

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011420\
 Data File : VY001191.D
 Acq On : 14 Jan 2020 10:05
 Operator : SY/MD
 Sample : VY0114SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBL01

Quant Time: Jan 15 01:20:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	187259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	342577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	310622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	141677	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	108711	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.94%	
35) Dibromofluoromethane	7.73	113	102882	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
50) Toluene-d8	10.18	98	405709	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.48	95	149027	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.34%	

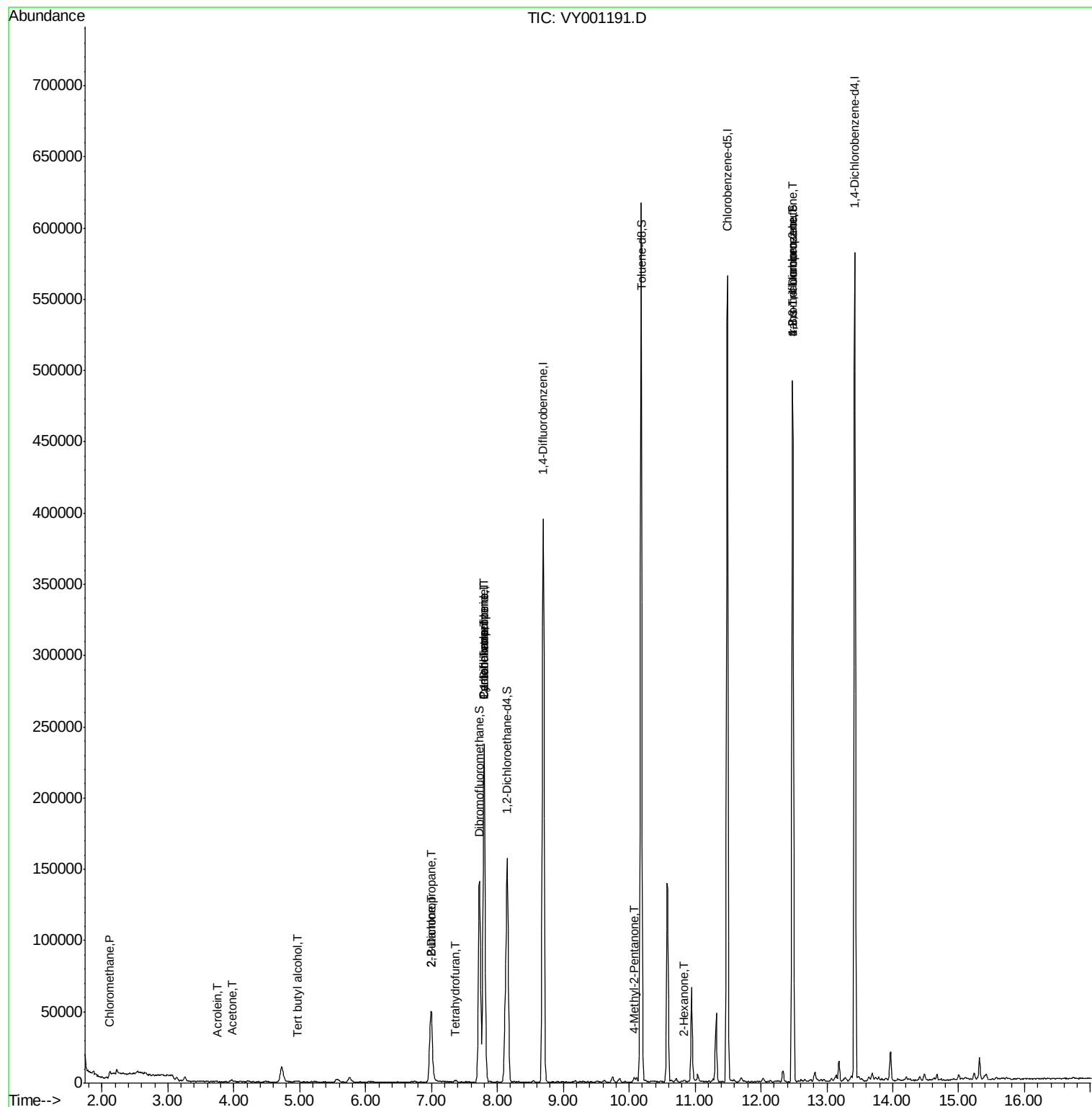
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	2222	1.072	ug/l	95
11) Tert butyl alcohol	4.96	59	891	4.478	ug/l	97
13) Acrolein	3.74	56	211	1.178	ug/l #	15
16) Acetone	3.97	43	3225	7.021	ug/l	96
20) Methylene Chloride	4.73	84	8143	Below Cal		97
25) 2-Butanone	6.99	43	3928	5.495	ug/l #	82
26) 2,2-Dichloropropane	6.99	77	3791	1.141	ug/l #	52
29) Tetrahydrofuran	7.36	42	1038	2.119	ug/l #	83
31) Cyclohexane	7.80	56	4076	1.066	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	14196	4.547	ug/l #	48
38) Carbon Tetrachloride	7.80	117	17499	6.115	ug/l #	14
51) 4-Methyl-2-Pentanone	10.08	43	2376	1.336	ug/l	95
59) 2-Hexanone	10.83	43	1260	1.011	ug/l	74
76) 1,2,3-Trichloropropane	12.48	75	72821	48.014	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	72821	81.421	ug/l #	6

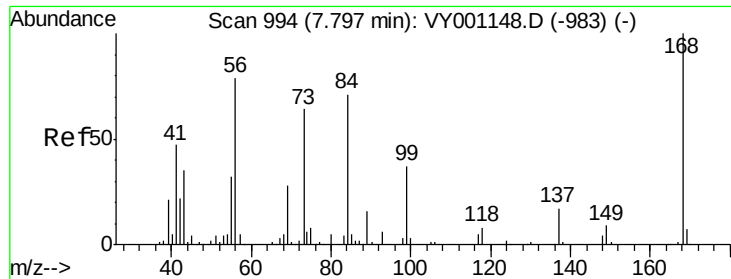
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

