

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001291.D
 Acq On : 20 Jan 2020 13:28
 Operator : SY/MD
 Sample : VY0120SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:00:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	186340	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	338476	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	311598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	141624	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	109897	55.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	111.68%	
35) Dibromofluoromethane	7.74	113	102043	51.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.98%	
50) Toluene-d8	10.19	98	400455	52.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.49	95	149409	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	

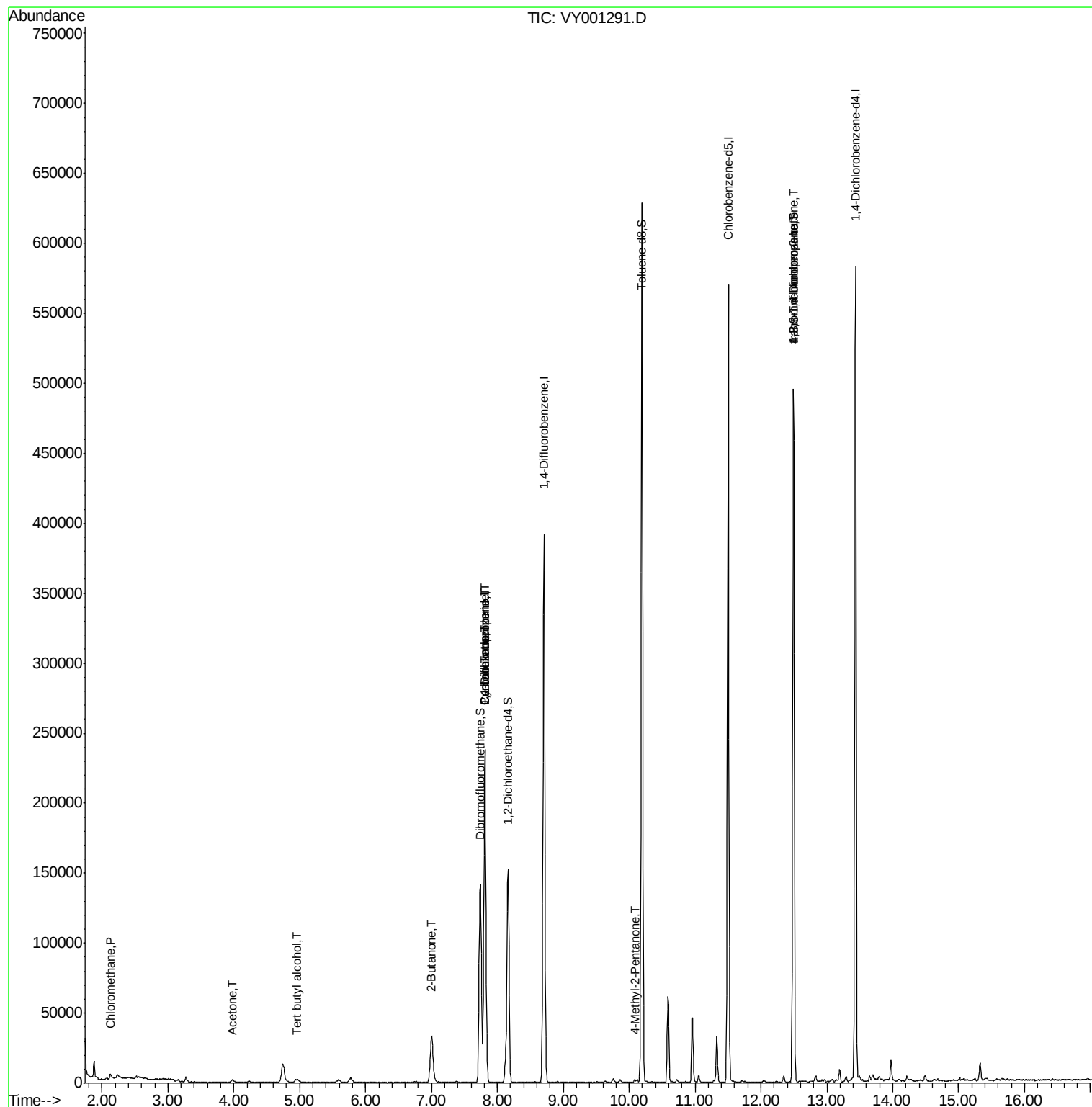
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.13	50	3321	1.610	ug/l	97
11) Tert butyl alcohol	4.96	59	3199	16.155	ug/l #	77
16) Acetone	3.99	43	4155	9.091	ug/l	95
20) Methylene Chloride	4.74	84	9863	Below Cal		96
25) 2-Butanone	7.01	43	2631	3.699	ug/l #	76
31) Cyclohexane	7.80	56	3860	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	14161	4.590	ug/l #	48
38) Carbon Tetrachloride	7.81	117	17575	6.216	ug/l #	14
51) 4-Methyl-2-Pentanone	10.08	43	1983	1.129	ug/l	88
76) 1,2,3-Trichloropropane	12.49	75	74226	48.959	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	74226	83.023	ug/l #	6

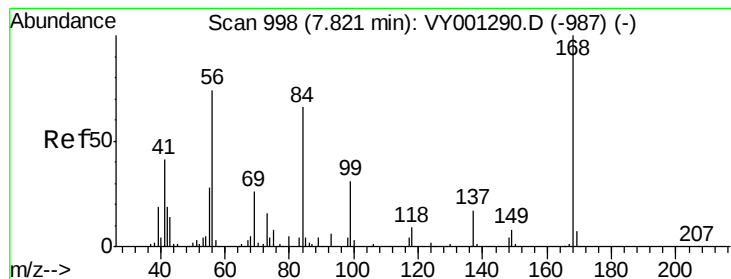
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001291.D

Acq: 20 Jan 2020 13:28

Instrument :

MSVOA_Y

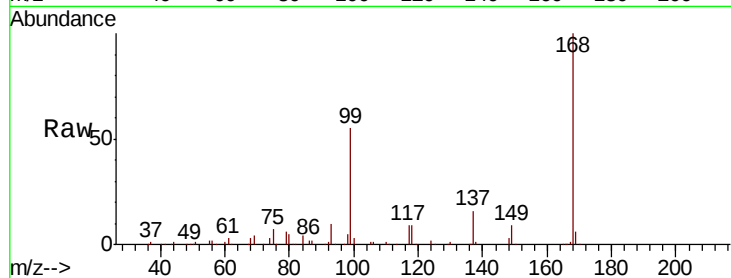
ClientSampleId :

