

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
 Data File : VY001335.D
 Acq On : 22 Jan 2020 16:52
 Operator : SY/MD
 Sample : L1216-07
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 01:15:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:09:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	23195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	37796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	28939	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	11313	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	9526	37.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.48%	
35) Dibromofluoromethane	7.75	113	9405	42.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.80%	
50) Toluene-d8	10.19	98	42633	49.47	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.49	95	11951	34.82	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	69.64%	

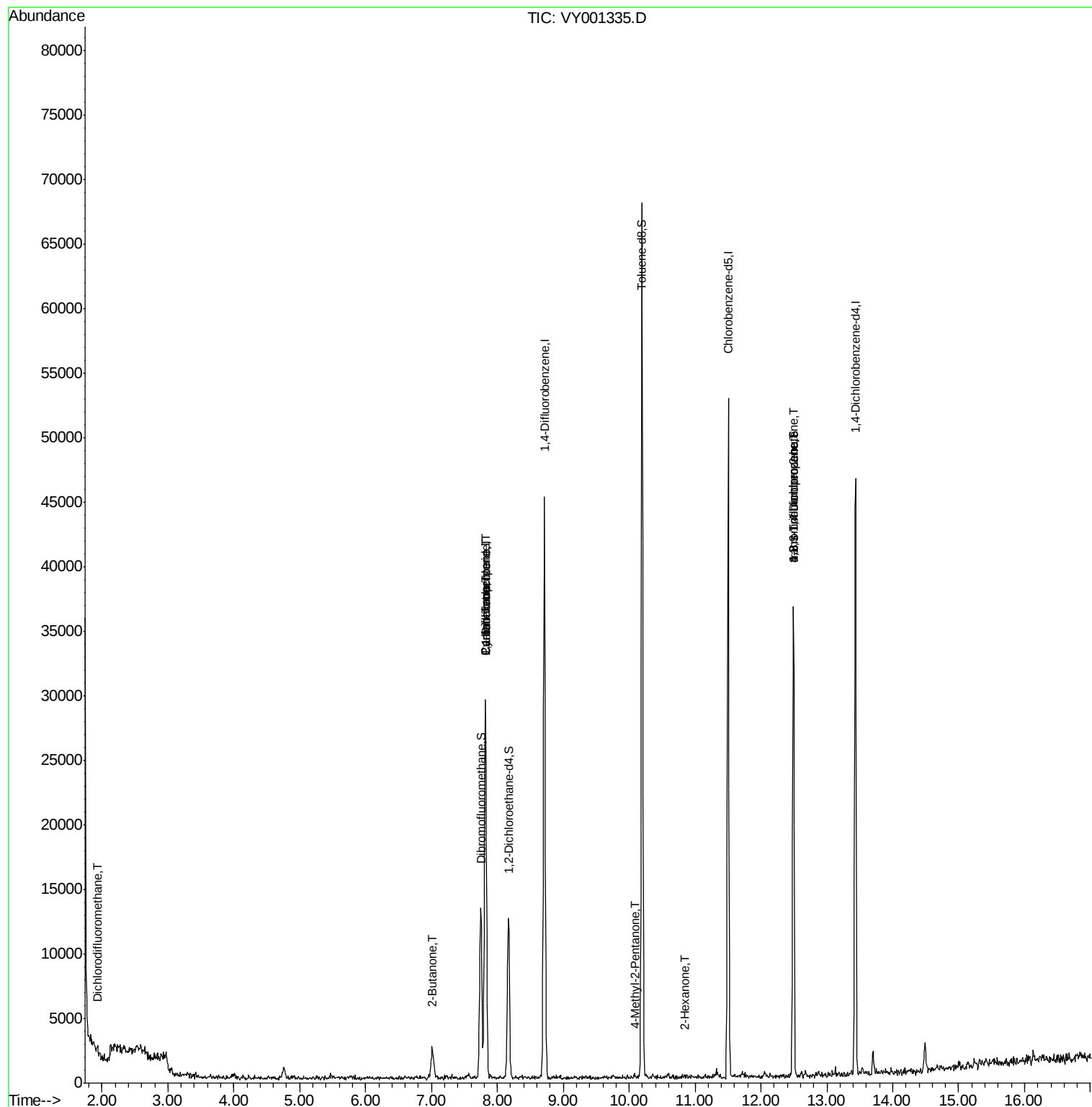
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	311	1.700	ug/l	79
13) Acrolein	3.83	56	29	Below Cal	#	15
16) Acetone	3.97	43	214	Below Cal		97
20) Methylene Chloride	4.76	84	432	Below Cal	#	82
25) 2-Butanone	7.02	43	216	1.966	ug/l #	49
31) Cyclohexane	7.82	56	576	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	1854	5.192	ug/l #	41
38) Carbon Tetrachloride	7.82	117	2189	6.879	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	249	1.140	ug/l #	36
59) 2-Hexanone	10.85	43	200	1.315	ug/l #	24
76) 1,2,3-Trichloropropane	12.49	75	5946	43.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	5946	82.541	ug/l #	14

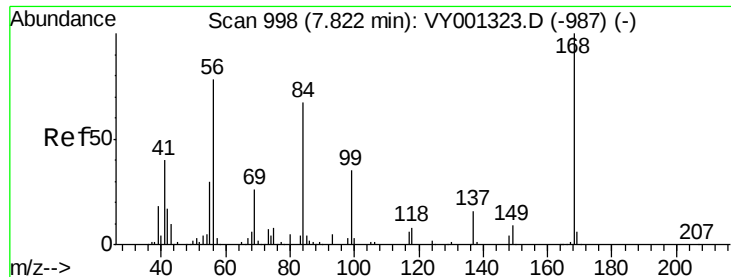
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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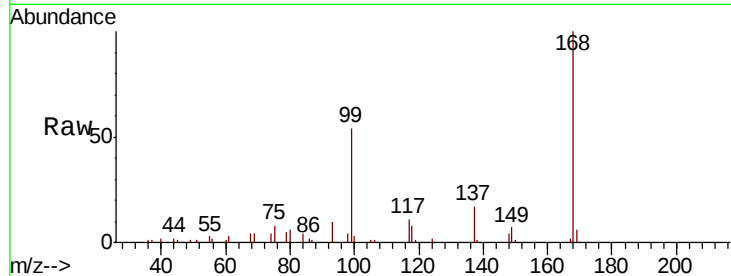


#1

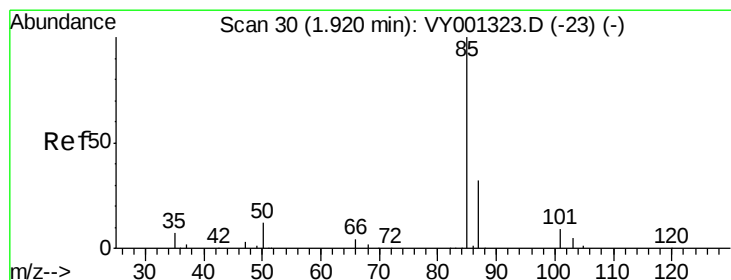
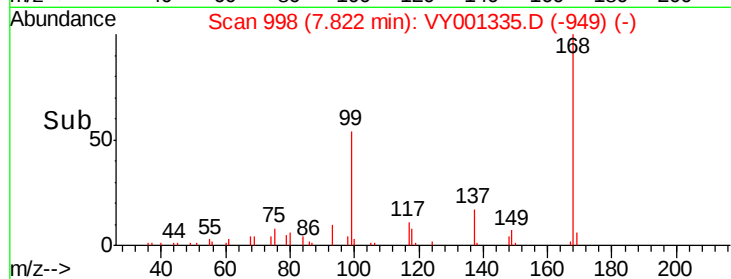
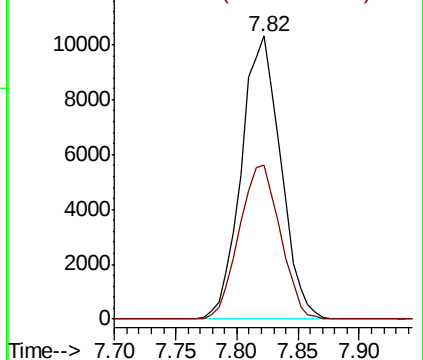
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VY001335.D
 Acq: 22 Jan 2020 16:52

