

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
 Data File : VY001329.D
 Acq On : 22 Jan 2020 14:29
 Operator : SY/MD
 Sample : VY0122SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 01:12:36 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	179246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	328923	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	300892	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	133835	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	106591	54.65	ug/l	-0.01
Spiked Amount			Recovery	=	109.30%	
35) Dibromofluoromethane	7.74	113	97776	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.19	98	388953	51.86	ug/l	-0.01
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.49	95	142017	47.55	ug/l	-0.02
Spiked Amount			Recovery	=	95.10%	

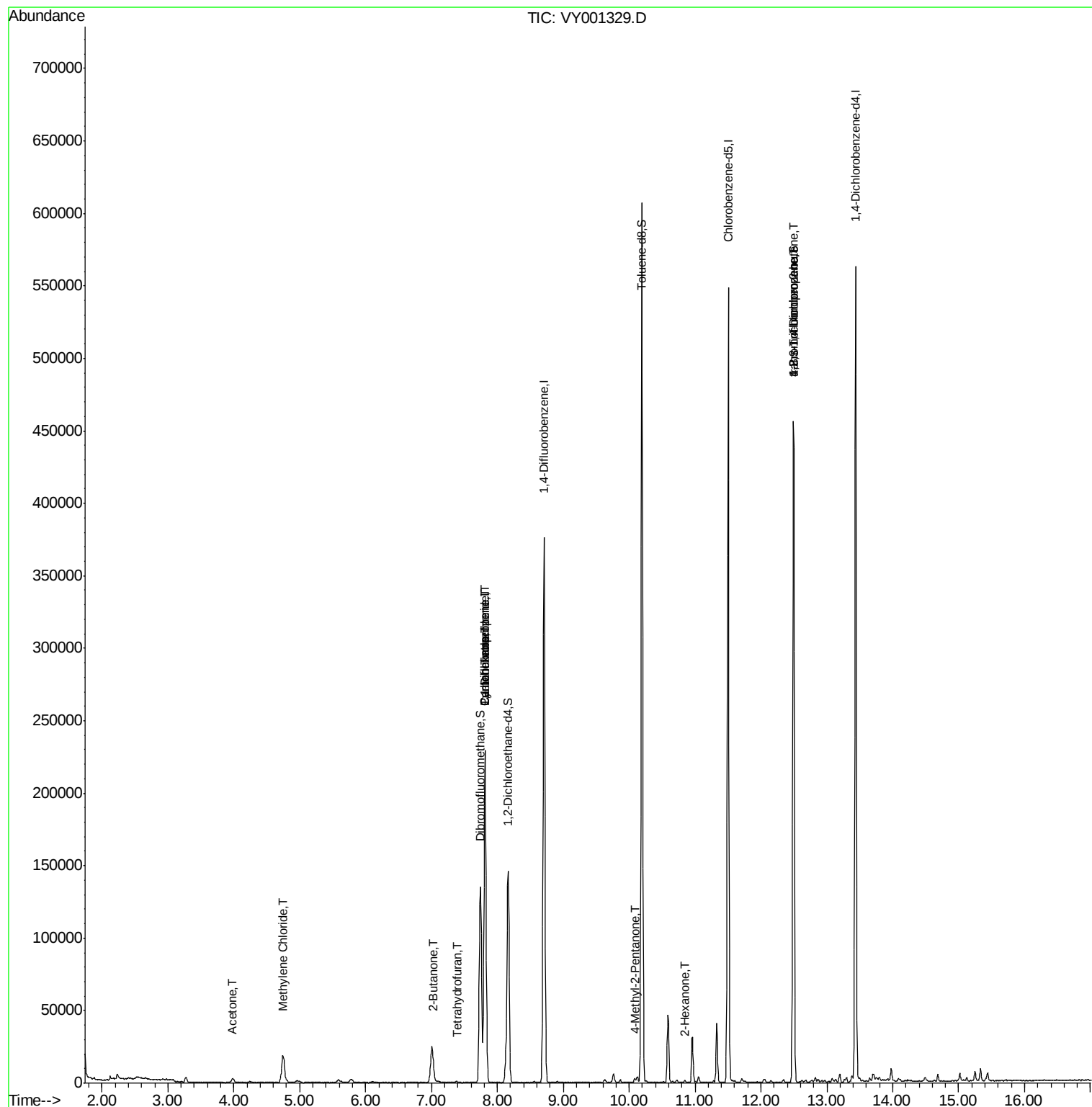
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1927	Below Cal	#	74
13) Acrolein	3.76	56	90	Below Cal		90
16) Acetone	3.98	43	5215	2.650	ug/l #	85
20) Methylene Chloride	4.75	84	13946	1.696	ug/l	96
25) 2-Butanone	7.03	43	2570	3.027	ug/l #	73
29) Tetrahydrofuran	7.38	42	625	1.132	ug/l #	61
31) Cyclohexane	7.82	56	3973	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	14301	4.602	ug/l #	50
38) Carbon Tetrachloride	7.81	117	17491	6.316	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	2627	1.382	ug/l	88
59) 2-Hexanone	10.84	43	1331	1.006	ug/l	70
76) 1,2,3-Trichloropropane	12.49	75	69639	43.181	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	69639	81.716	ug/l #	14

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

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ClientSampleId :

Quant Time: Jan 23 01:12:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:09:50 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: VY001329.D

Acq: 22 Jan 2020 14:29

Instrument :

MSVOA_Y

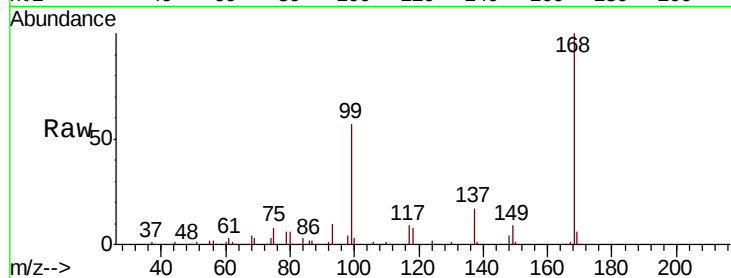
ClientSampleId :

Tot Ion:168 Resp: 179246

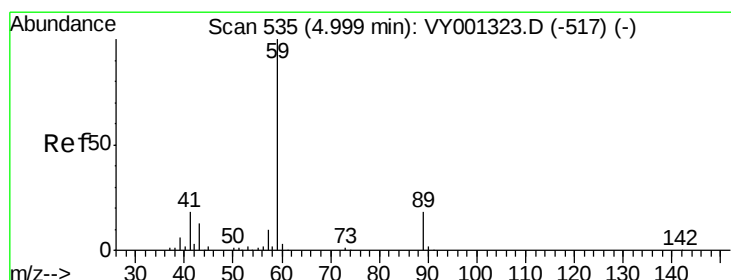
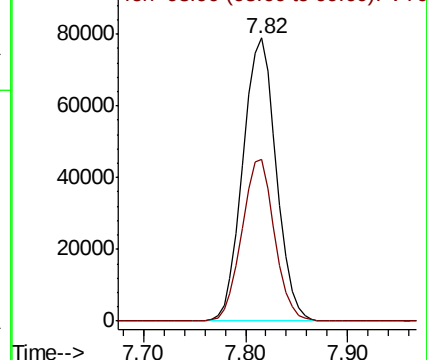
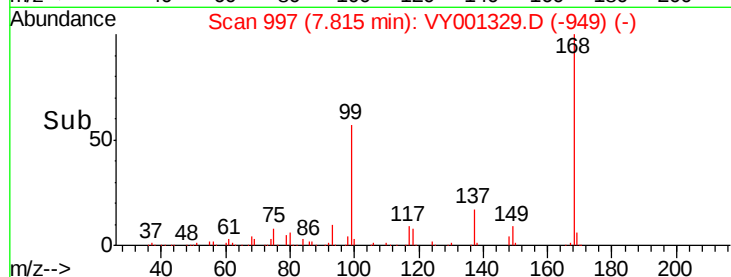
Ion Ratio Lower Upper