Tot Ion:168 Resp: 186340

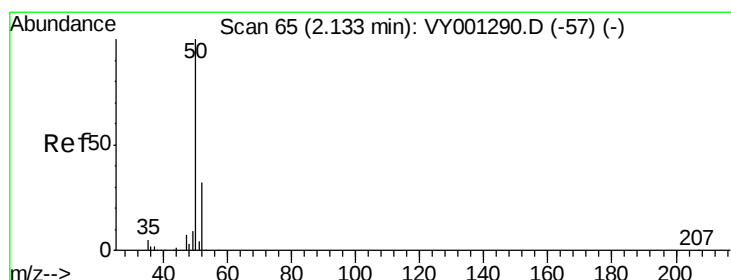
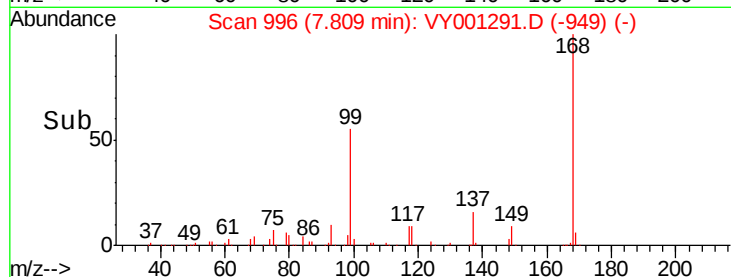
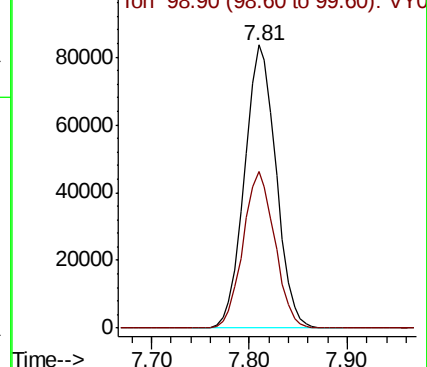
Ion Ratio Lower Upper

168 100

99 55.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001290.D (-987) (-)



#3

Chloromethane

Concen: 1.610 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001291.D

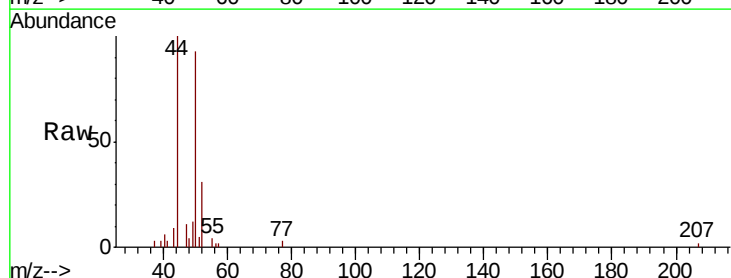
Acq: 20 Jan 2020 13:28

Tgt Ion: 50 Resp: 3321

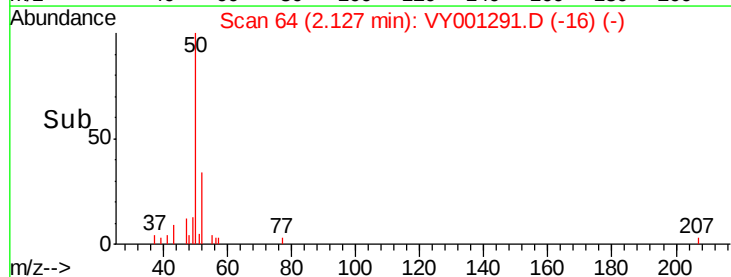
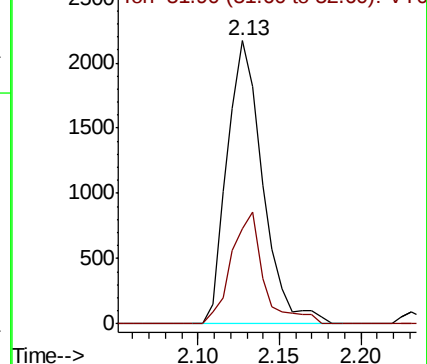
Ion Ratio Lower Upper

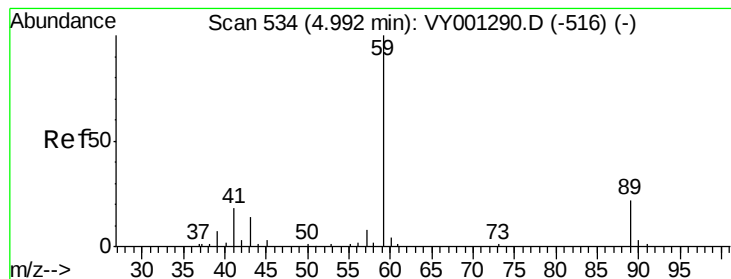
50 100

52 33.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001290.D (-57) (-)





#11

Tert butyl alcohol

Concen: 16.155 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.03 min

Lab File: VY001291.D

Acq: 20 Jan 2020 13:28

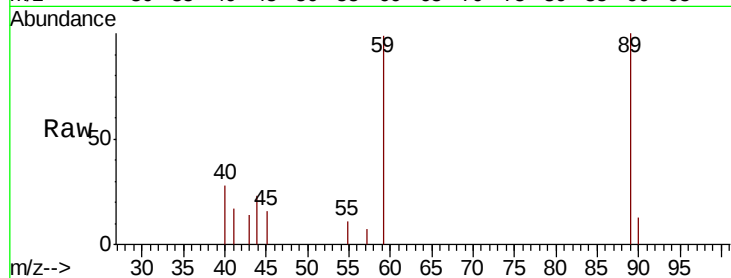
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 59 Resp: 3199

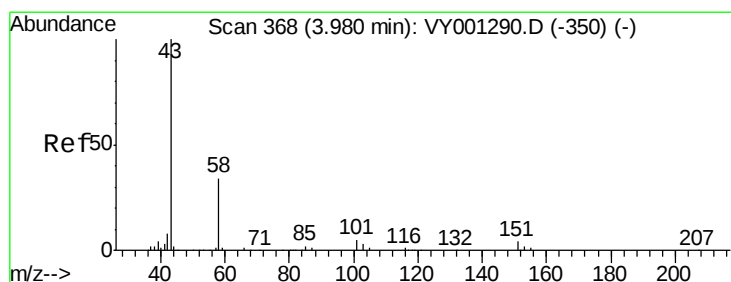
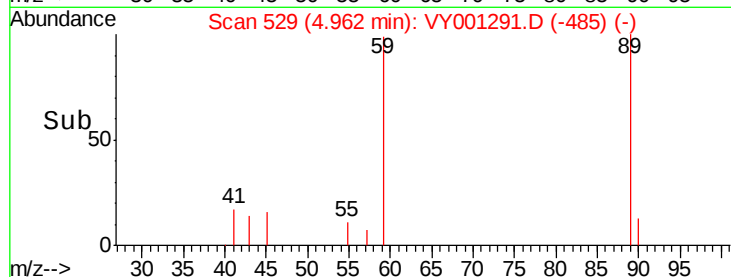
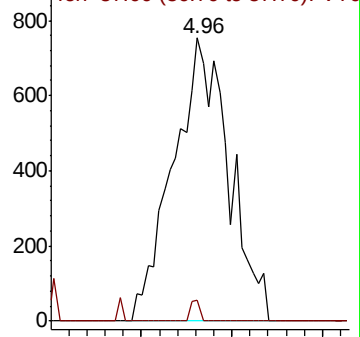
Ion Ratio Lower Upper

59 100

57 1.2 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001290.D (-516) (-)



