	43	7404	4.785	ug/l	94
76) 1,2,3-Trichloropropane	12.49	75	62992	44.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62992	87.222	ug/l #	19

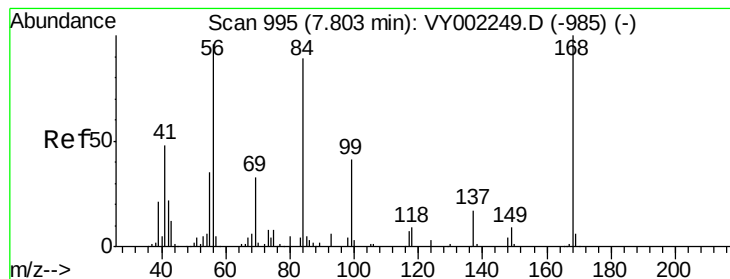
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

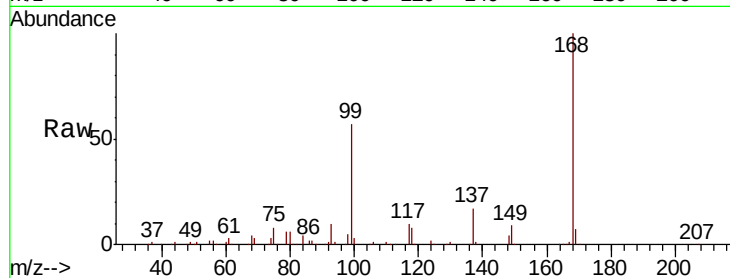
VY0409SBL01

Tot Ion:168 Resp: 146744

Ion Ratio Lower Upper

168 100

99 56.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

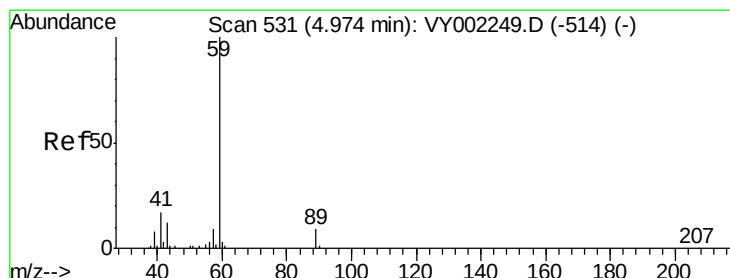
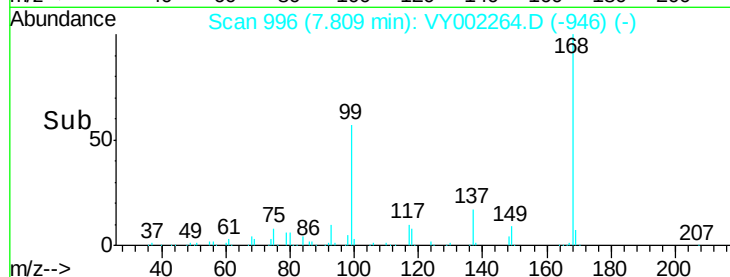
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002264.D

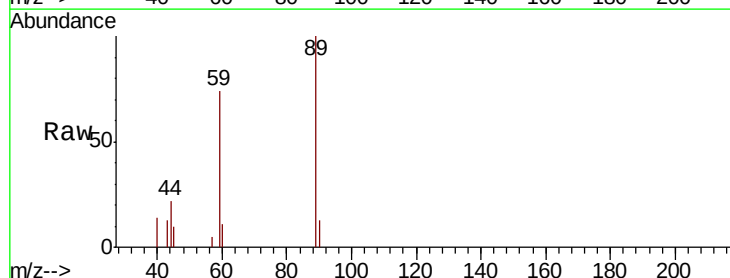
Acq: 09 Apr 2020 10:40

Tgt Ion: 59 Resp: 2712

Ion Ratio Lower Upper

59 100

57 1.7 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.96

800

600

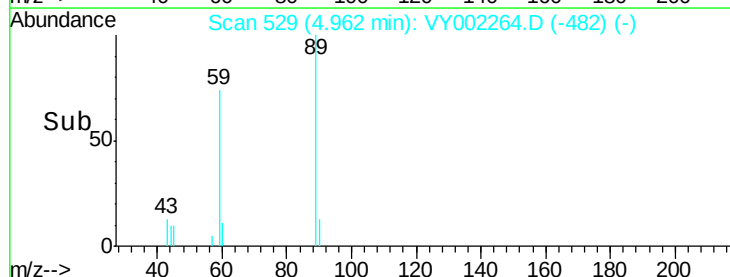
400

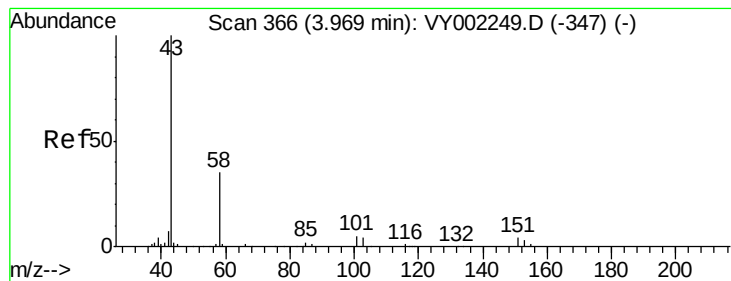
200

0

4.90 4.96 5.00

Time-->





#16

Acetone

Concen: 4.528 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.00 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