168 100

99 57.3 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001329.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.04 min

Lab File: VY001329.D

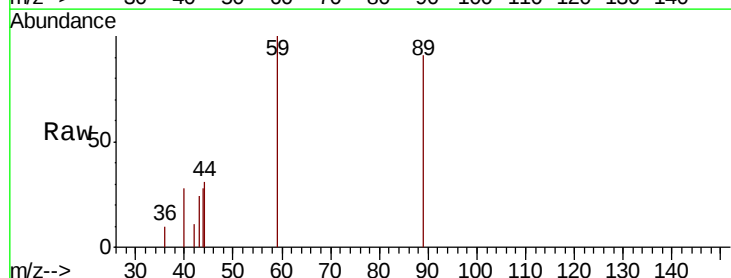
Acq: 22 Jan 2020 14:29

Tgt Ion: 59 Resp: 1927

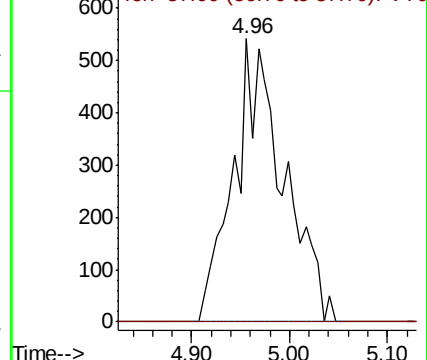
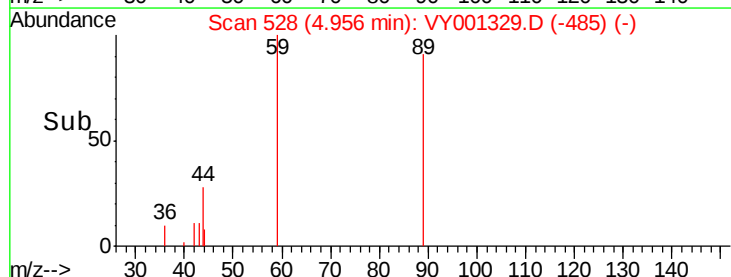
Ion Ratio Lower Upper

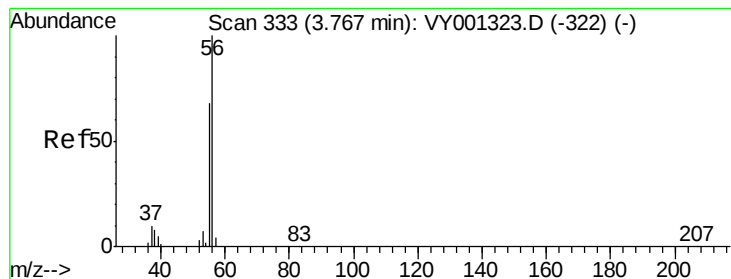
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001329.D (-485) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY001329.D

Acq: 22 Jan 2020 14:29

Instrument :

MSVOA_Y

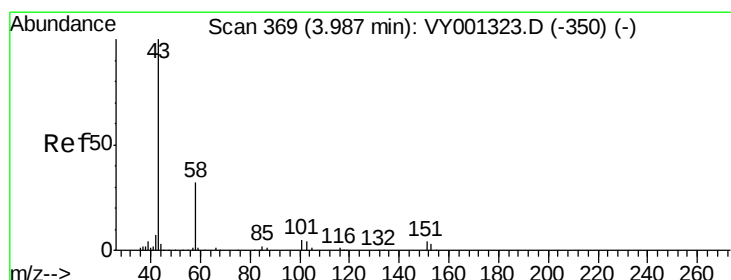
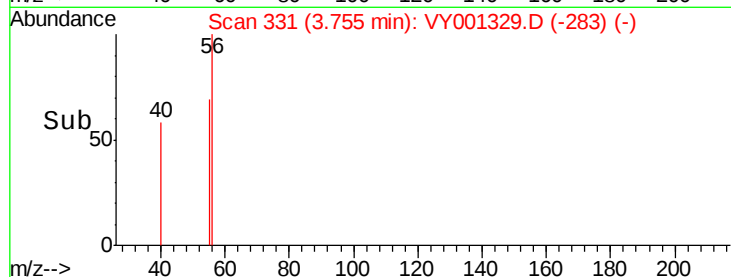
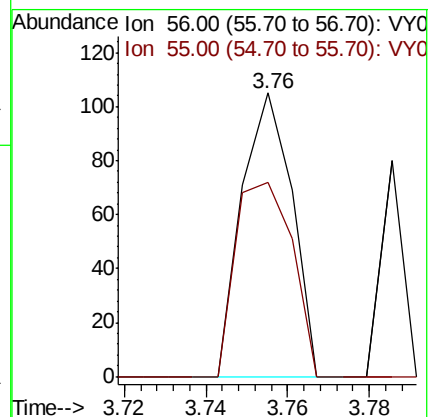
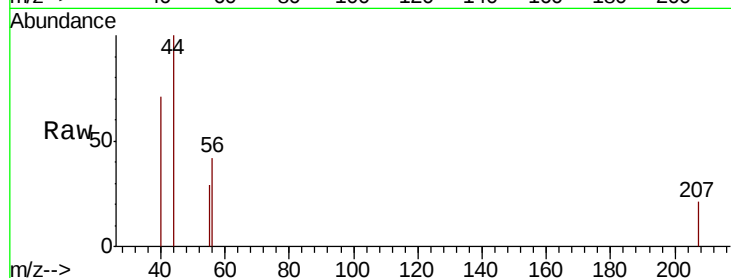
ClientSampleId :

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 77.8 55.9 83.9



#16

Acetone

Concen: 2.650 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.00 min

Lab File: VY001329.D

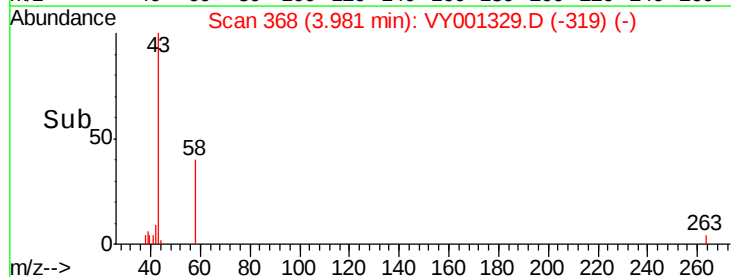
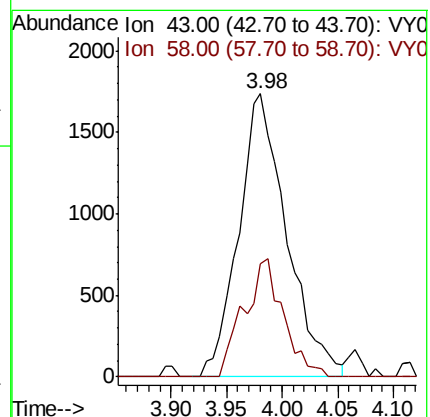
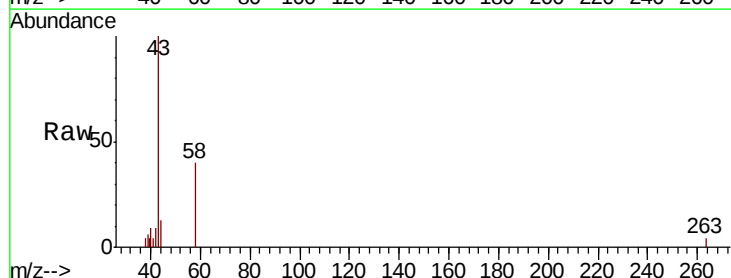
Acq: 22 Jan 2020 14:29