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:168 Resp: 23195
 Ion Ratio Lower Upper
 168 100
 99 54.3 44.3 66.5



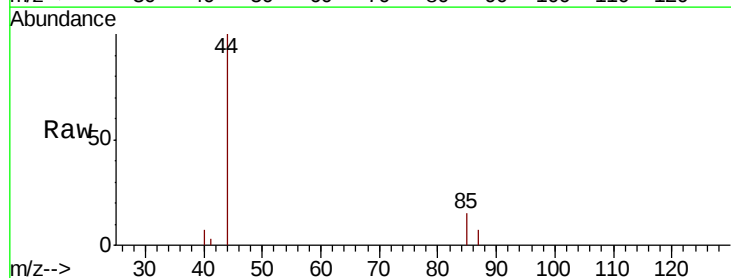
Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)
 Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)



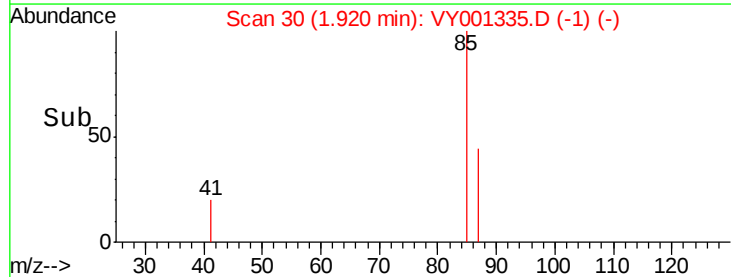
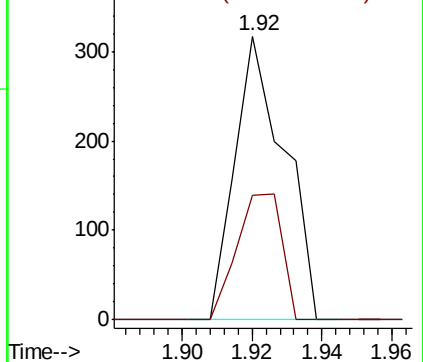
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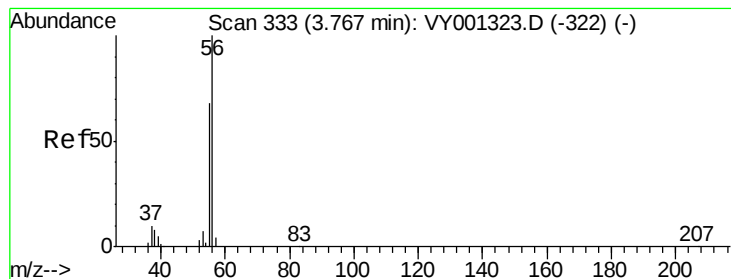
Dichlorodifluoromethane
 Concen: 1.700 ug/l
 RT: 1.92 min Scan# 30
 Delta R.T. 0.00 min
 Lab File: VY001335.D
 Acq: 22 Jan 2020 16:52

Tgt Ion: 85 Resp: 311
 Ion Ratio Lower Upper
 85 100
 87 43.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)
 Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.83 min Scan# 343

Delta R.T. 0.07 min

Lab File: VY001335.D

Acq: 22 Jan 2020 16:52

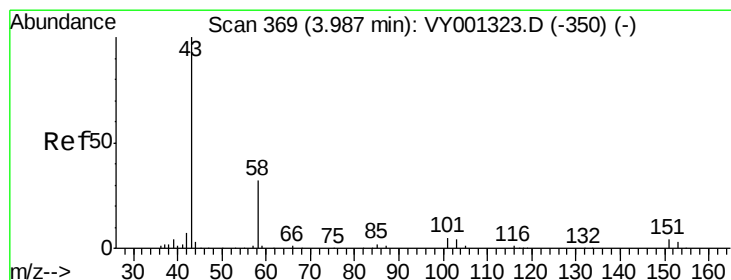
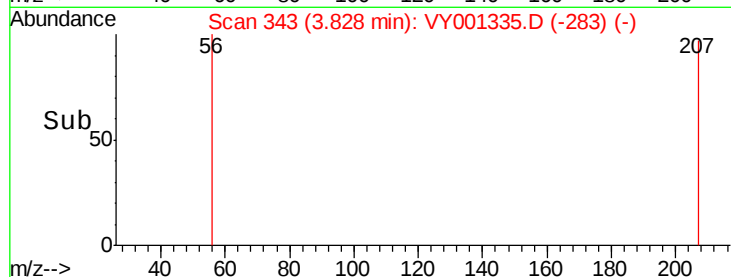
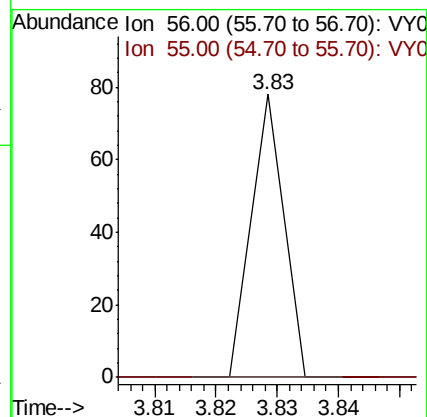
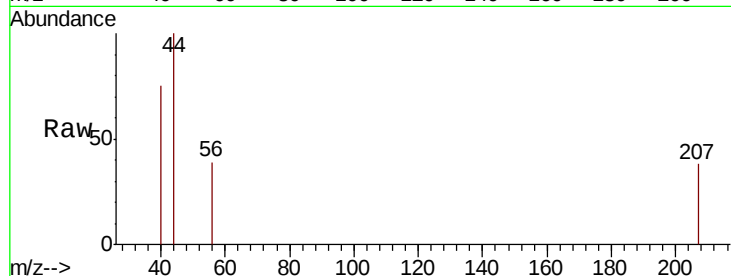
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