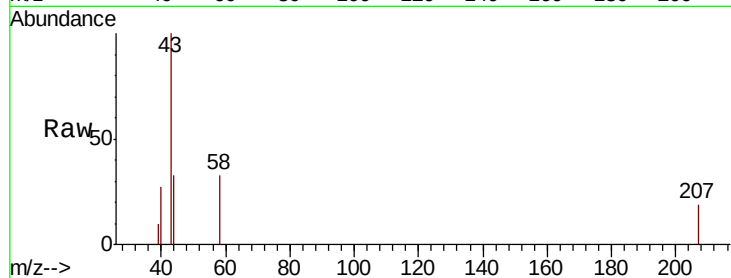
VY0409SBL01

Tot Ion: 43 Resp: 1946

Ion Ratio Lower Upper

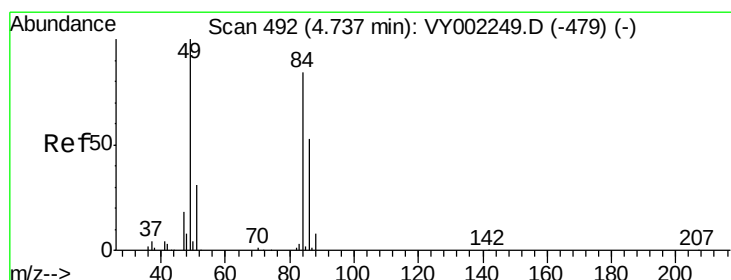
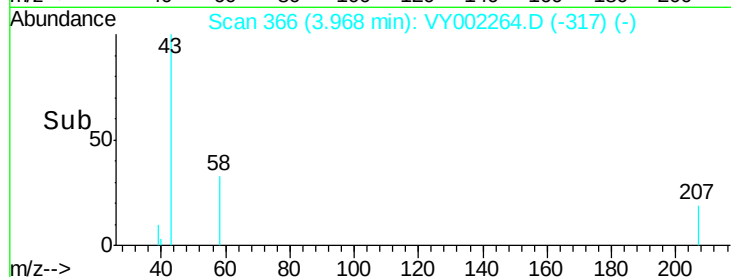
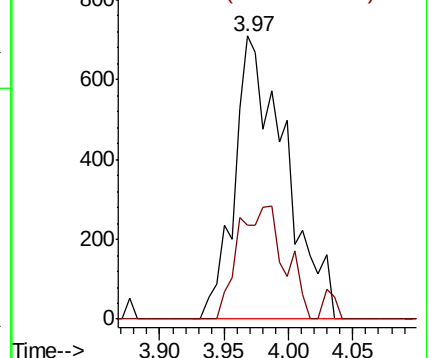
43 100

58 33.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.152 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Tgt Ion: 84 Resp: 6658

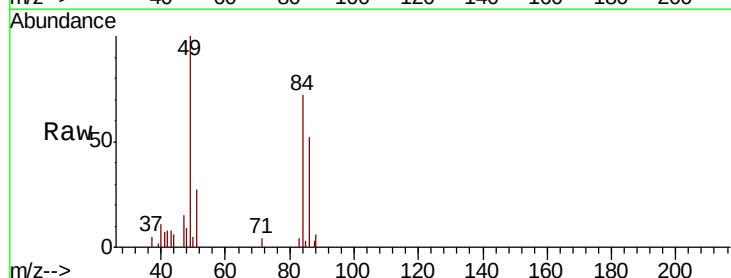
Ion Ratio Lower Upper

84 100

49 138.3 95.5 143.3

51 37.6 29.5 44.3

86 71.8 50.7 76.1

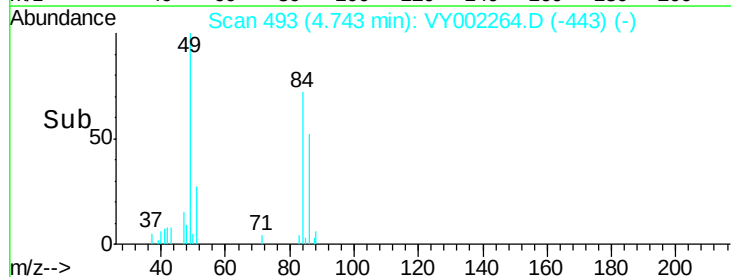
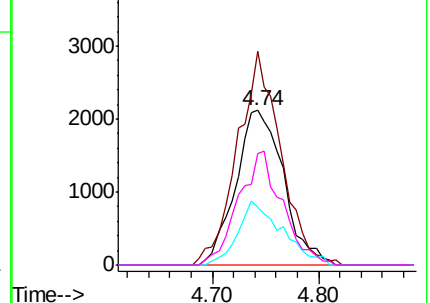


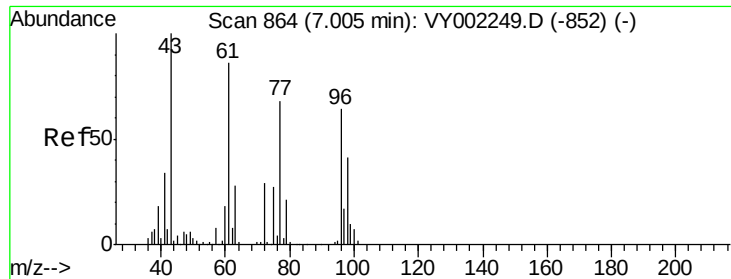
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 3.969 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

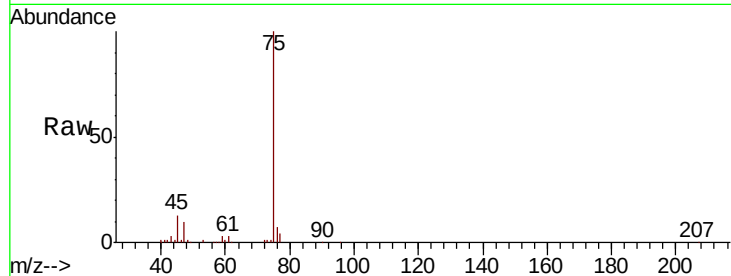
VY0409SBL01

Tot Ion: 43 Resp: 2700

Ion Ratio Lower Upper

43 100

72 16.3 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

800

600

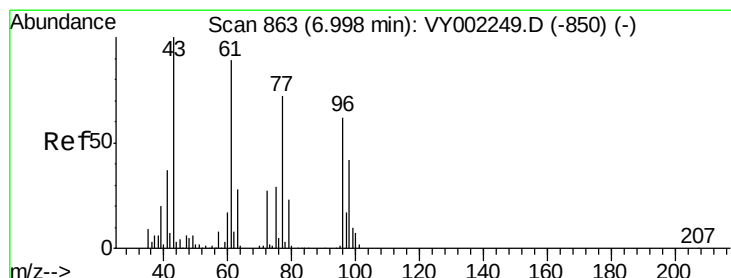
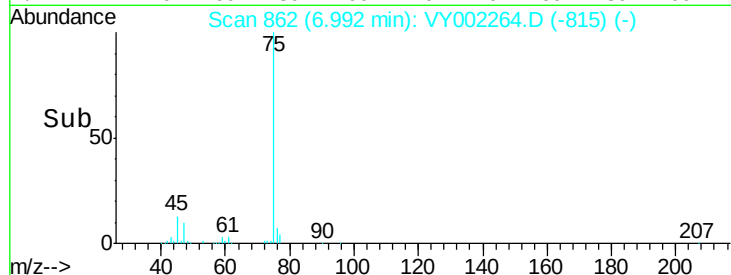
400

