

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001609.D
 Acq On : 12 Feb 2020 12:30
 Operator : SY/MD
 Sample : VY0212SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 13 07:43:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	171604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	304910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	122763	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	97729	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	
35) Dibromofluoromethane	7.74	113	91653	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	10.19	98	369176	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
62) 4-Bromofluorobenzene	12.49	95	125711	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

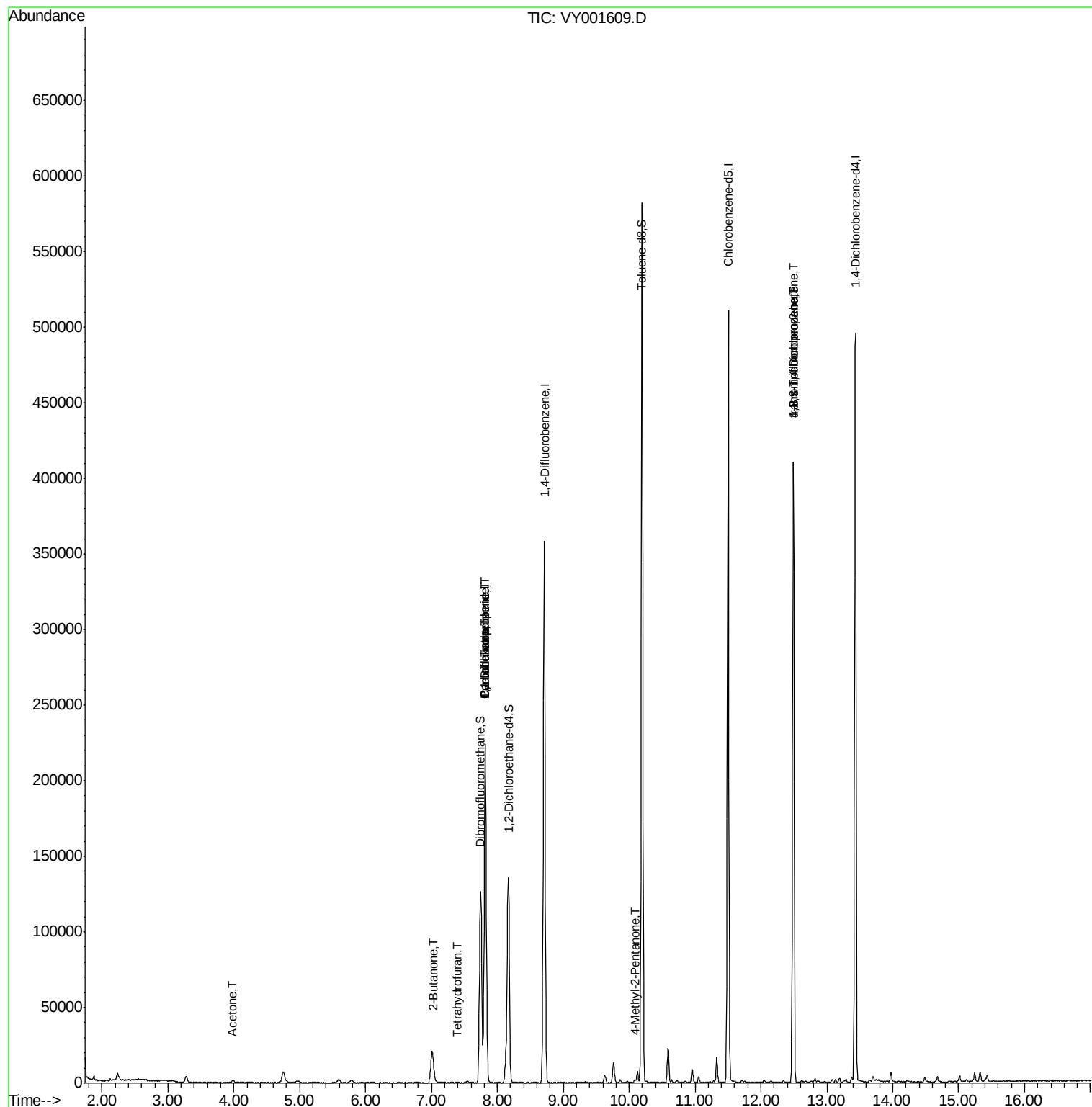
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1207	Below Cal	#	76
16) Acetone	3.98	43	2846	5.694	ug/l #	81
20) Methylene Chloride	4.75	84	4860	Below Cal	#	76
25) 2-Butanone	7.03	43	1859	2.867	ug/l #	45
29) Tetrahydrofuran	7.39	42	394	1.014	ug/l #	39
31) Cyclohexane	7.81	56	4008	1.191	ug/l #	28
36) 1,1-Dichloropropene	7.82	75	14088	5.051	ug/l #	43
38) Carbon Tetrachloride	7.82	117	16605	6.153	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	1370	1.041	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	63807	48.331	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	63807	93.519	ug/l #	16

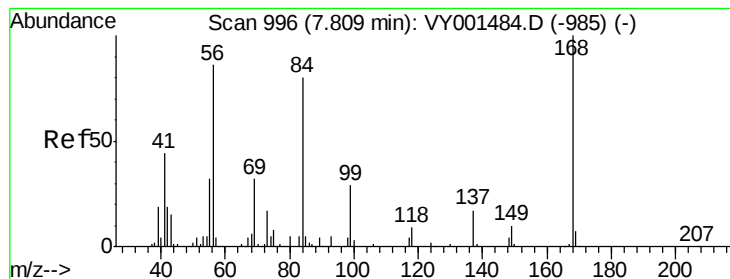
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
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MSVOA_Y
ClientSampleId :

Quant Time: Feb 13 07:43:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

Instrument :

MSVOA_Y

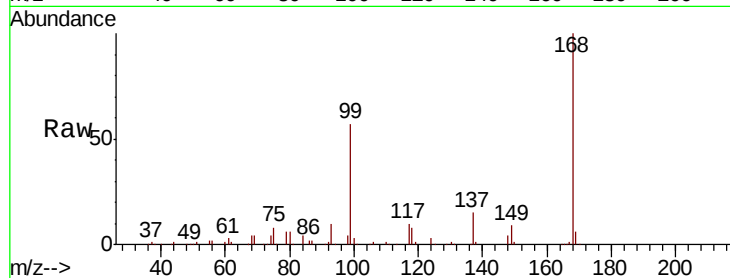
ClientSampleId :

