

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
 Data File : VY000872.D
 Acq On : 05 Dec 2019 11:02
 Operator : SY/MD
 Sample : VY1205SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1205SBL01

Quant Time: Dec 06 03:58:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	232382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	426619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	381662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167509	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	145342	58.86	ug/l	0.00
Spiked Amount			Recovery	=	117.72%	
35) Dibromofluoromethane	7.73	113	127120	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.18	98	514421	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.48	95	170502	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

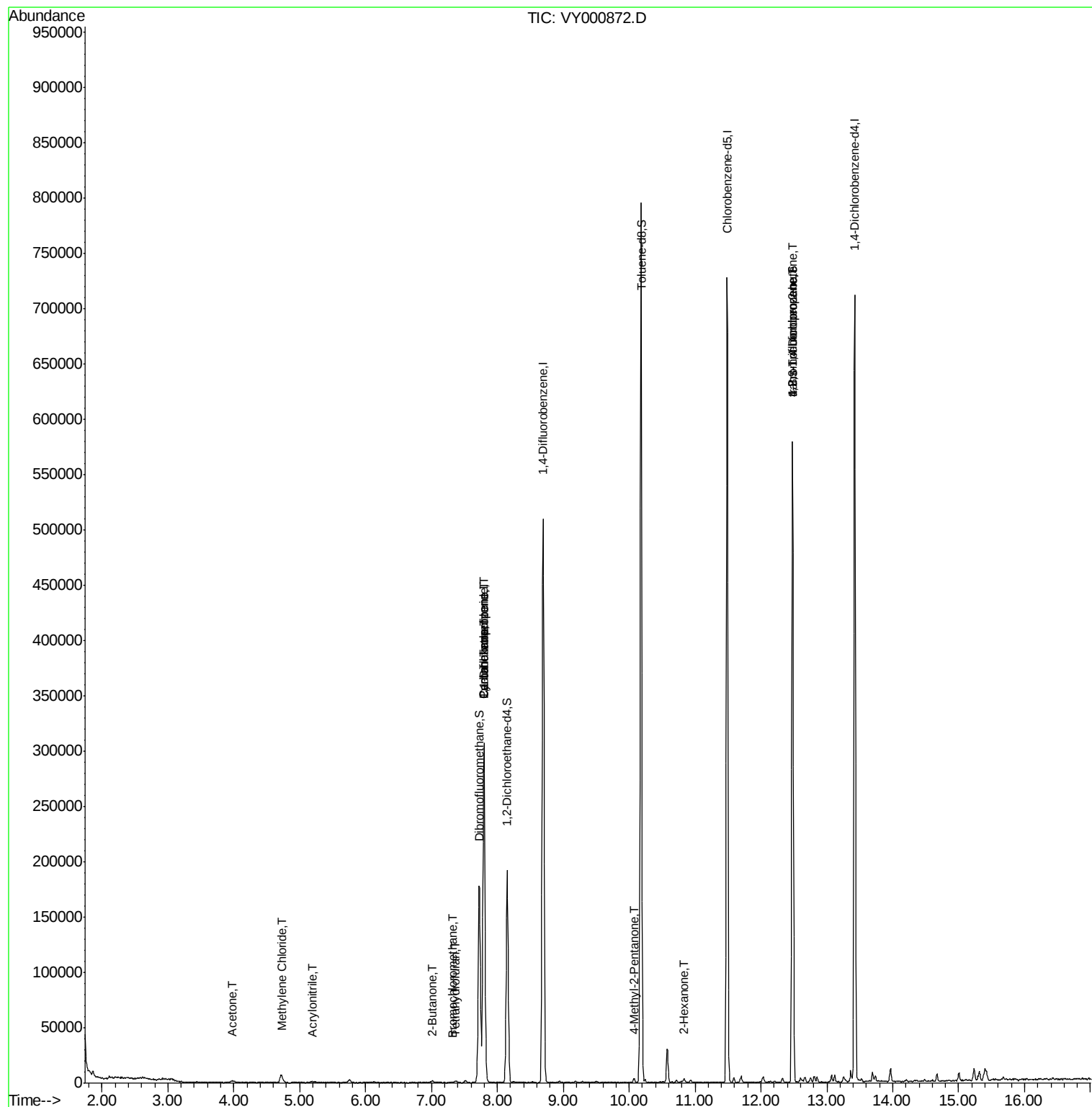
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	465	Below Cal	#	3
15) Acrylonitrile	5.19	53	1080	1.334	ug/l #	66
16) Acetone	3.98	43	2660	4.696	ug/l #	70
20) Methylene Chloride	4.72	84	4907	1.643	ug/l #	90
25) 2-Butanone	7.02	43	1719	1.643	ug/l #	82
28) Bromochloromethane	7.33	49	117	2.077	ug/l #	15
29) Tetrahydrofuran	7.36	42	1309	1.888	ug/l #	68
31) Cyclohexane	7.80	56	5754	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18316	4.318	ug/l #	50
38) Carbon Tetrachloride	7.80	117	22494	5.954	ug/l #	12
51) 4-Methyl-2-Pentanone	10.08	43	2413	1.012	ug/l	97
59) 2-Hexanone	10.83	43	2574	1.481	ug/l	85
76) 1,2,3-Trichloropropane	12.48	75	91597	48.263	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91597	94.803	ug/l #	17

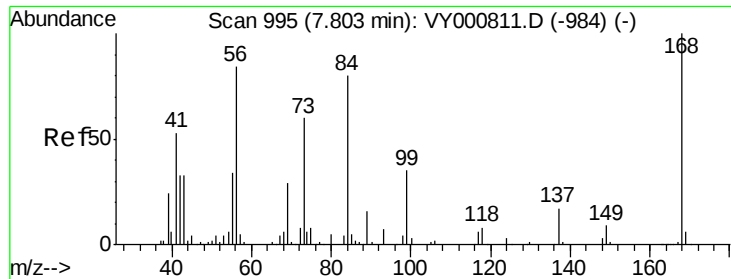
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

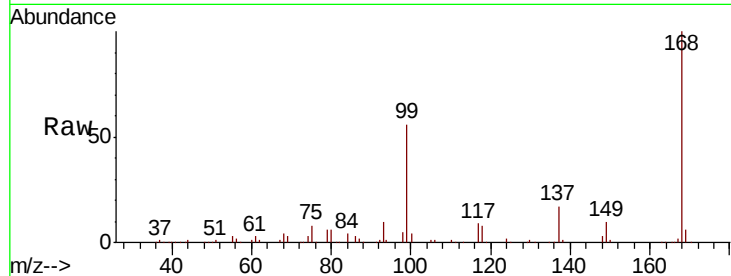
VY1205SBL01

Tot Ion:168 Resp: 232382

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

120000

100000

80000

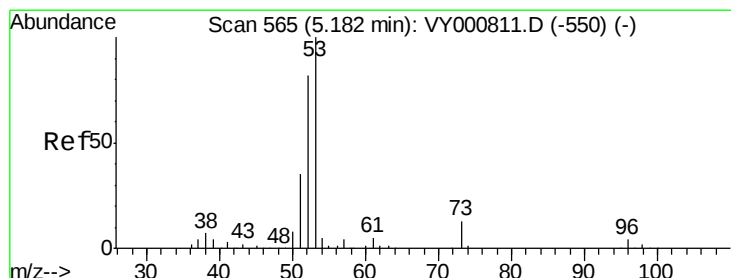
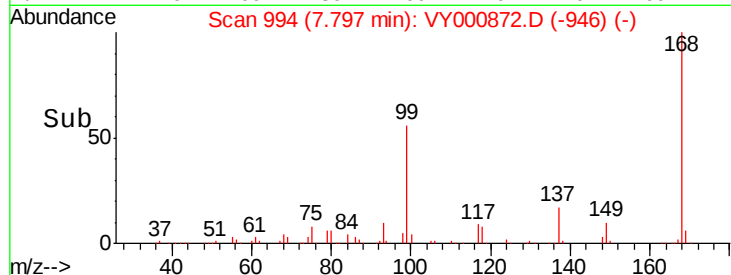
60000