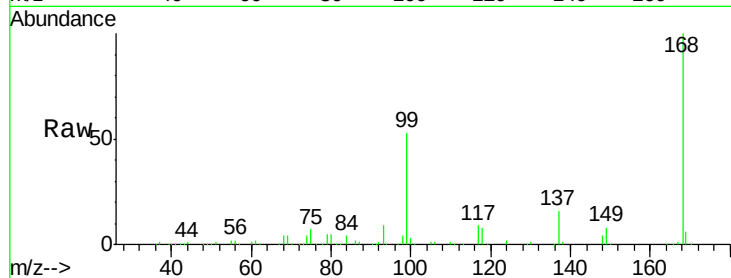
VY0114SBL01

Tgt Ion:168 Resp: 187259

Ion Ratio Lower Upper

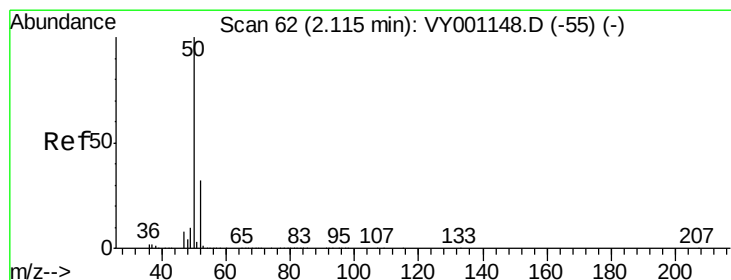
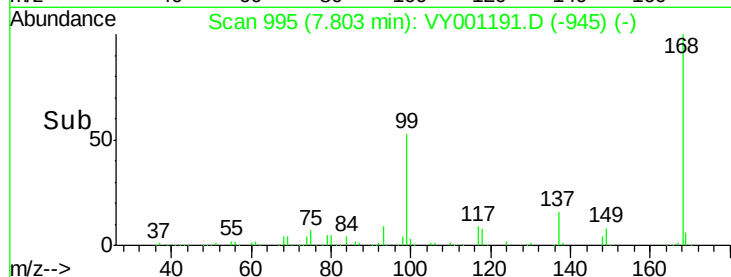
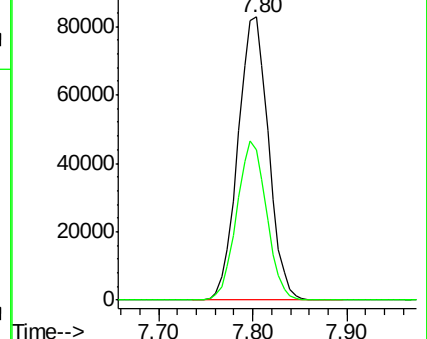
168 100

99 53.2 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#3

Chloromethane

Concen: 1.072 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001191.D

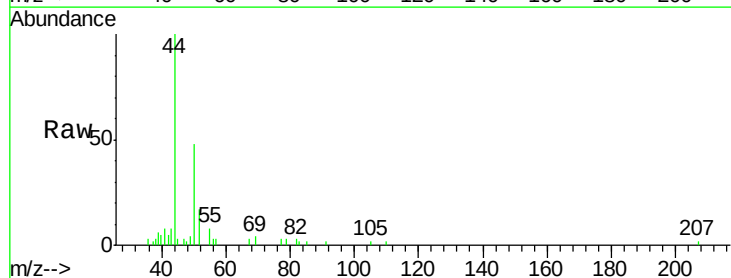
Acq: 14 Jan 2020 10:05

Tgt Ion: 50 Resp: 2222

Ion Ratio Lower Upper

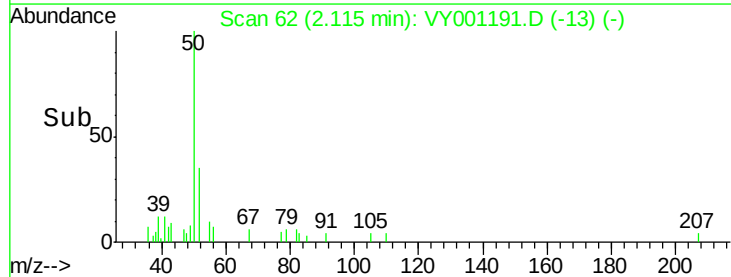
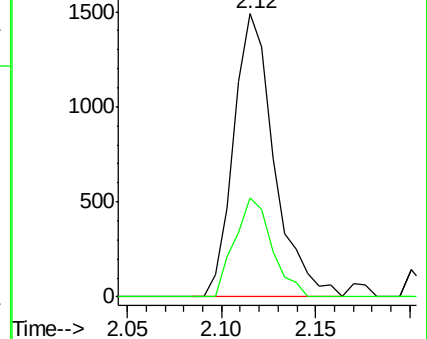
50 100

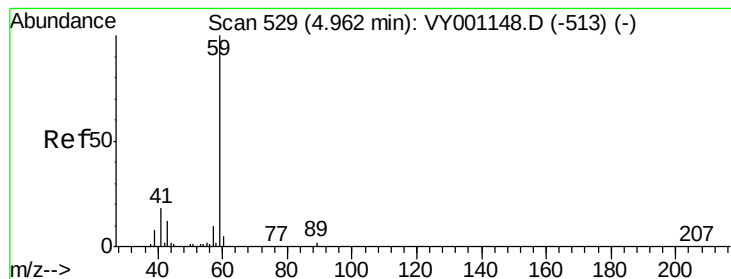
52 35.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0