#16

Acetone

Concen: Below Cal

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001335.D

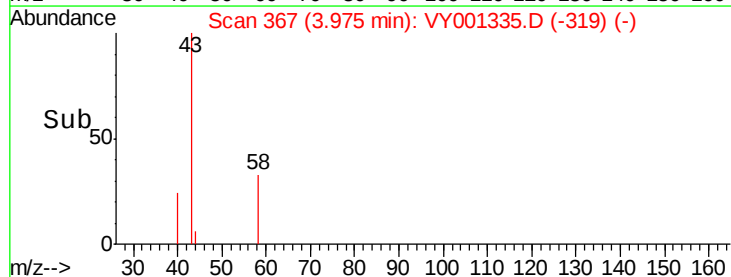
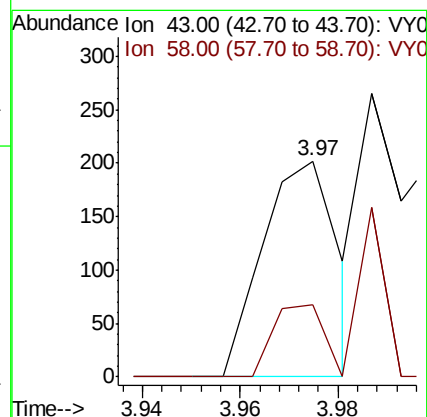
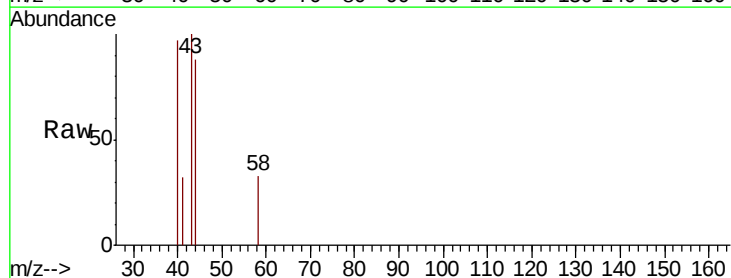
Acq: 22 Jan 2020 16:52

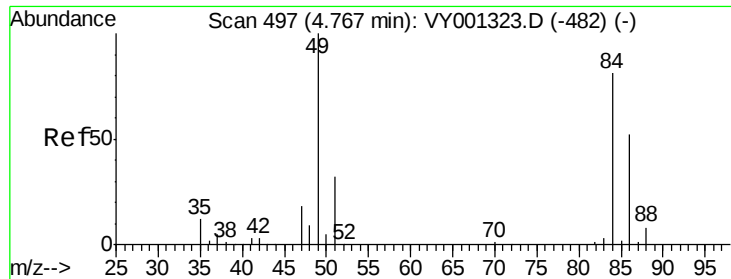
Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

43 100

58 33.2 25.4 38.0

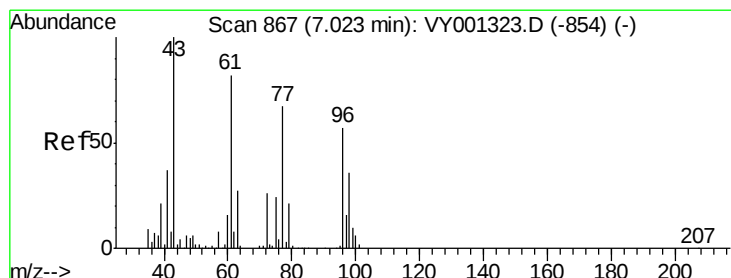
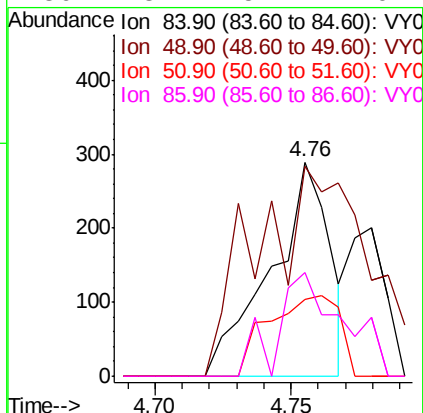
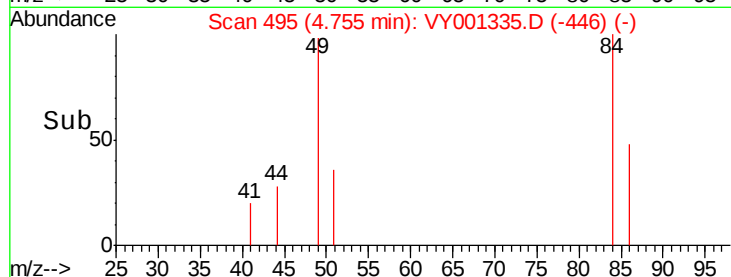
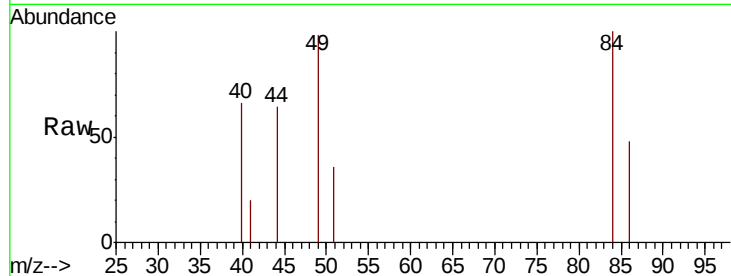




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.76 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY001335.D
Acq: 22 Jan 2020 16:52

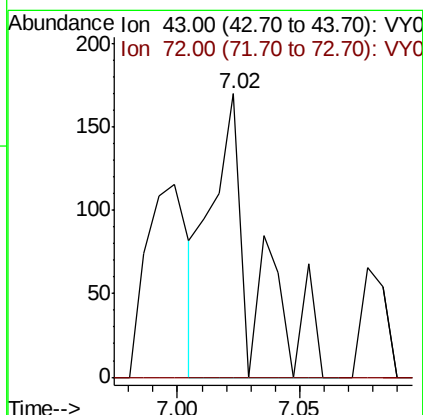
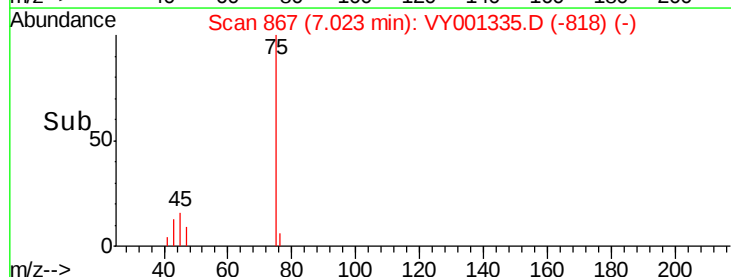
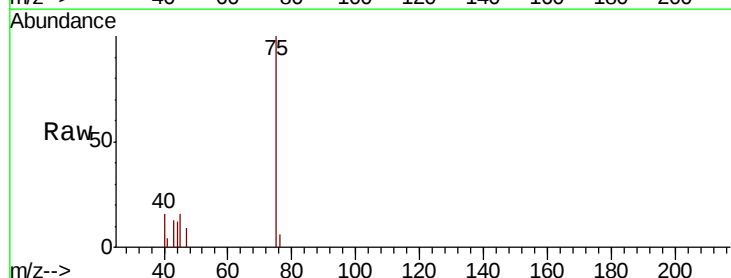
Instrument :
MSVOA_Y
ClientSampleId :

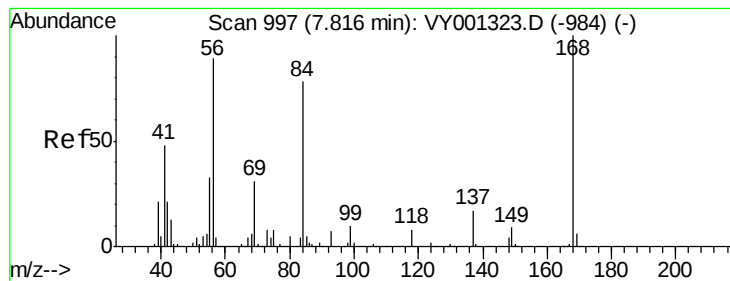
Tot Ion: 84 Resp: 432
Ion Ratio Lower Upper
84 100
49 98.3 98.3 147.5#
51 36.0 31.6 47.4
86 48.4 51.1 76.7#