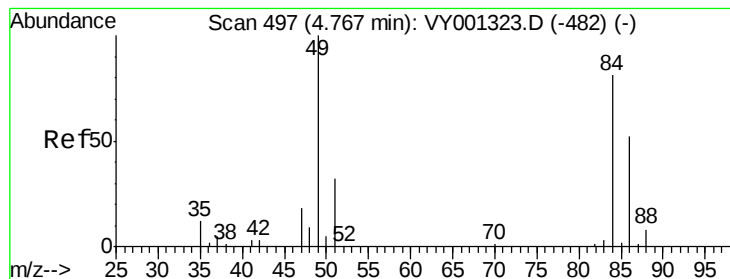
Tgt Ion: 43 Resp: 5215

Ion Ratio Lower Upper

43 100

58 40.1 25.4 38.0#





#20

Methvlene Chloride

Concen: 1.696 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY001329.D

Acq: 22 Jan 2020 14:29

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 13946

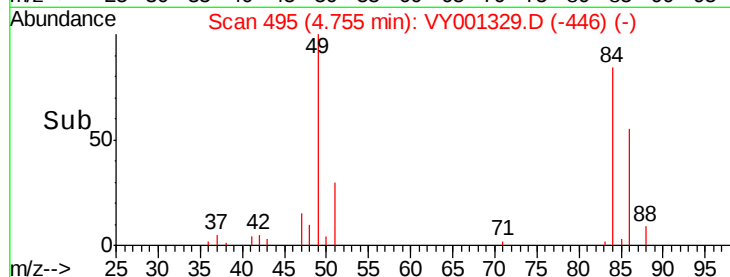
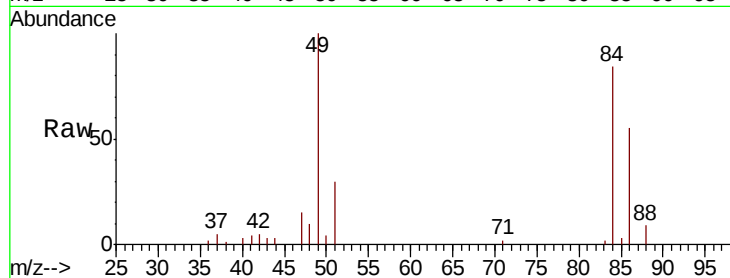
Ion Ratio Lower Upper

84 100

49 118.9 98.3 147.5

51 36.2 31.6 47.4

86 65.8 51.1 76.7

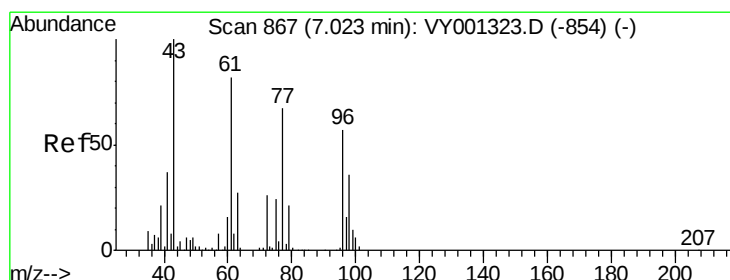
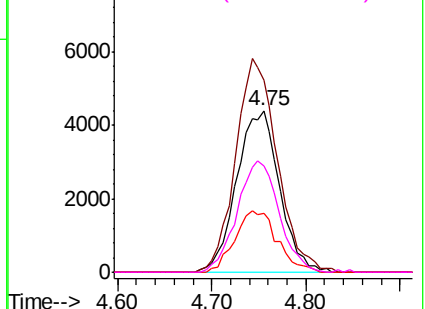


Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 3.027 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001329.D

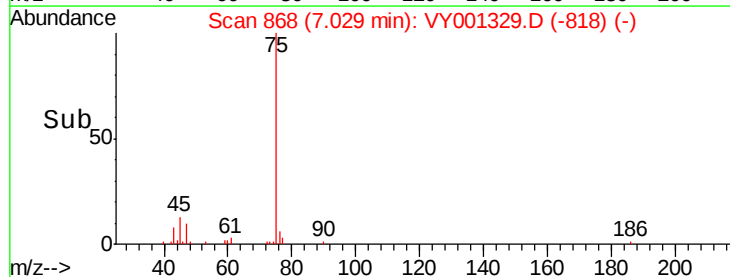
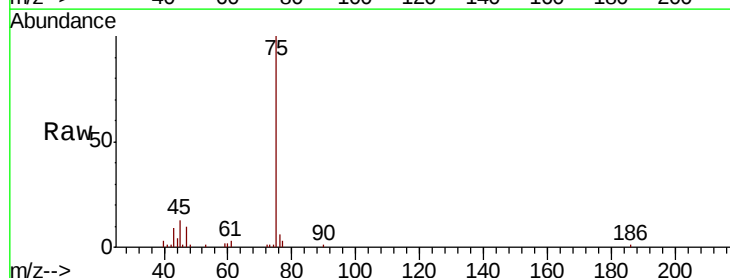
Acq: 22 Jan 2020 14:29

Tgt Ion: 43 Resp: 2570

Ion Ratio Lower Upper

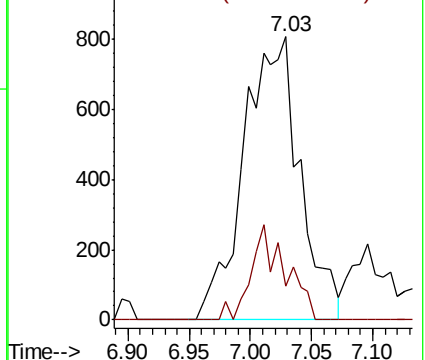
43 100

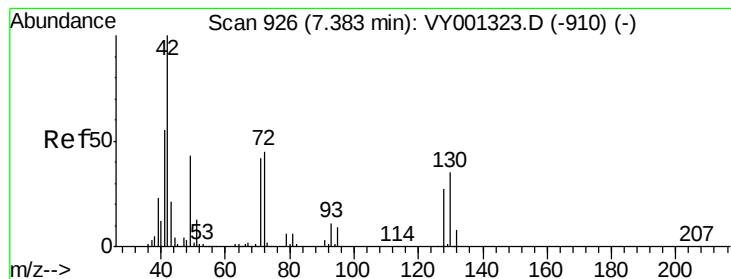
72 12.2 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#29

Tetrahydrofuran

Concen: 1.132 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.00 min

Lab File: VY001329.D

Acq: 22 Jan 2020 14:29

Instrument :

MSVOA_Y

ClientSampleId :