#11

Tert butyl alcohol

Concen: 4.478 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

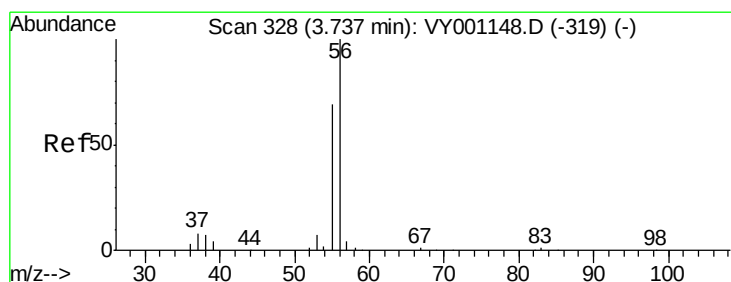
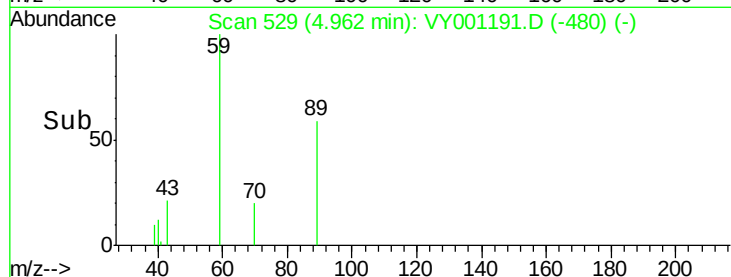
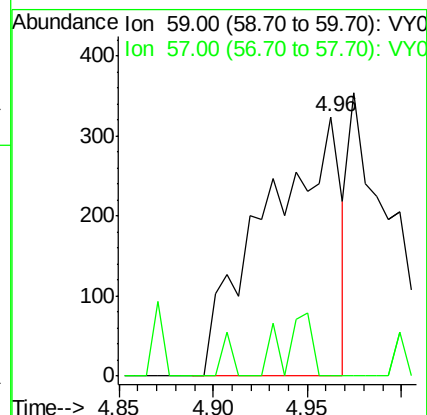
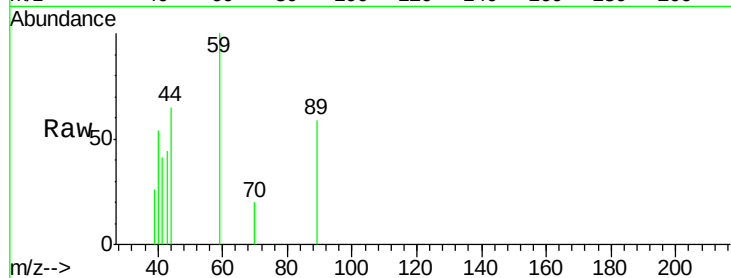
VY0114SBL01

Tgt Ion: 59 Resp: 891

Ion Ratio Lower Upper

59 100

57 8.9 7.8 11.8



#13

Acrolein

Concen: 1.178 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY001191.D

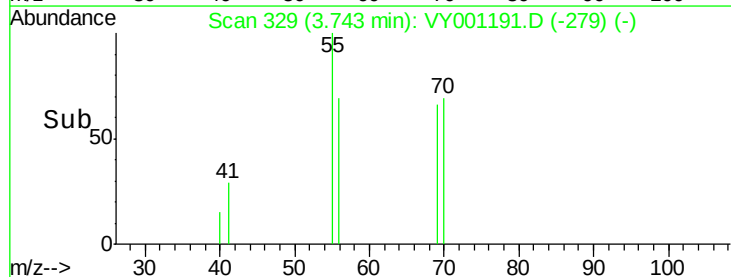
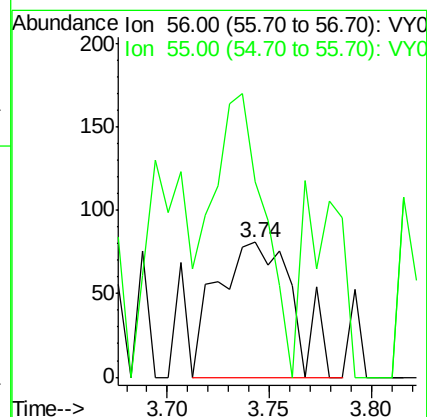
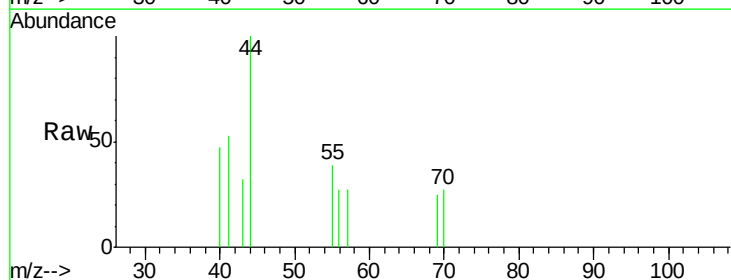
Acq: 14 Jan 2020 10:05

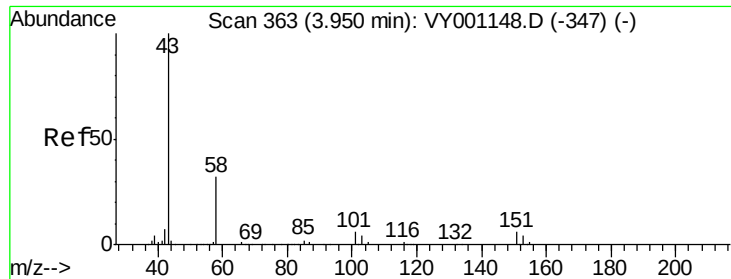
Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 140.8 56.7 85.1#