40000

20000

0

Time-->



#15

Acrylonitrile

Concen: 1.334 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.01 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

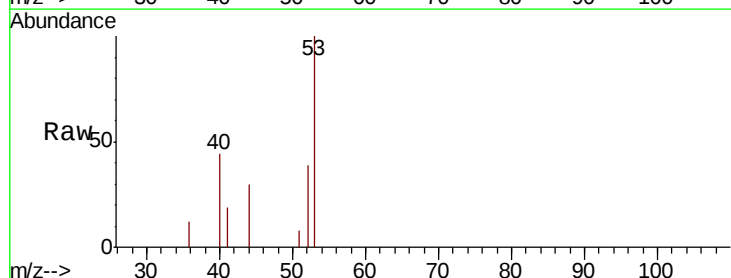
Tgt Ion: 53 Resp: 1080

Ion Ratio Lower Upper

53 100

52 54.9 65.1 97.7#

51 11.2 29.0 43.4#



Abundance Ion 53.00 (52.70 to 53.70): VY000811.D (-550) (-)

Ion 52.00 (51.70 to 52.70): VY000811.D (-550) (-)

Ion 51.00 (50.70 to 51.70): VY000811.D (-550) (-)

800

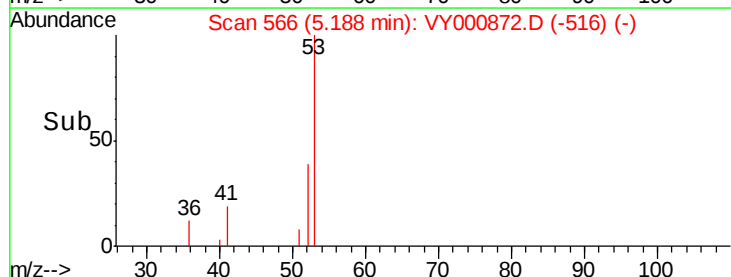
600

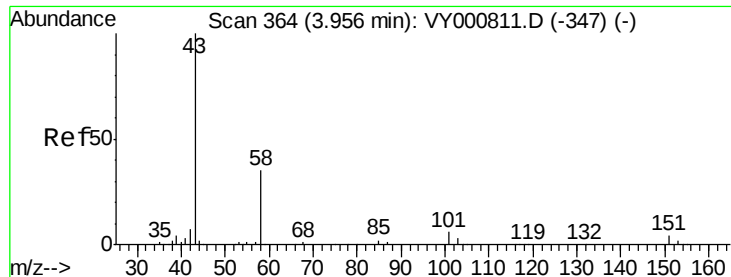
400

200

0

Time-->





#16

Acetone

Concen: 4.696 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

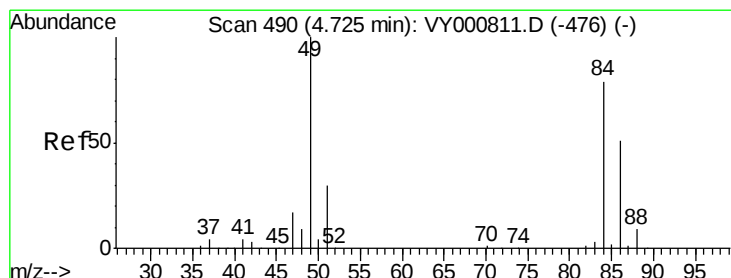
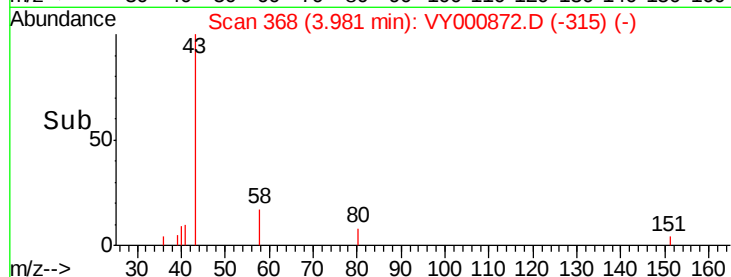
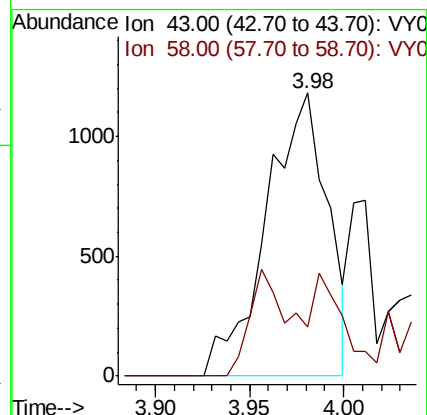
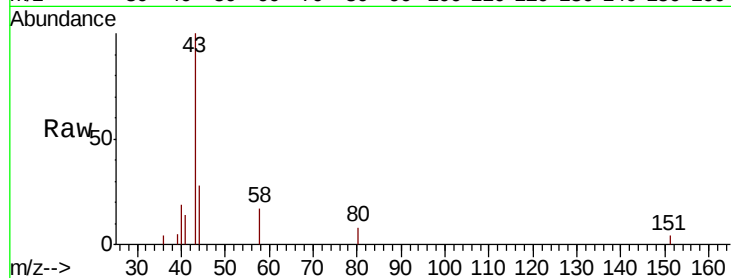
VY1205SBL01

Tot Ion: 43 Resp: 2660

Ion Ratio Lower Upper

43 100

58 17.4 28.0 42.0#



#20

Methylene Chloride

Concen: 1.643 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Tgt Ion: 84 Resp: 4907

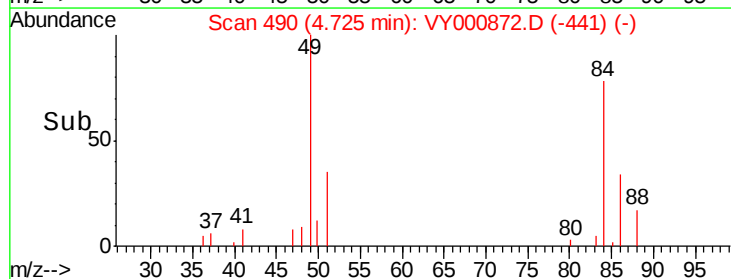
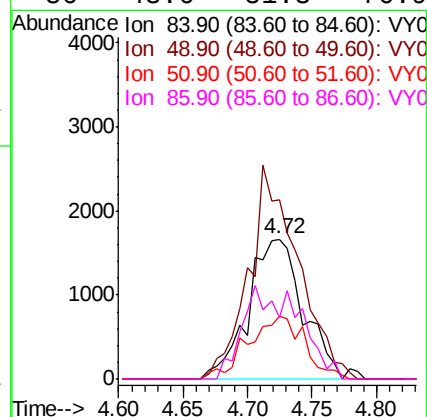
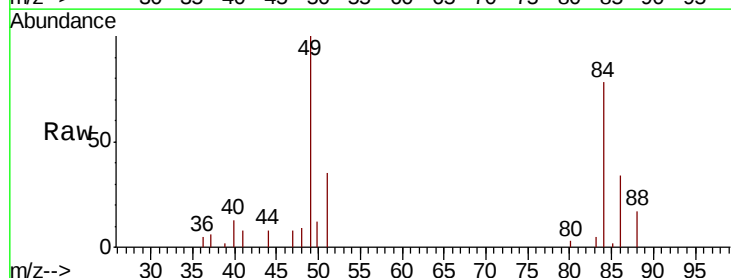
Ion Ratio Lower Upper

