

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001885.D
 Acq On : 05 Mar 2020 16:27
 Operator : SY/MD
 Sample : L1783-02RE
 Misc : 5.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:39:03 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	7.82	168	128016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	242504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	171992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	37461	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	81098	59.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.68%	
35) Dibromofluoromethane	7.74	113	75392	56.93	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	113.86%	
50) Toluene-d8	10.19	98	282234	50.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.49	95	54395	28.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	56.04%	

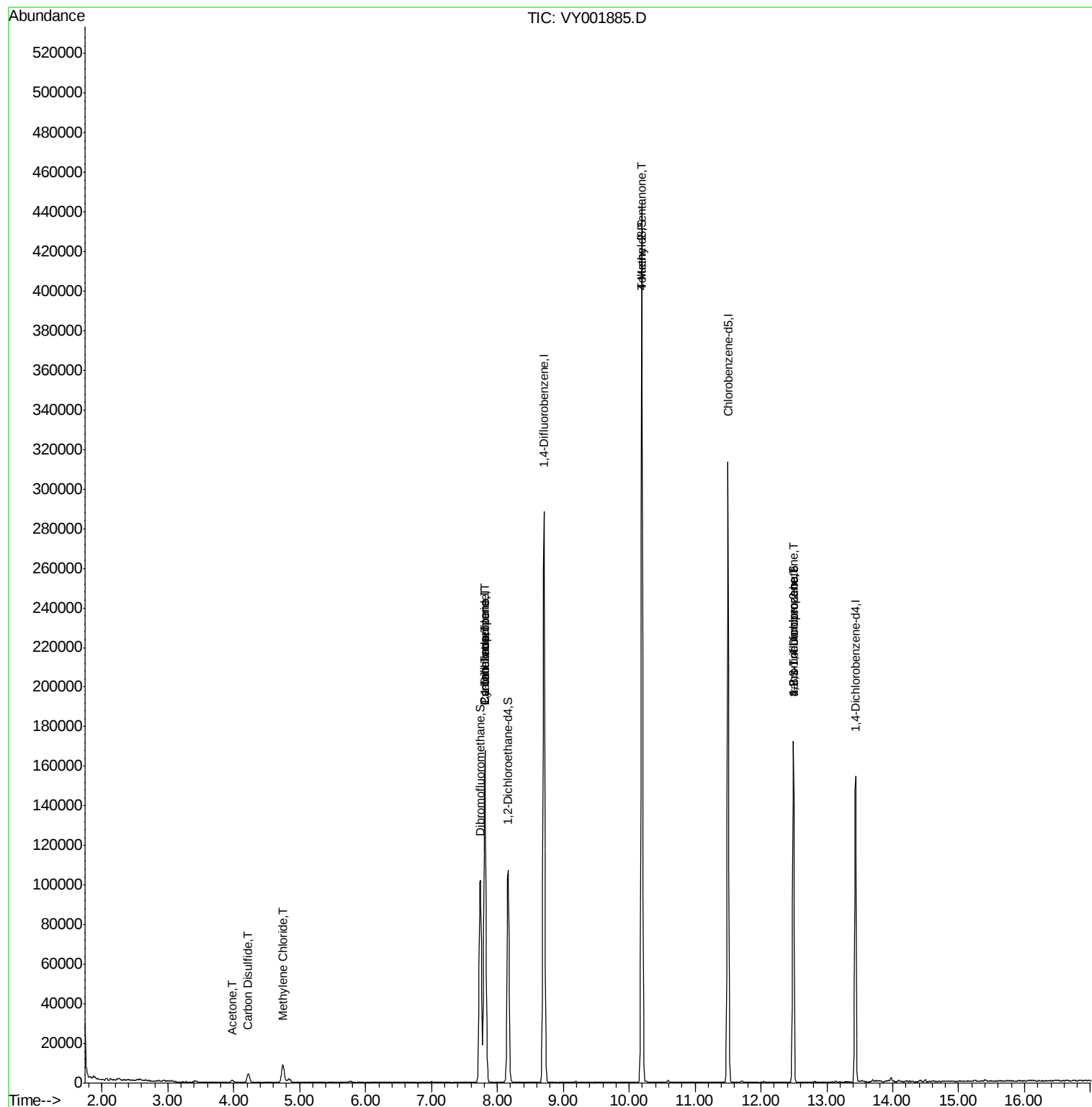
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	21	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	20	Below Cal	#	74
16) Acetone	3.97	43	2010	5.050	ug/l	89
17) Carbon Disulfide	4.22	76	9141	1.910	ug/l	96
20) Methylene Chloride	4.74	84	6016	3.526	ug/l	91
31) Cyclohexane	7.82	56	3099	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	11040	4.731	ug/l #	50
38) Carbon Tetrachloride	7.82	117	13574	6.809	ug/l #	15
51) 4-Methyl-2-Pentanone	10.19	43	1336	1.010	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	28005	63.003	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	28005	127.264	ug/l #	17

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

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001885.D

Acq: 05 Mar 2020 16:27

Instrument :

MSVOA_Y

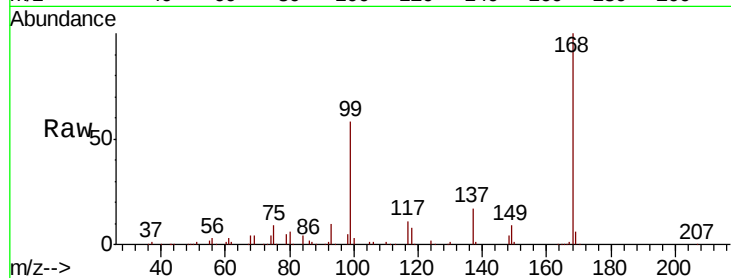
ClientSampleId :

Tot Ion:168 Resp: 128016

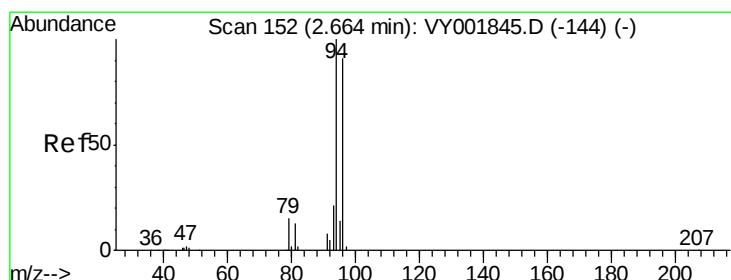
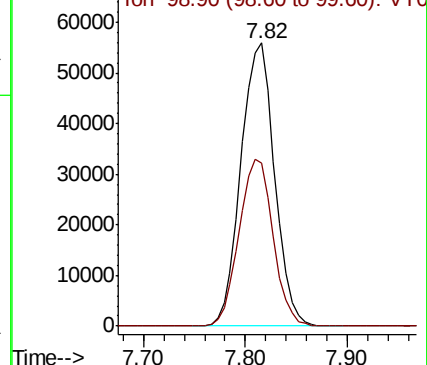
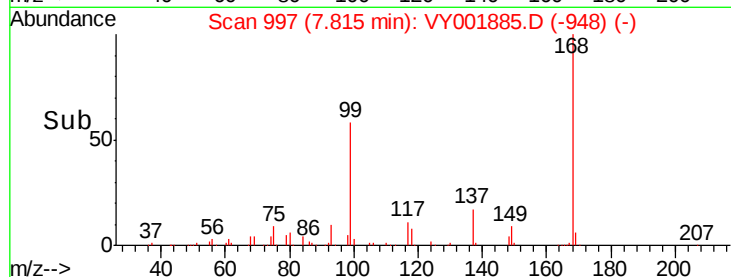
Ion Ratio Lower Upper