200

0

6.90 6.95 7.00 7.05 7.10

Time-->



#26

2,2-Dichloropropane

Concen: 1.203 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY002264.D

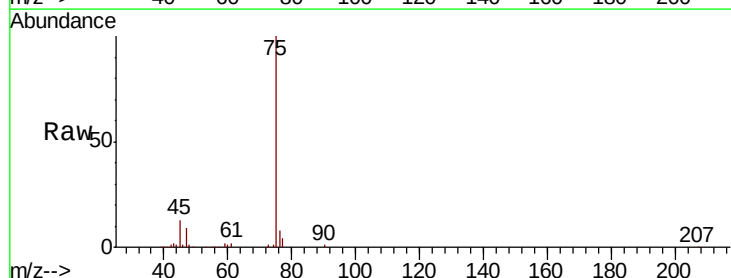
Acq: 09 Apr 2020 10:40

Tgt Ion: 77 Resp: 3295

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.00

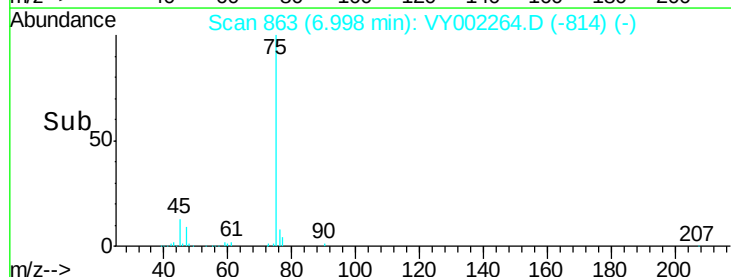
1000

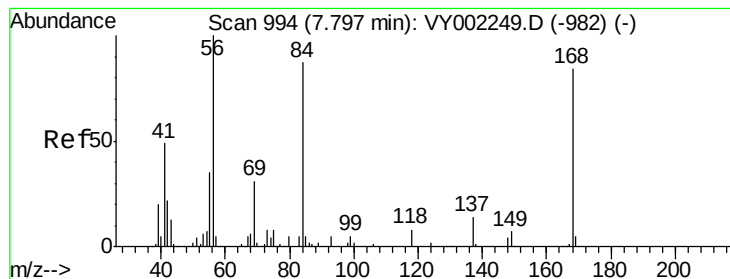
500

0

6.90 6.95 7.00 7.05 7.10

Time-->





#31

Cyclohexane

Concen: 1.008 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0409SBL01

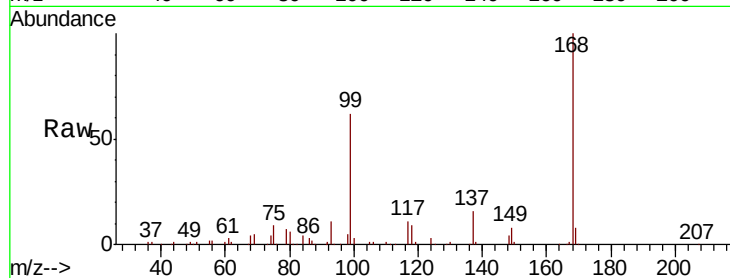
Tot Ion: 56 Resp: 3466

Ion Ratio Lower Upper

56 100

69 195.4 25.0 37.6#

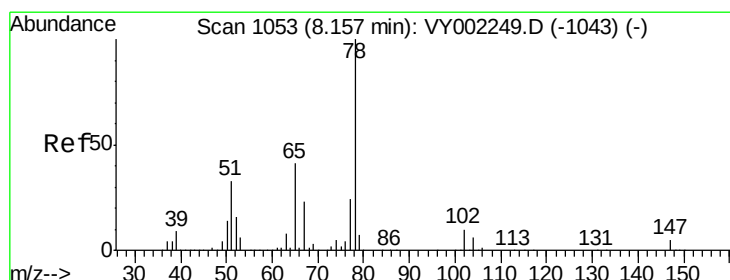
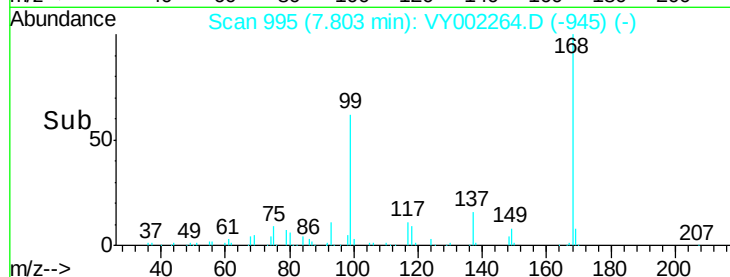
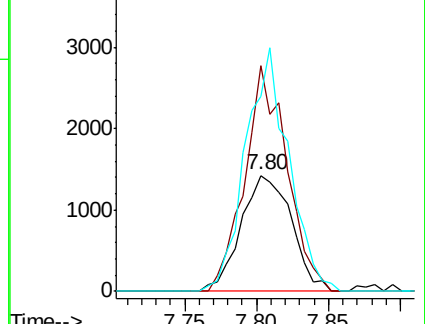
84 168.0 69.7 104.5#



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: 54.734 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002264.D