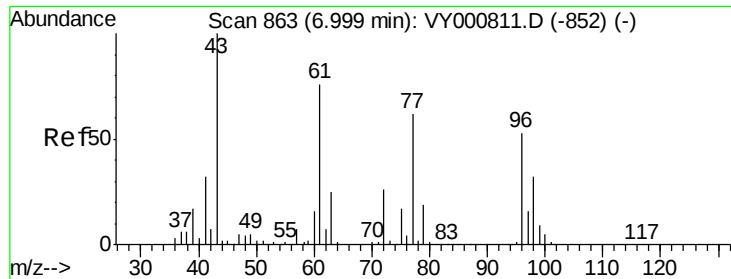
84 100

49 128.4 101.3 151.9

51 45.1 30.6 45.8

86 43.6 51.3 76.9#





#25

2-Butanone

Concen: 1.643 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

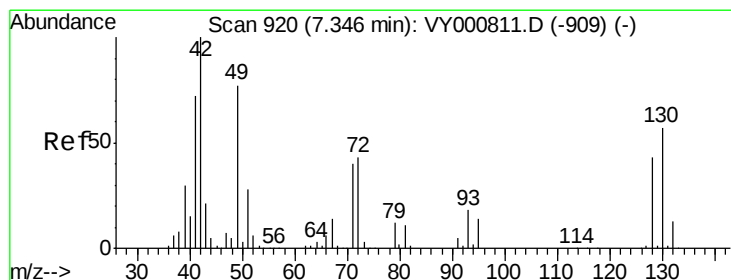
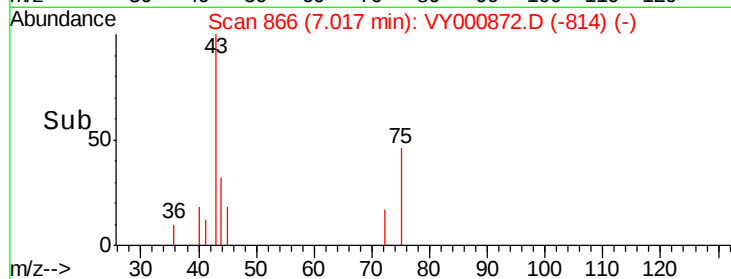
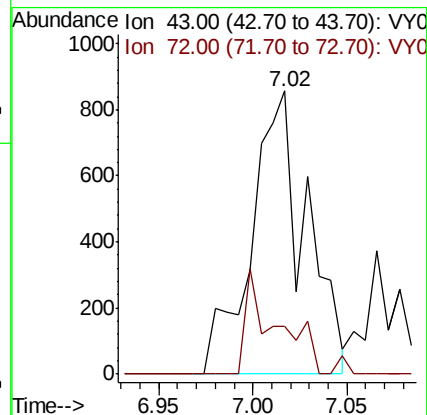
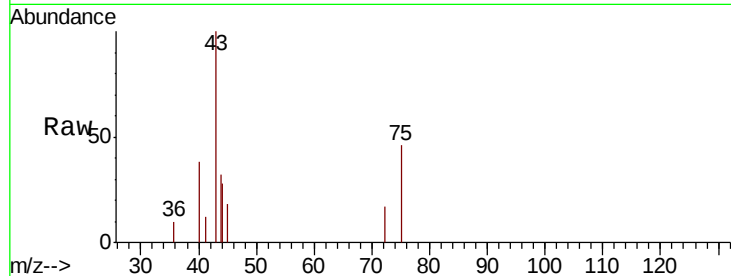
VY1205SBL01

Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

72 17.0 21.0 31.4#



#28

Bromochloromethane

Concen: 2.077 ug/l

RT: 7.33 min Scan# 917

Delta R.T. -0.02 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

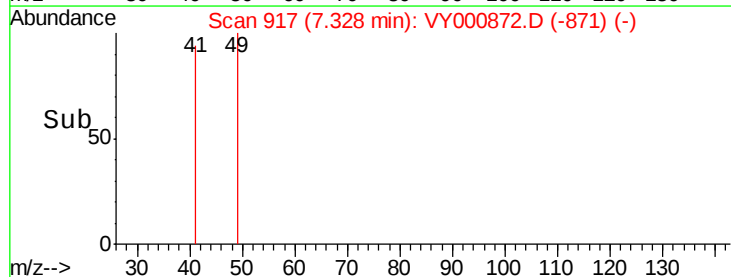
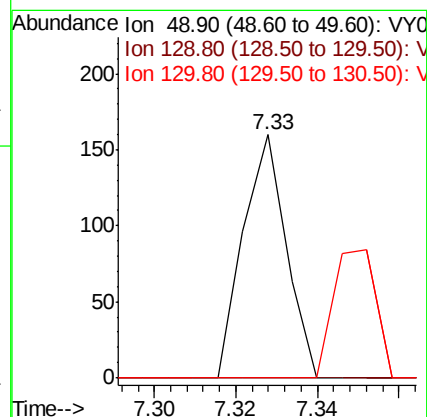
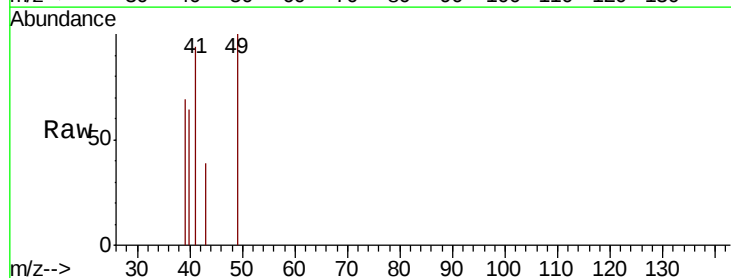
Tgt Ion: 49 Resp: 117

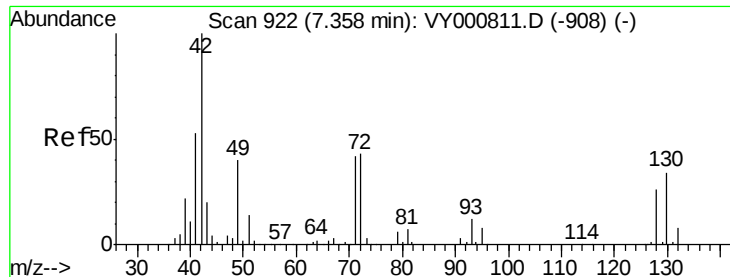
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#