168 100

99 57.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001885.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 136

Delta R.T. -0.10 min

Lab File: VY001885.D

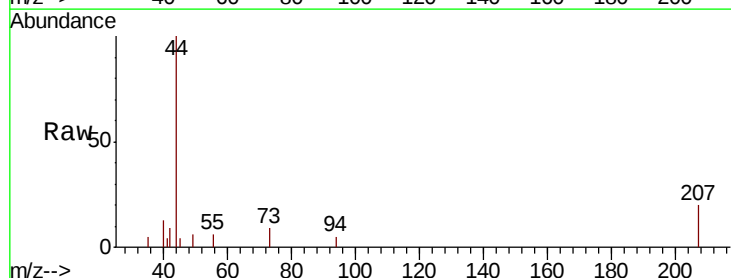
Acq: 05 Mar 2020 16:27

Tgt Ion: 94 Resp: 21

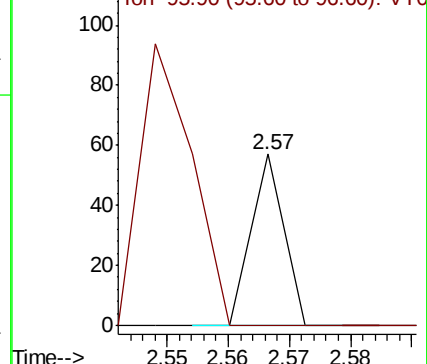
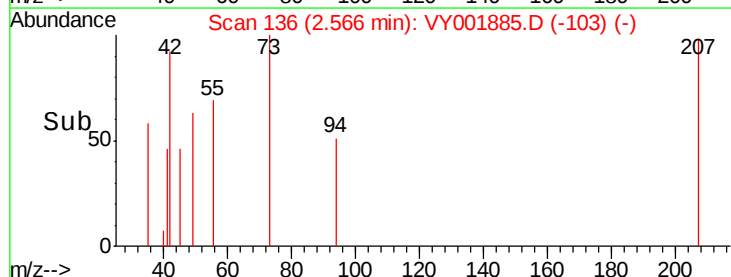
Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001885.D (-103) (-)



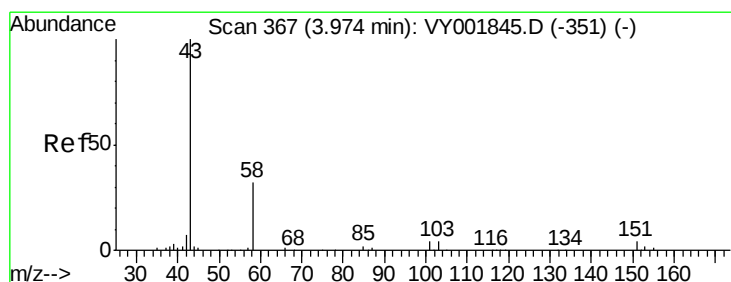
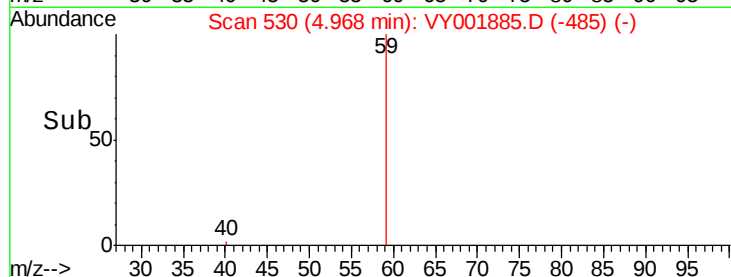
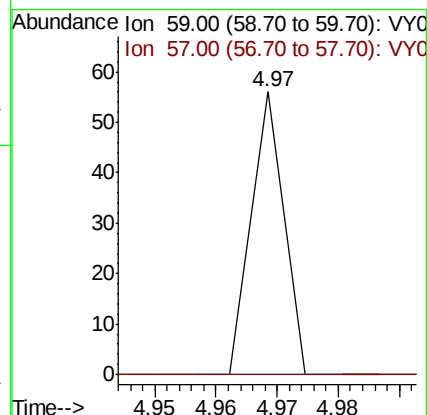
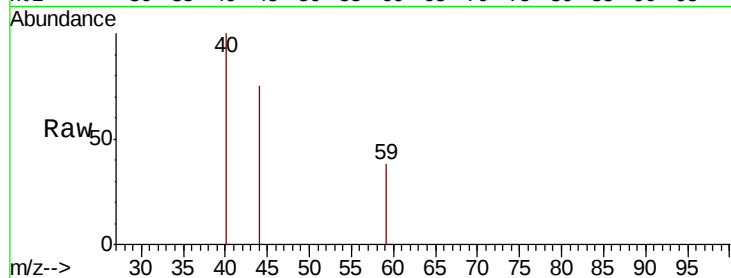


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001885.D
 Acq: 05 Mar 2020 16:27

Instrument :
 MSVOA_Y
 ClientSampleId :