#16

Acetone

Concen: 9.091 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001291.D

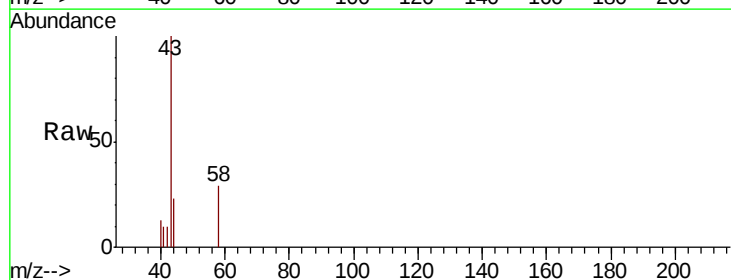
Acq: 20 Jan 2020 13:28

Tgt Ion: 43 Resp: 4155

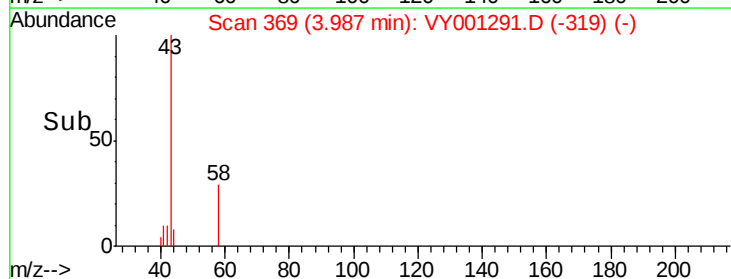
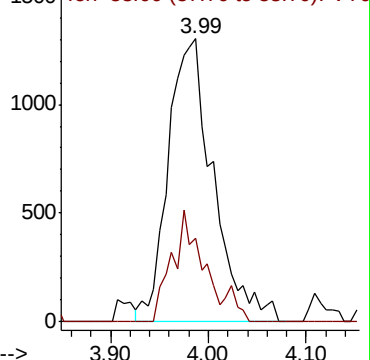
Ion Ratio Lower Upper

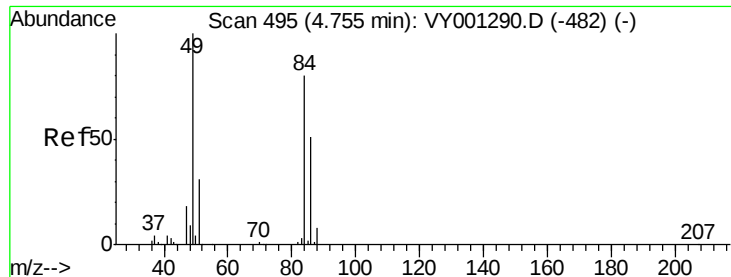
43 100

58 29.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001290.D (-350) (-)

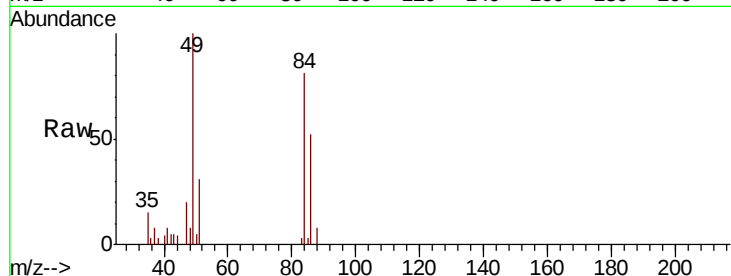




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001291.D
Acq: 20 Jan 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	84	Resp	9863
Ion	Ratio	Lower	Upper
84	100		
49	123.4	93.8	140.6
51	37.9	29.9	44.9
86	63.7	52.6	78.8



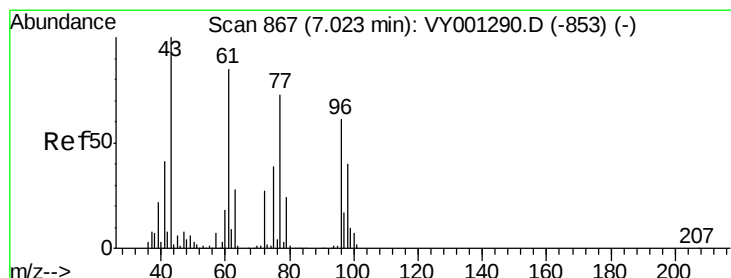
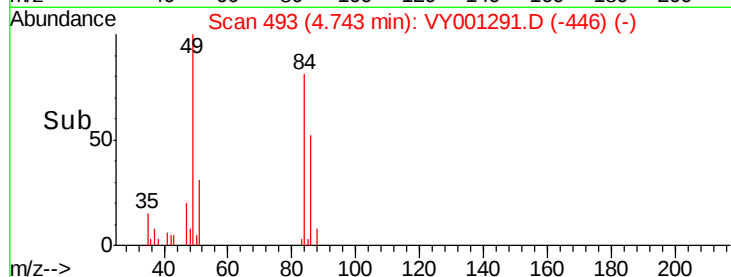
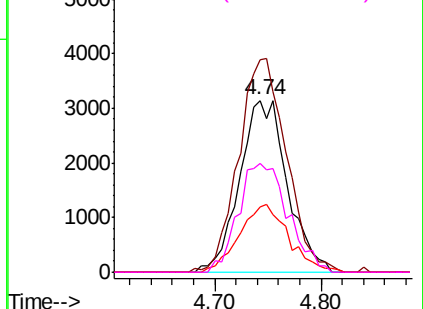
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

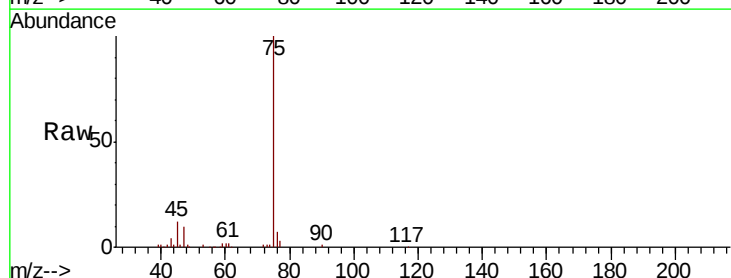
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 3.699 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001291.D
Acq: 20 Jan 2020 13:28

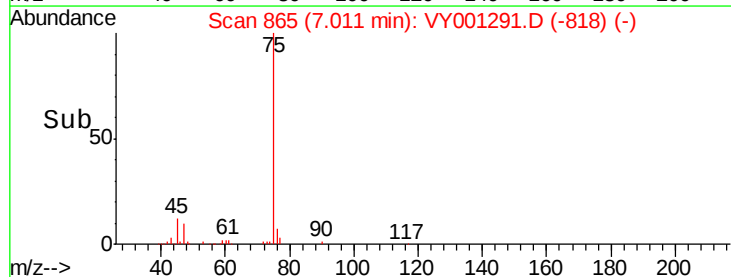
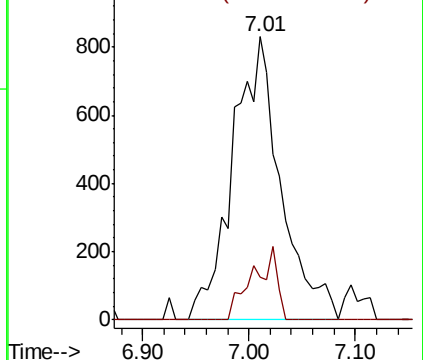
Tgt Ion	43	Resp	2631
Ion	Ratio	Lower	Upper
43	100		
72	15.1	22.2	33.2#