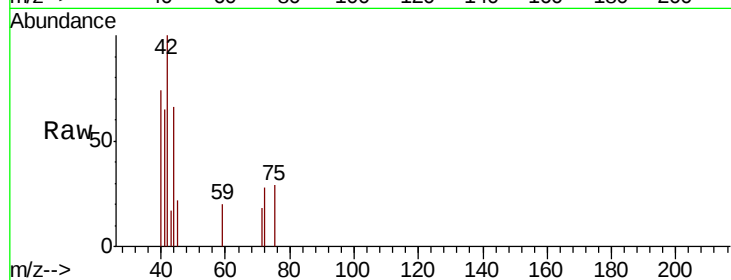
Tot Ion: 42 Resp: 625

Ion Ratio Lower Upper

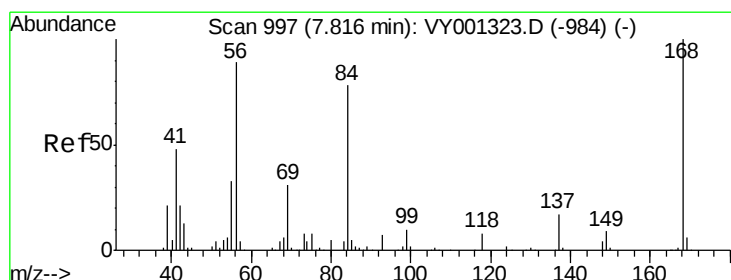
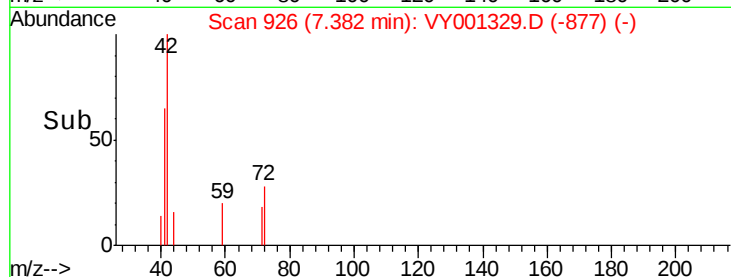
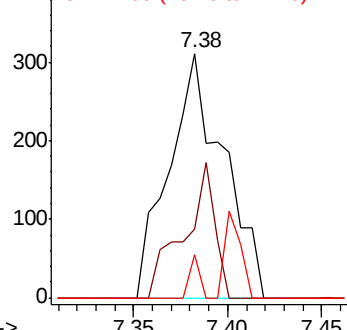
42 100

72 31.4 34.6 51.8#

71 3.2 32.6 48.8#



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: 1.053 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001329.D

Acq: 22 Jan 2020 14:29

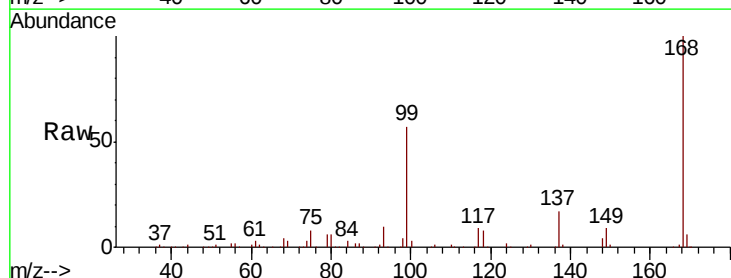
Tgt Ion: 56 Resp: 3973

Ion Ratio Lower Upper

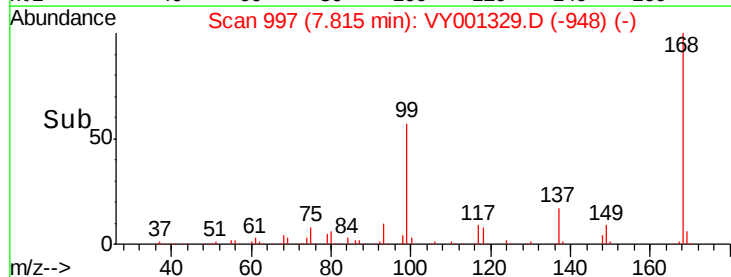
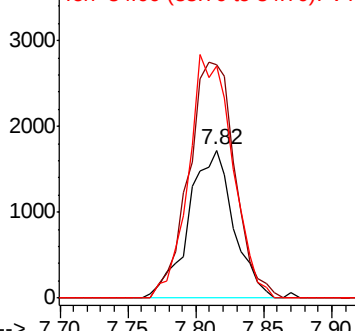
56 100

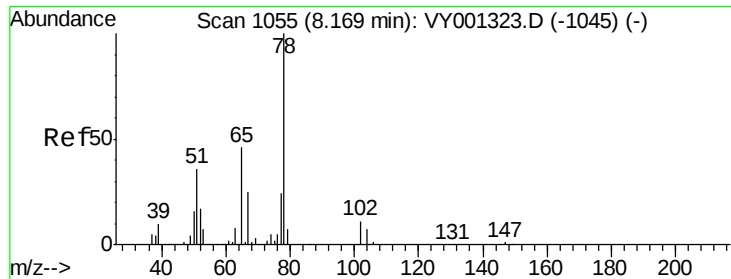
69 158.5 27.6 41.4#

84 157.0 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

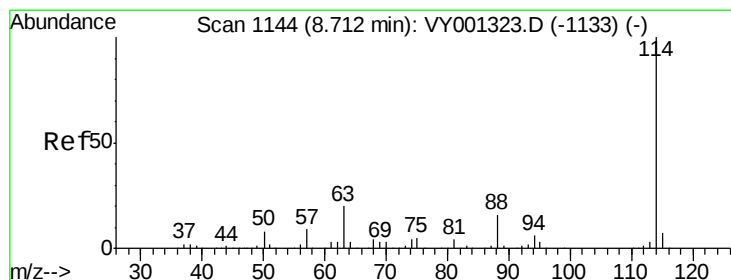
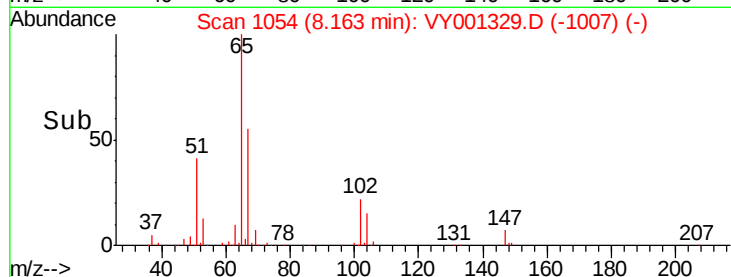
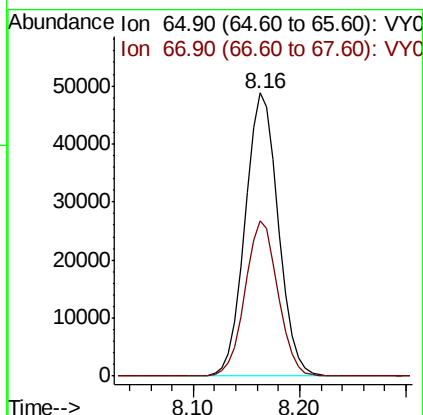
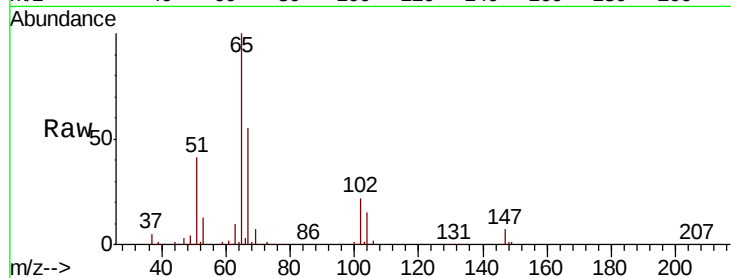




#33
 1,2-Dichloroethane-d4
 Concen: 54.650 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001329.D
 Acq: 22 Jan 2020 14:29