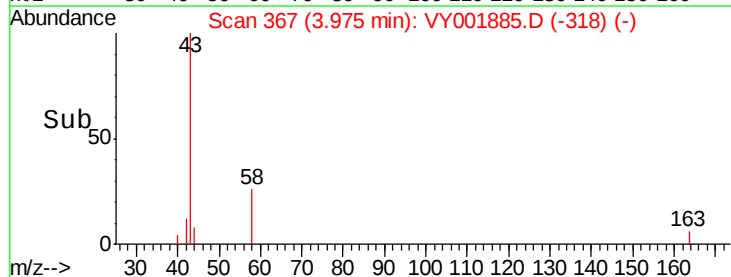
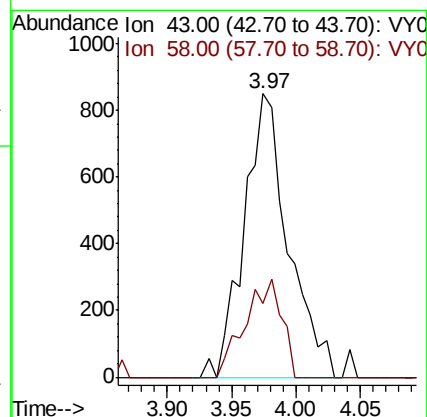
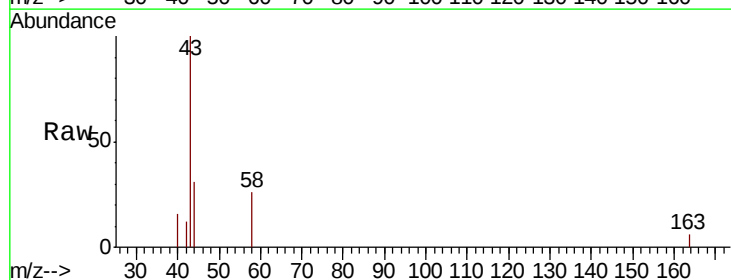
Tot Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

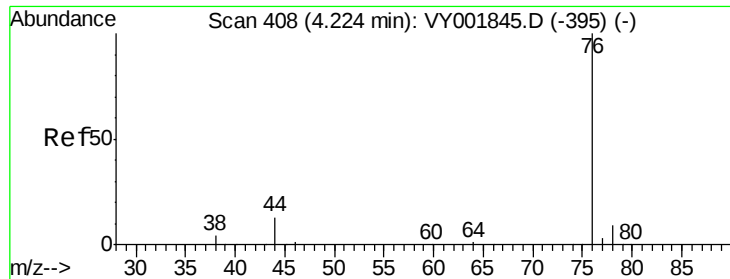


#16

Acetone
 Concen: 5.050 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY001885.D
 Acq: 05 Mar 2020 16:27

Tgt Ion: 43 Resp: 2010
 Ion Ratio Lower Upper
 43 100
 58 26.1 25.9 38.9





#17

Carbon Disulfide

Concen: 1.910 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY001885.D

Acq: 05 Mar 2020 16:27

Instrument :

MSVOA_Y

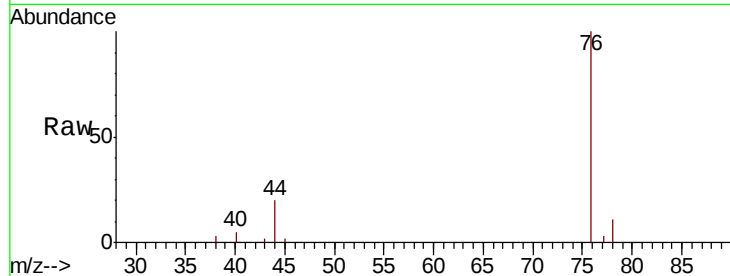
ClientSampleId :

Tot Ion: 76 Resp: 9141

Ion Ratio Lower Upper

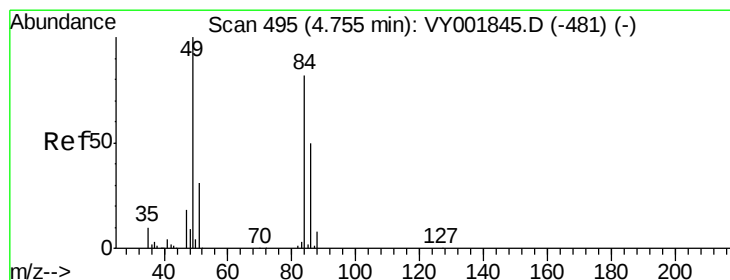
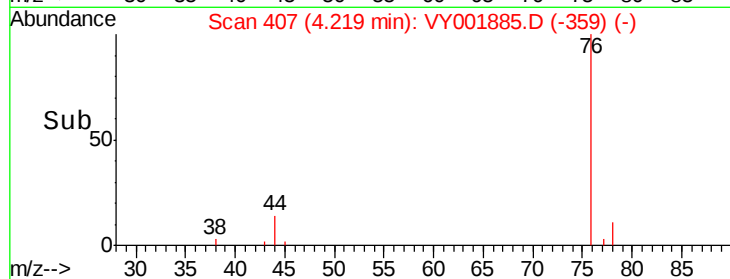
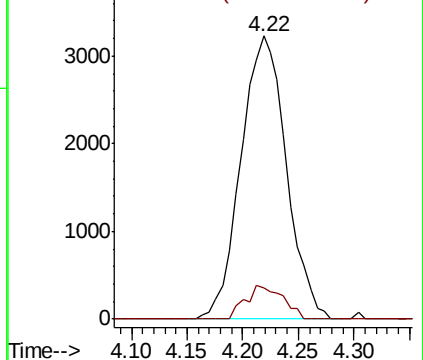
76 100

78 10.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 3.526 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001885.D

Acq: 05 Mar 2020 16:27

Tgt Ion: 84 Resp: 6016

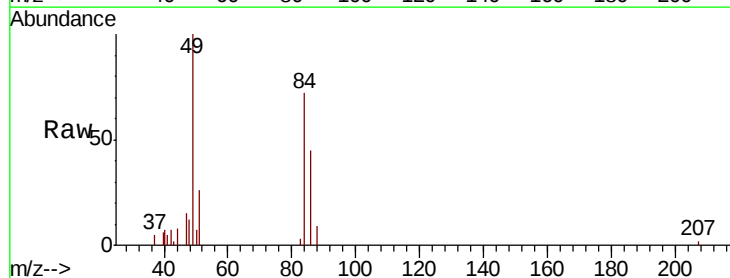
Ion Ratio Lower Upper

84 100

49 139.1 98.2 147.2

51 36.7 30.2 45.2

86 62.6 48.9 73.3

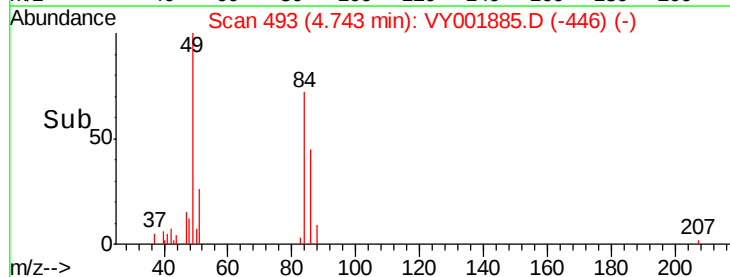
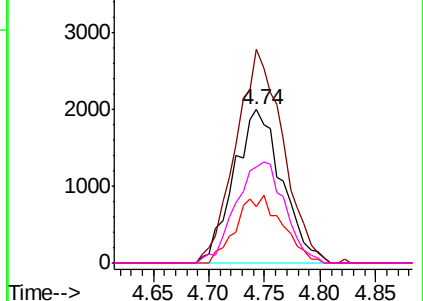