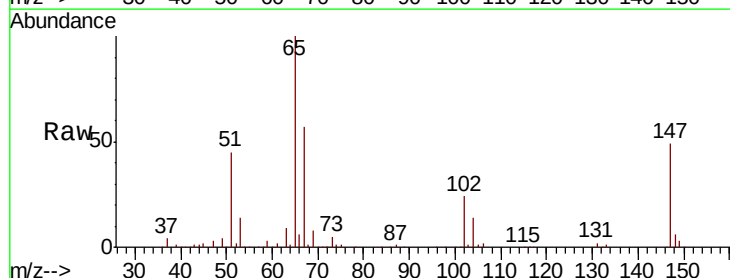
Acq: 09 Apr 2020 10:40

Tgt Ion: 65 Resp: 89320

Ion Ratio Lower Upper

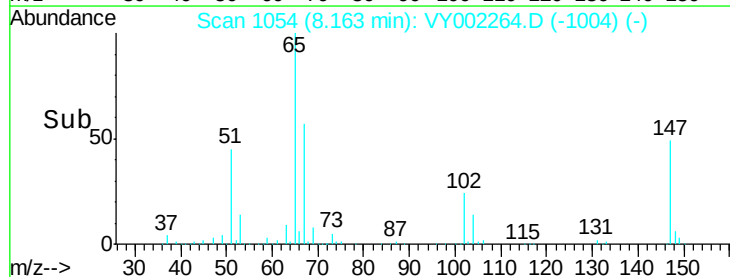
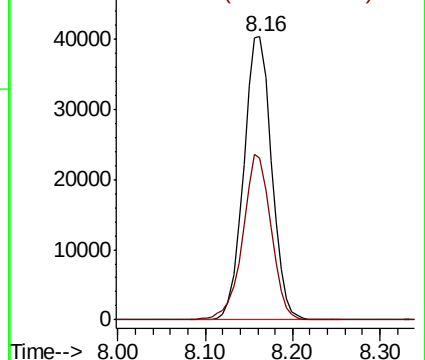
65 100

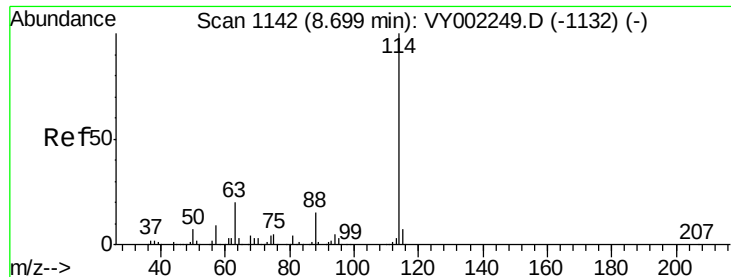
67 59.4 0.0 114.0



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: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0409SBL01

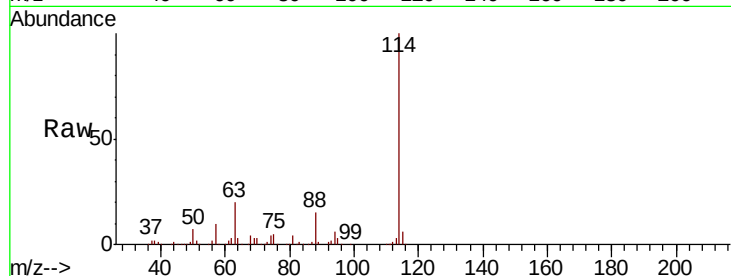
Tot Ion:114 Resp: 289382

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

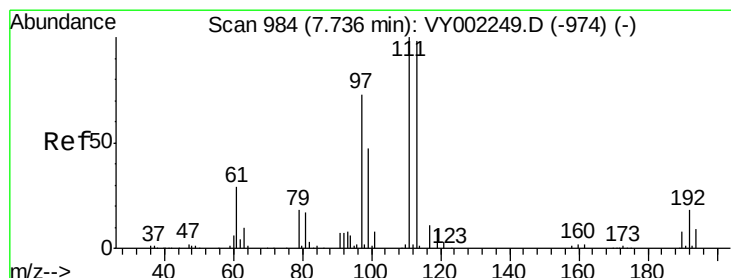
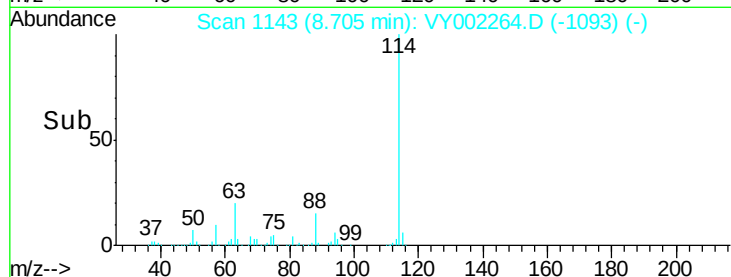
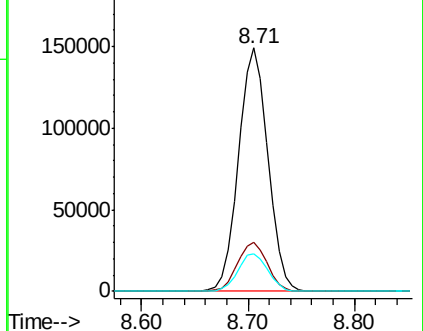
88 15.3 0.0 31.0



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: 50.170 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

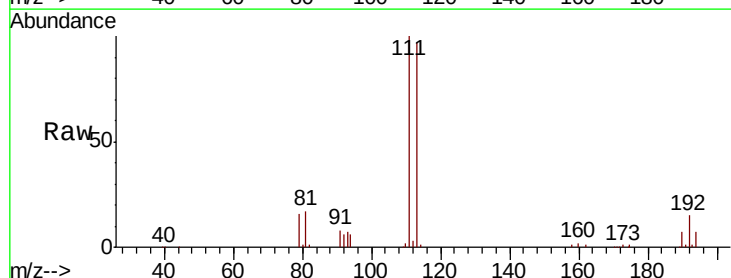
Tgt Ion:113 Resp: 86388

Ion Ratio Lower Upper

113 100

111 104.0 83.5 125.3

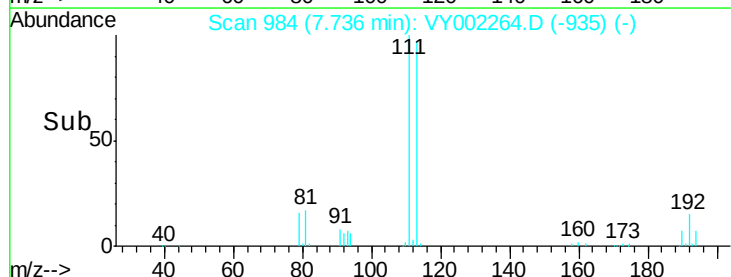
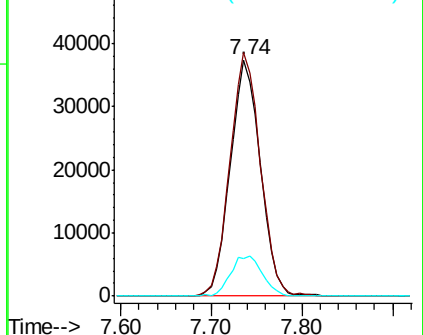
192 17.9 14.7 22.1