Tot Ion:168 Resp: 171604

Ion Ratio Lower Upper

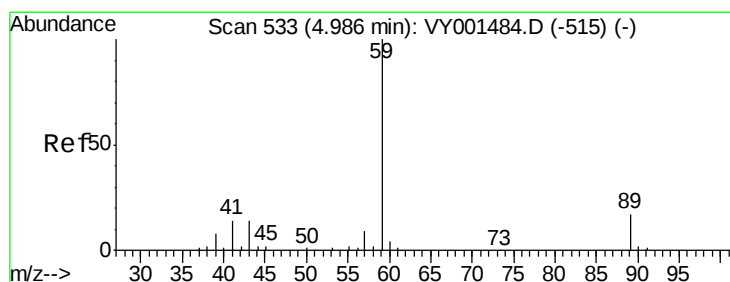
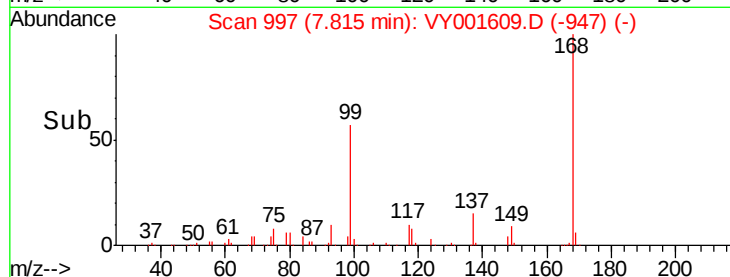
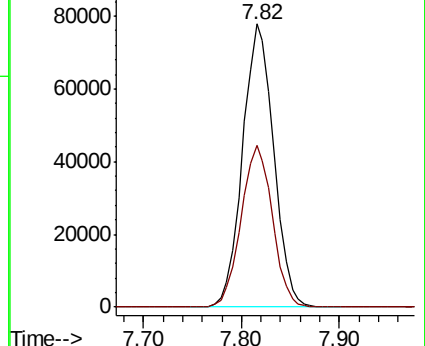
168 100

99 57.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001609.D

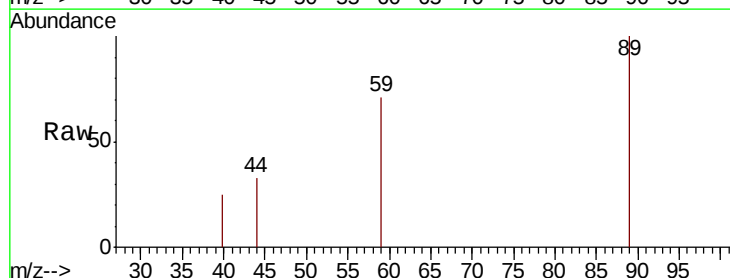
Acq: 12 Feb 2020 12:30

Tgt Ion: 59 Resp: 1207

Ion Ratio Lower Upper

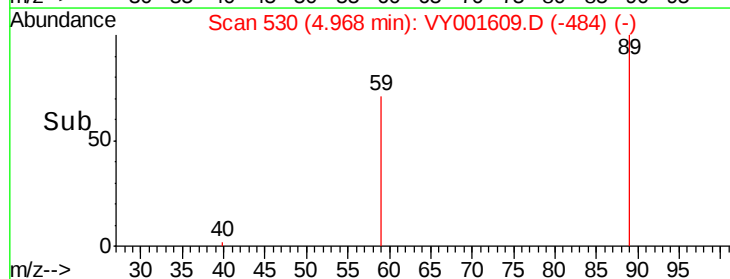
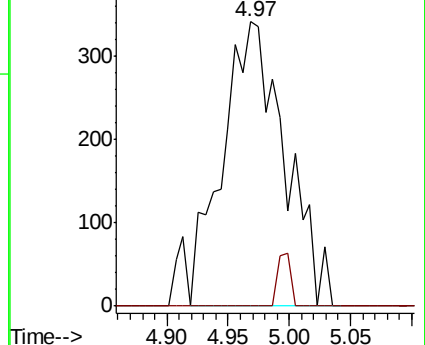
59 100

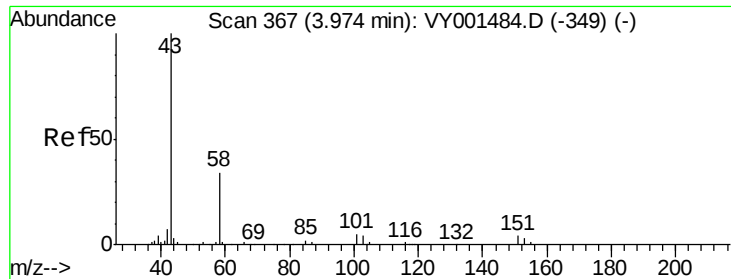
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)





#16

Acetone

Concen: 5.694 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

Instrument :

MSVOA_Y

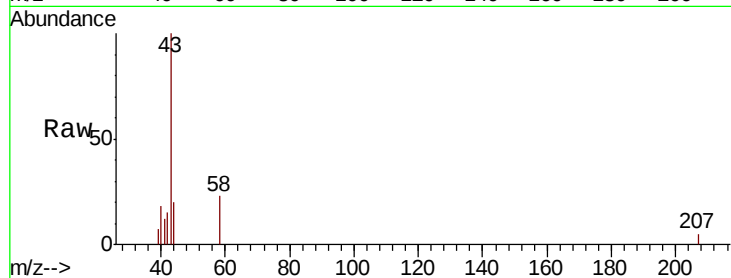
ClientSampled :

Tot Ion: 43 Resp: 2846

Ion Ratio Lower Upper

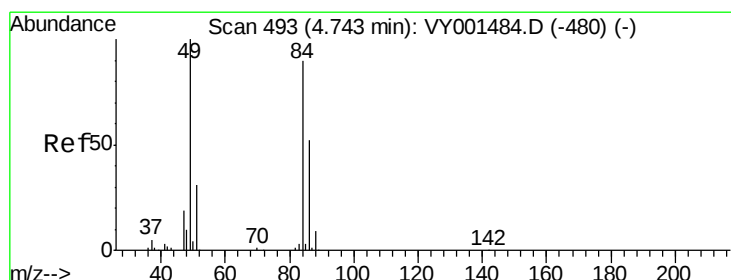
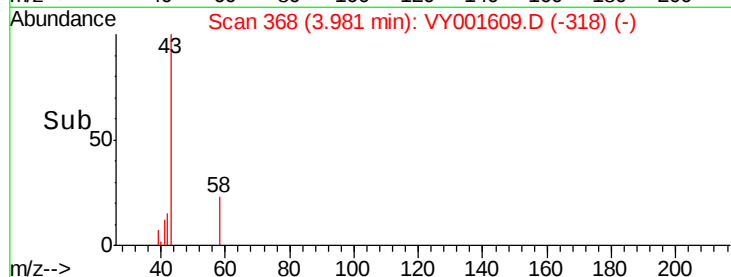
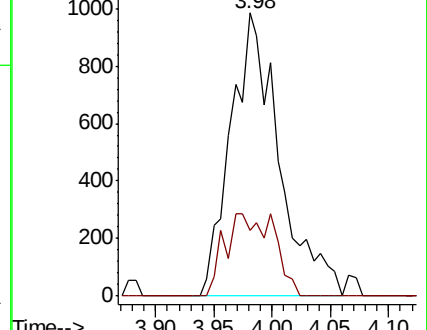
43 100