#16

Acetone

Concen: 7.021 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

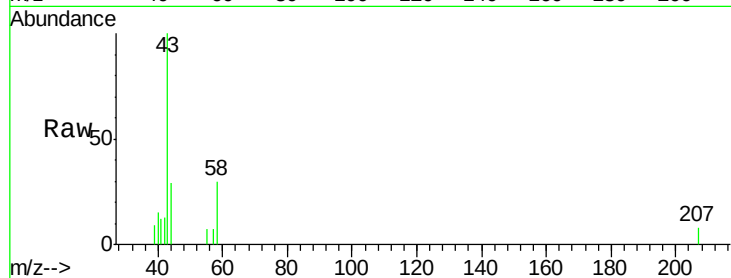
VY0114SBL01

Tgt Ion: 43 Resp: 3225

Ion Ratio Lower Upper

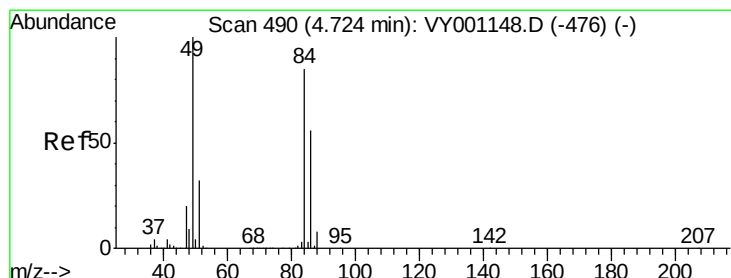
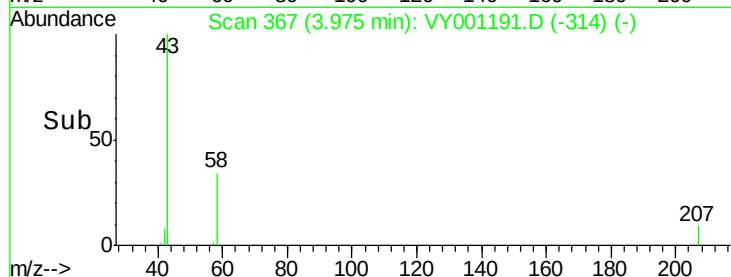
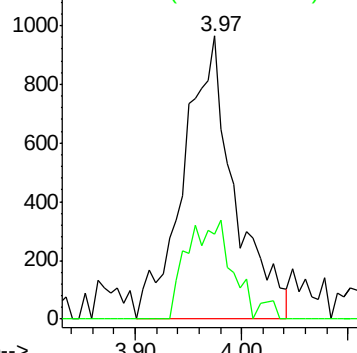
43 100

58 30.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

Tgt Ion: 84 Resp: 8143

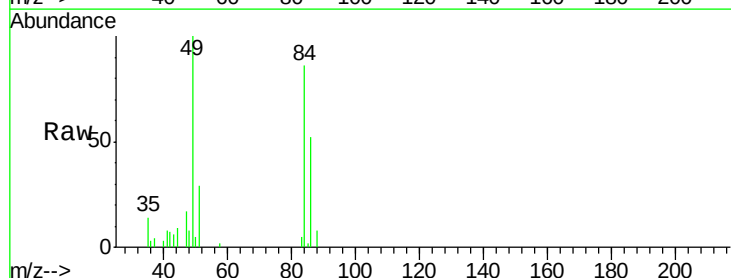
Ion Ratio Lower Upper

84 100

49 116.6 93.8 140.6

51 34.0 29.9 44.9

86 60.7 52.6 78.8

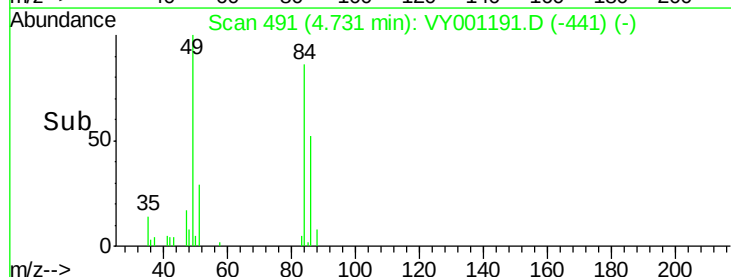
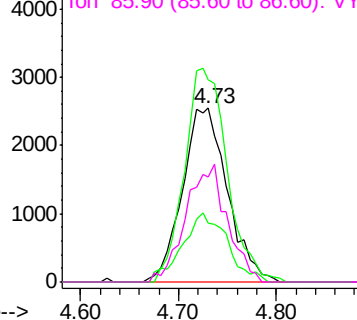


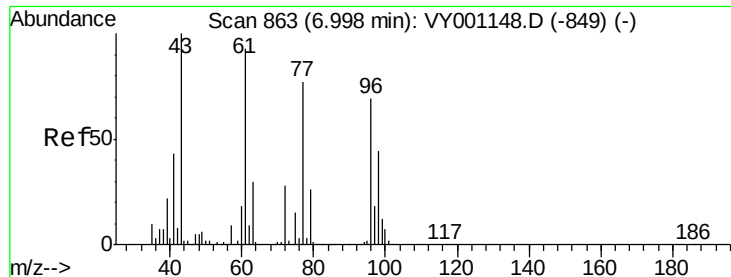
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 5.495 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

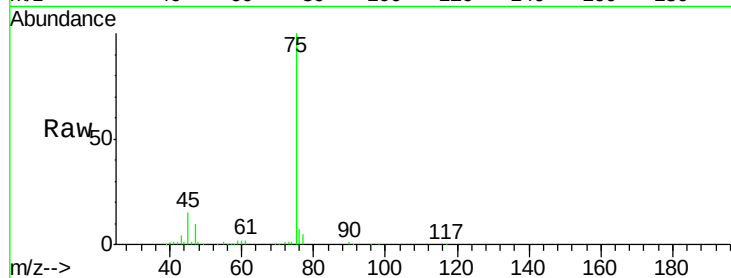
VY0114SBL01

Tgt Ion: 43 Resp: 3928

Ion Ratio Lower Upper

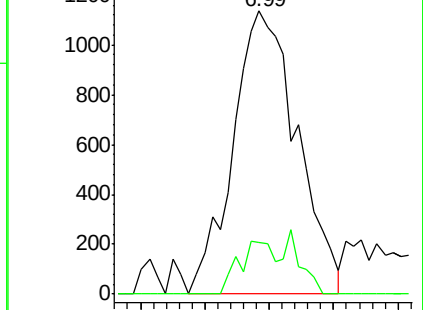
43 100

72 18.3 22.2 33.2#

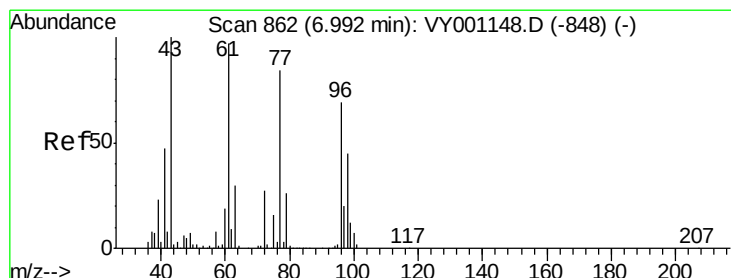
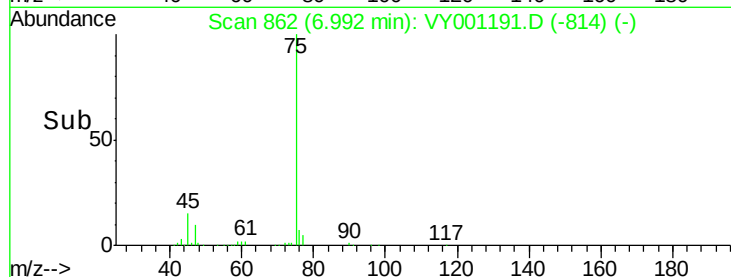