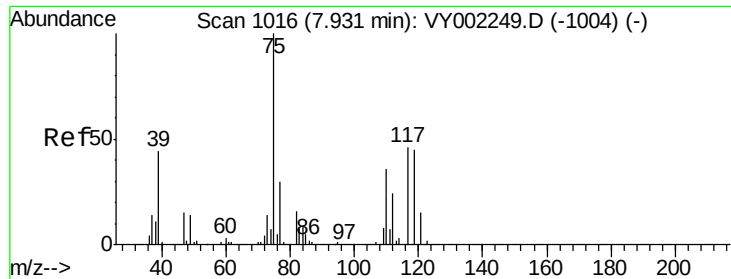


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

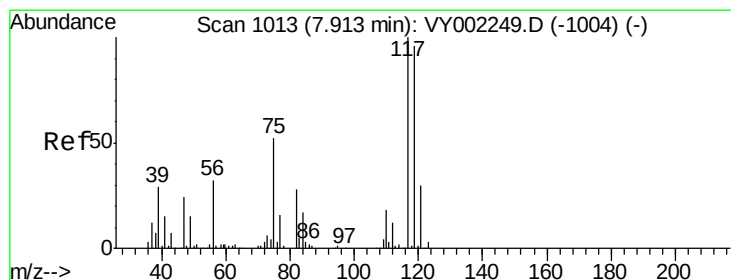
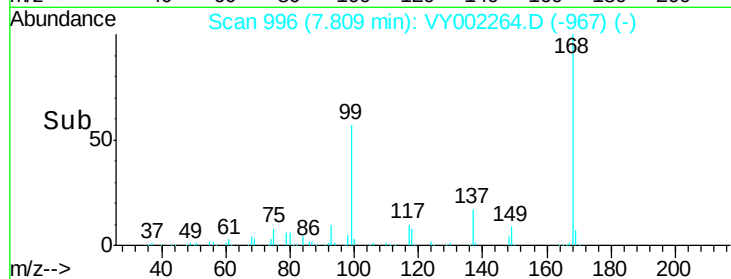
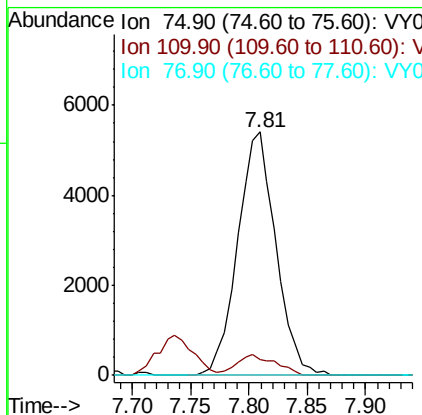
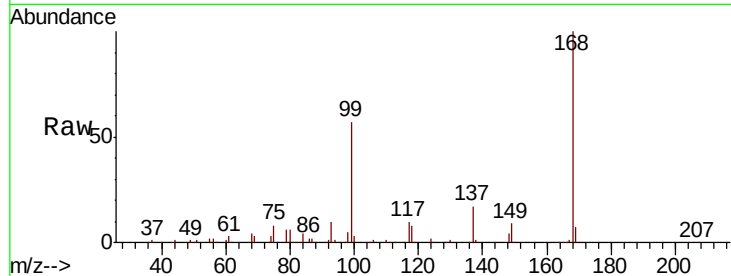




#36
 1,1-Dichloropropene
 Concen: 4.332 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002264.D
 Acq: 09 Apr 2020 10:40

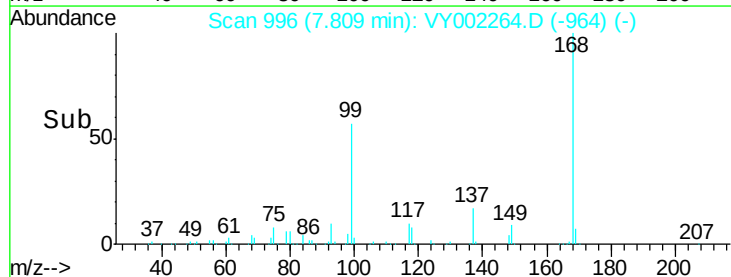
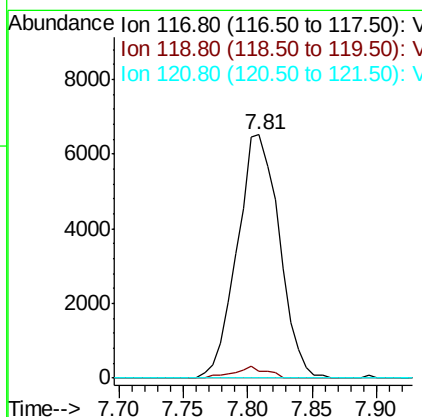
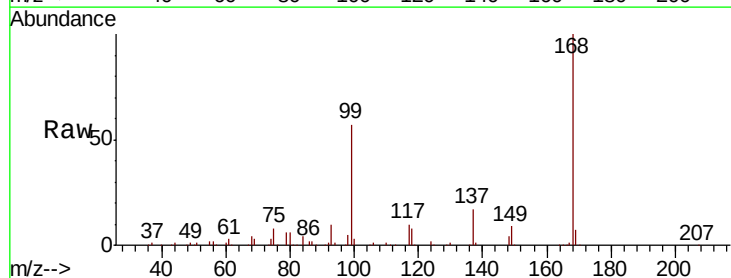
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBL01

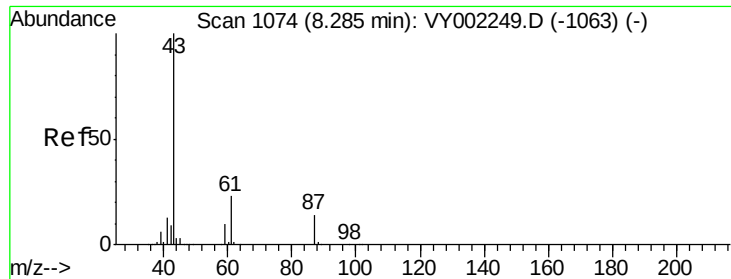
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.071 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY002264.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.8	77.1	115.7#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 1.381 ug/l