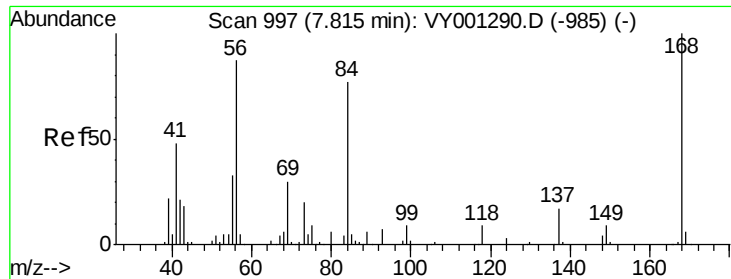


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

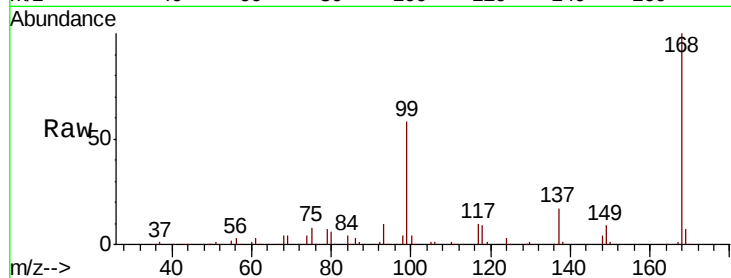




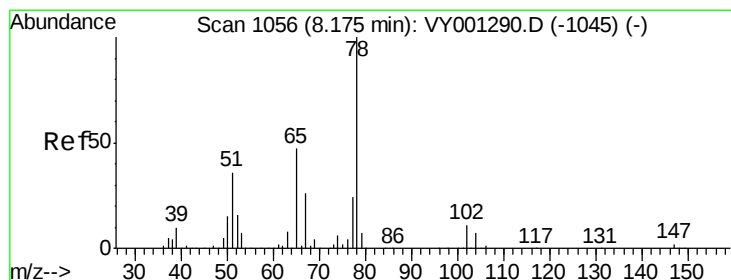
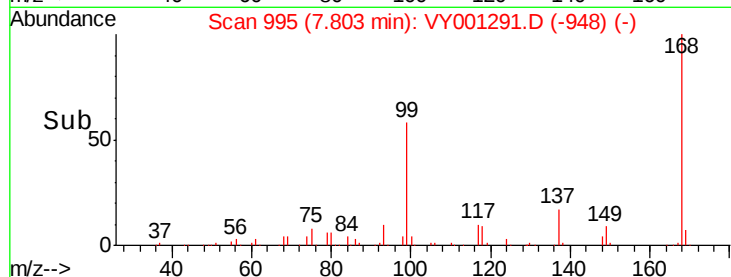
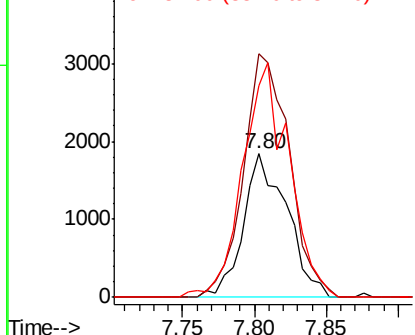
#31
Cyclohexane
Concen: 1.014 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001291.D
Acq: 20 Jan 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3860
Ion Ratio Lower Upper
56 100
69 170.1 27.8 41.8#
84 151.8 68.9 103.3#

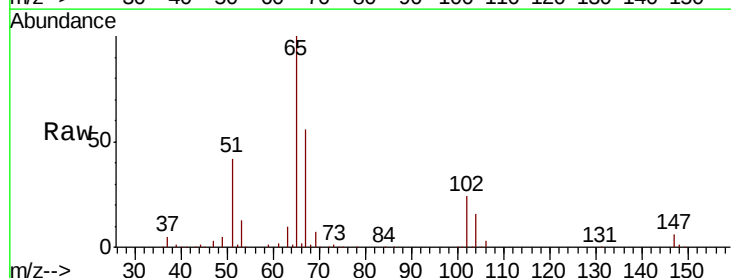


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

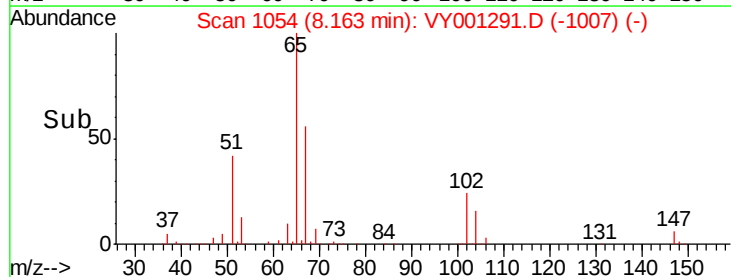
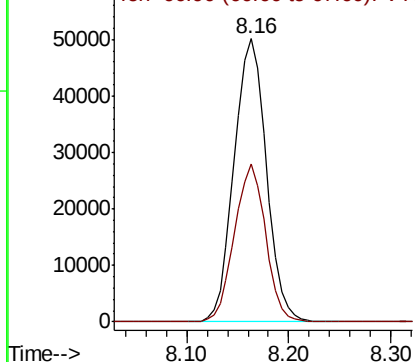


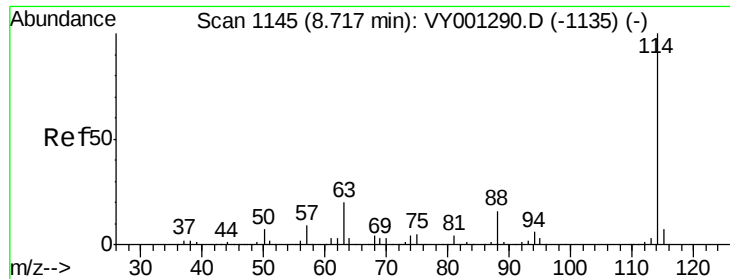
#33
1,2-Dichloroethane-d4
Concen: 55.840 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001291.D
Acq: 20 Jan 2020 13:28