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#26

2,2-Dichloropropane

Concen: 1.141 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001191.D

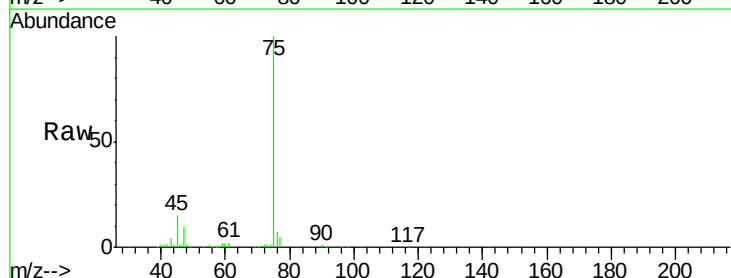
Acq: 14 Jan 2020 10:05

Tgt Ion: 77 Resp: 3791

Ion Ratio Lower Upper

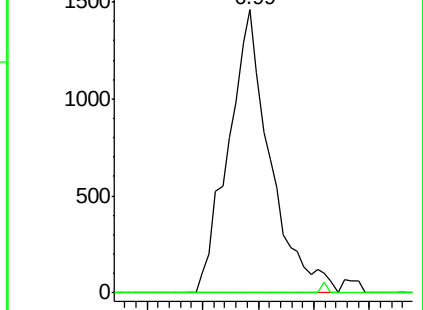
77 100

97 0.0 11.9 35.7#

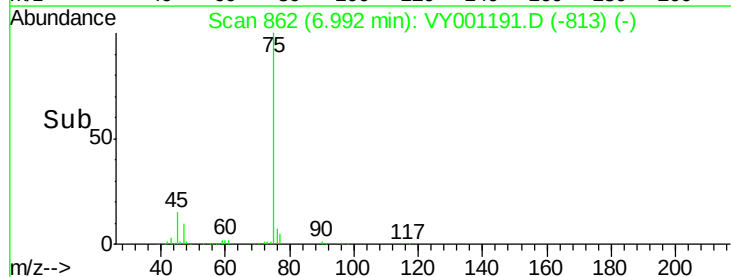


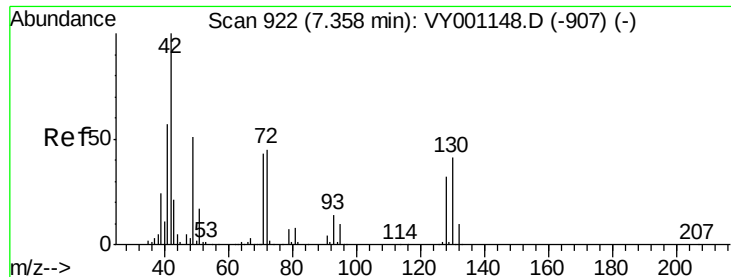
Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->





#29

Tetrahydrofuran

Concen: 2.119 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBL01

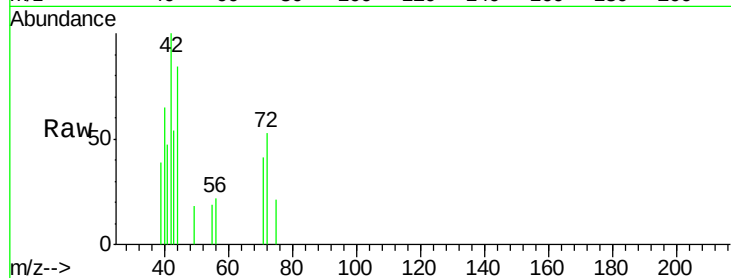
Tgt Ion: 42 Resp: 1038

Ion Ratio Lower Upper

42 100

72 30.4 36.9 55.3#

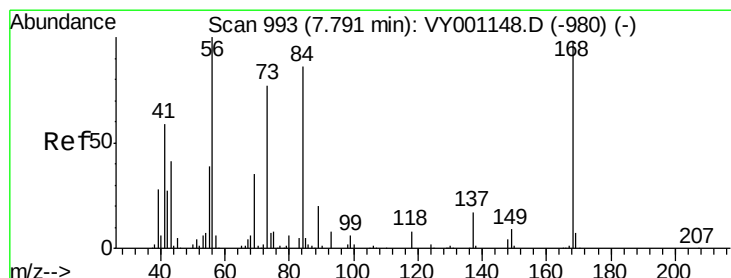
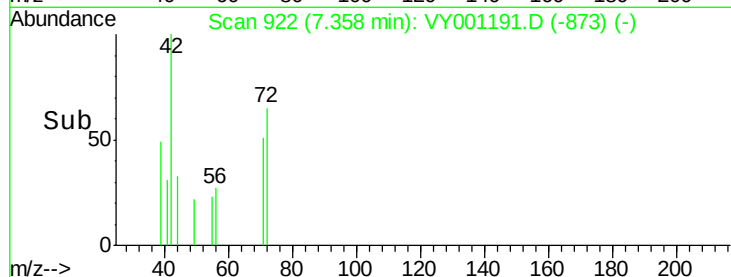
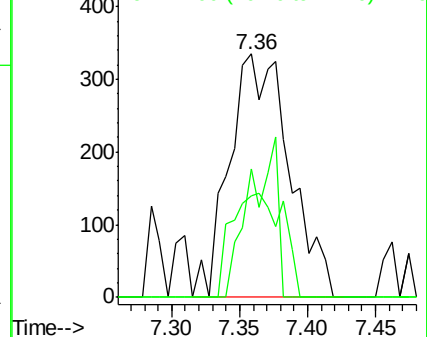
71 36.7 34.0 51.0



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: 1.066 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