58 23.2 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY001609.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VY001609.D (-368) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

Tgt Ion: 84 Resp: 4860

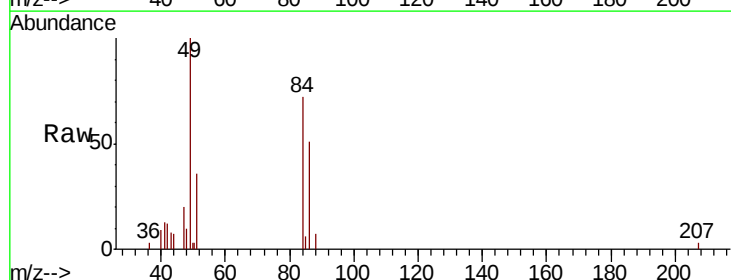
Ion Ratio Lower Upper

84 100

49 139.2 89.0 133.6#

51 50.0 27.4 41.2#

86 71.7 46.6 70.0#

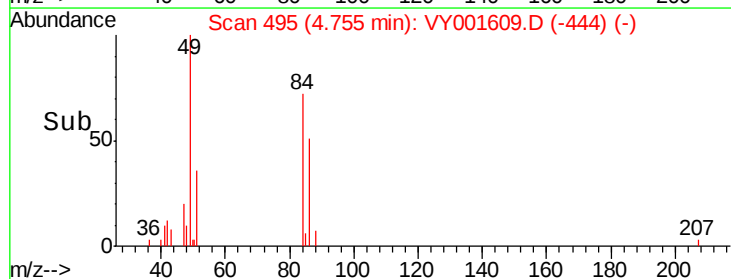
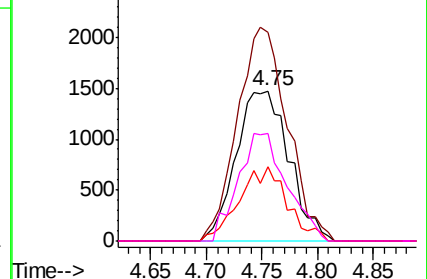


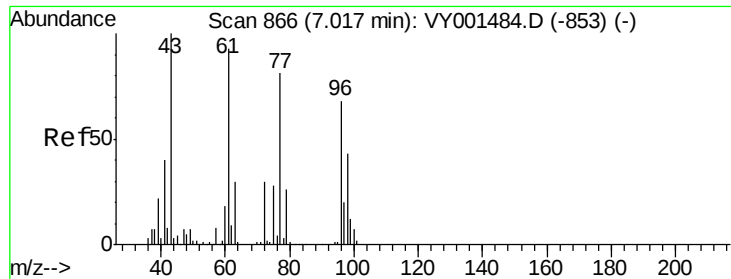
Abundance Ion 83.90 (83.60 to 84.60): VY001609.D (-495) (-)

Ion 48.90 (48.60 to 49.60): VY001609.D (-495) (-)

Ion 50.90 (50.60 to 51.60): VY001609.D (-495) (-)

Ion 85.90 (85.60 to 86.60): VY001609.D (-495) (-)





#25

2-Butanone

Concen: 2.867 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

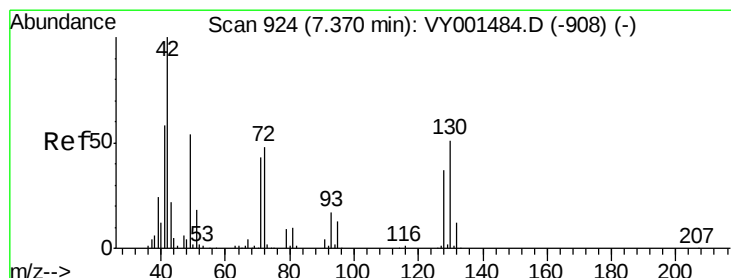
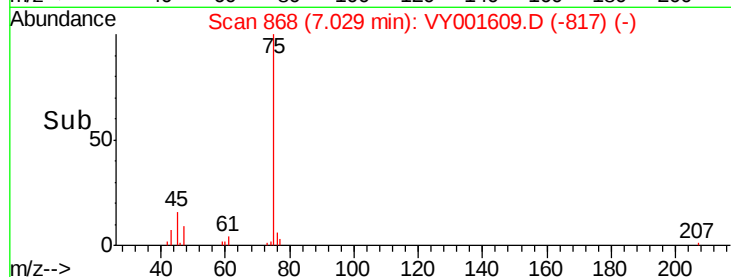
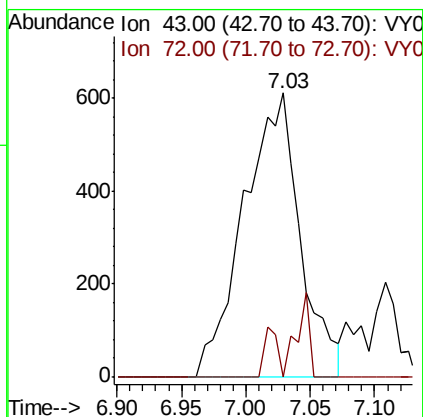
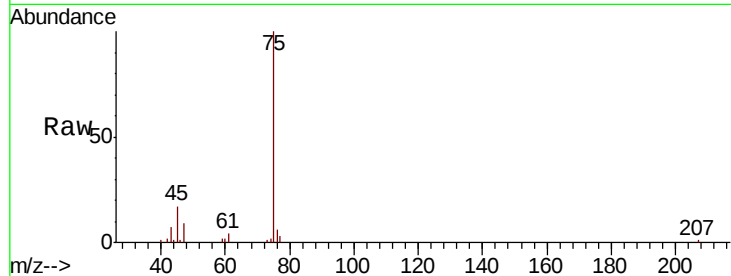
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.8#



#29

Tetrahydrofuran

Concen: 1.014 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.02 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