Tgt Ion: 65 Resp: 109897
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.2



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

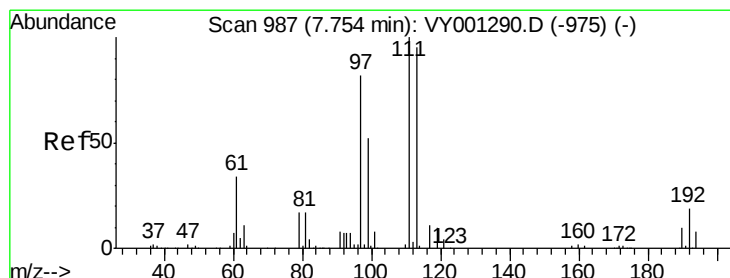
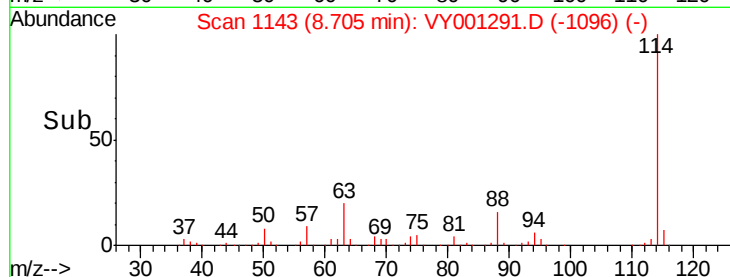
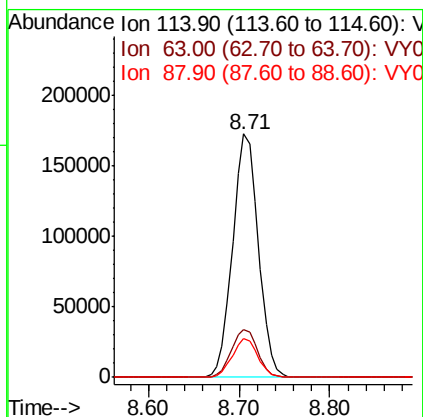
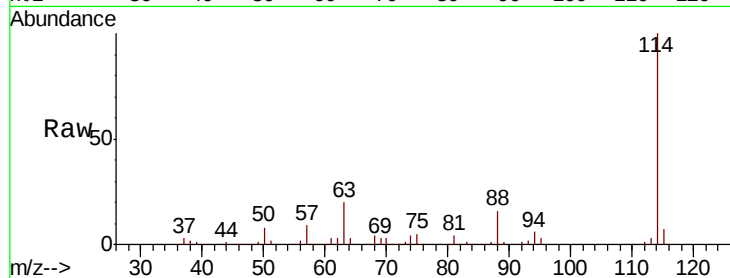




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001291.D
 Acq: 20 Jan 2020 13:28

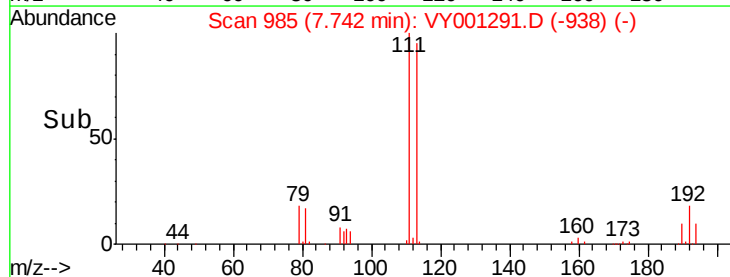
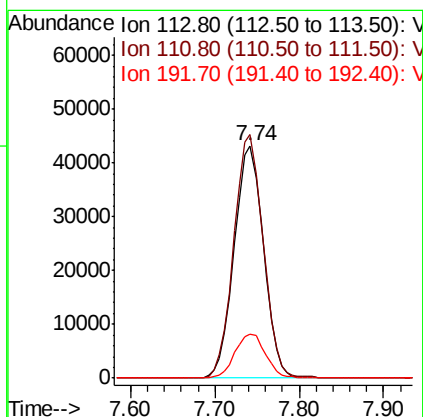
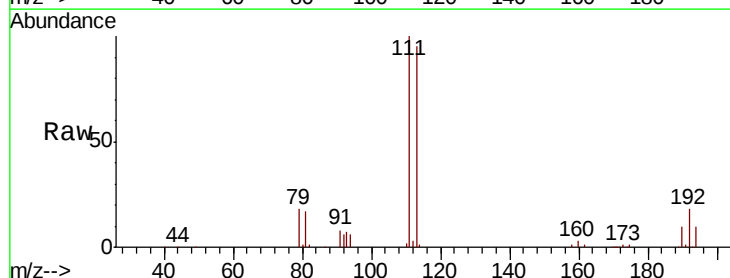
Instrument :
 MSVOA_Y
 ClientSampleId :

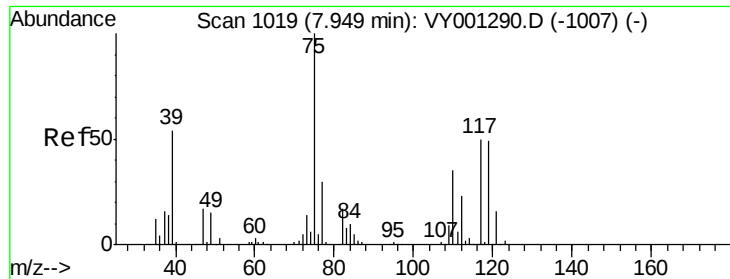
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.8
88	16.0	0.0	32.4



#35
 Dibromofluoromethane
 Concen: 51.491 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001291.D
 Acq: 20 Jan 2020 13:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	19.4	15.4	23.2

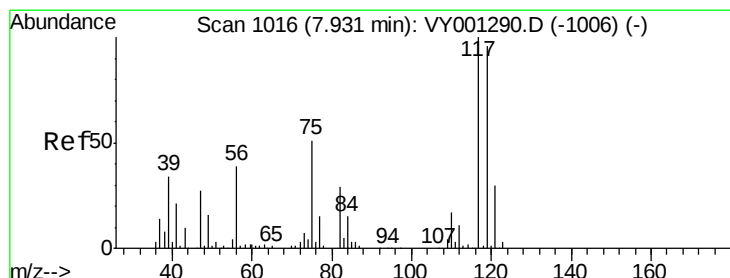
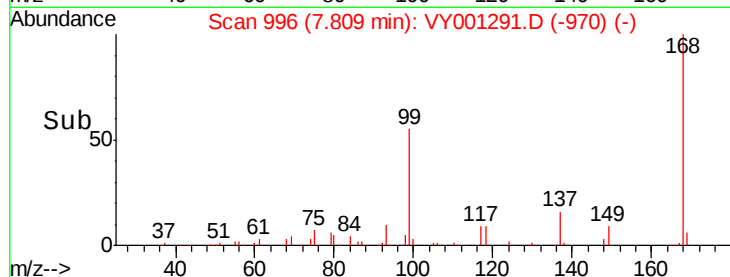
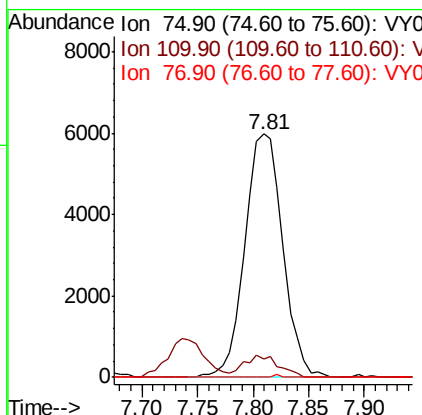
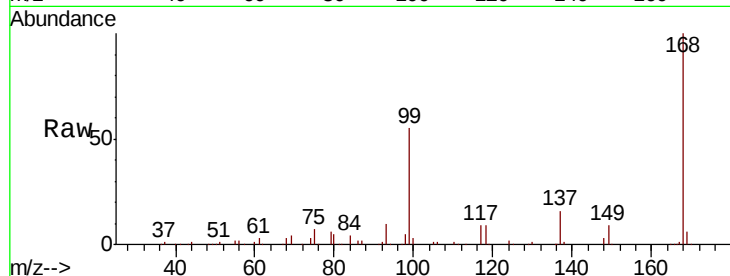