#25
2-Butanone
Concen: 1.966 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.00 min
Lab File: VY001335.D
Acq: 22 Jan 2020 16:52

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#





#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001335.D

Acq: 22 Jan 2020 16:52

Instrument :
MSVOA_Y
ClientSampled :

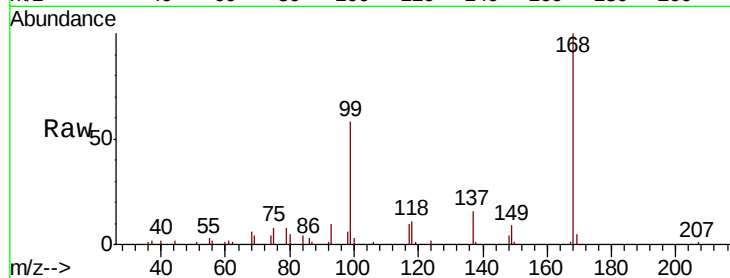
Tot Ion: 56 Resp: 576

Ion Ratio Lower Upper

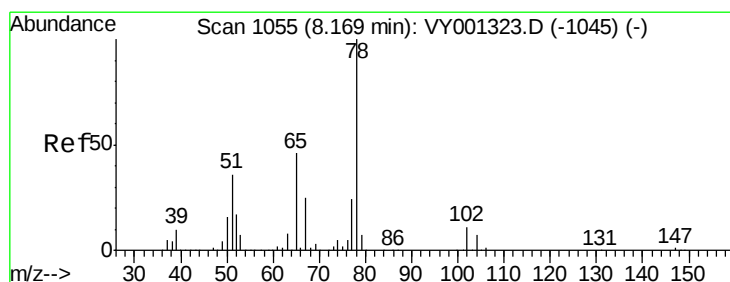
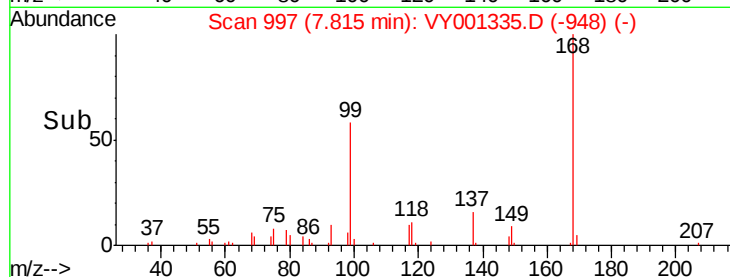
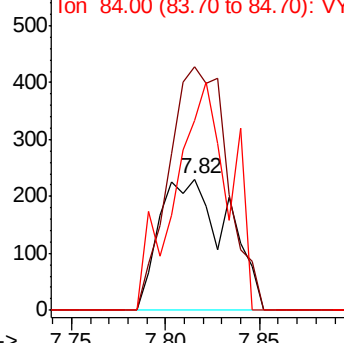
56 100

69 185.3 27.6 41.4#

84 144.6 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: 37.743 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VY001335.D

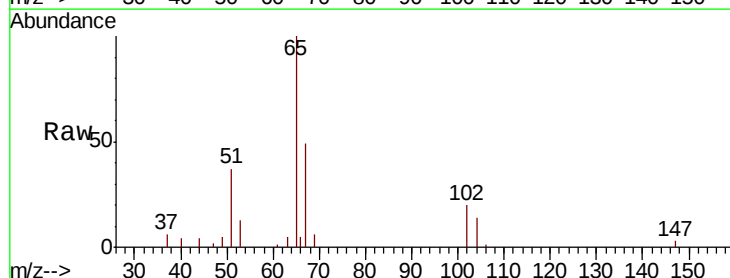
Acq: 22 Jan 2020 16:52

Tgt Ion: 65 Resp: 9526

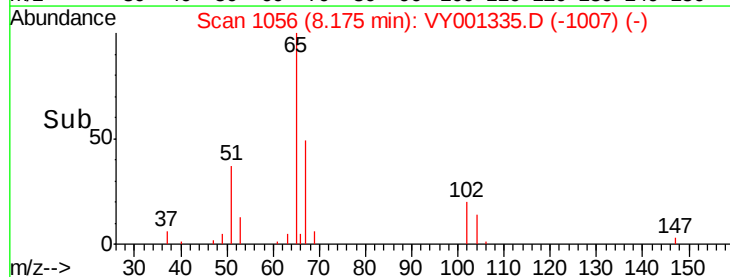
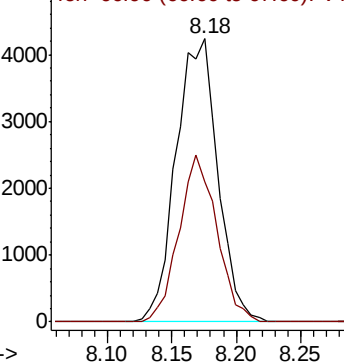
Ion Ratio Lower Upper

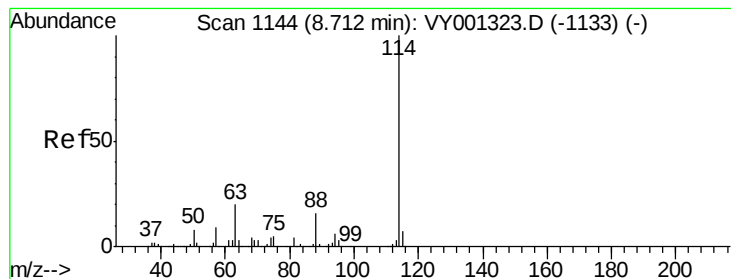
65 100

67 53.4 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: VY001335.D

Acq: 22 Jan 2020 16:52

Instrument :

MSVOA_Y

ClientSampled :

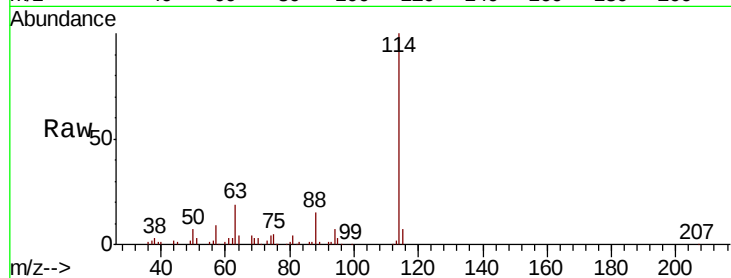
Tot Ion:114 Resp: 37796

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

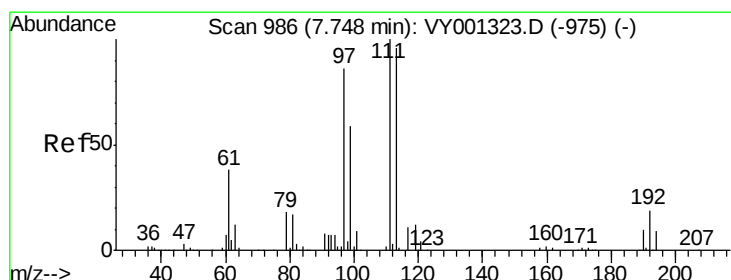
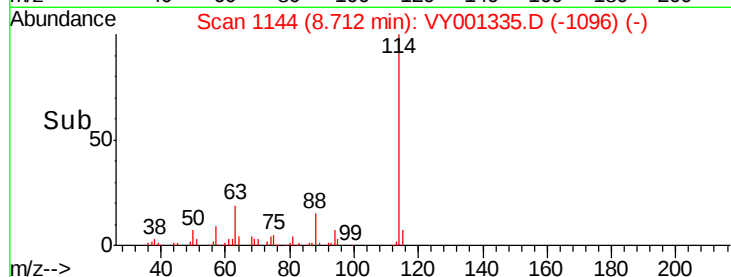
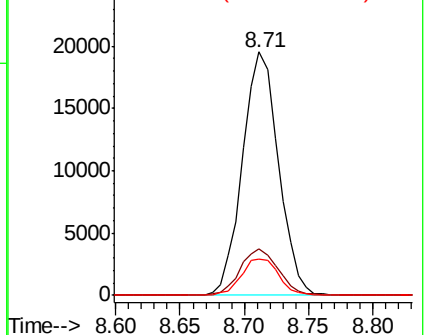
88 14.9 0.0 31.0