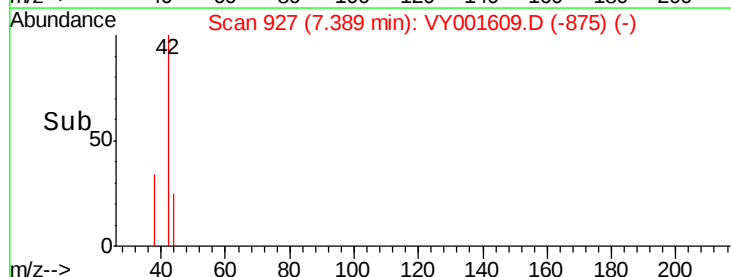
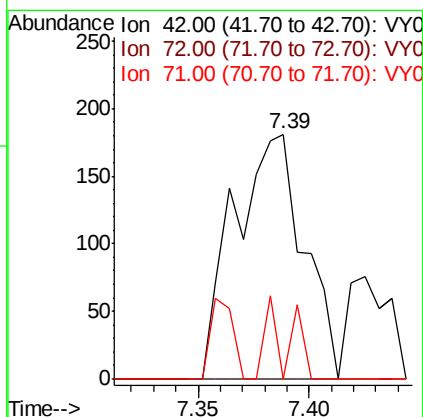
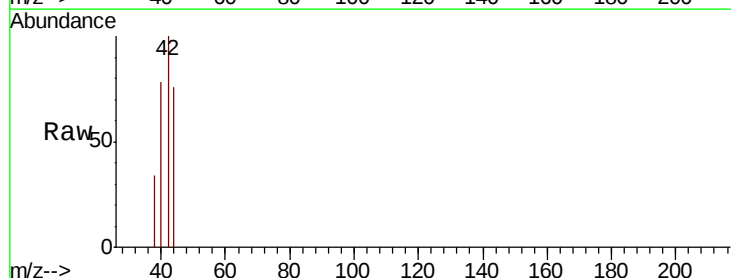
Tgt Ion: 42 Resp: 394

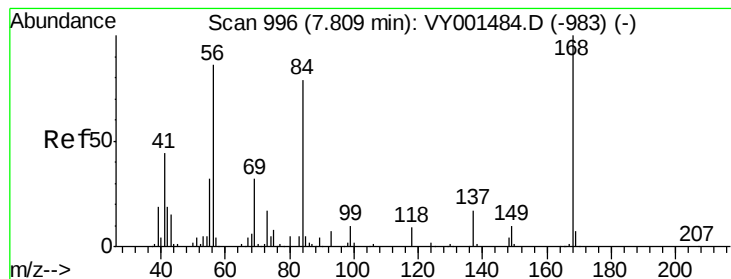
Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 10.7 34.8 52.2#





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

Instrument :
MSVOA_Y
ClientSampleId :

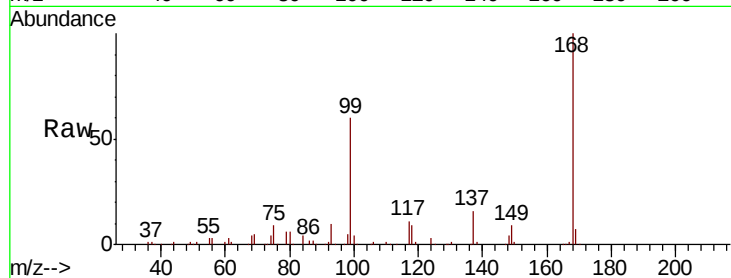
Tot Ion: 56 Resp: 4008

Ion Ratio Lower Upper

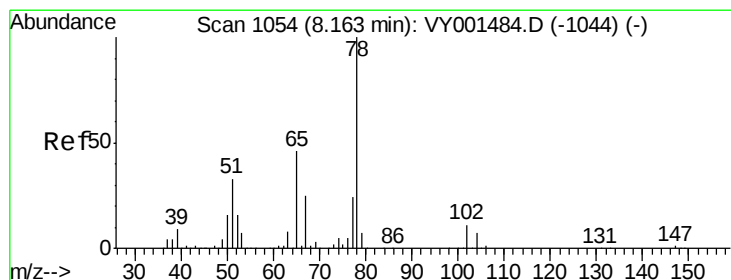
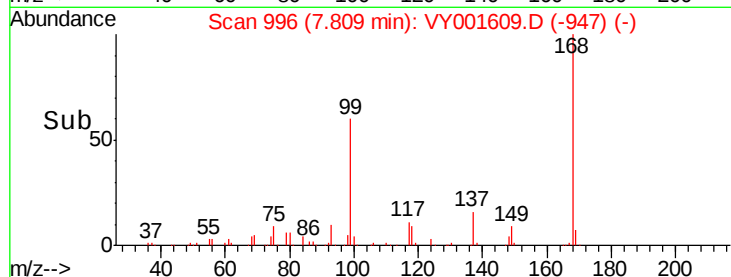
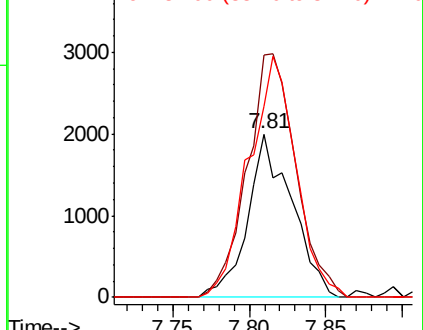
56 100

69 148.3 29.6 44.4#

84 116.7 73.6 110.4#



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: 56.563 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001609.D

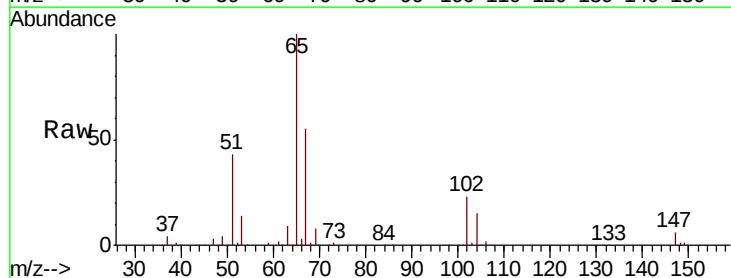
Acq: 12 Feb 2020 12:30

Tgt Ion: 65 Resp: 97729

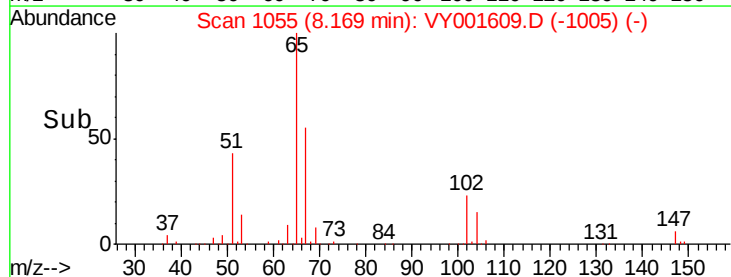
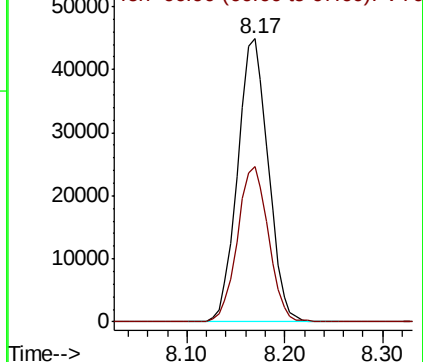
Ion Ratio Lower Upper