#36
 1,1-Dichloropropene
 Concen: 4.590 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.14 min
 Lab File: VY001291.D
 Acq: 20 Jan 2020 13:28

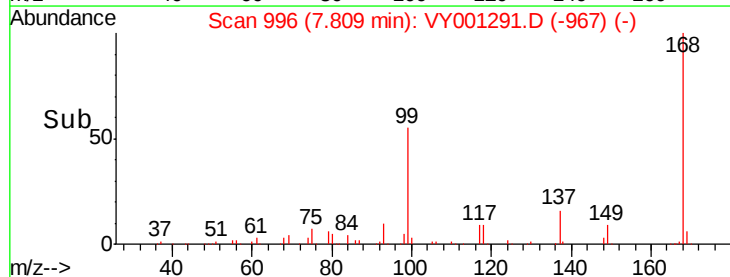
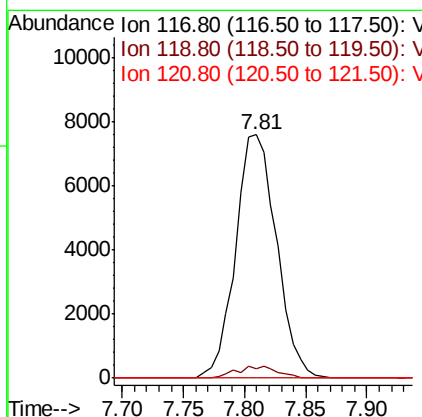
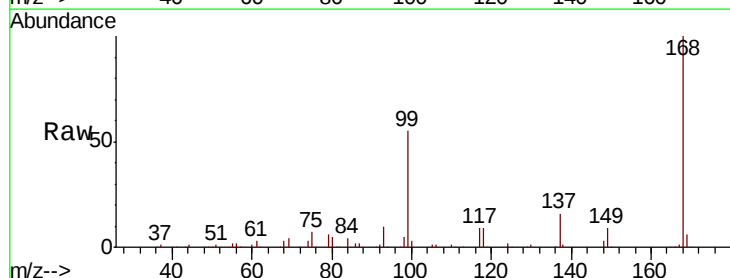
Instrument :
 MSVOA_Y
 ClientSampleId :

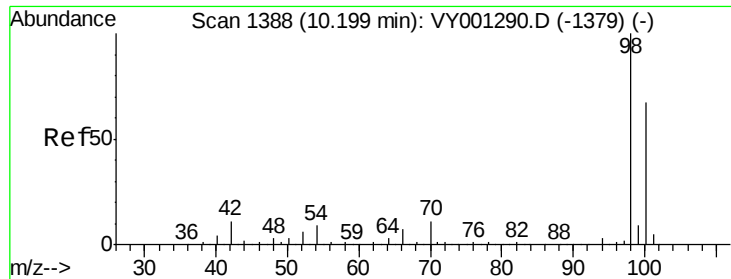
Tot Ion: 75 Resp: 14161
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.3 54.8#
 77 0.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.216 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001291.D
 Acq: 20 Jan 2020 13:28

Tgt Ion: 117 Resp: 17575
 Ion Ratio Lower Upper
 117 100
 119 3.8 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.443 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY001291.D

Acq: 20 Jan 2020 13:28

Instrument :

MSVOA_Y

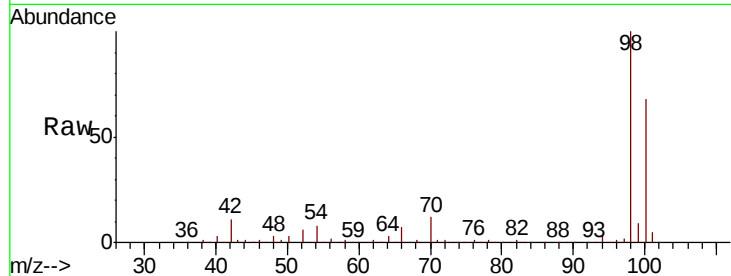
ClientSampleId :

Tot Ion: 98 Resp: 400455

Ion Ratio Lower Upper

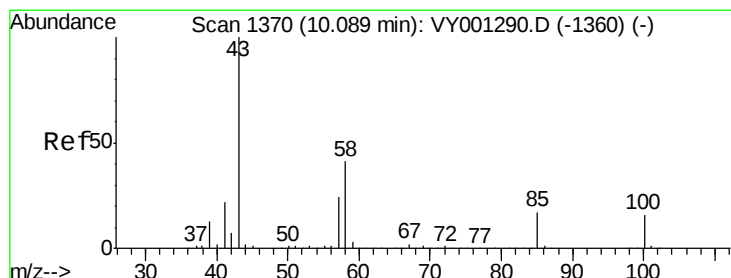
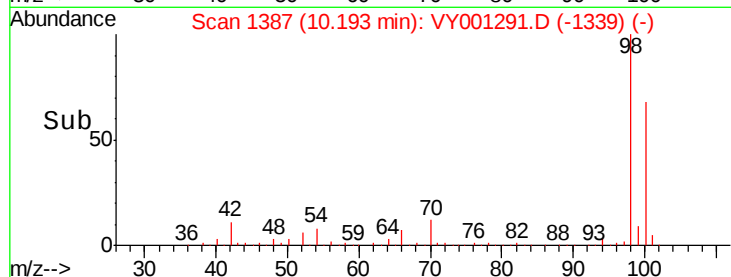
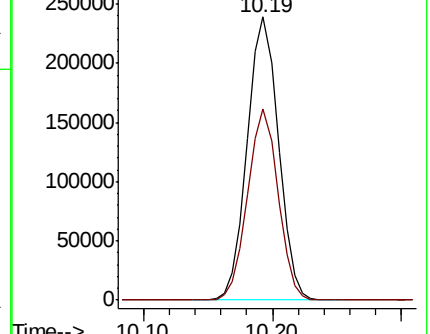
98 100

100 66.1 53.1 79.7



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: 1.129 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001291.D