#29

Tetrahydrofuran

Concen: 1.888 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY1205SBL01

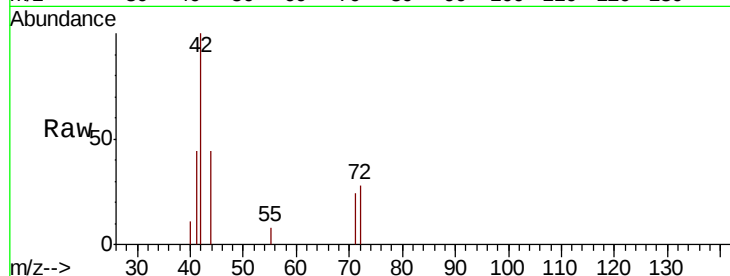
Tot Ion: 42 Resp: 1309

Ion Ratio Lower Upper

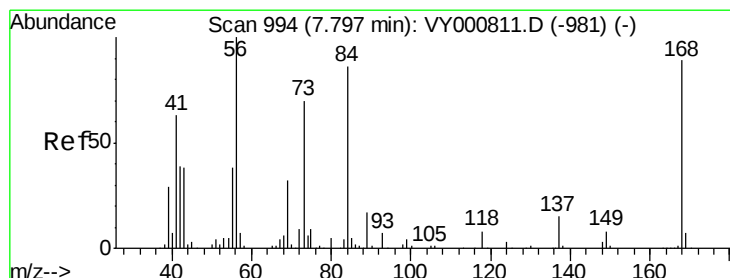
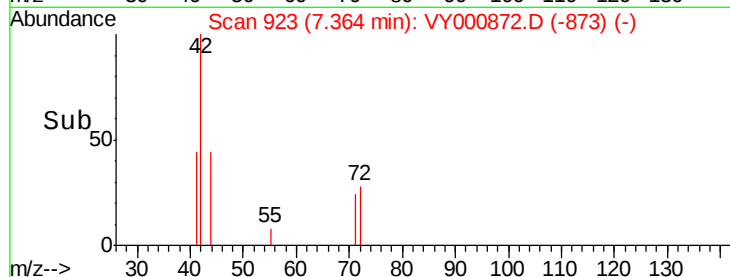
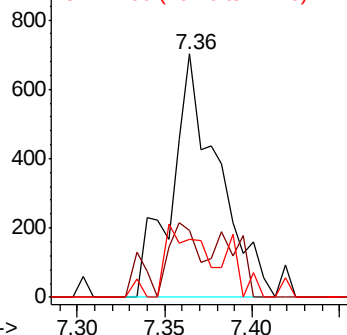
42 100

72 18.4 35.1 52.7#

71 25.8 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

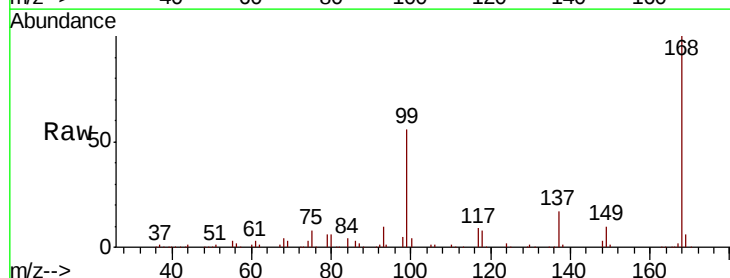
Tgt Ion: 56 Resp: 5754

Ion Ratio Lower Upper

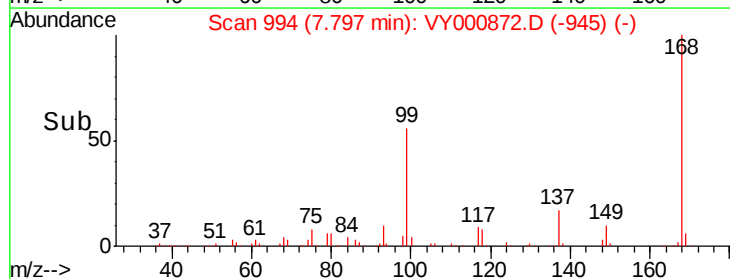
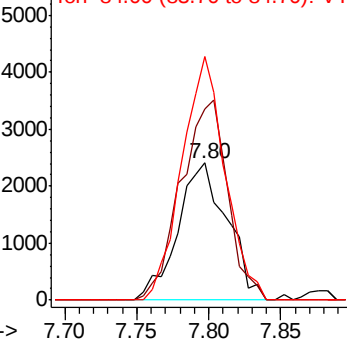
56 100

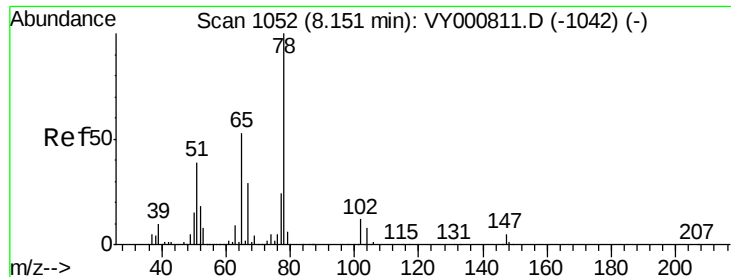
69 139.8 25.9 38.9#

84 177.9 68.6 102.8#



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: 58.861 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

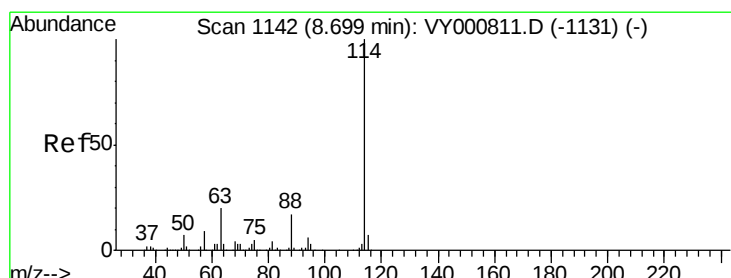
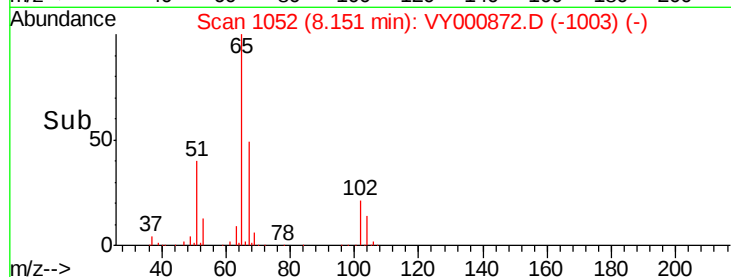
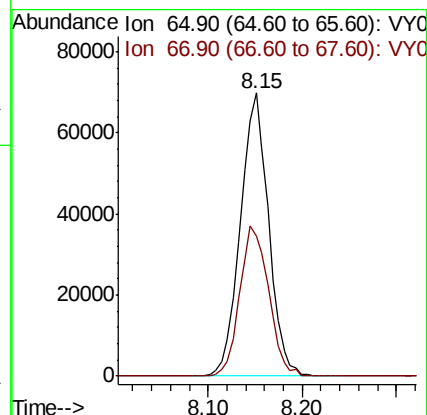
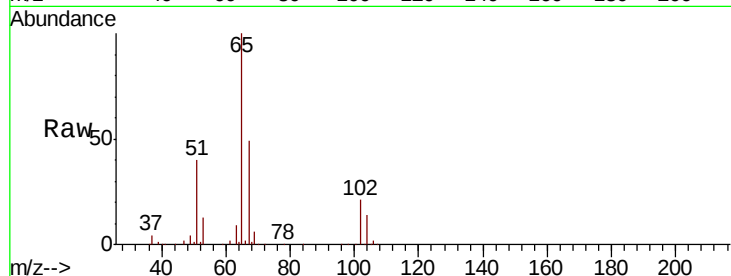
VY1205SBL01