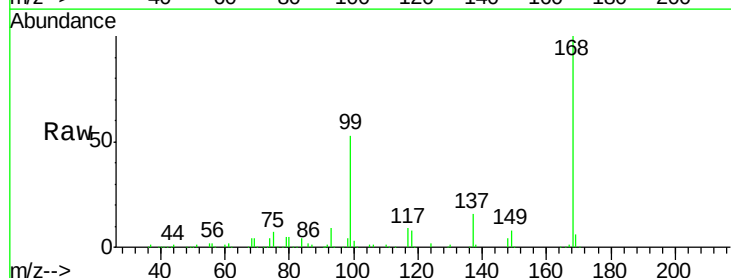
Tgt Ion: 56 Resp: 4076

Ion Ratio Lower Upper

56 100

69 165.0 27.8 41.8#

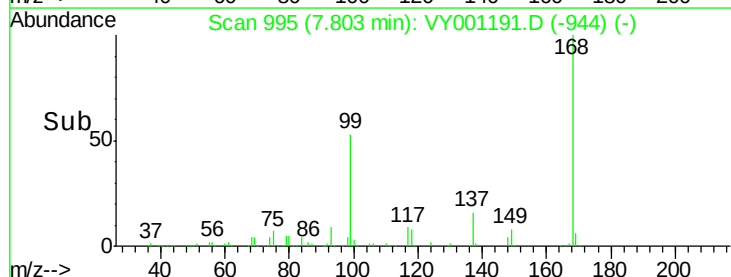
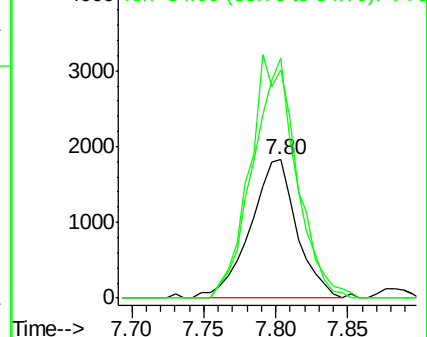
84 173.5 68.9 103.3#

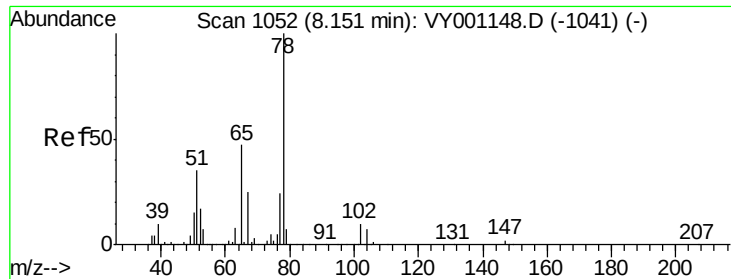


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

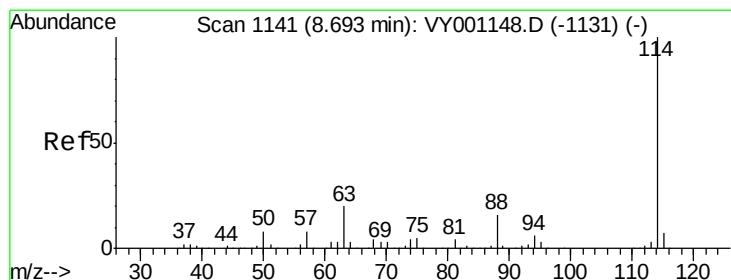
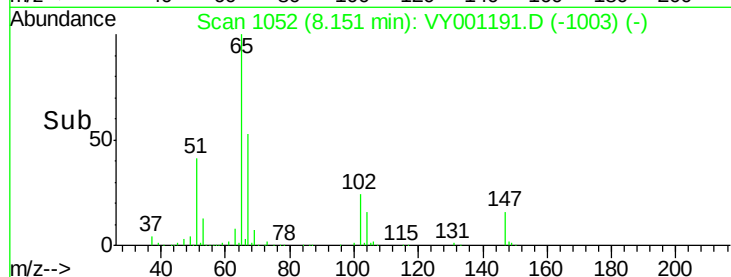
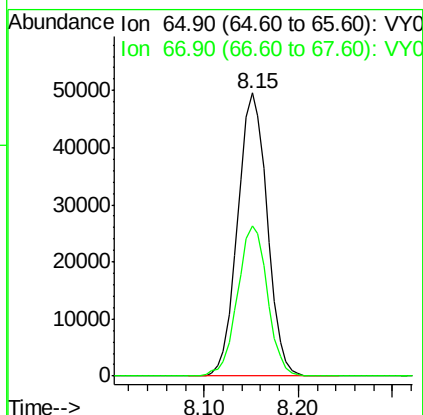
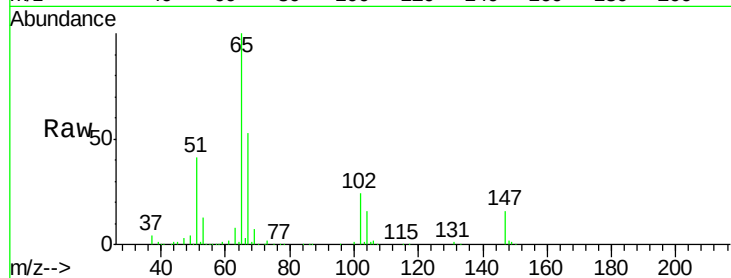




#33
 1,2-Dichloroethane-d4
 Concen: 54.966 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001191.D
 Acq: 14 Jan 2020 10:05