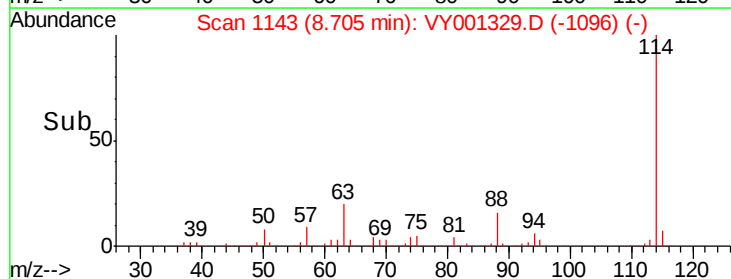
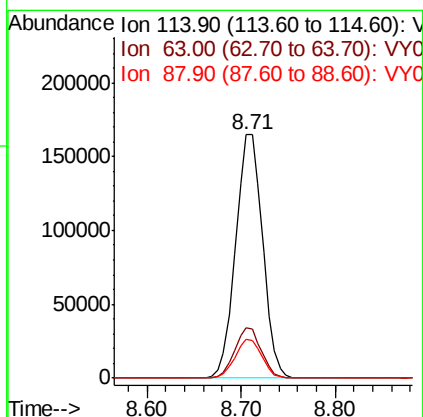
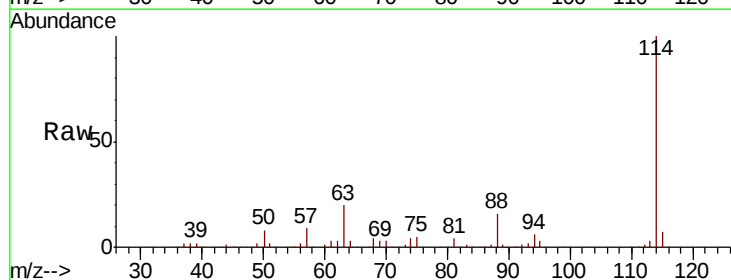
Instrument :
 MSVOA_Y
 ClientSampled :

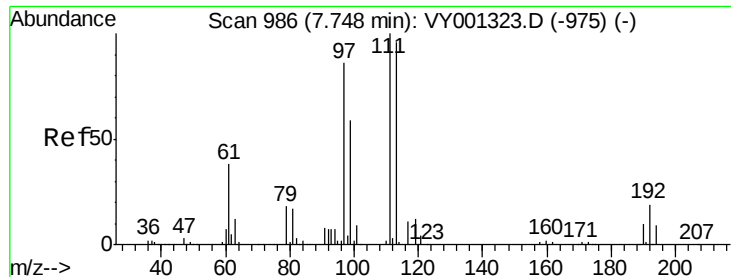
Tot Ion: 65 Resp: 106591
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001329.D
 Acq: 22 Jan 2020 14:29

Tgt Ion: 114 Resp: 328923
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.7 0.0 31.0

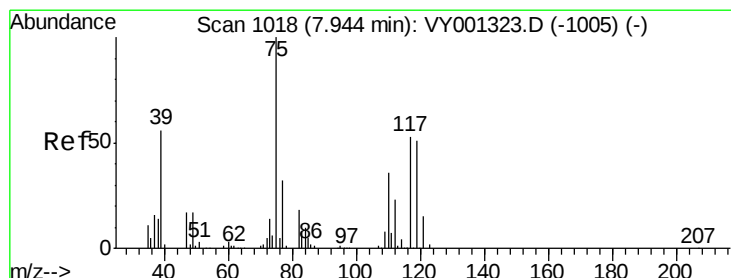
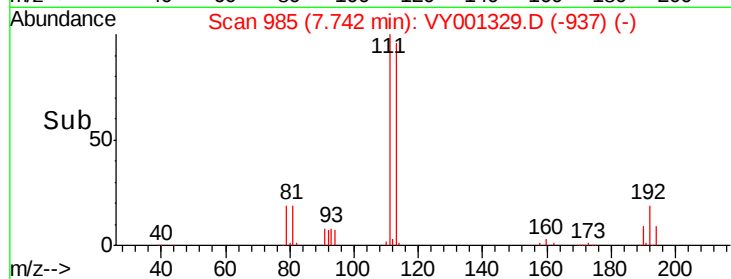
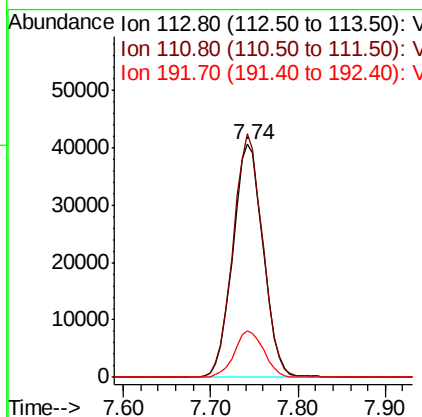
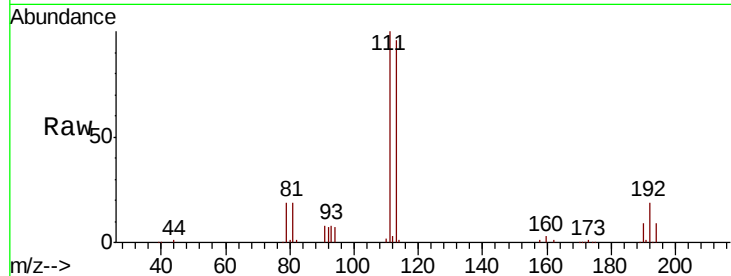




#35
 Dibromofluoromethane
 Concen: 50.648 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001329.D
 Acq: 22 Jan 2020 14:29

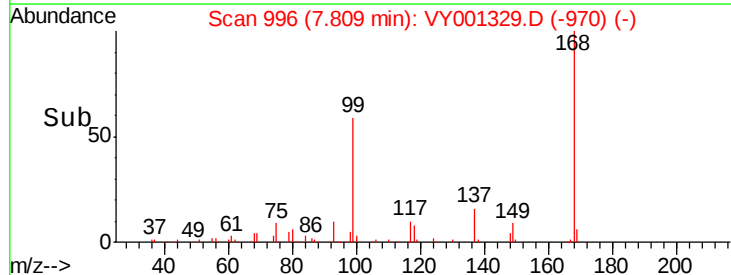
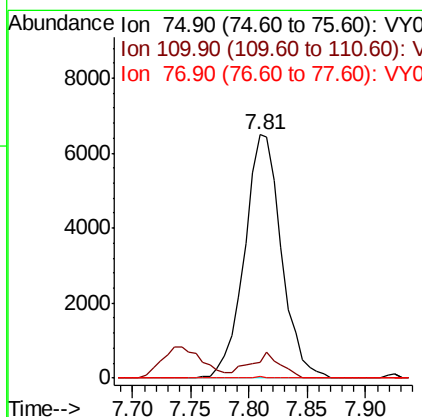
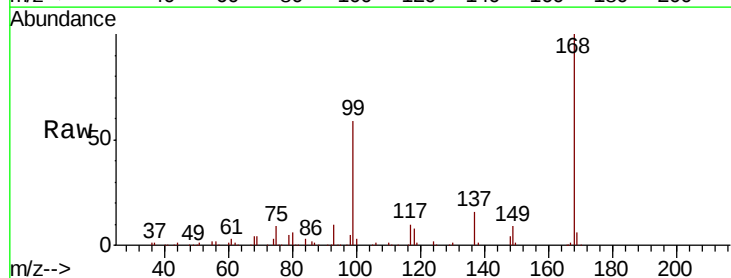
Instrument :
 MSVOA_Y
 ClientSampled :