RT: 8.13 min Scan# 1048

Delta R.T. -0.16 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0409SBL01

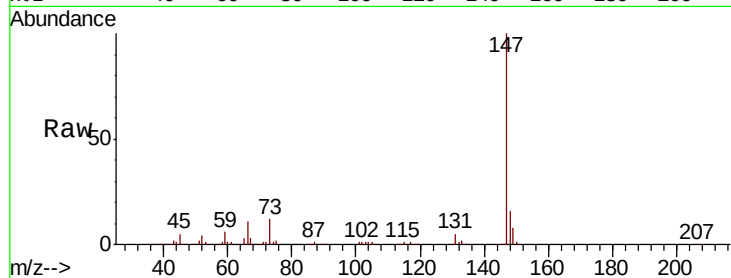
Tot Ion: 43 Resp: 4102

Ion Ratio Lower Upper

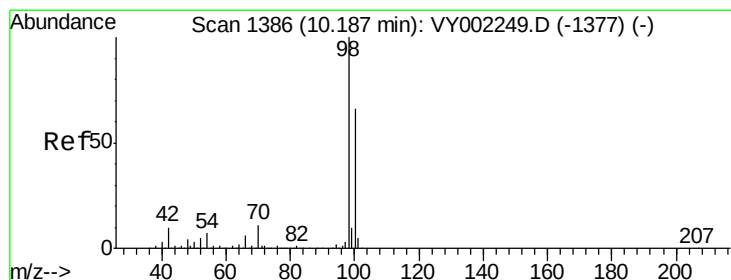
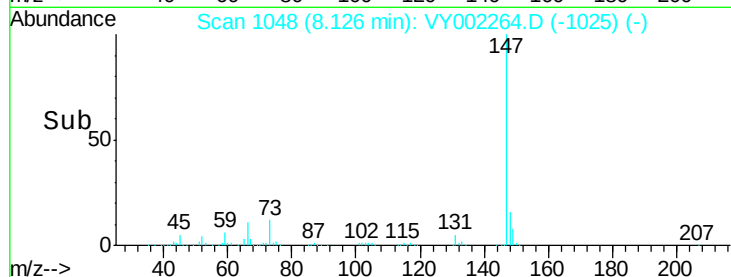
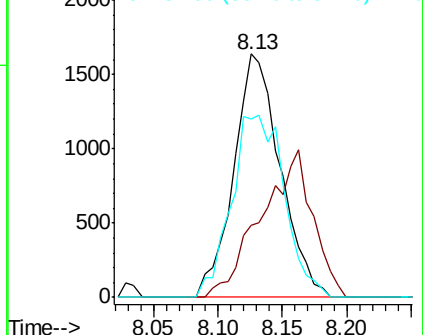
43 100

61 0.0 24.9 37.3#

87 85.4 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0



#50

Toluene-d8

Concen: 49.011 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002264.D

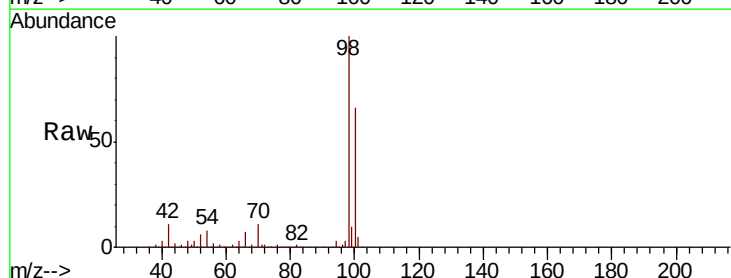
Acq: 09 Apr 2020 10:40

Tgt Ion: 98 Resp: 353234

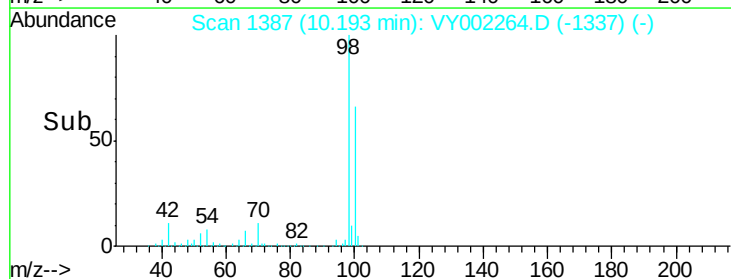
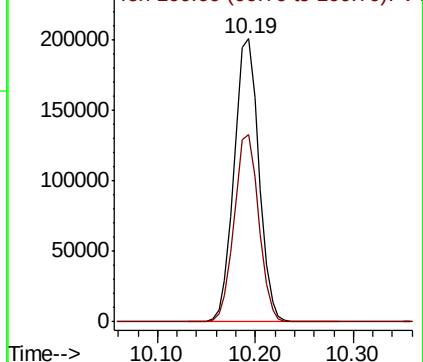
Ion Ratio Lower Upper

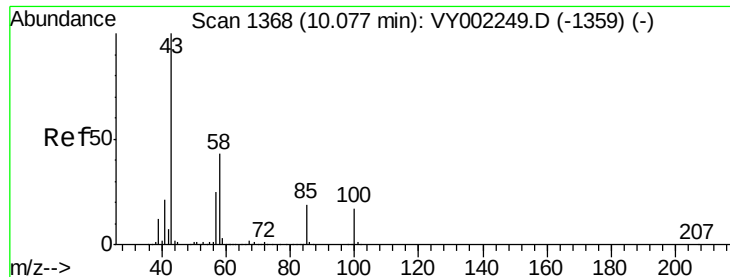
98 100

100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 4.785 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