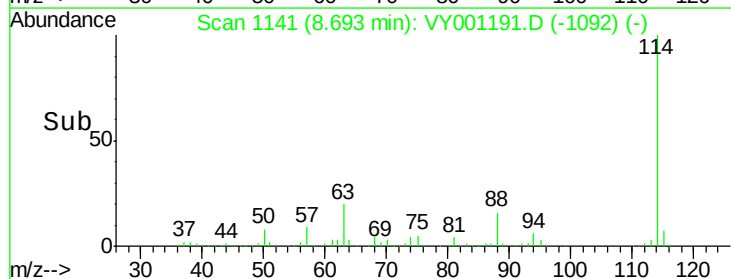
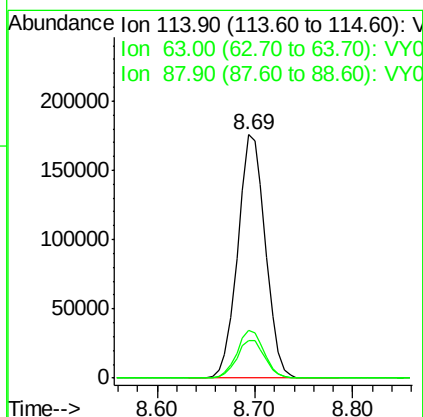
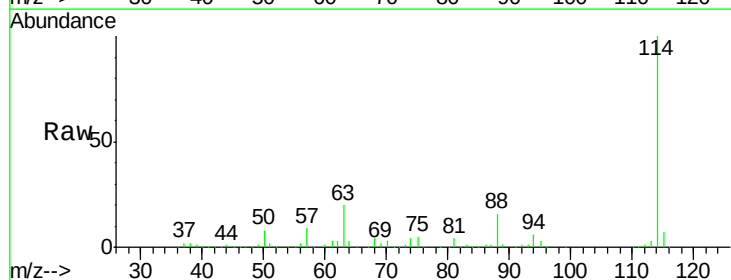
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 VY0114SBL01

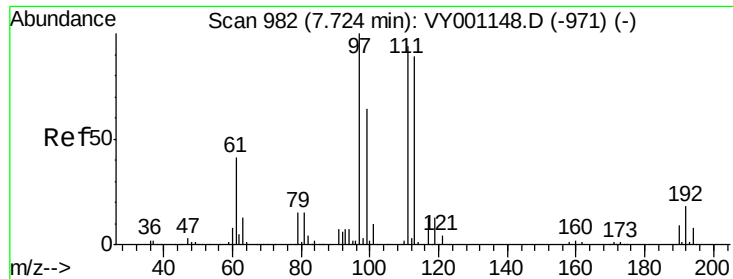
Tgt Ion: 65 Resp: 108711
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001191.D
 Acq: 14 Jan 2020 10:05

Tgt Ion: 114 Resp: 342577
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 15.5 0.0 32.4

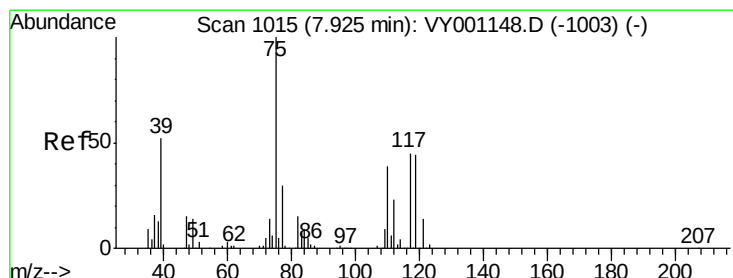
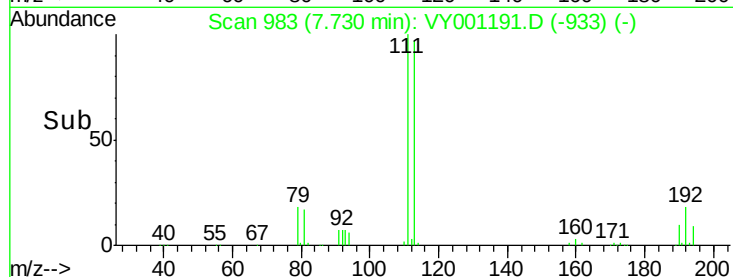
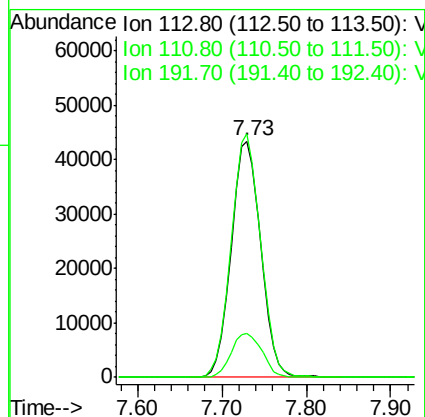
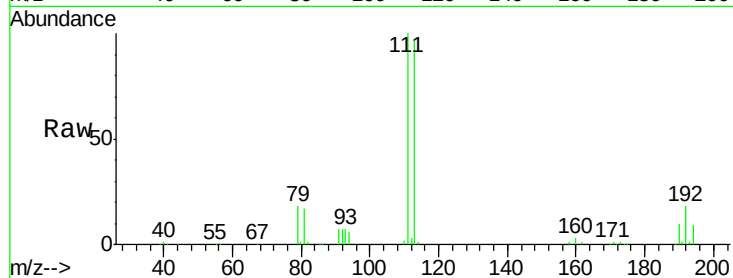




#35
 Dibromofluoromethane
 Concen: 51.293 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001191.D
 Acq: 14 Jan 2020 10:05

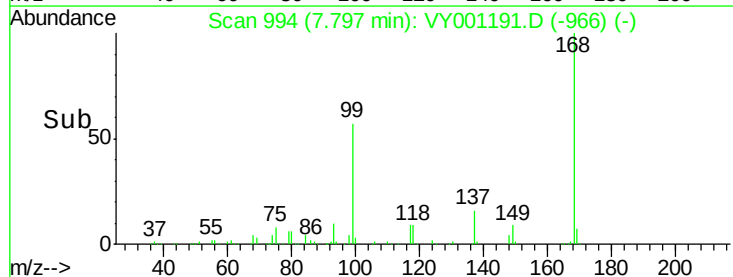
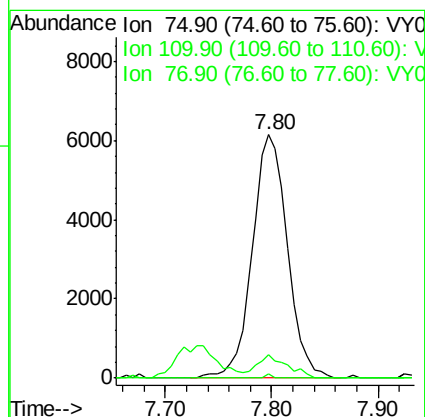
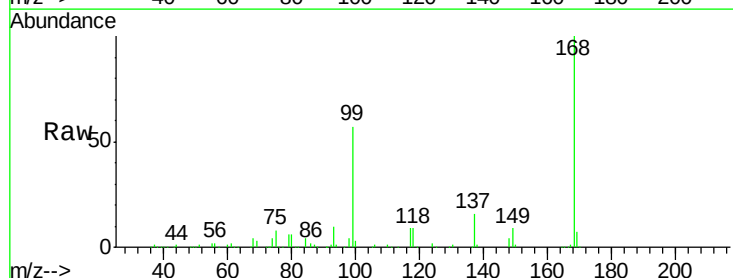
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBL01