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: 42.397 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001335.D

Acq: 22 Jan 2020 16:52

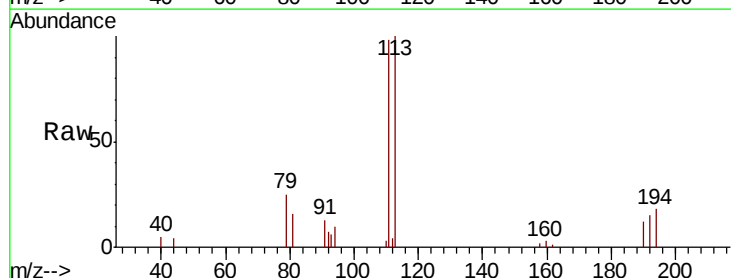
Tgt Ion:113 Resp: 9405

Ion Ratio Lower Upper

113 100

111 105.0 82.8 124.2

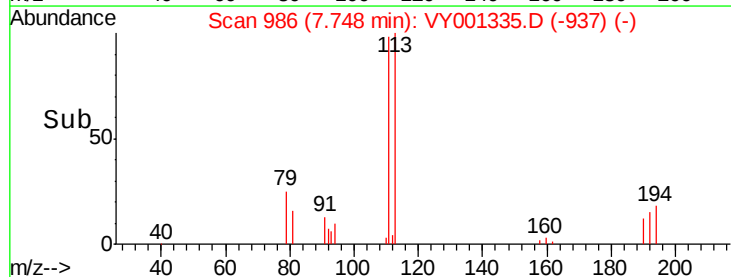
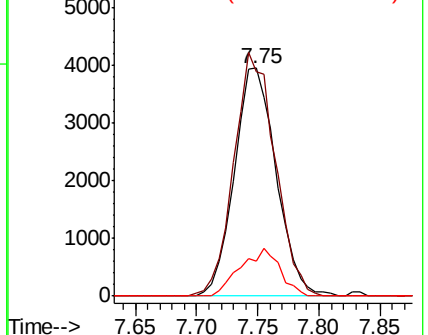
192 19.8 15.5 23.3

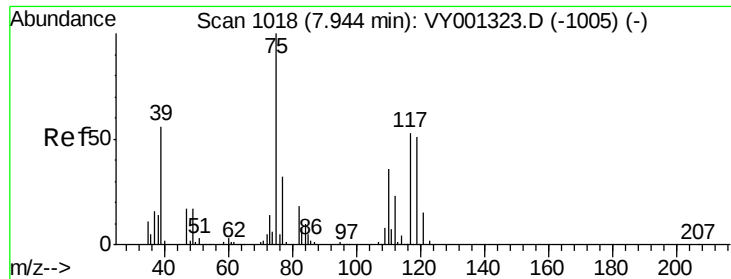


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

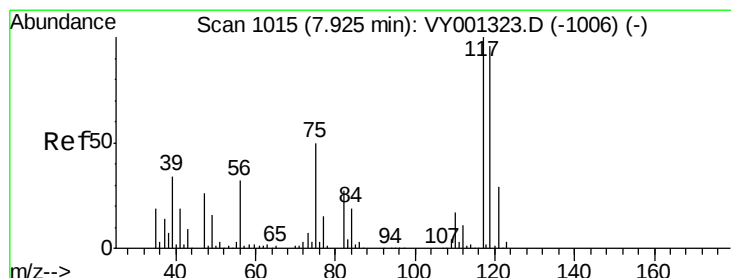
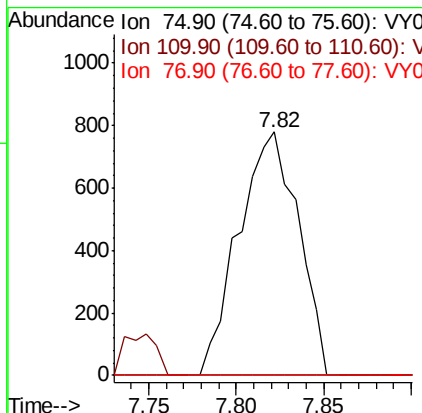
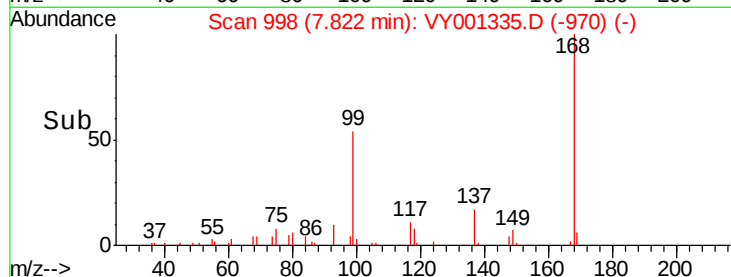
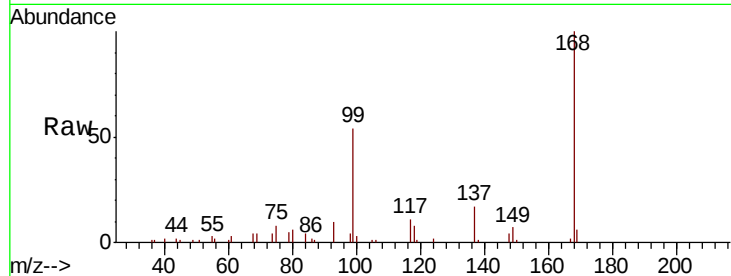




#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.13 min
 Lab File: VY001335.D
 Acq: 22 Jan 2020 16:52

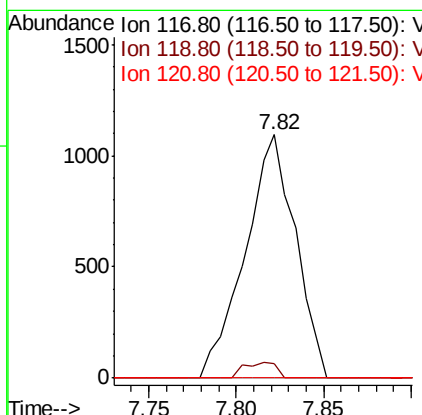
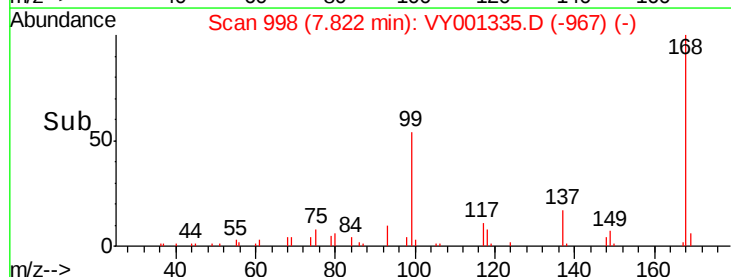
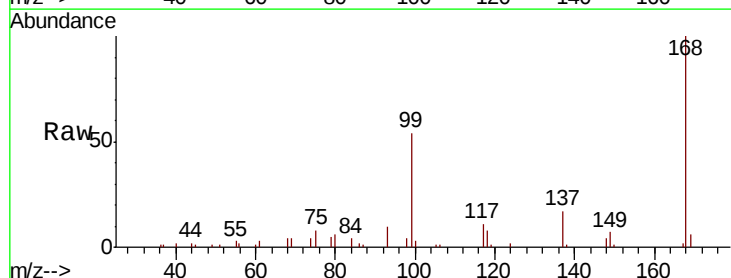
Instrument :
 MSVOA_Y
 ClientSampled :