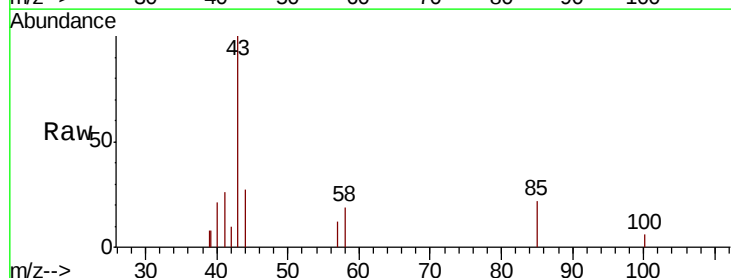
Acq: 20 Jan 2020 13:28

Tgt Ion: 43 Resp: 1983

Ion Ratio Lower Upper

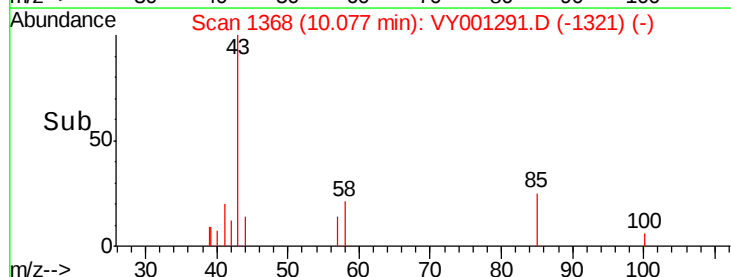
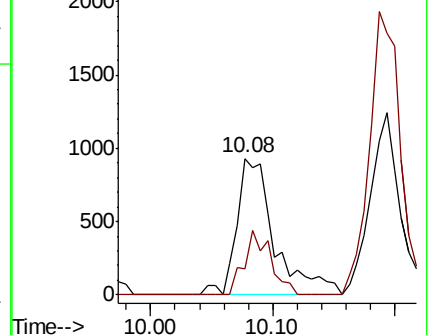
43 100

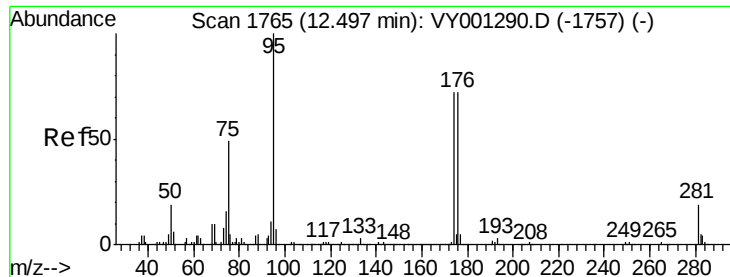
58 32.7 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#62

4-Bromofluorobenzene

Concen: 47.859 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY001291.D

Acq: 20 Jan 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

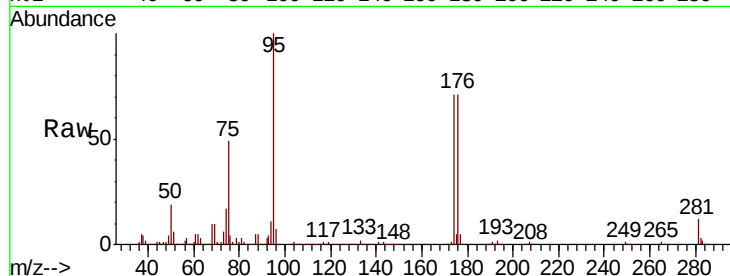
Tot Ion: 95 Resp: 149409

Ion Ratio Lower Upper

95 100

174 74.7 0.0 143.2

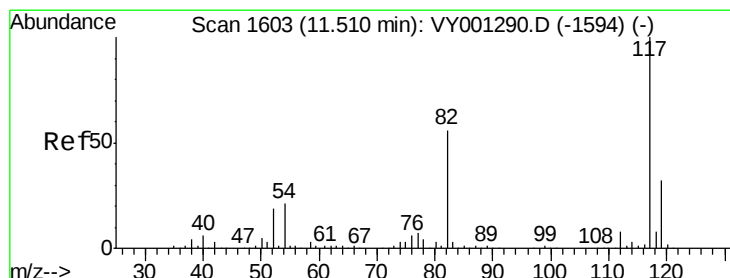
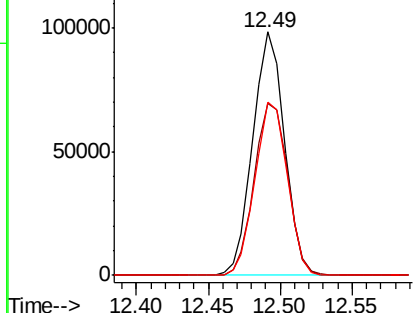
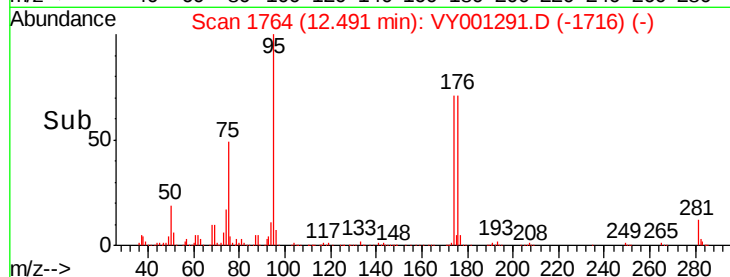
176 72.8 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001291.D (-1716) (-)

Ion 173.80 (173.50 to 174.50): VY001291.D (-1716) (-)

Ion 175.80 (175.50 to 176.50): VY001291.D (-1716) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VY001291.D

Acq: 20 Jan 2020 13:28

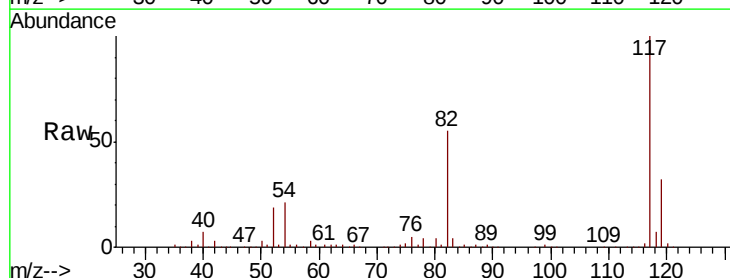
Tgt Ion: 117 Resp: 311598

Ion Ratio Lower Upper

117 100

82 55.0 44.9 67.3

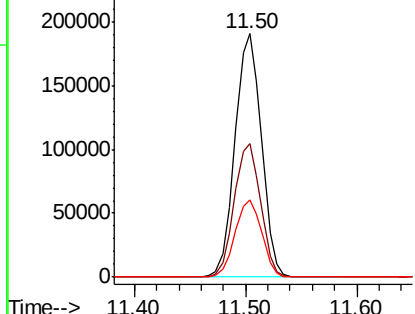
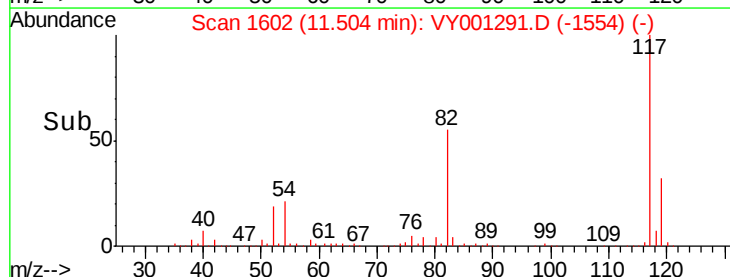
119 31.6 25.7 38.5