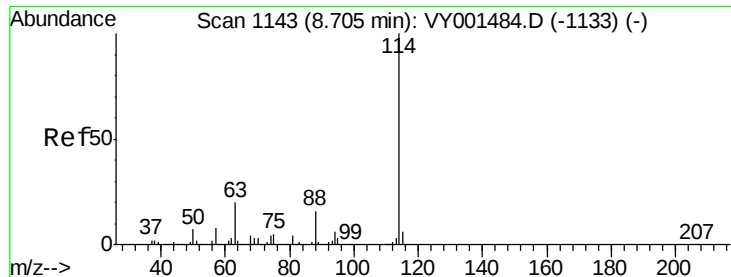
65 100

67 55.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

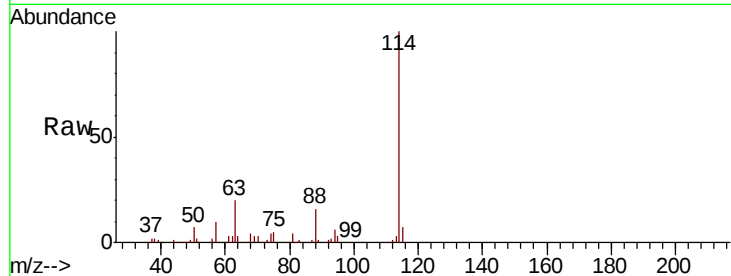




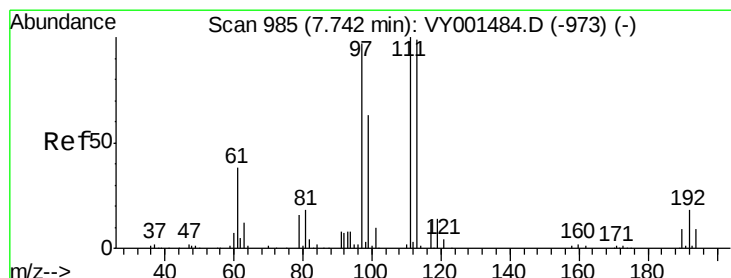
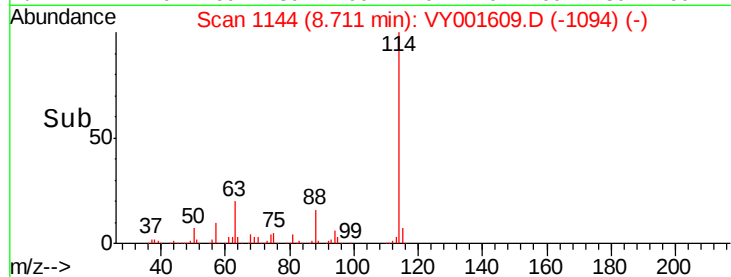
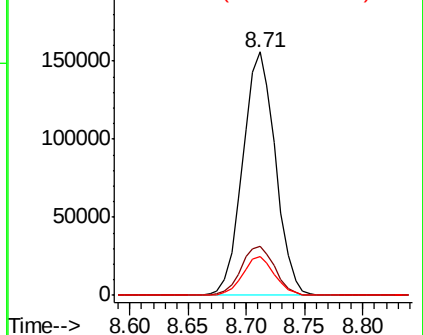
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001609.D
 Acq: 12 Feb 2020 12:30

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.8
88	16.1	0.0	32.6

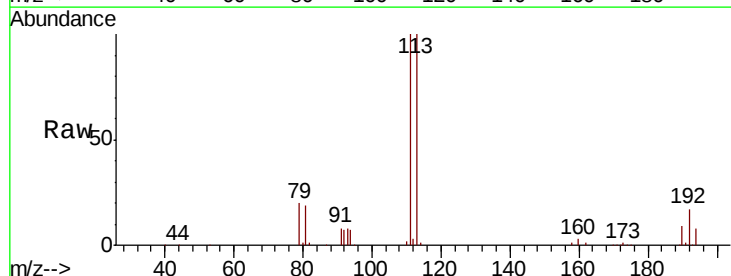


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

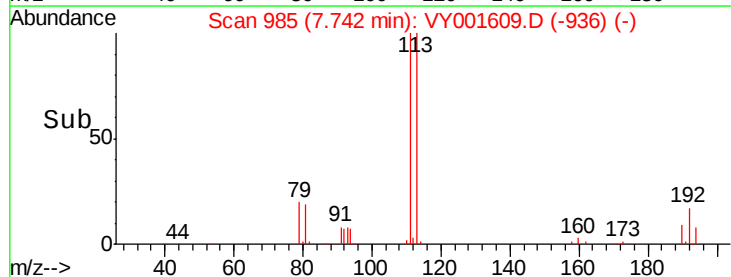
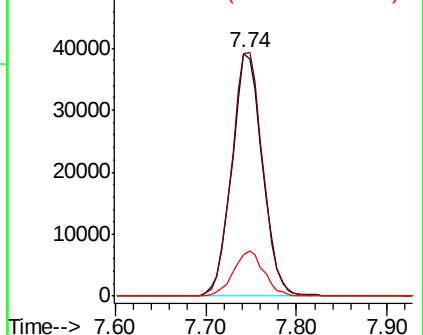


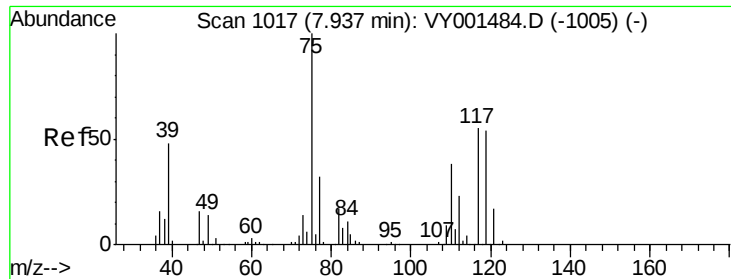
#35
 Dibromofluoromethane
 Concen: 52.127 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001609.D
 Acq: 12 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.9	124.3
192	18.5	14.6	22.0