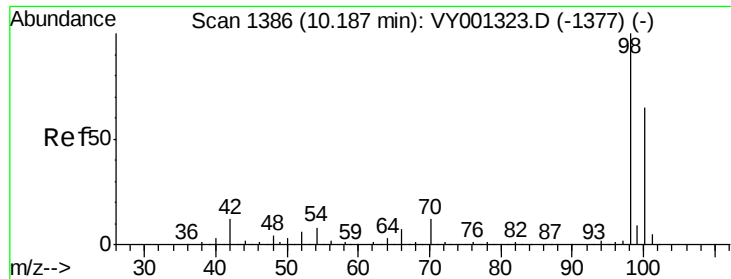
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.6	52.8#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.879 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.11 min
 Lab File: VY001335.D
 Acq: 22 Jan 2020 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 49.467 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY001335.D

Acq: 22 Jan 2020 16:52

Instrument :

MSVOA_Y

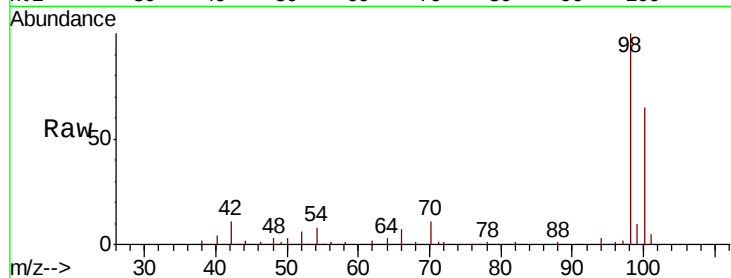
ClientSampled :

Tot Ion: 98 Resp: 42633

Ion Ratio Lower Upper

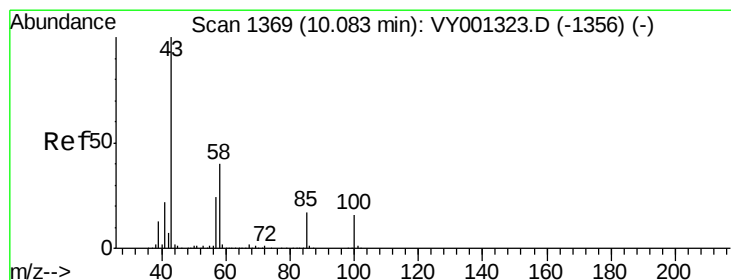
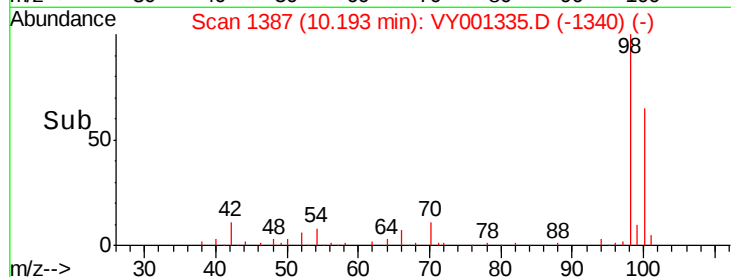
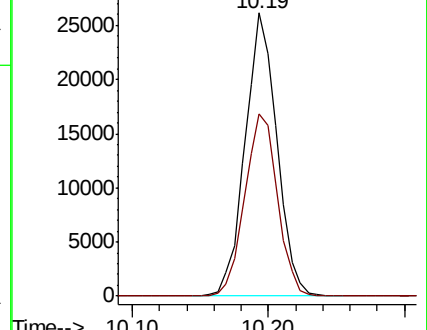
98 100

100 66.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001323.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001323.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.140 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VY001335.D

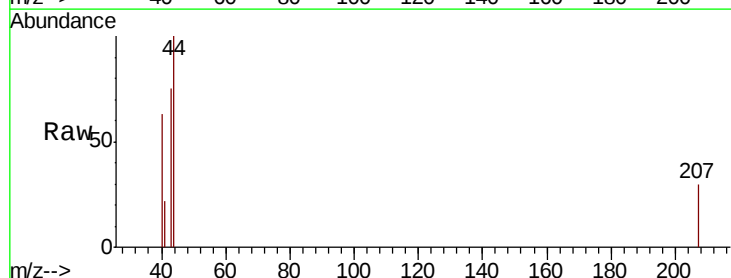
Acq: 22 Jan 2020 16:52

Tgt Ion: 43 Resp: 249

Ion Ratio Lower Upper

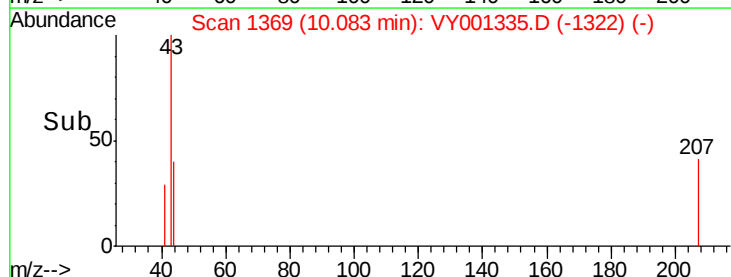
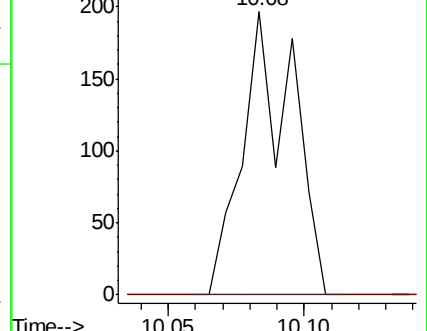
43 100

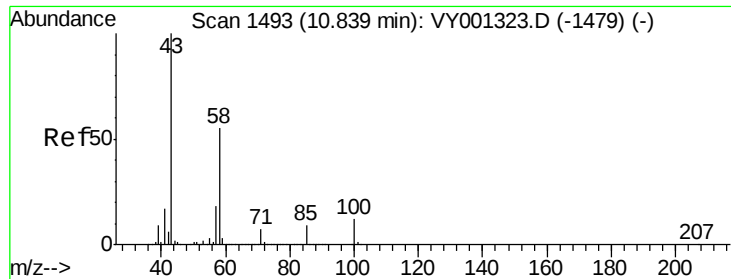
58 0.0 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VY001323.D (-1356) (-)

Ion 58.00 (57.70 to 58.70): VY001323.D (-1356) (-)