Tot Ion: 65 Resp: 145342

Ion Ratio Lower Upper

65 100

67 54.5 0.0 112.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

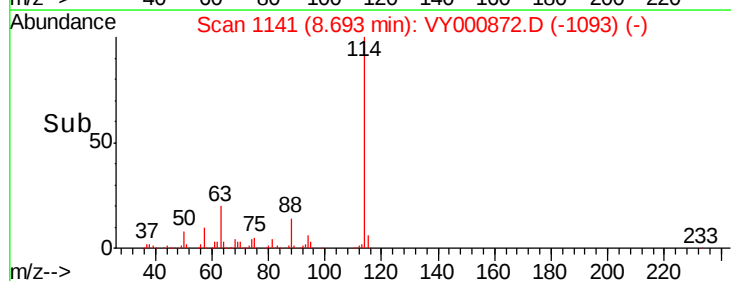
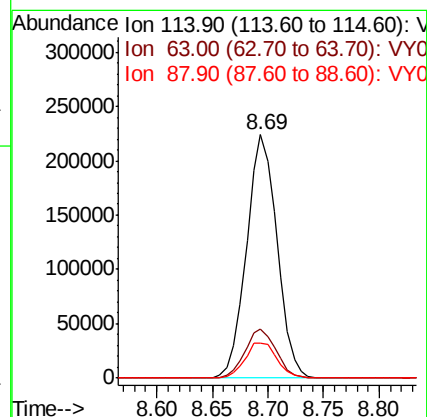
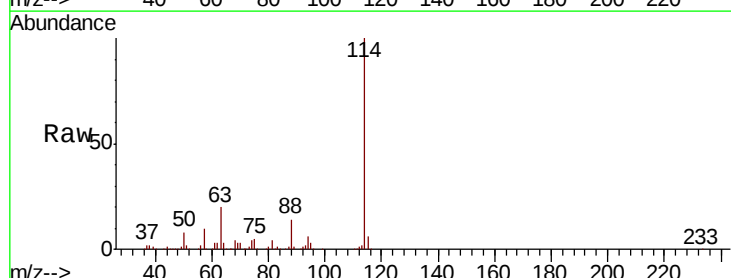
Tgt Ion: 114 Resp: 426619

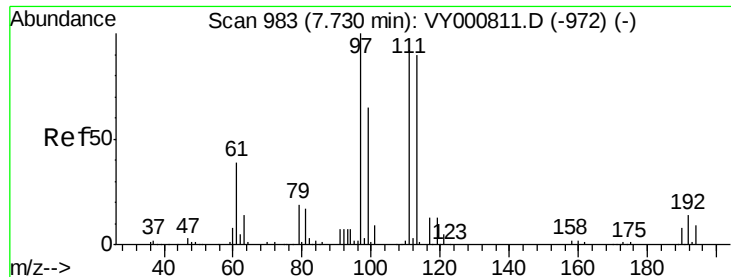
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 14.4 0.0 33.2

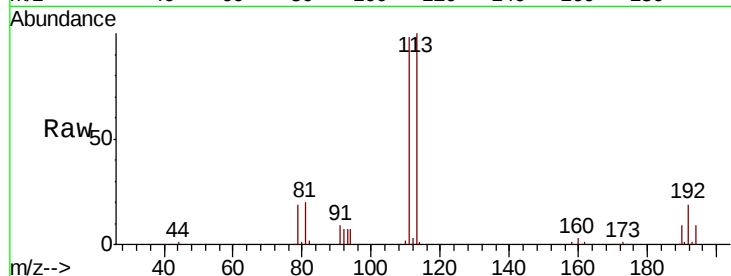




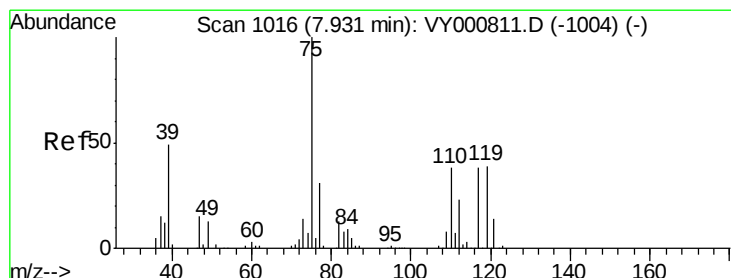
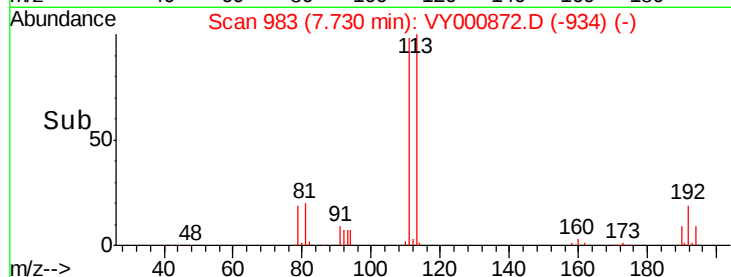
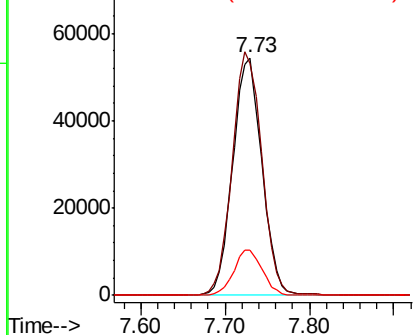
#35
 Dibromofluoromethane
 Concen: 51.128 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000872.D
 Acq: 05 Dec 2019 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1205SBL01

Tot Ion:113 Resp: 127120
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.4 123.6
 192 18.7 14.2 21.2

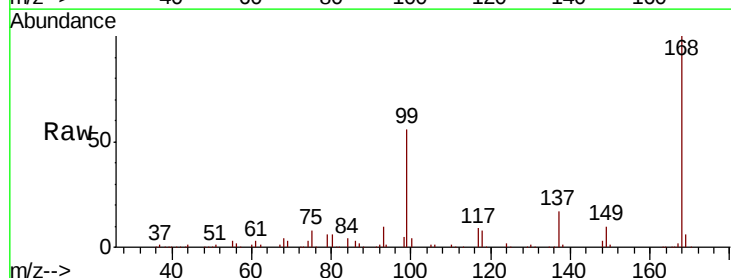


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

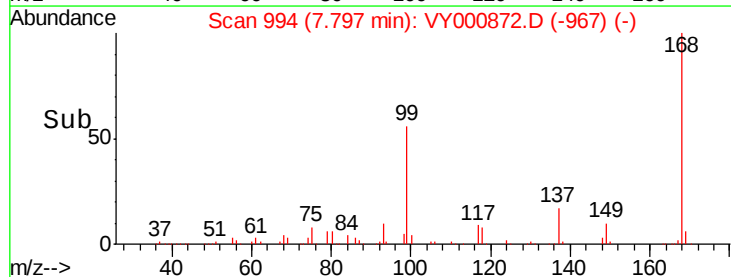
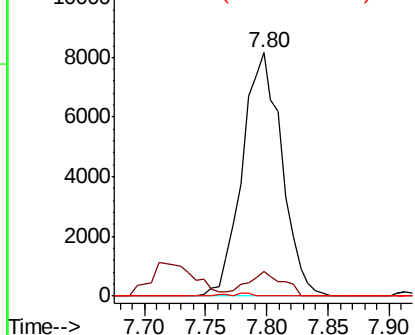


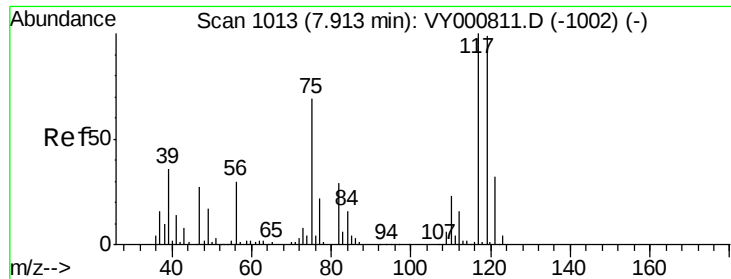
#36
 1,1-Dichloropropene
 Concen: 4.318 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000872.D
 Acq: 05 Dec 2019 11:02

Tgt Ion: 75 Resp: 18316
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.9 53.7#
 77 0.6 24.7 37.1#