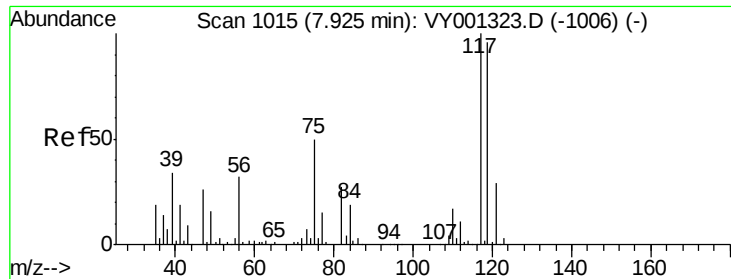
Tot Ion:113 Resp: 97776
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 19.4 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.602 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.14 min
 Lab File: VY001329.D
 Acq: 22 Jan 2020 14:29

Tgt Ion: 75 Resp: 14301
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.6 52.8#
 77 0.2 24.7 37.1#

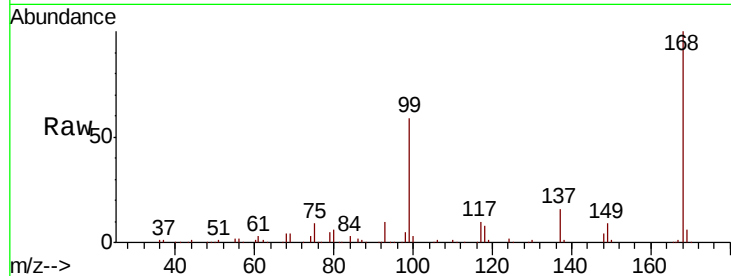




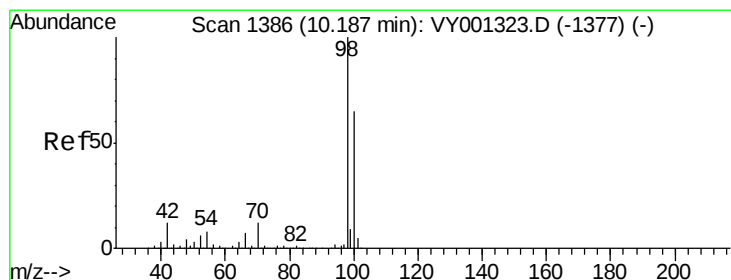
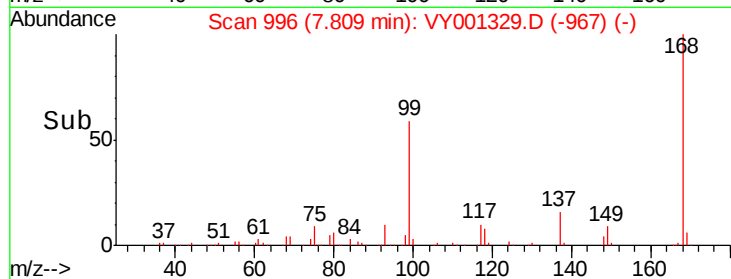
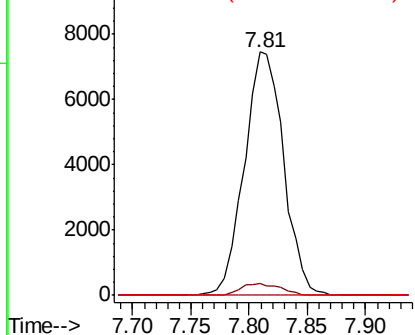
#38
Carbon Tetrachloride
Concen: 6.316 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001329.D
Acq: 22 Jan 2020 14:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 17491
Ion Ratio Lower Upper
117 100
119 5.1 76.3 114.5#
121 0.0 23.5 35.3#

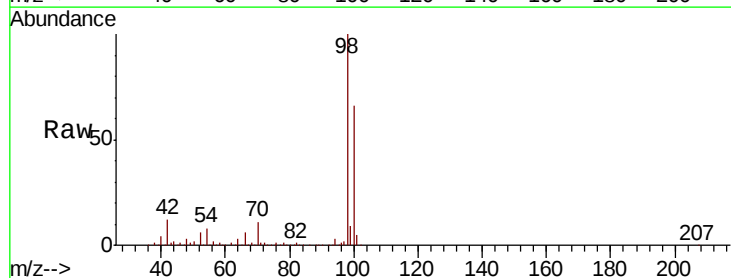


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

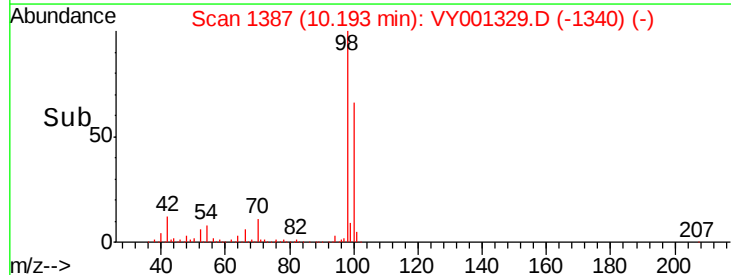
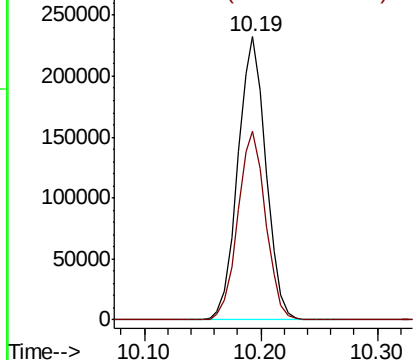


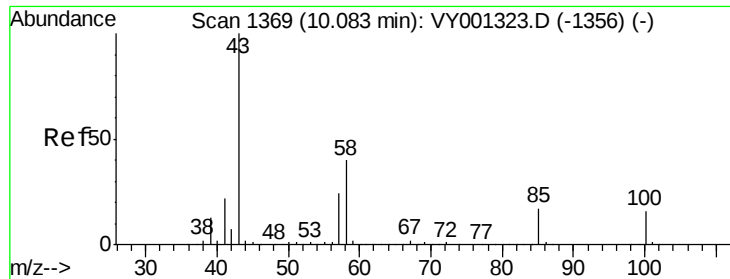
#50
Toluene-d8
Concen: 51.858 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY001329.D
Acq: 22 Jan 2020 14:29

Tgt Ion: 98 Resp: 388953
Ion Ratio Lower Upper
98 100
100 66.1 52.6 79.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.382 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. -0.01 min

Lab File: VY001329.D

Acq: 22 Jan 2020 14:29

Instrument :

MSVOA_Y

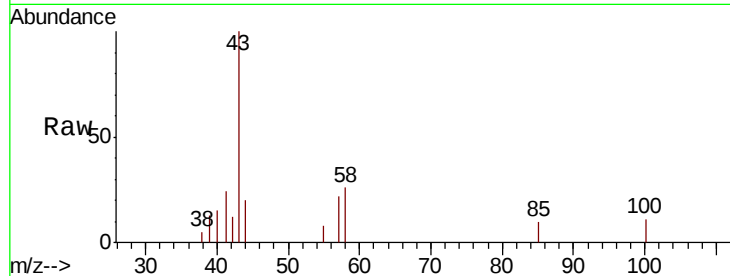
ClientSampled :