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

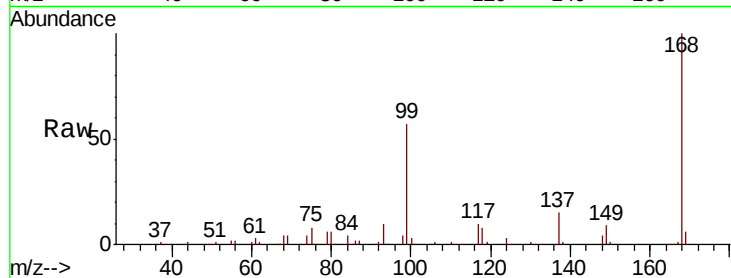




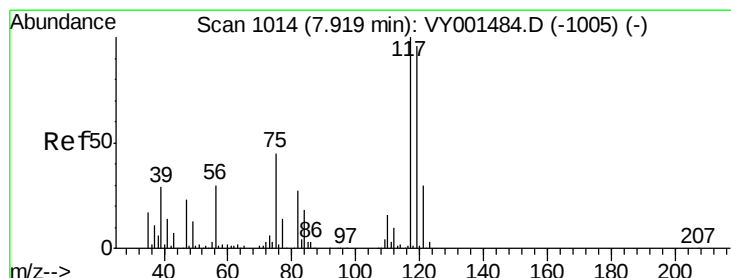
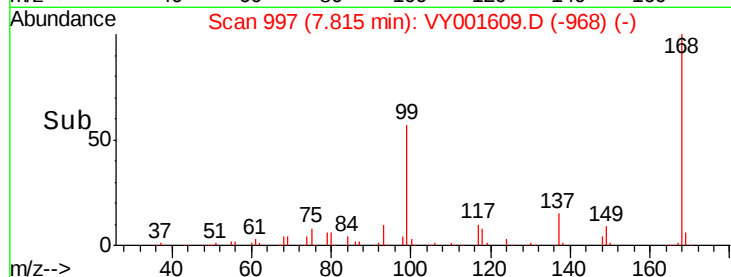
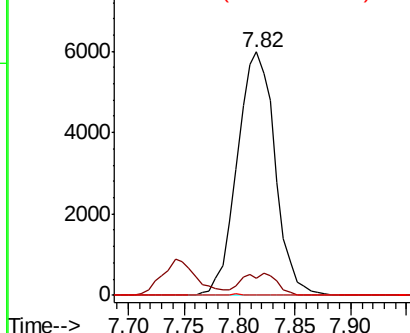
#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001609.D
 Acq: 12 Feb 2020 12:30

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	2.9	18.2	54.6#
77	0.1	25.0	37.4#

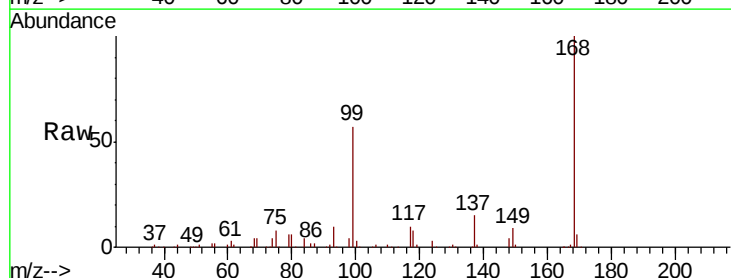


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

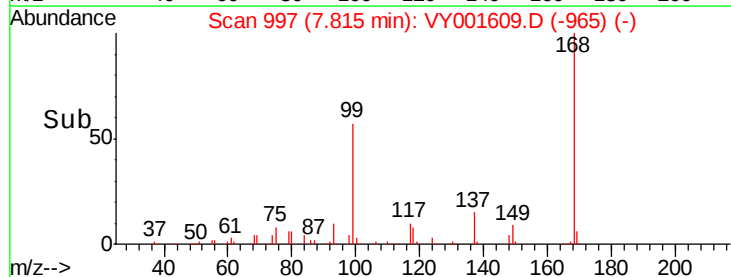
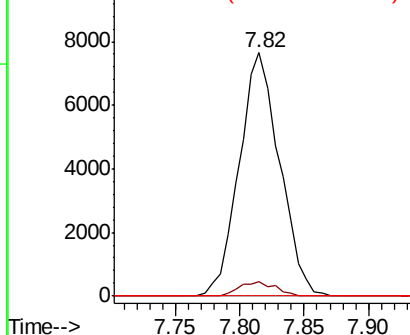


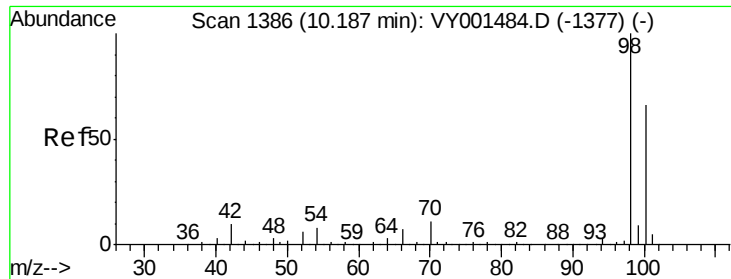
#38
 Carbon Tetrachloride
 Concen: 6.153 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY001609.D
 Acq: 12 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.4	114.6#
121	0.0	24.2	36.4#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 55.496 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

Instrument :

MSVOA_Y

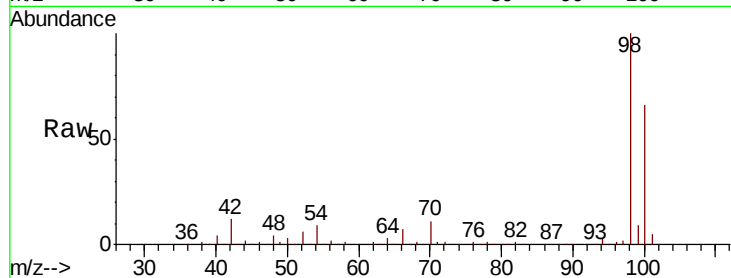
ClientSampled :

Tot Ion: 98 Resp: 369176

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001484.D (-1377) (-)

10.19

250000

200000

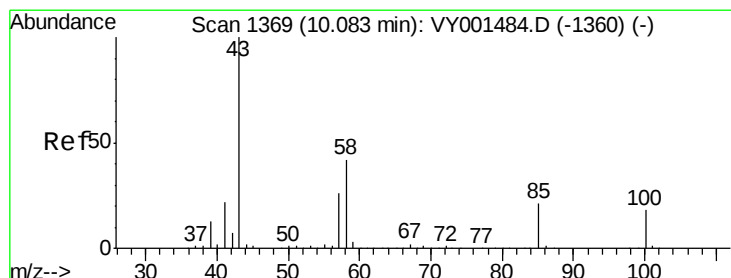
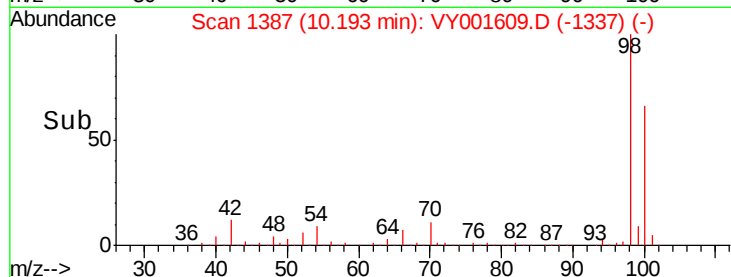
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.041 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001609.D