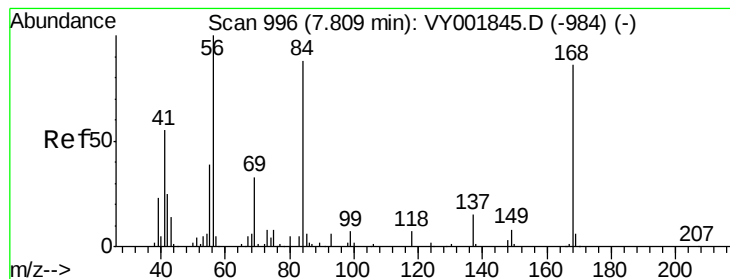
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.032 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001885.D

Acq: 05 Mar 2020 16:27

Instrument :
MSVOA_Y
ClientSampled :

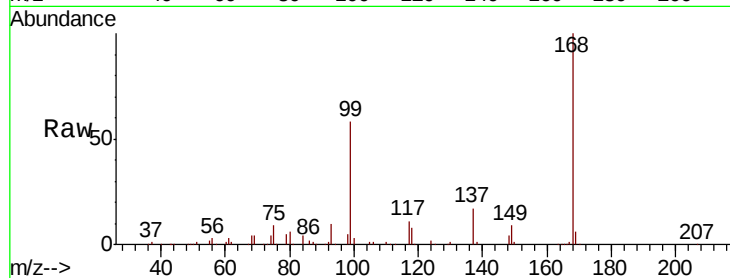
Tot Ion: 56 Resp: 3099

Ion Ratio Lower Upper

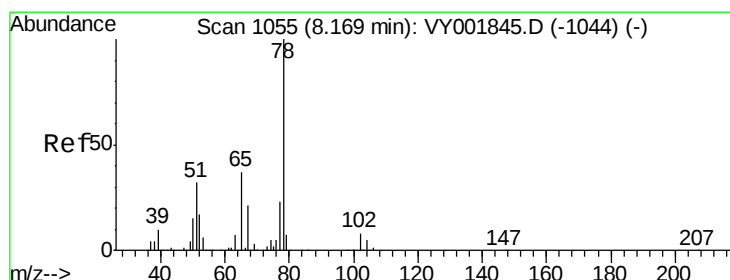
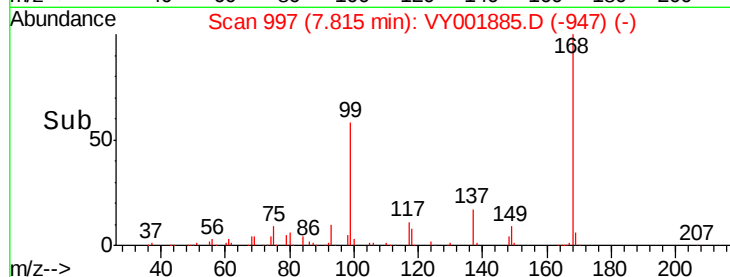
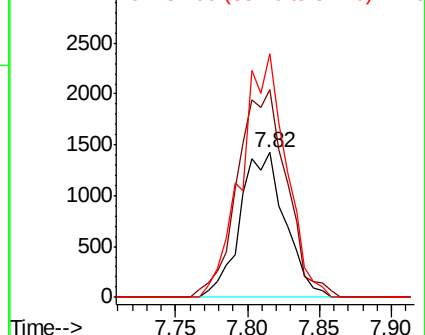
56 100

69 143.4 26.7 40.1#

84 168.1 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: 59.340 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001885.D

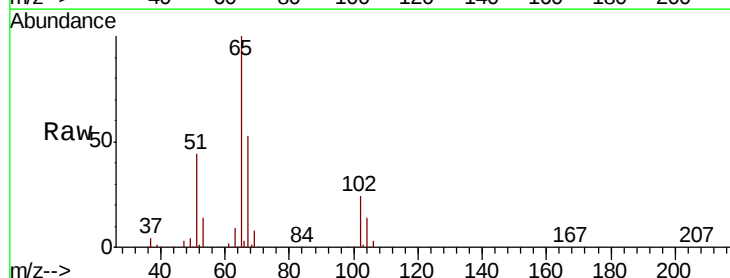
Acq: 05 Mar 2020 16:27

Tgt Ion: 65 Resp: 81098

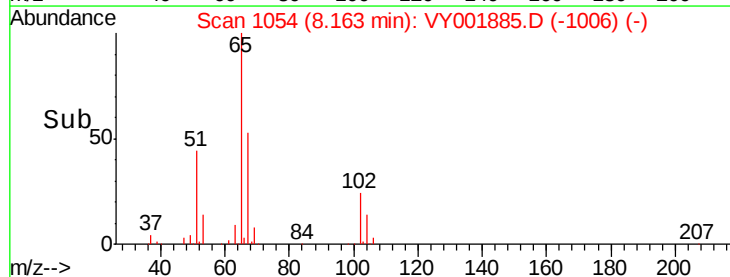
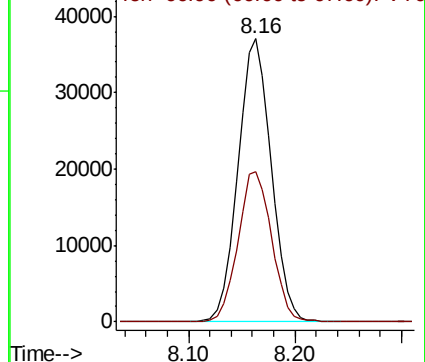
Ion Ratio Lower Upper