Tot Ion: 43 Resp: 2627

Ion Ratio Lower Upper

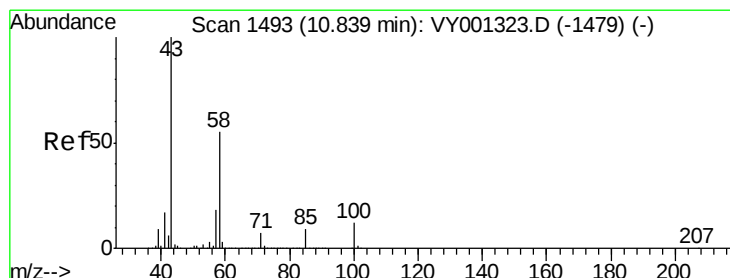
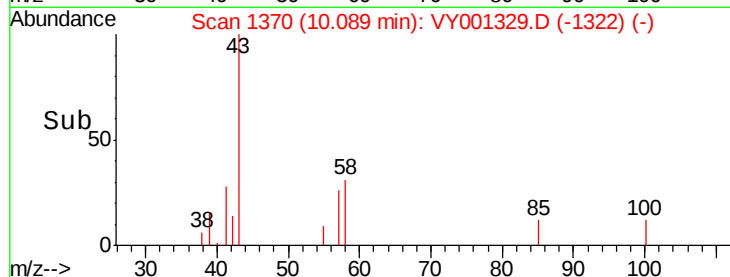
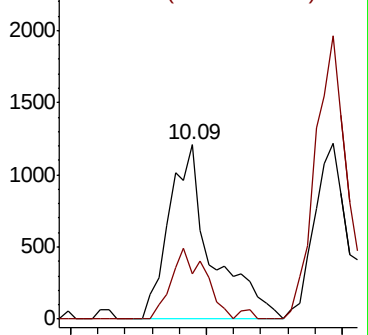
43 100

58 32.3 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: 1.006 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VY001329.D

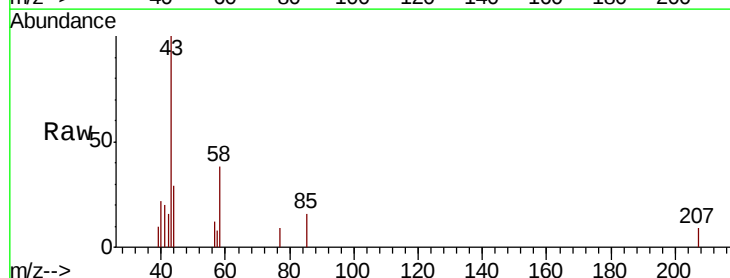
Acq: 22 Jan 2020 14:29

Tgt Ion: 43 Resp: 1331

Ion Ratio Lower Upper

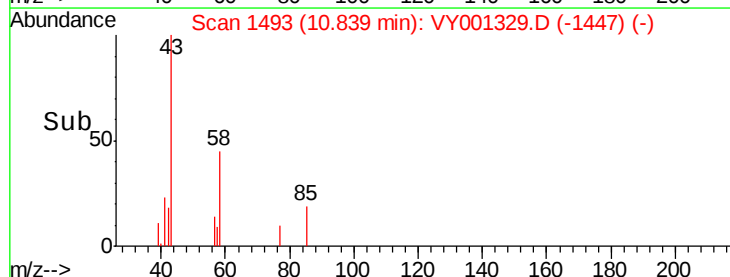
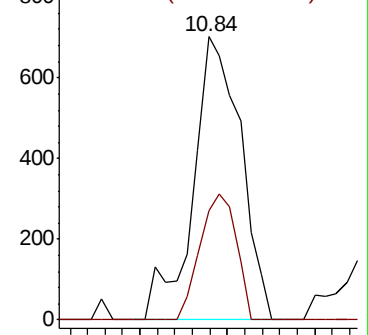
43 100

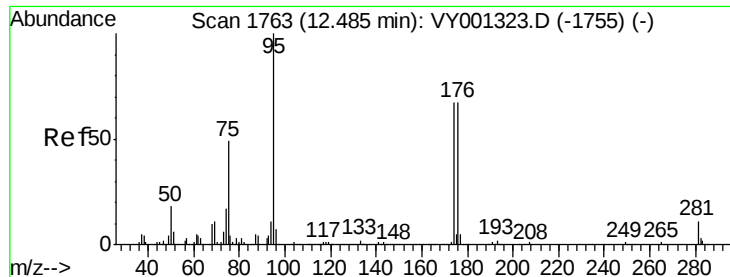
58 33.6 27.6 82.8



Abundance Ion 43.00 (42.70 to 43.70): VY001323.D (-1479) (-)

Ion 58.00 (57.70 to 58.70): VY001323.D (-1479) (-)

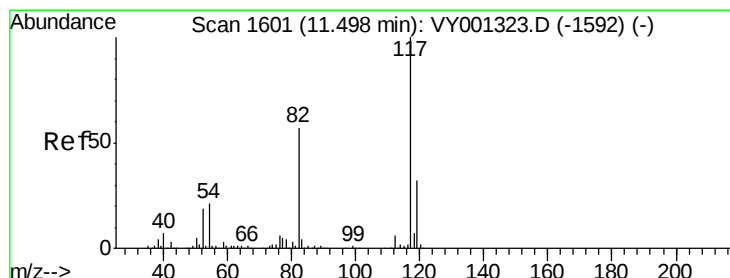
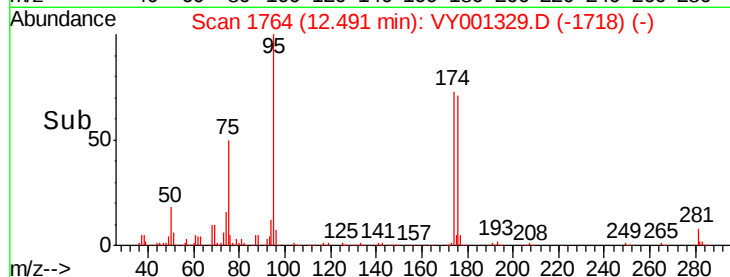
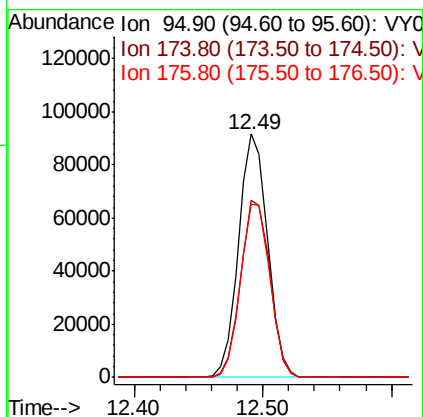
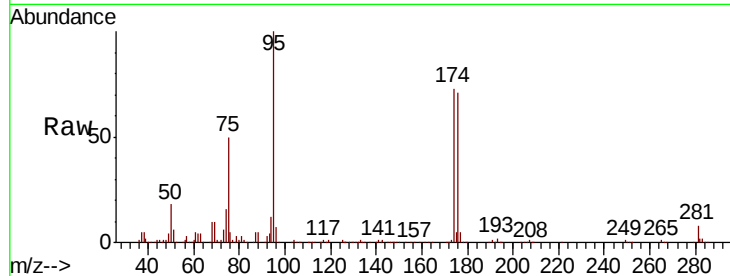




#62
4-Bromofluorobenzene
Concen: 47.547 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.02 min
Lab File: VY001329.D
Acq: 22 Jan 2020 14:29