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

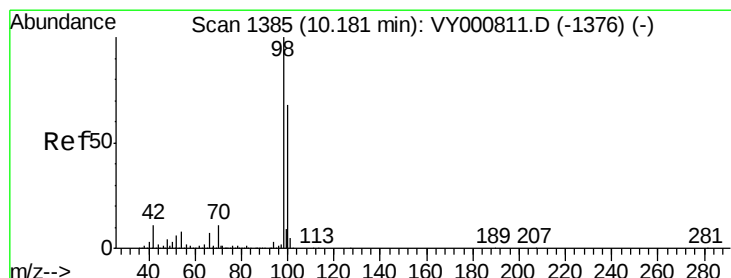
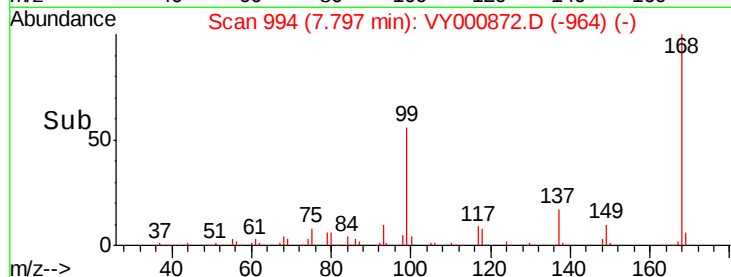
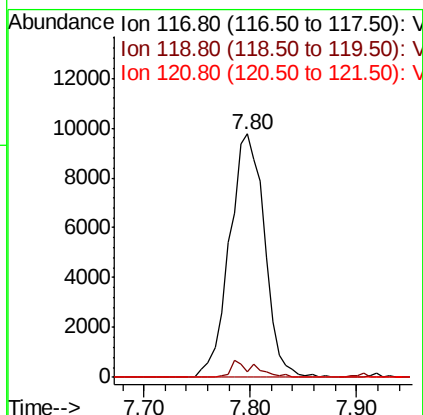
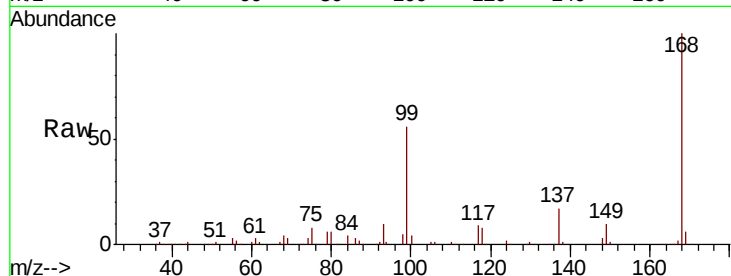




#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000872.D
Acq: 05 Dec 2019 11:02

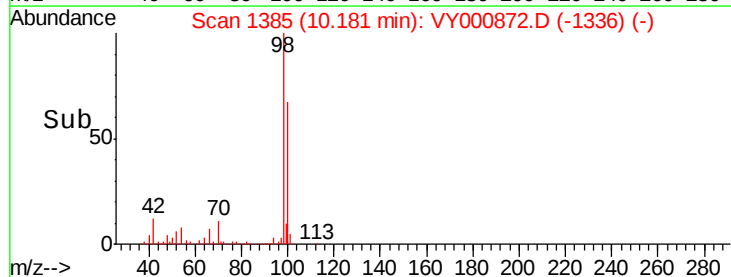
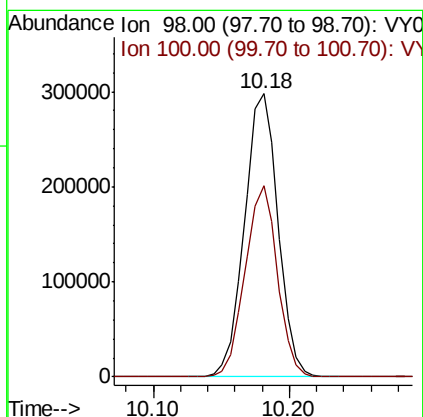
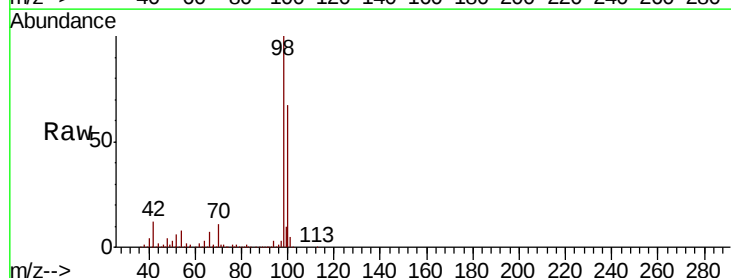
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MSVOA_Y
ClientSampleId :
VY1205SBL01

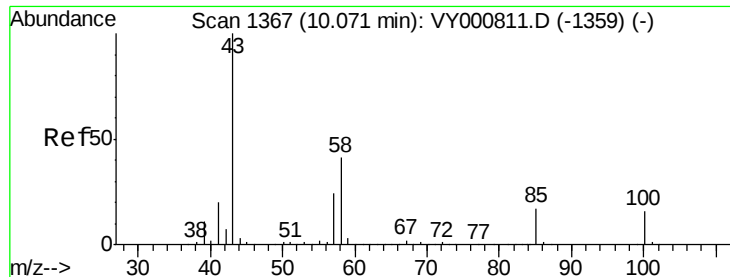
Tot Ion:117 Resp: 22494
Ion Ratio Lower Upper
117 100
119 2.4 79.3 118.9#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000872.D
Acq: 05 Dec 2019 11:02

Tgt Ion: 98 Resp: 514421
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.012 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

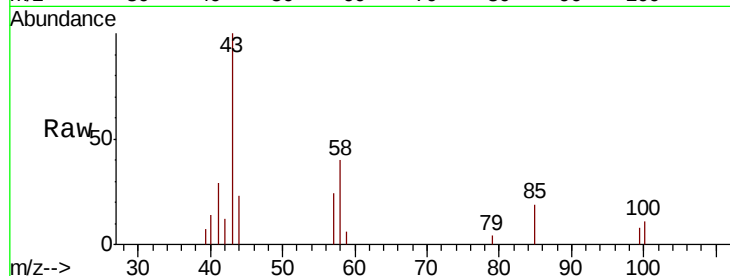
VY1205SBL01

Tot Ion: 43 Resp: 2413

Ion Ratio Lower Upper

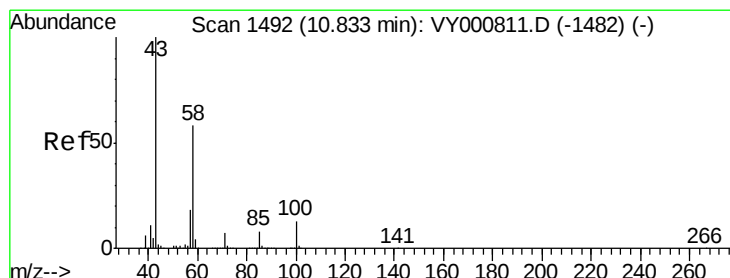
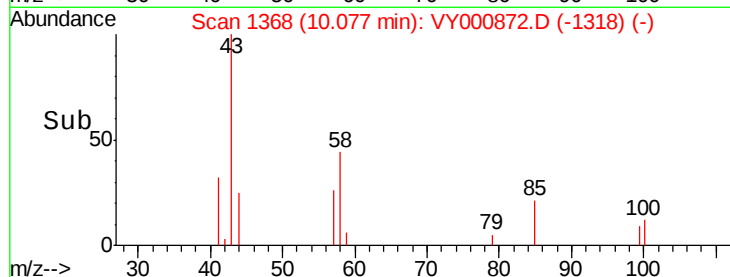
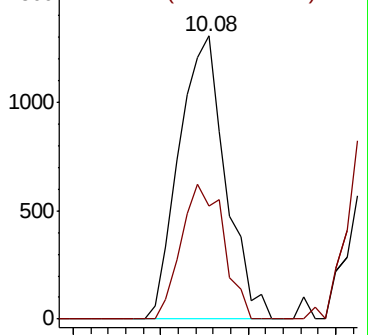
43 100