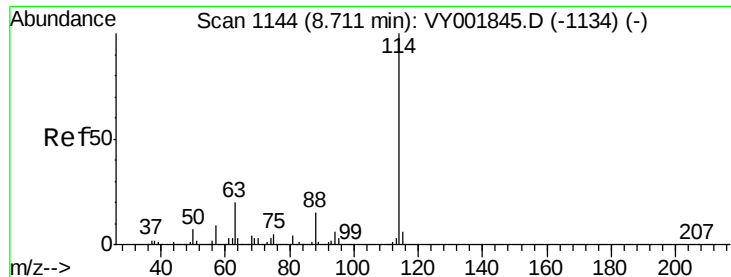
65 100

67 53.7 0.0 110.8



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

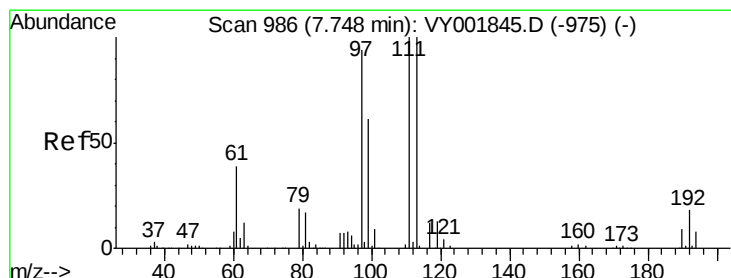
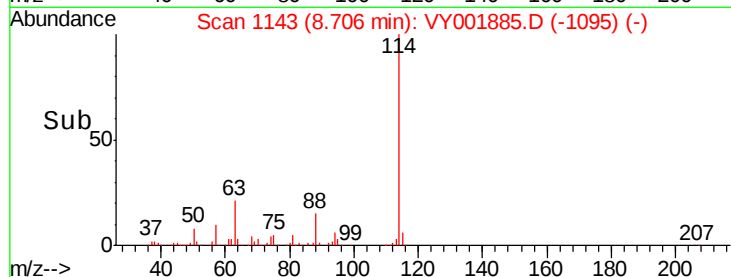
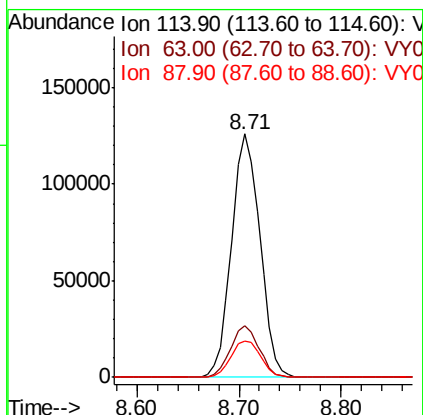
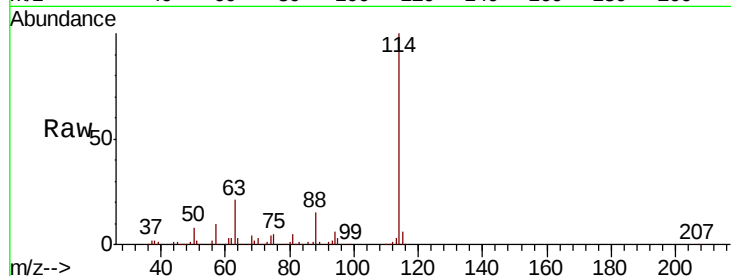




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001885.D
 Acq: 05 Mar 2020 16:27

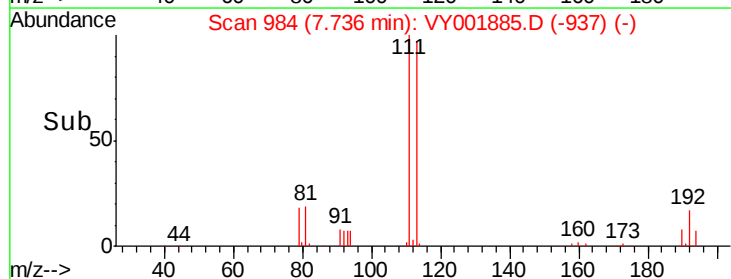
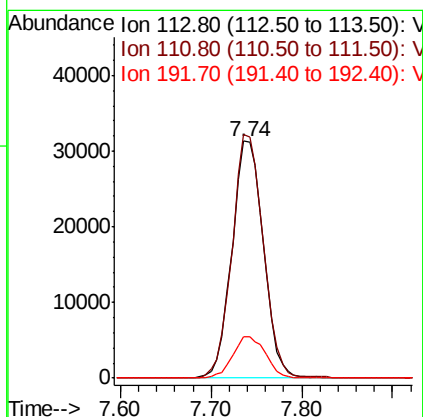
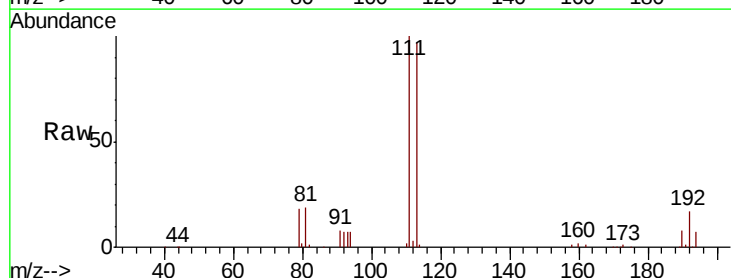
Instrument :
 MSVOA_Y
 ClientSampleId :

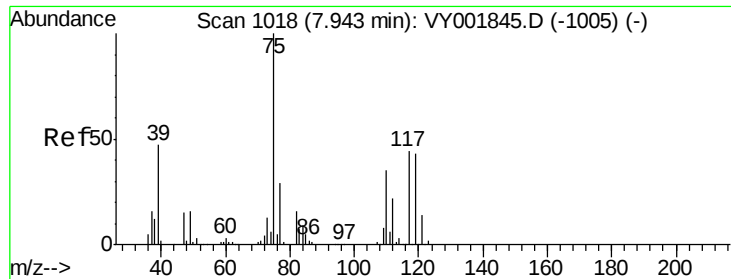
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.4
88	14.9	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 56.935 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001885.D
 Acq: 05 Mar 2020 16:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	18.2	14.2	21.2

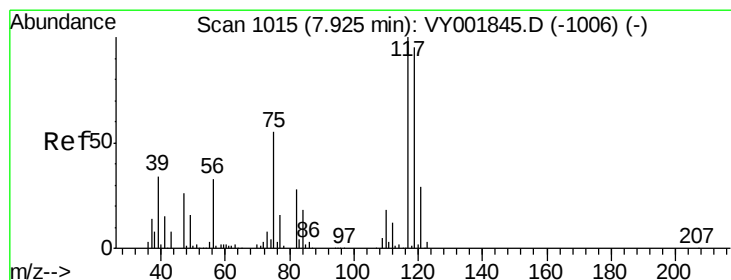
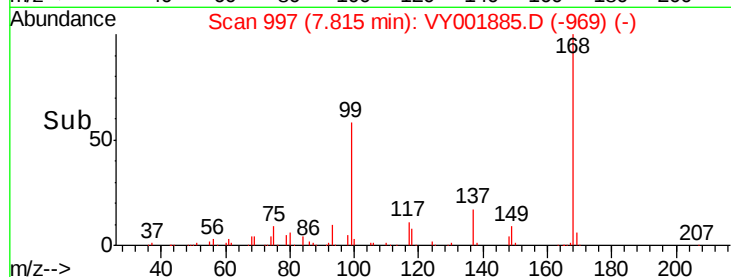
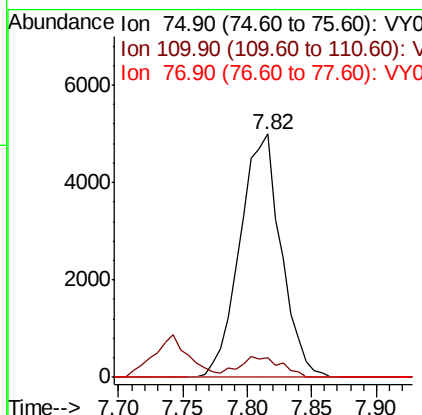
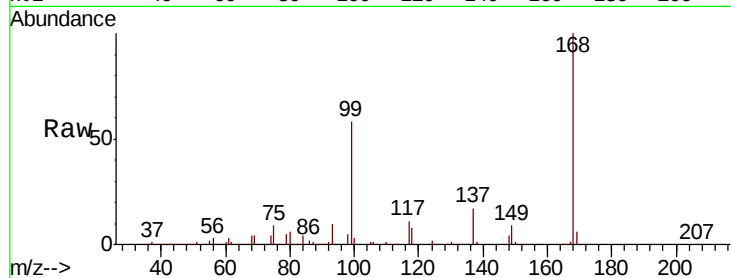