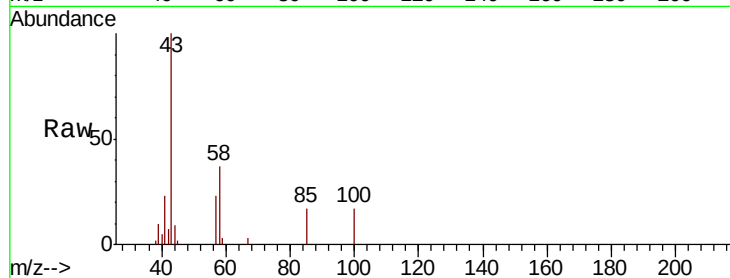
VY0409SBL01

Tot Ion: 43 Resp: 7404

Ion Ratio Lower Upper

43 100

58 38.2 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

4000

3000

2000

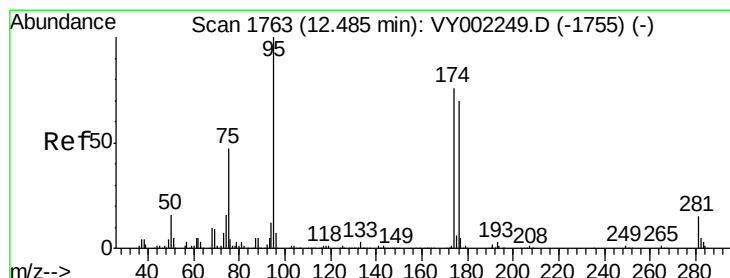
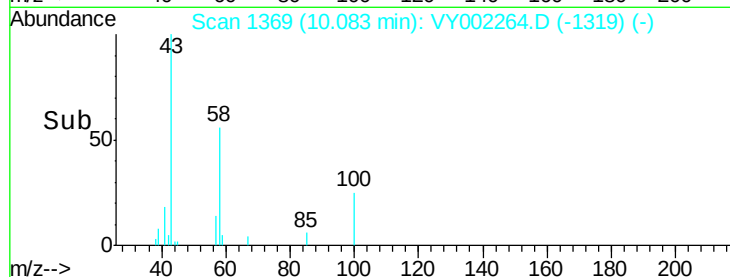
1000

0

Time-->

10.00

10.10



#62

4-Bromofluorobenzene

Concen: 52.576 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

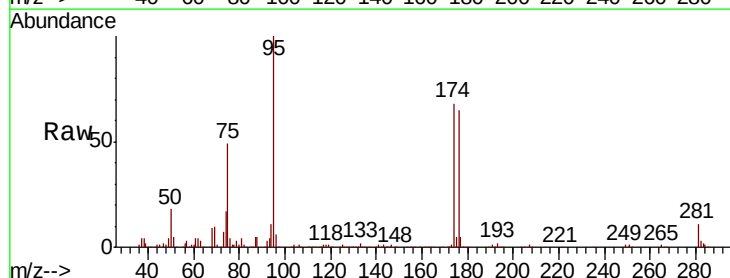
Tgt Ion: 95 Resp: 125013

Ion Ratio Lower Upper

95 100

174 71.7 0.0 150.6

176 68.5 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

100000

80000

60000

40000

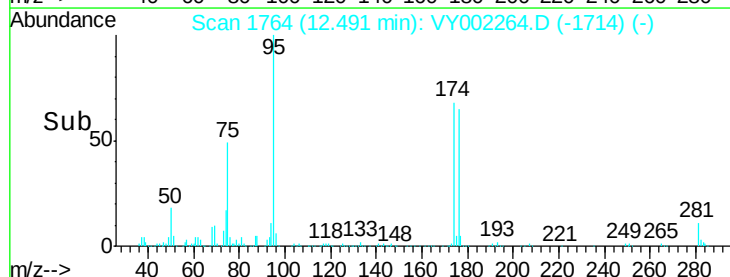
20000

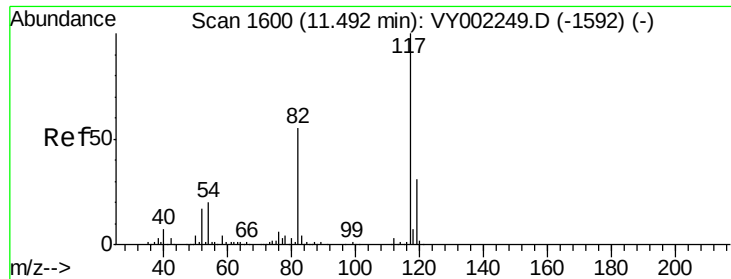
0

Time-->

12.40

12.50

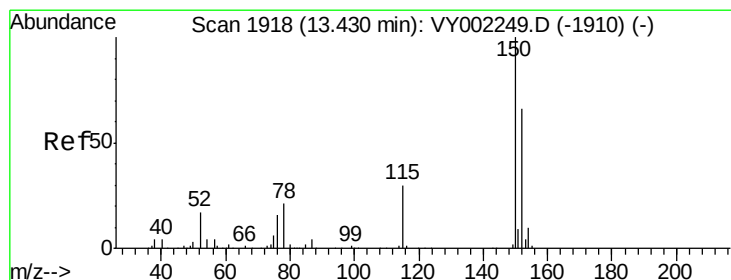
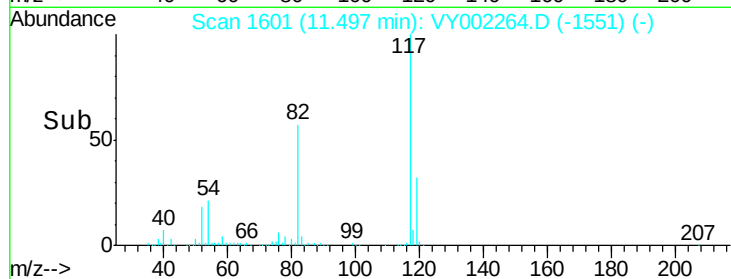
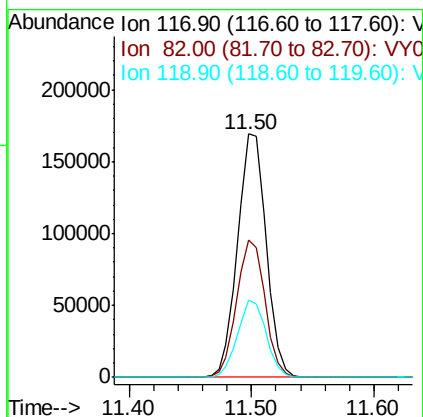
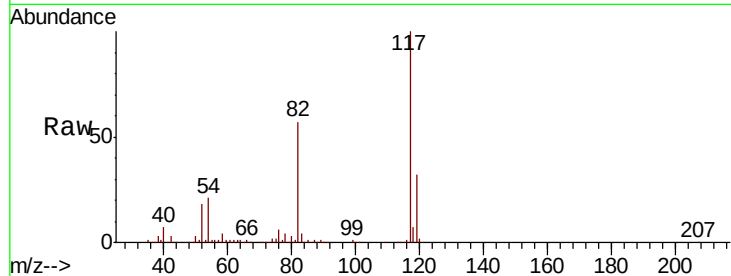