58 43.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#59

2-Hexanone

Concen: 1.481 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000872.D

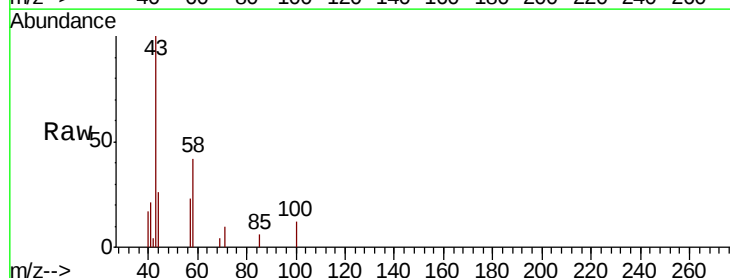
Acq: 05 Dec 2019 11:02

Tgt Ion: 43 Resp: 2574

Ion Ratio Lower Upper

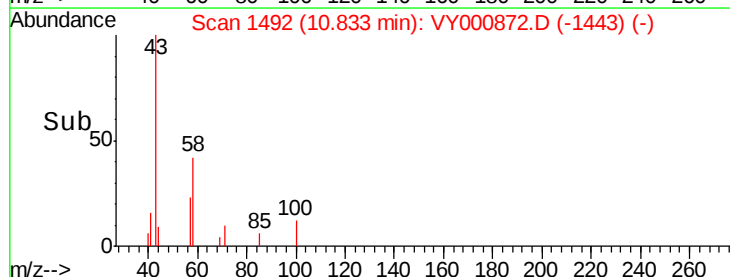
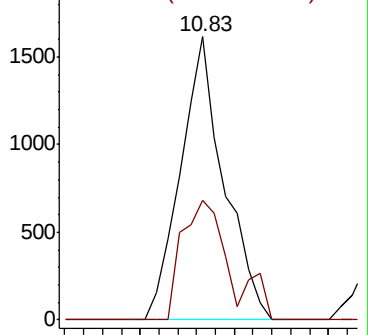
43 100

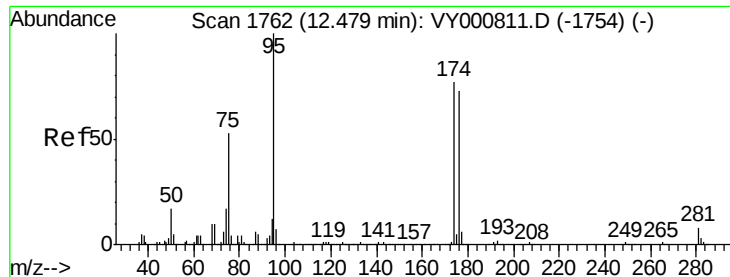
58 46.6 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

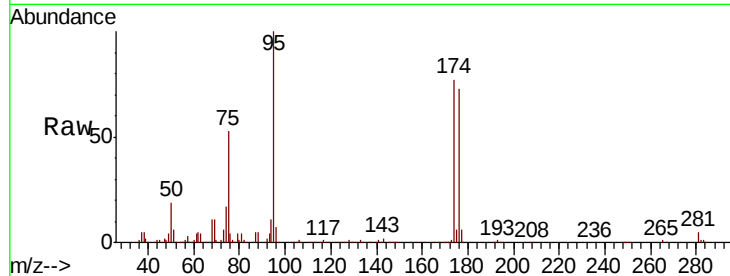




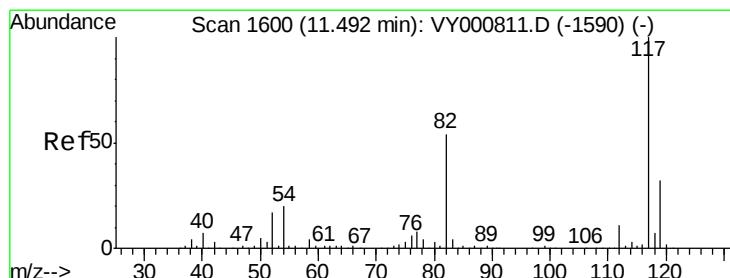
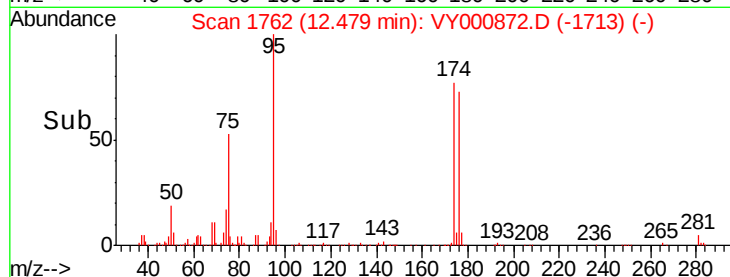
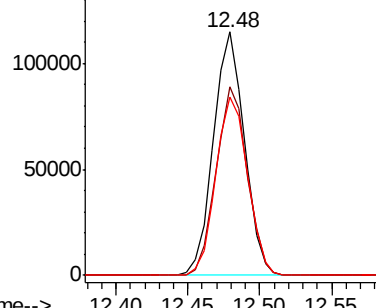
#62
4-Bromofluorobenzene
Concen: 45.673 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000872.D
Acq: 05 Dec 2019 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	150.6
176	75.5	0.0	145.2

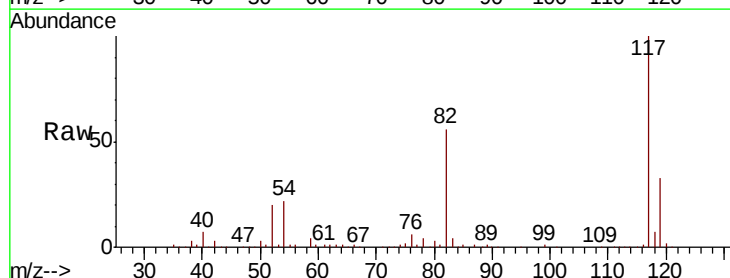


Abundance Ion 94.90 (94.60 to 95.60): VY000811.D (-1754) (-)
Ion 173.80 (173.50 to 174.50): VY000811.D (-1754) (-)
Ion 175.80 (175.50 to 176.50): VY000811.D (-1754) (-)

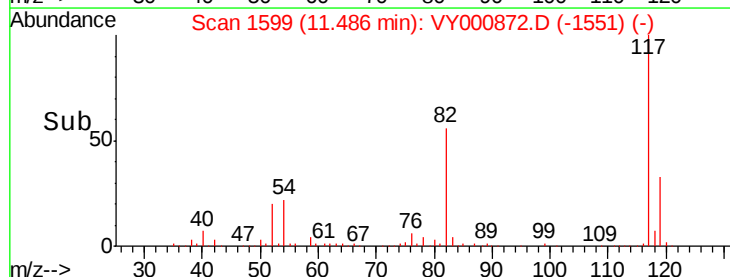
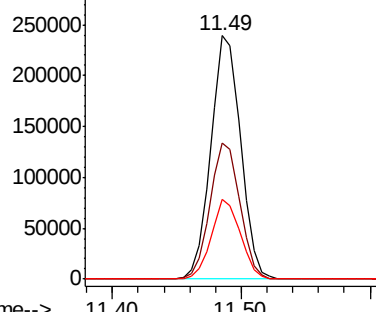