#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001885.D
 Acq: 05 Mar 2020 16:27

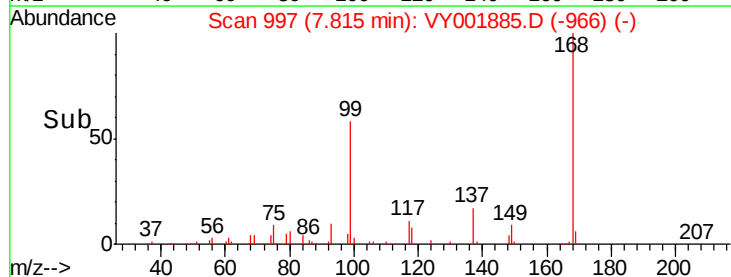
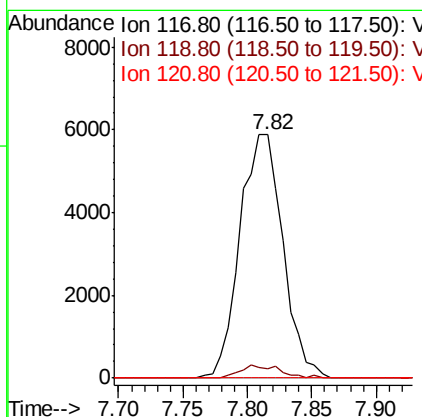
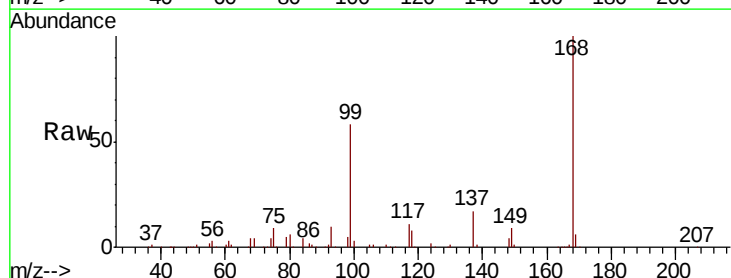
Instrument :
 MSVOA_Y
 ClientSampleId :

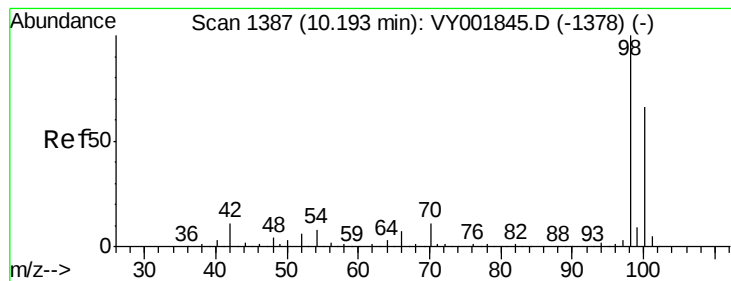
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.809 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001885.D
 Acq: 05 Mar 2020 16:27

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





#50

Toluene-d8

Concen: 50.545 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001885.D

Acq: 05 Mar 2020 16:27

Instrument :

MSVOA_Y

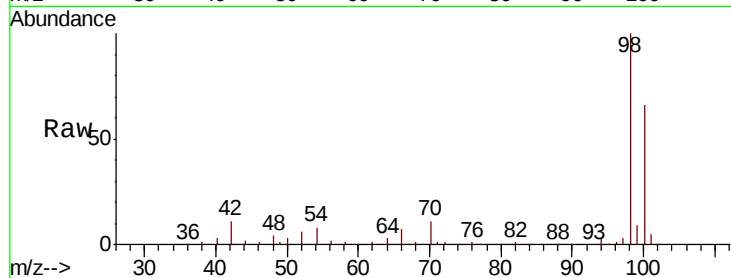
ClientSampleId :

Tot Ion: 98 Resp: 282234

Ion Ratio Lower Upper

98 100

100 66.4 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

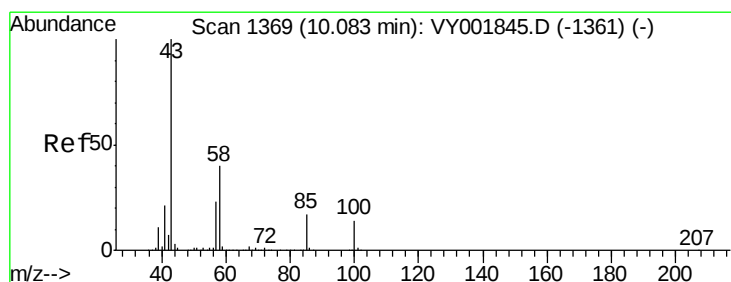
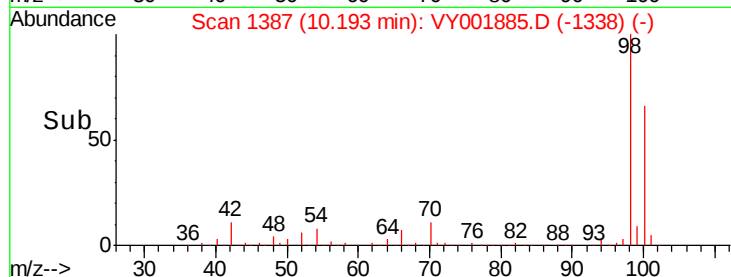
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.010 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001885.D