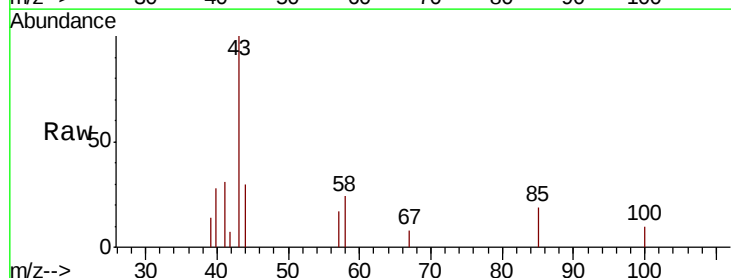
Acq: 12 Feb 2020 12:30

Tgt Ion: 43 Resp: 1370

Ion Ratio Lower Upper

43 100

58 41.2 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VY001484.D (-1360) (-)

10.08

800

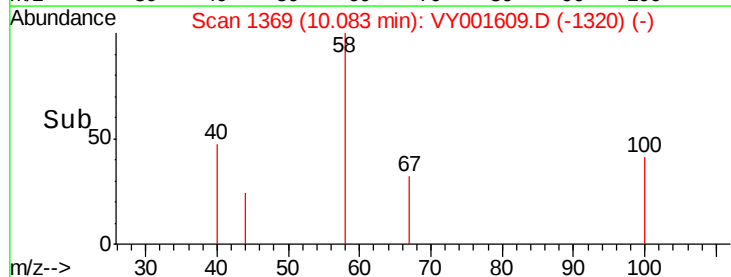
600

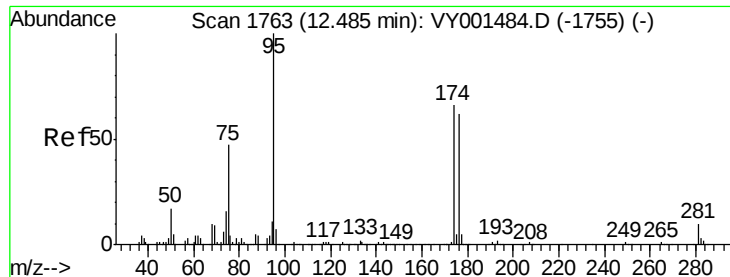
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.970 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

Instrument :

MSVOA_Y

ClientSampled :

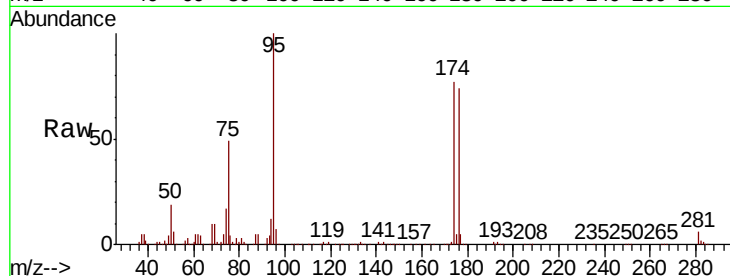
Tot Ion: 95 Resp: 125711

Ion Ratio Lower Upper

95 100

174 75.5 0.0 141.4

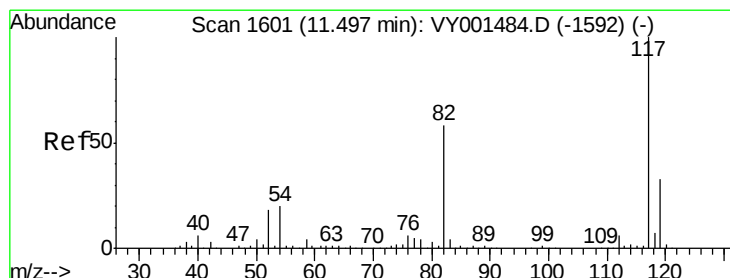
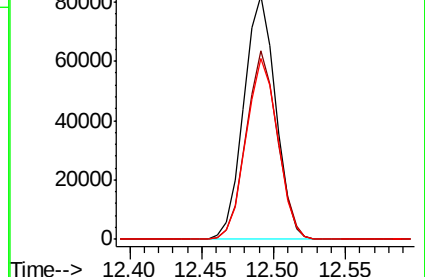
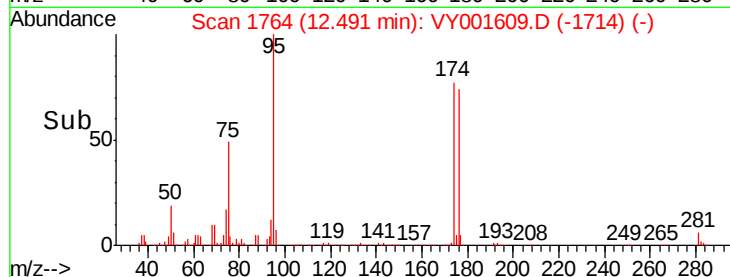
176 73.6 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY001609.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001609.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001609.D (-1714) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

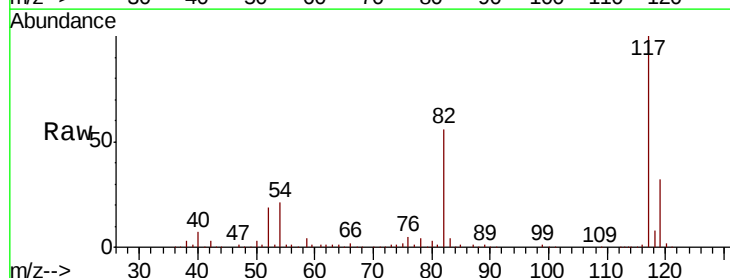
Tgt Ion: 117 Resp: 276008

Ion Ratio Lower Upper

117 100

82 56.4 46.1 69.1

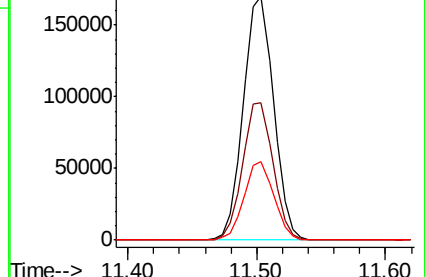
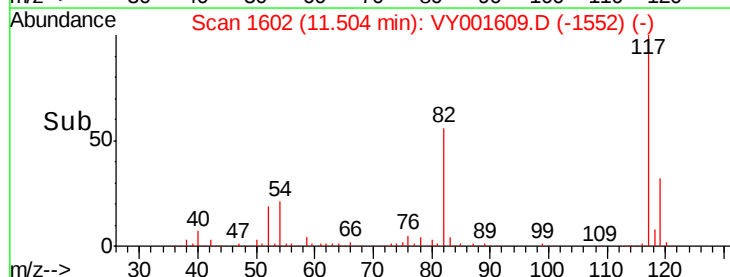
119 32.1 26.1 39.1