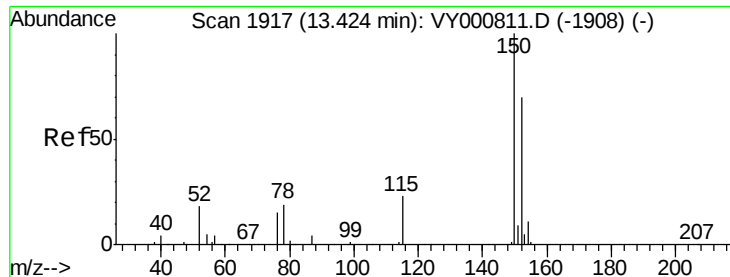
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000872.D
Acq: 05 Dec 2019 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.1	64.7
119	33.0	25.3	37.9



Abundance Ion 116.90 (116.60 to 117.60): VY000811.D (-1590) (-)
Ion 82.00 (81.70 to 82.70): VY000811.D (-1590) (-)
Ion 118.90 (118.60 to 119.60): VY000811.D (-1590) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY1205SBL01

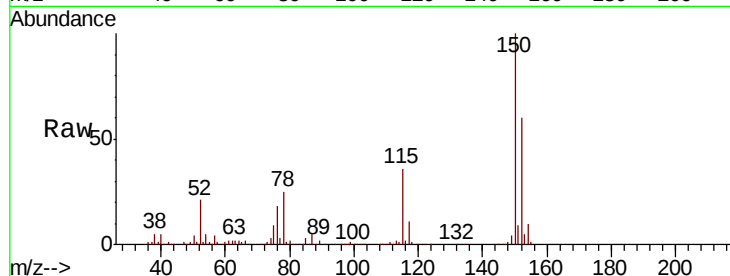
Tot Ion:152 Resp: 167509

Ion Ratio Lower Upper

152 100

115 60.2 29.3 87.8

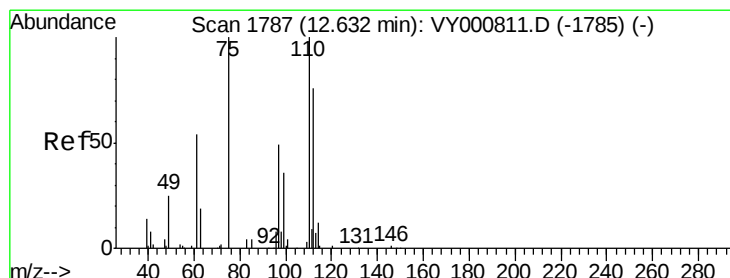
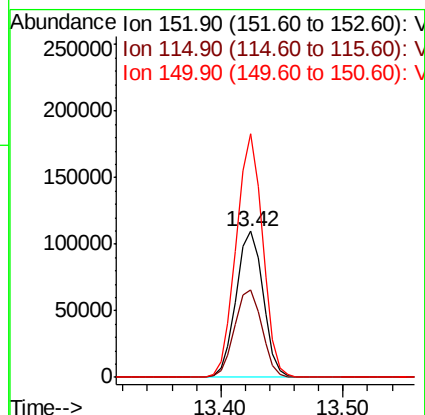
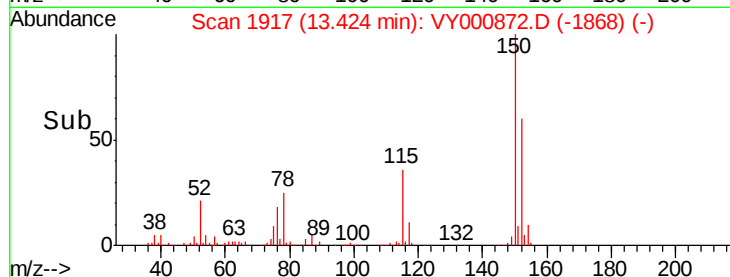
150 162.2 0.0 351.2



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: 48.263 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000872.D

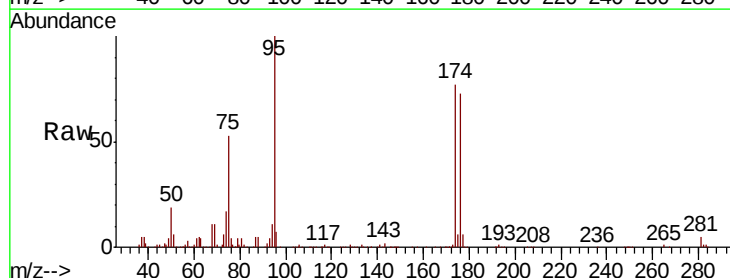
Acq: 05 Dec 2019 11:02

Tgt Ion: 75 Resp: 91597

Ion Ratio Lower Upper

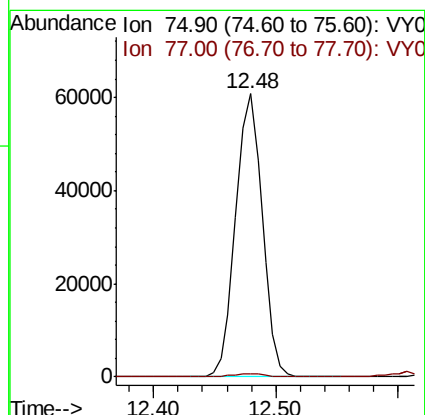
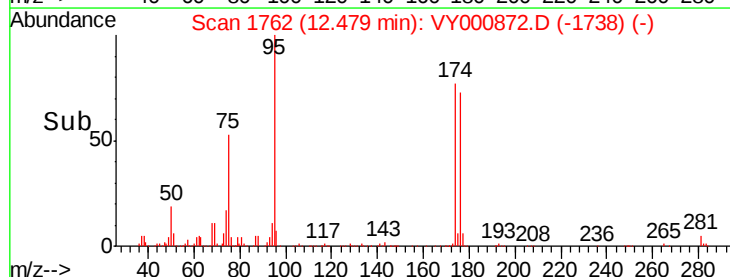
75 100

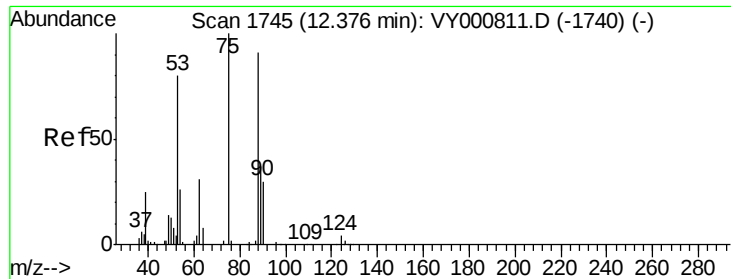
77 1.3 0.0 0.0#



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: 94.803 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000872.D

Acq: 05 Dec 2019 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY1205SBL01

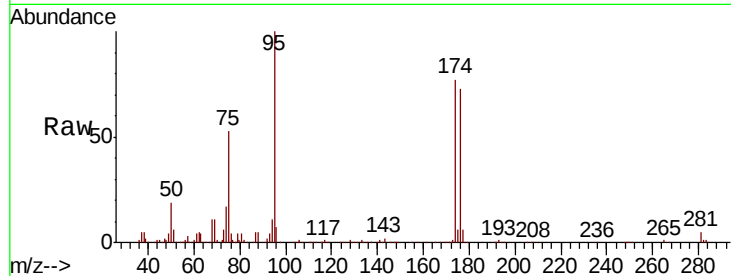
Tot Ion: 75 Resp: 91597

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 33.6 50.4#



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