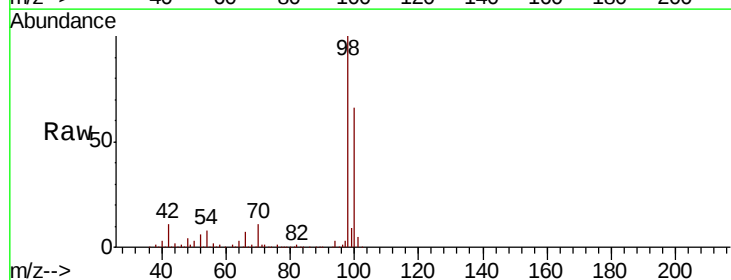
Acq: 05 Mar 2020 16:27

Tgt Ion: 43 Resp: 1336

Ion Ratio Lower Upper

43 100

58 180.2 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) (-)

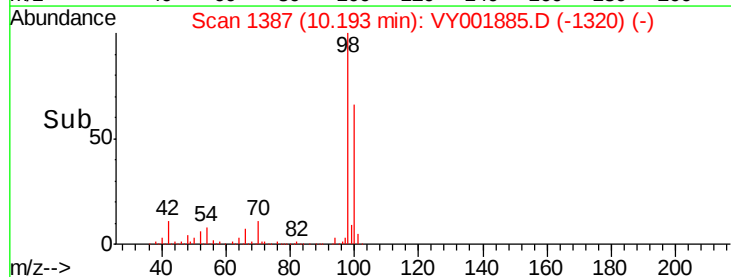
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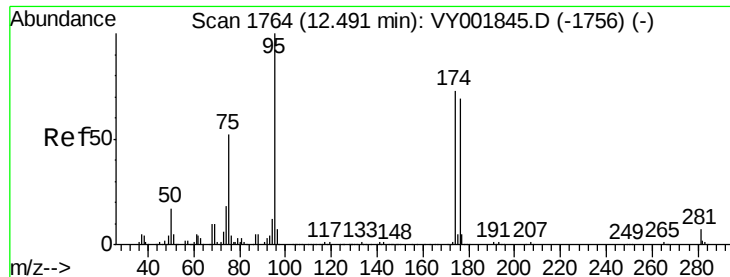
1000

500

0

Time-->

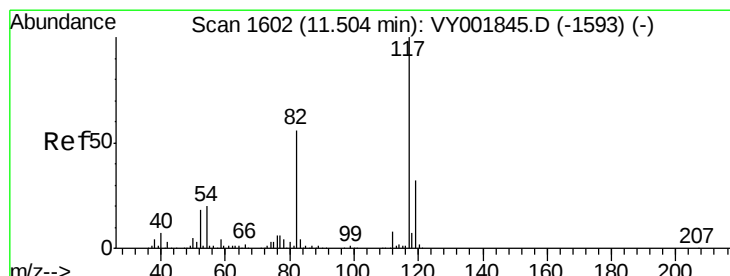
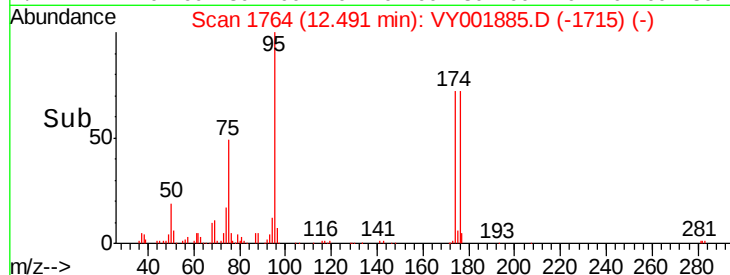
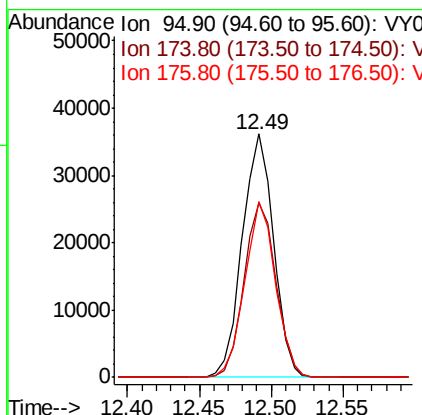
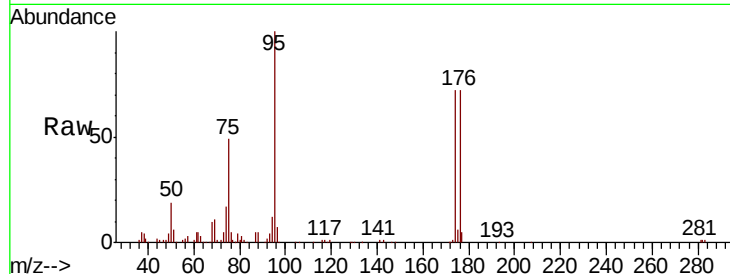




#62
4-Bromofluorobenzene
Concen: 28.016 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001885.D
Acq: 05 Mar 2020 16:27

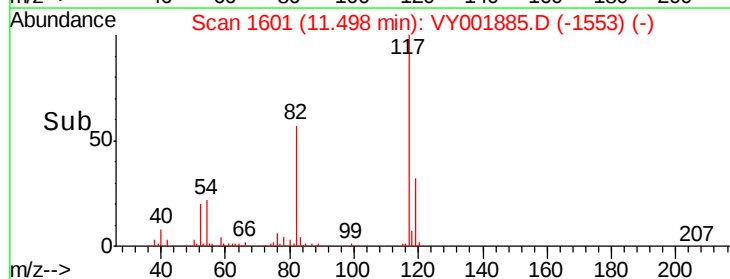
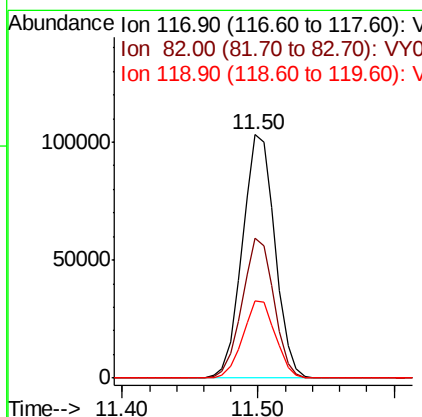
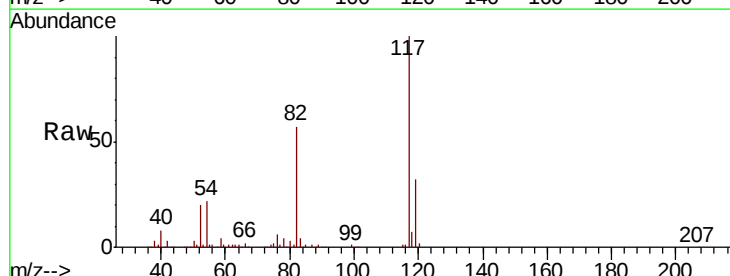
Instrument :
MSVOA_Y
ClientSampleId :