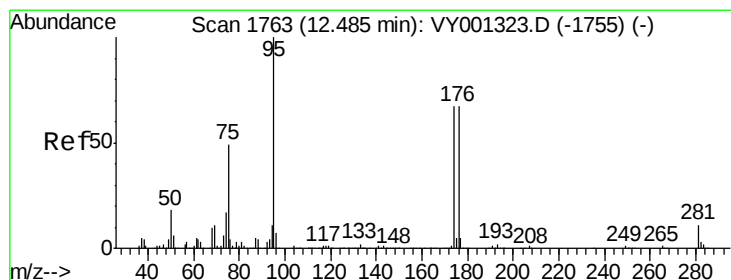
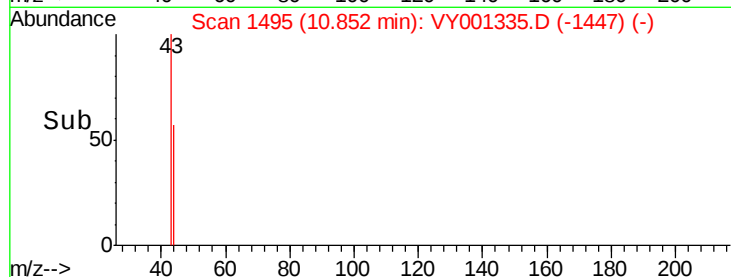
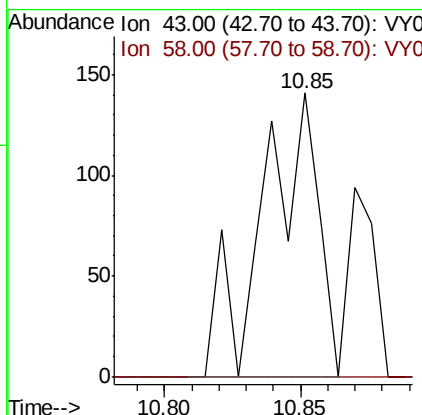
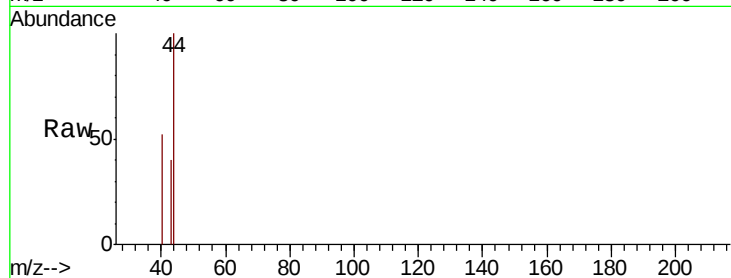




#59
2-Hexanone
Concen: 1.315 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VY001335.D
Acq: 22 Jan 2020 16:52

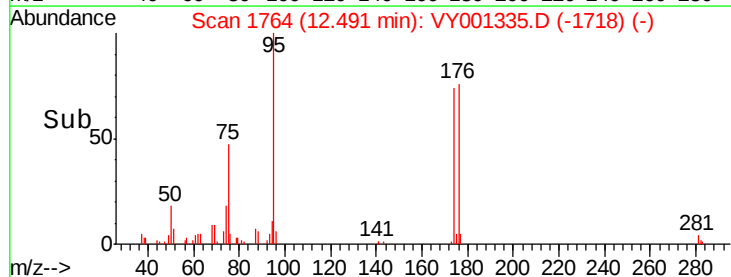
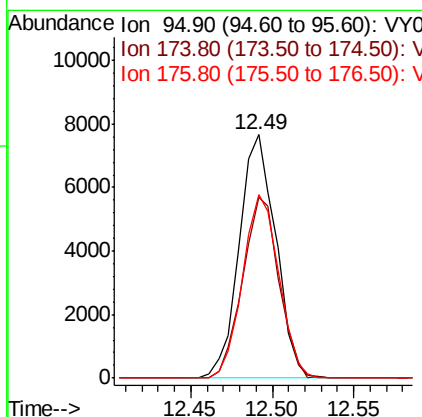
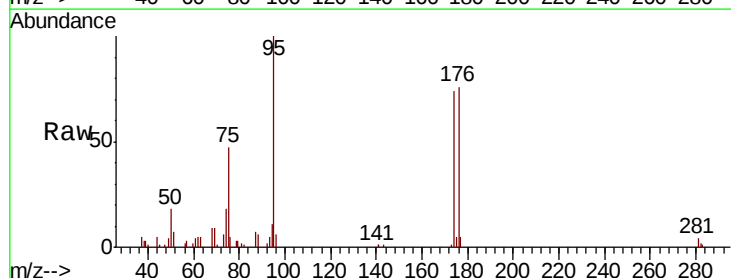
Instrument :
MSVOA_Y
ClientSampleId :

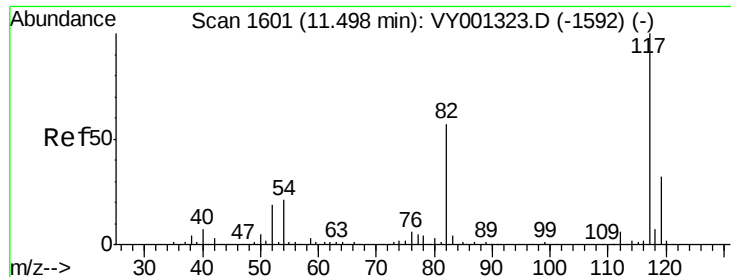
Tot Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 34.820 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.02 min
Lab File: VY001335.D
Acq: 22 Jan 2020 16:52

Tgt Ion: 95 Resp: 11951
Ion Ratio Lower Upper
95 100
174 74.0 0.0 142.0
176 75.0 0.0 138.6

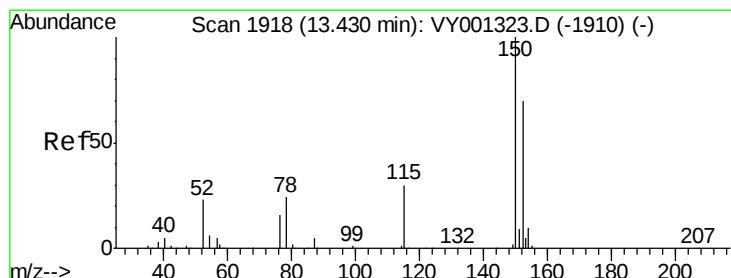
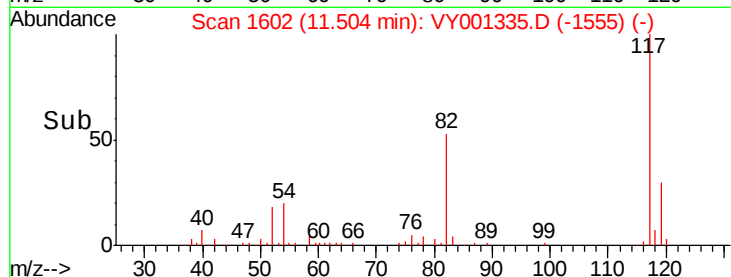
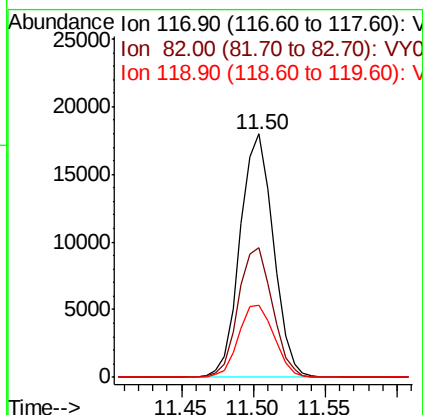
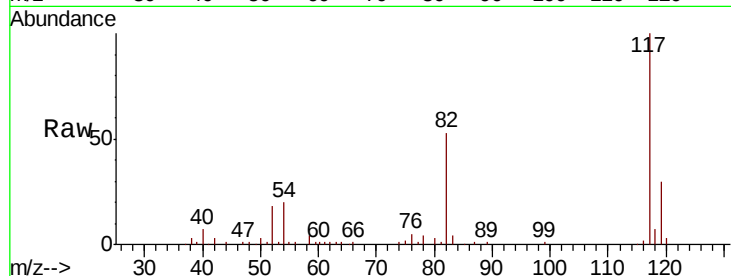