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002264.D
Acq: 09 Apr 2020 10:40

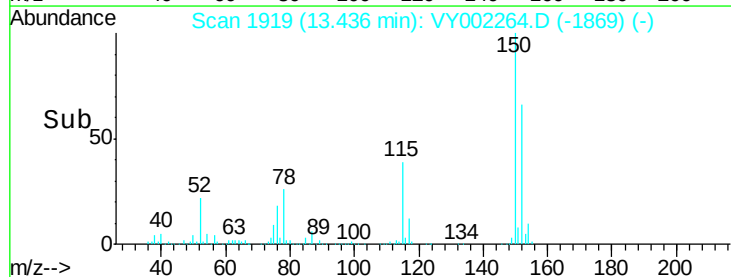
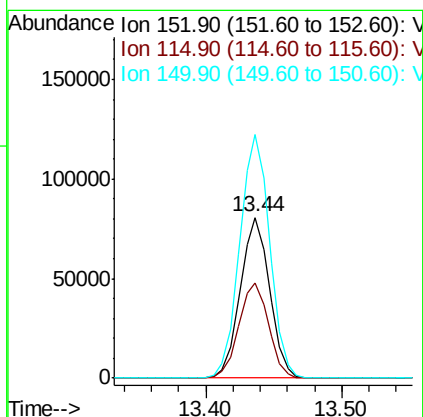
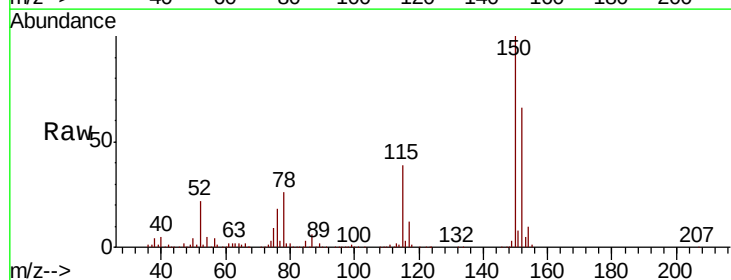
Instrument :
MSVOA_Y
ClientSampleId :
VY0409SBL01

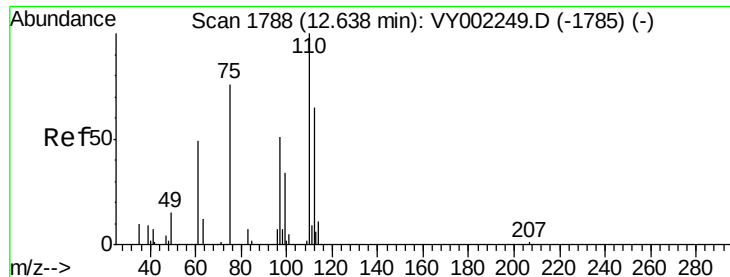
Tot Ion:117 Resp: 274204
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.4
119 31.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002264.D
Acq: 09 Apr 2020 10:40

Tgt Ion:152 Resp: 120965
Ion Ratio Lower Upper
152 100
115 60.3 30.7 92.1
150 154.9 0.0 350.6

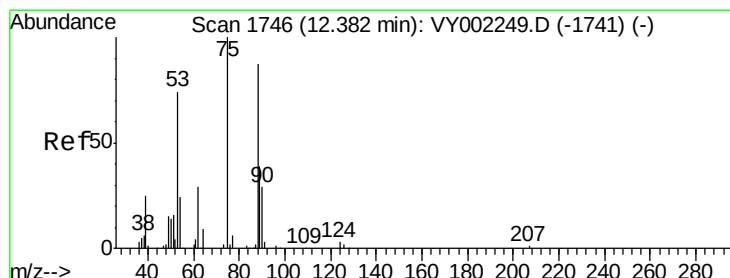
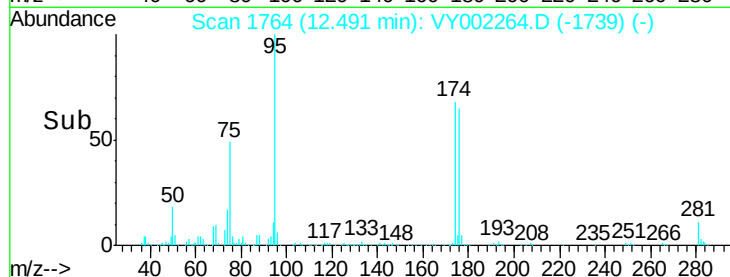
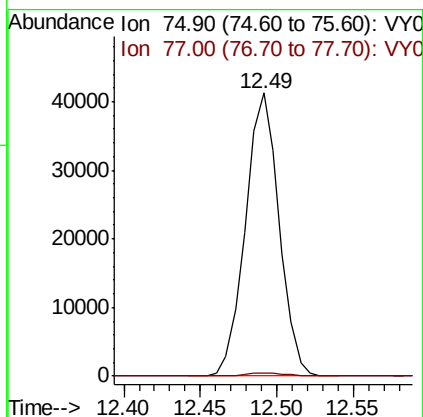
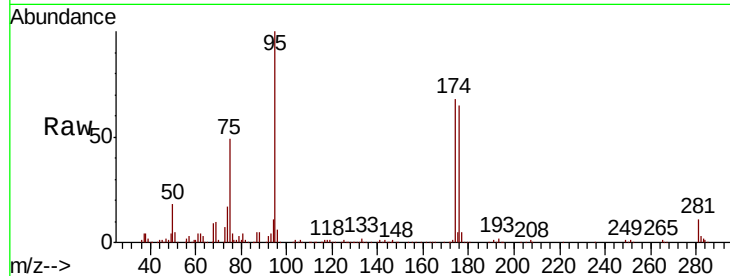




#76
 1,2,3-Trichloropropane
 Concen: 44.845 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY002264.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBL01

Tot Ion: 75 Resp: 62992
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.222 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.11 min
 Lab File: VY002264.D
 Acq: 09 Apr 2020 10:40

Tgt Ion: 75 Resp: 62992
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.8 89.8#
 89 0.3 37.0 55.6#