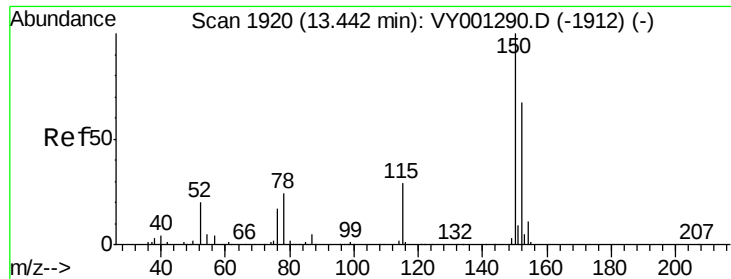


Abundance Ion 116.90 (116.60 to 117.60): VY001291.D (-1554) (-)

Ion 82.00 (81.70 to 82.70): VY001291.D (-1554) (-)

Ion 118.90 (118.60 to 119.60): VY001291.D (-1554) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VY001291.D

Acq: 20 Jan 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

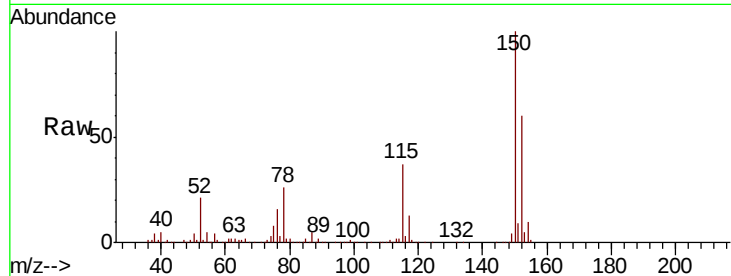
Tot Ion:152 Resp: 141624

Ion Ratio Lower Upper

152 100

115 60.8 30.9 92.5

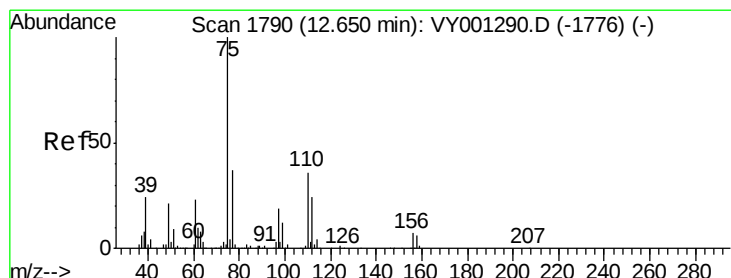
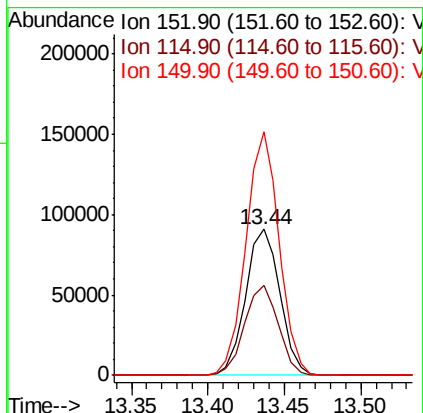
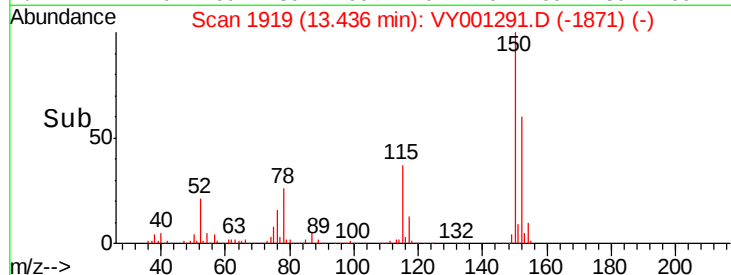
150 160.6 0.0 346.8



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: 48.959 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.16 min

Lab File: VY001291.D

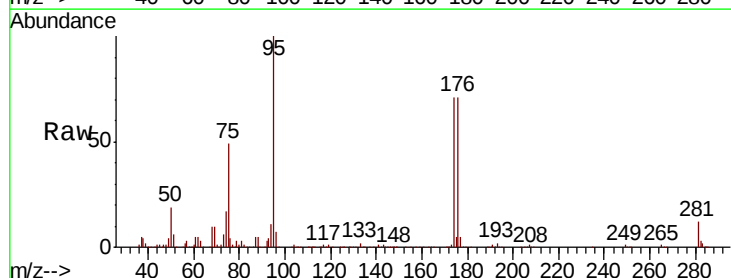
Acq: 20 Jan 2020 13:28

Tgt Ion: 75 Resp: 74226

Ion Ratio Lower Upper

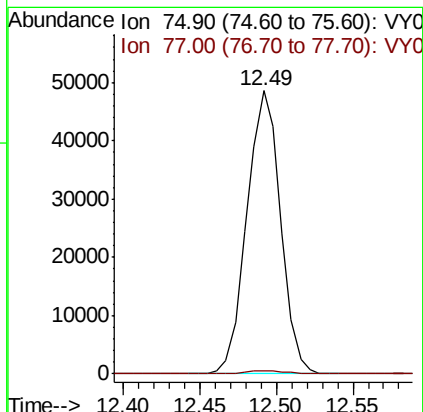
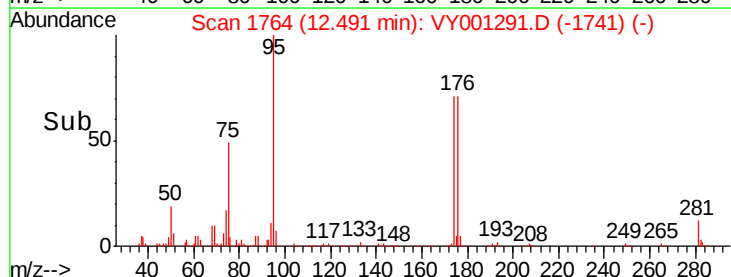
75 100

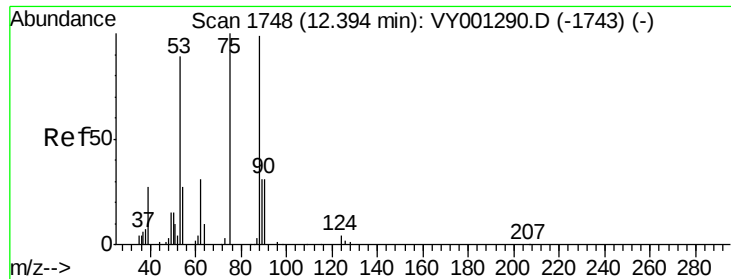
77 1.4 0.0 0.0#



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: 83.023 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001291.D

Acq: 20 Jan 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

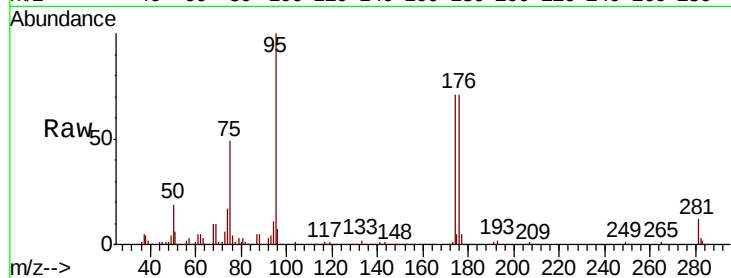
Tot Ion: 75 Resp: 74226

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.2 0.0 0.0#



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