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VY001335.D
Acq: 22 Jan 2020 16:52

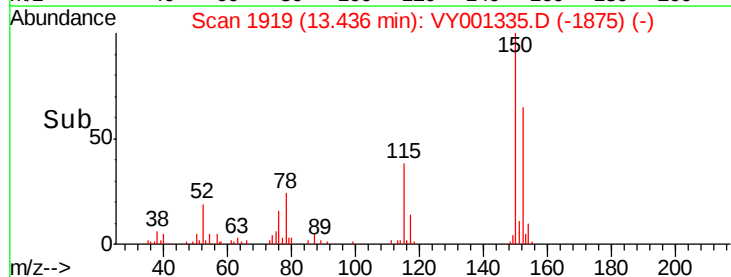
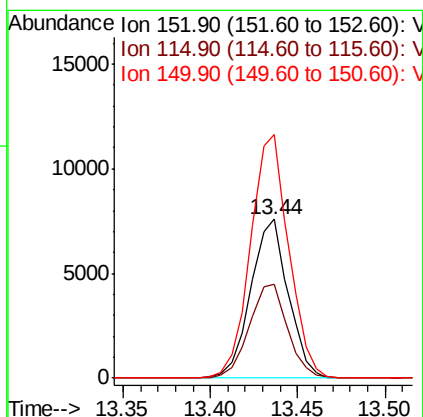
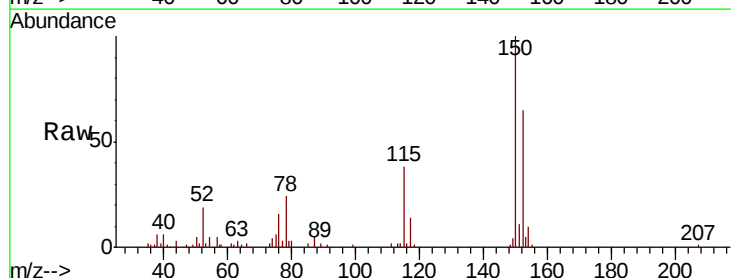
Instrument :
MSVOA_Y
ClientSampleId :

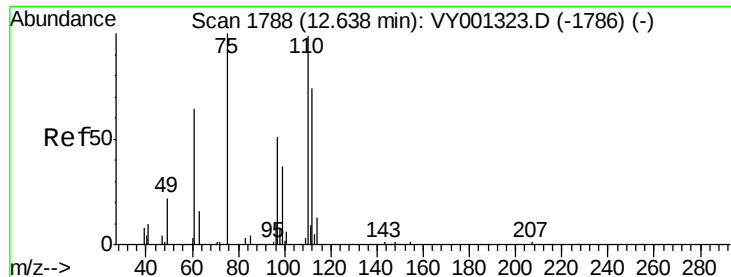
Tot Ion:117 Resp: 28939
Ion Ratio Lower Upper
117 100
82 53.1 45.5 68.3
119 29.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.03 min
Lab File: VY001335.D
Acq: 22 Jan 2020 16:52

Tgt Ion:152 Resp: 11313
Ion Ratio Lower Upper
152 100
115 60.3 30.9 92.8
150 156.0 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 43.617 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.17 min

Lab File: VY001335.D

Acq: 22 Jan 2020 16:52

Instrument :

MSVOA_Y

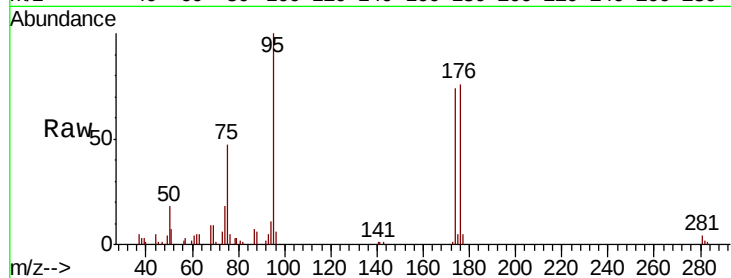
ClientSampled :

Tot Ion: 75 Resp: 5946

Ion Ratio Lower Upper

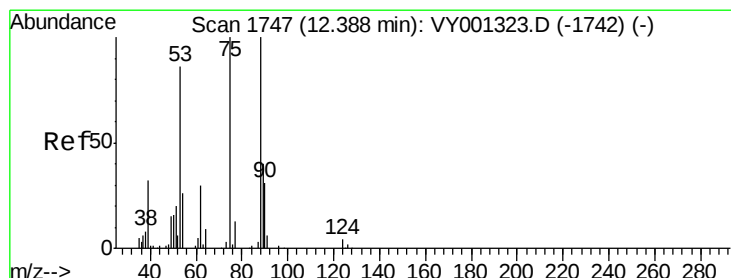
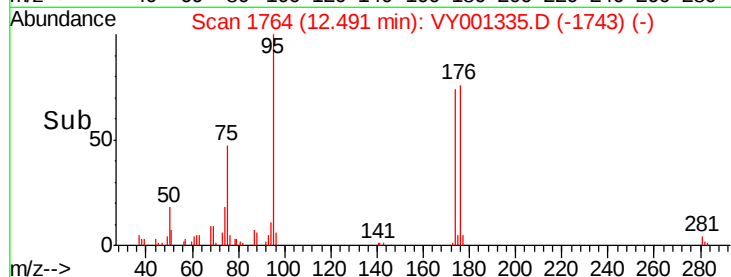
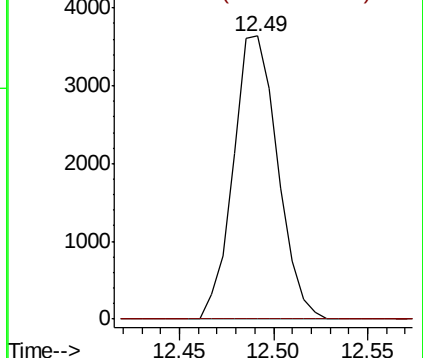
75 100

77 0.0 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: 82.541 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.09 min

Lab File: VY001335.D

Acq: 22 Jan 2020 16:52

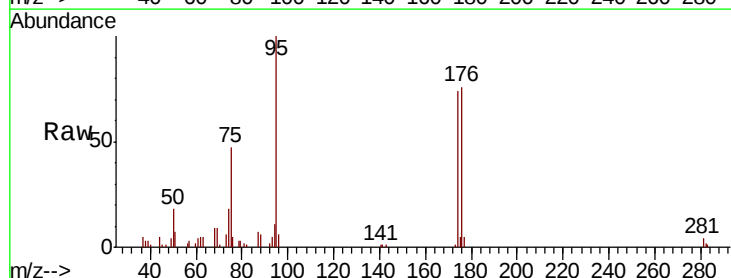
Tgt Ion: 75 Resp: 5946

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.0 36.6 54.8#



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