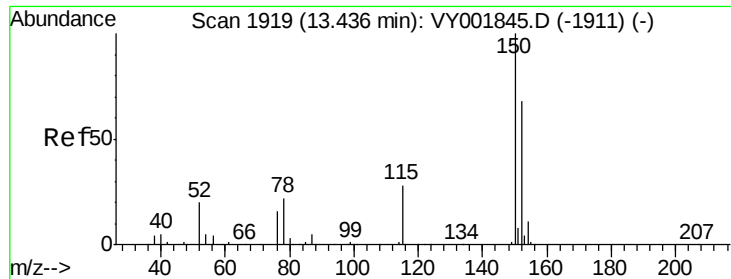
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	145.0
176	70.8	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001885.D
Acq: 05 Mar 2020 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.5	66.7
119	31.8	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001885.D

Acq: 05 Mar 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

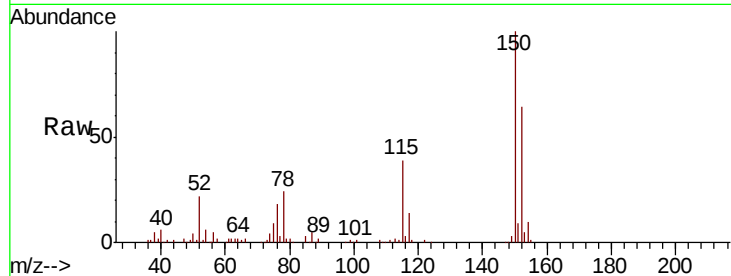
Tot Ion:152 Resp: 37461

Ion Ratio Lower Upper

152 100

115 62.9 29.9 89.7

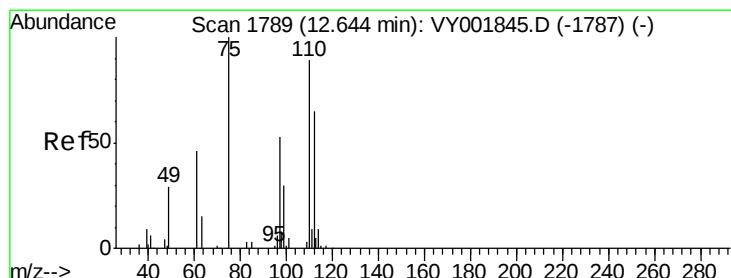
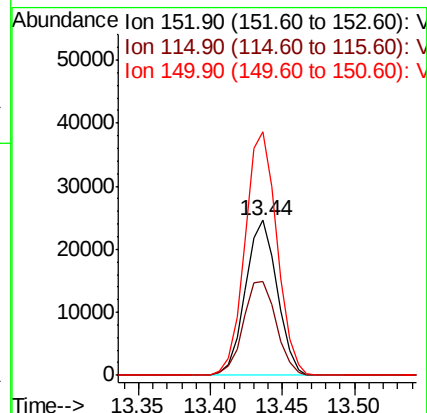
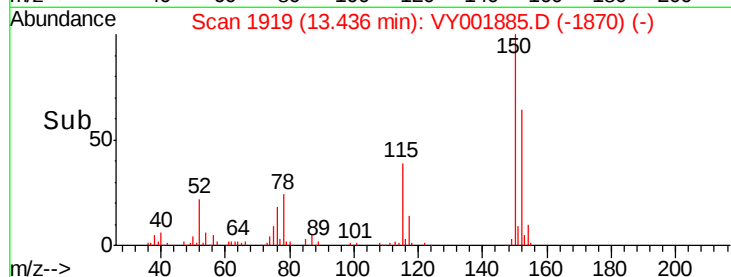
150 157.5 0.0 340.6



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: 63.003 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001885.D

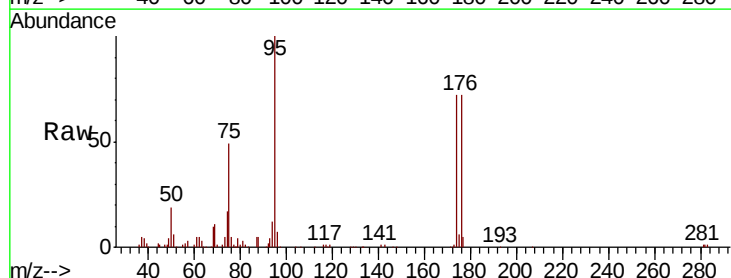
Acq: 05 Mar 2020 16:27

Tgt Ion: 75 Resp: 28005

Ion Ratio Lower Upper

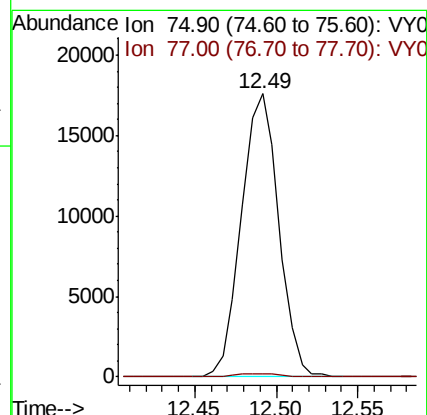
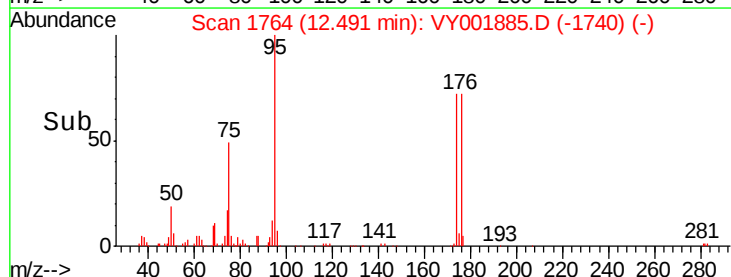
75 100

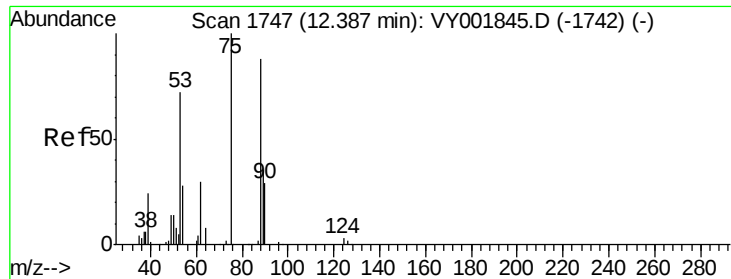
77 1.3 0.0 0.0#



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: 127.264 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001885.D

Acq: 05 Mar 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 28005

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