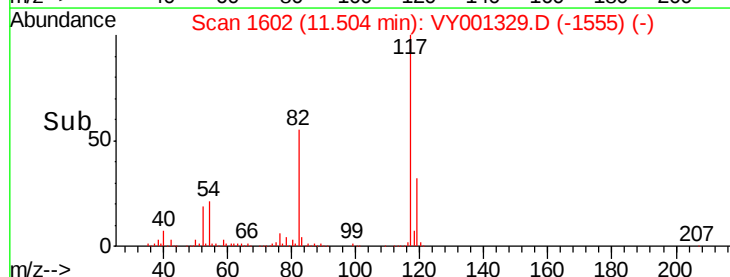
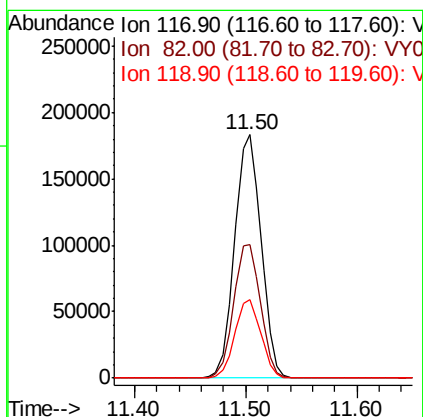
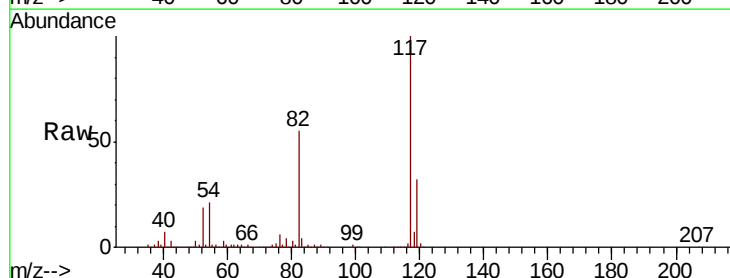
Instrument :
MSVOA_Y
ClientSampleId :

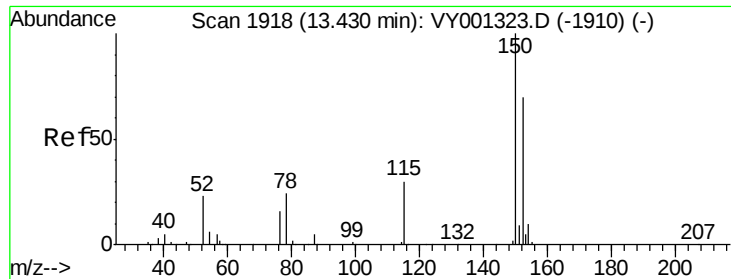
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	142.0
176	72.7	0.0	138.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VY001329.D
Acq: 22 Jan 2020 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.5	68.3
119	32.4	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: VY001329.D

Acq: 22 Jan 2020 14:29

Instrument :

MSVOA_Y

ClientSampleId :

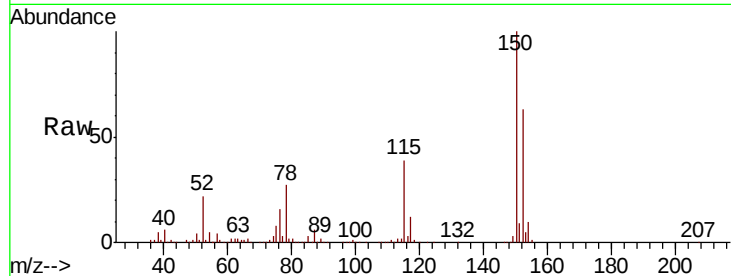
Tot Ion:152 Resp: 133835

Ion Ratio Lower Upper

152 100

115 61.7 30.9 92.8

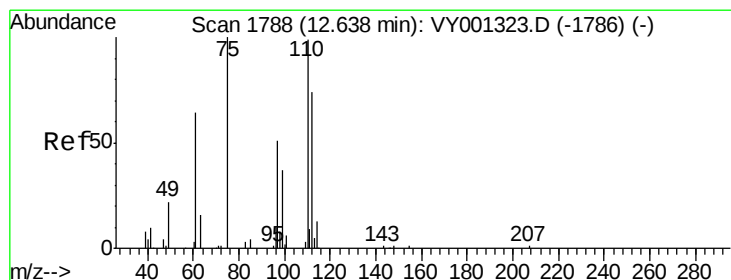
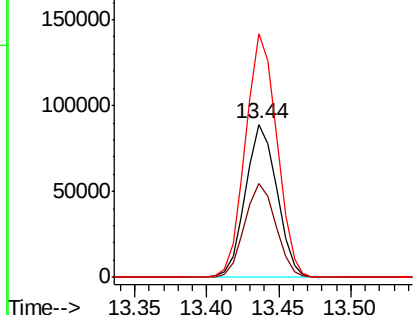
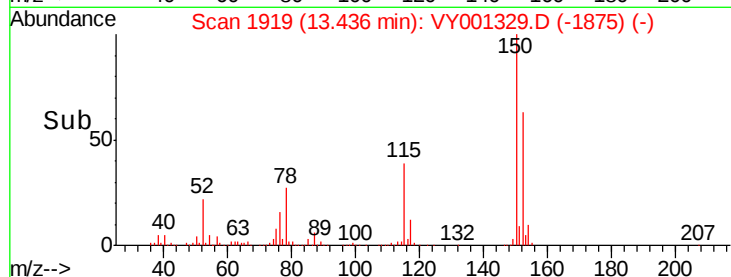
150 159.9 0.0 349.2



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: 43.181 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.17 min

Lab File: VY001329.D

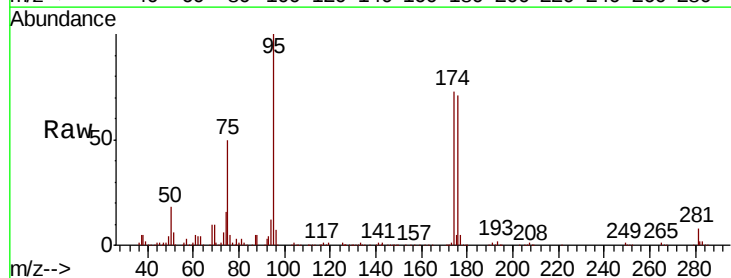
Acq: 22 Jan 2020 14:29

Tgt Ion: 75 Resp: 69639

Ion Ratio Lower Upper

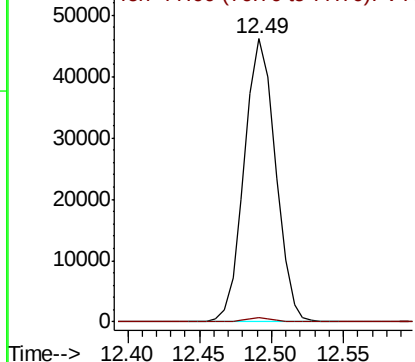
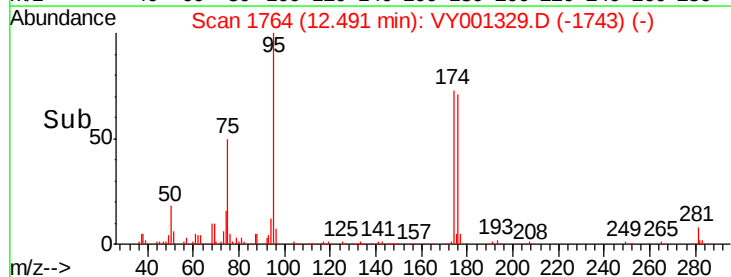
75 100

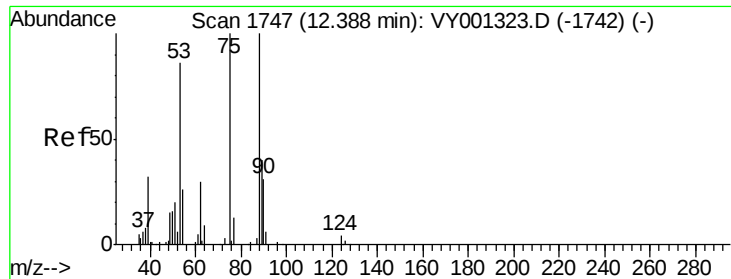
77 1.3 0.0 0.0#



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: 81.716 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.09 min

Lab File: VY001329.D

Acq: 22 Jan 2020 14:29

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 69639

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.1 36.6 54.8#