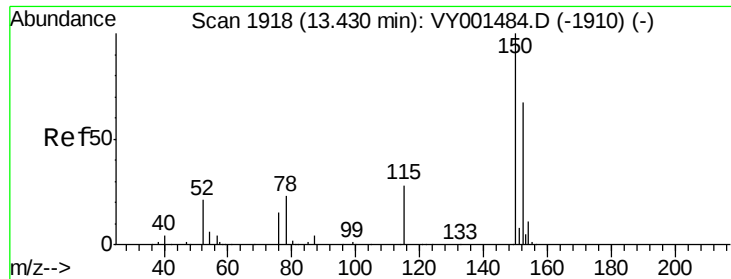


Abundance Ion 116.90 (116.60 to 117.60): VY001609.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY001609.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001609.D (-1552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001609.D

Acq: 12 Feb 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

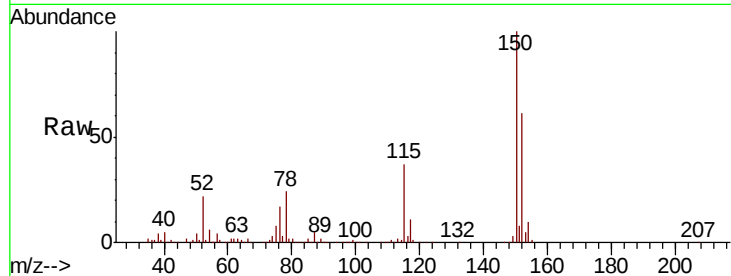
Tot Ion:152 Resp: 122763

Ion Ratio Lower Upper

152 100

115 60.3 31.4 94.3

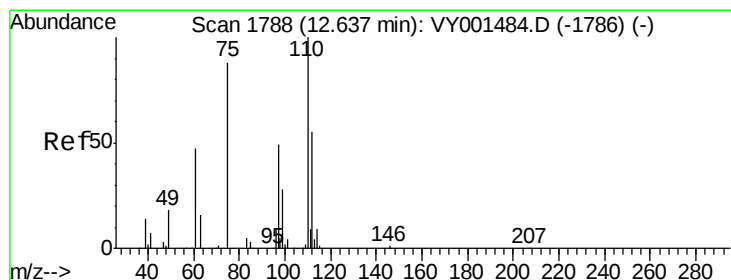
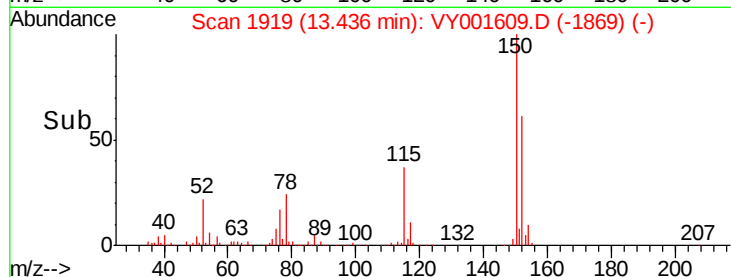
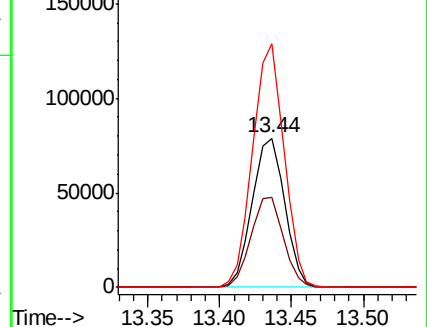
150 158.4 0.0 346.8



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: 48.331 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001609.D

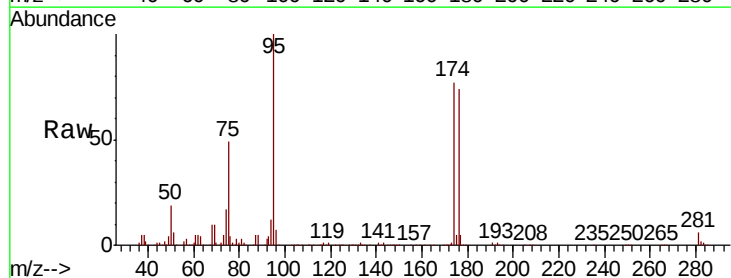
Acq: 12 Feb 2020 12:30

Tgt Ion: 75 Resp: 63807

Ion Ratio Lower Upper

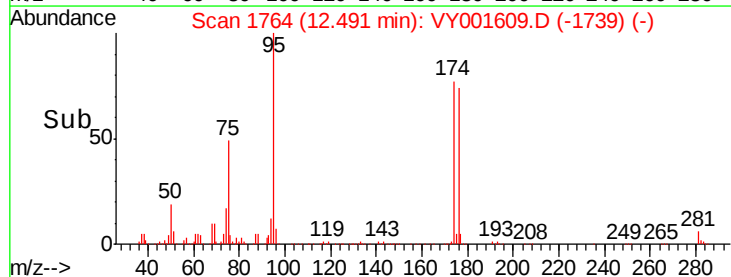
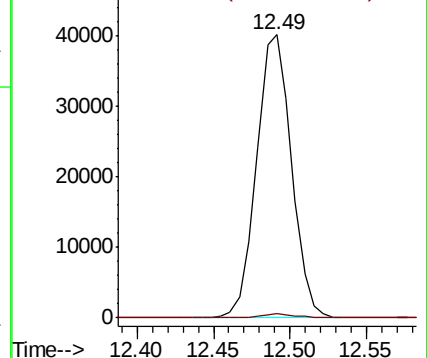
75 100

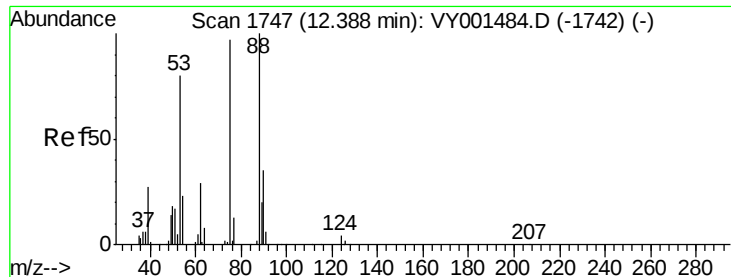
77 1.4 0.0 0.0#



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: 93.519 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001609.D
 Acq: 12 Feb 2020 12:30

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 63807
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.1 34.6 52.0#