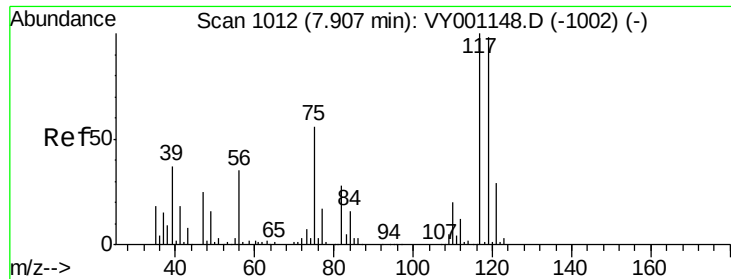
Tgt Ion: 113 Resp: 102882
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 19.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001191.D
 Acq: 14 Jan 2020 10:05

Tgt Ion: 75 Resp: 14196
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.3 54.8#
 77 0.2 25.1 37.7#

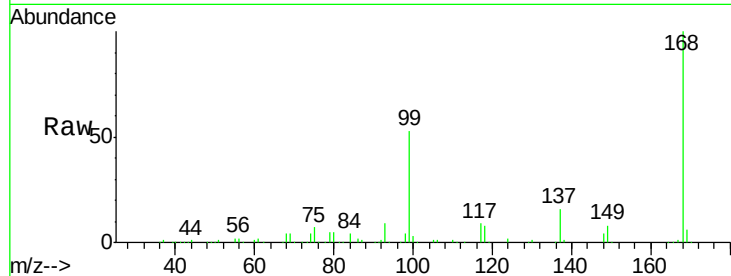




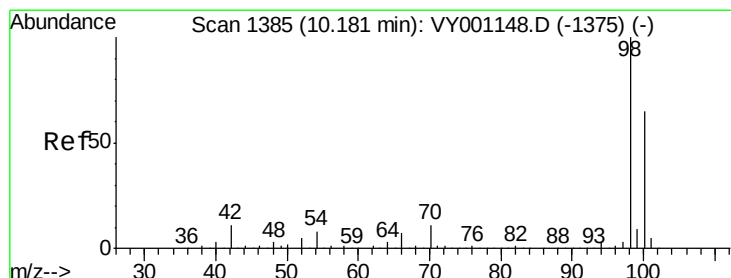
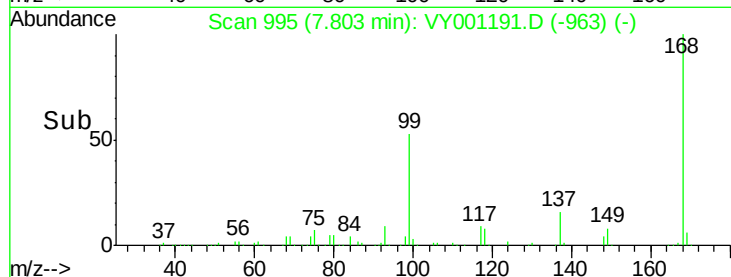
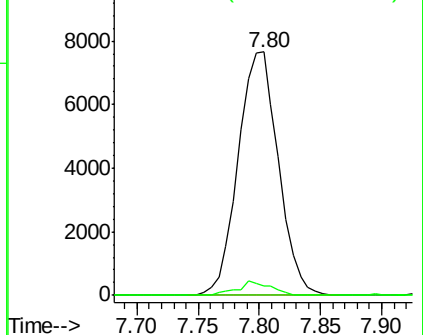
#38
Carbon Tetrachloride
Concen: 6.115 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.10 min
Lab File: VY001191.D
Acq: 14 Jan 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBL01

Tgt Ion: 117 Resp: 17499
Ion Ratio Lower Upper
117 100
119 3.7 78.3 117.5#
121 0.0 23.5 35.3#

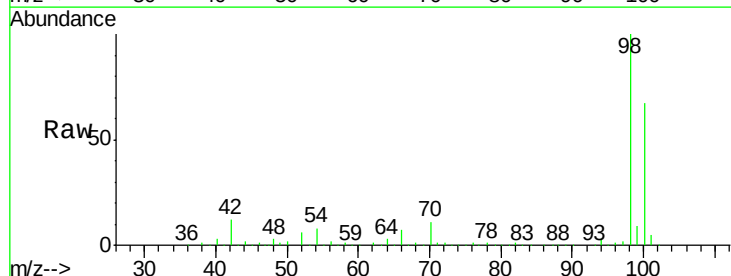


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

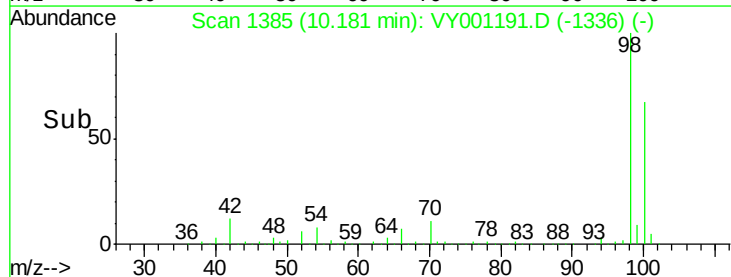
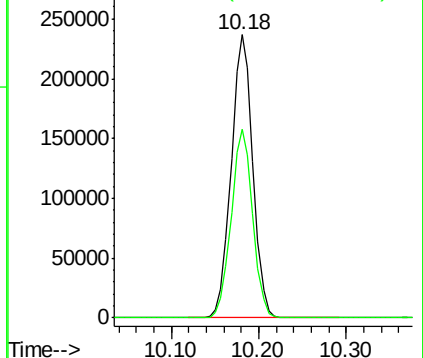


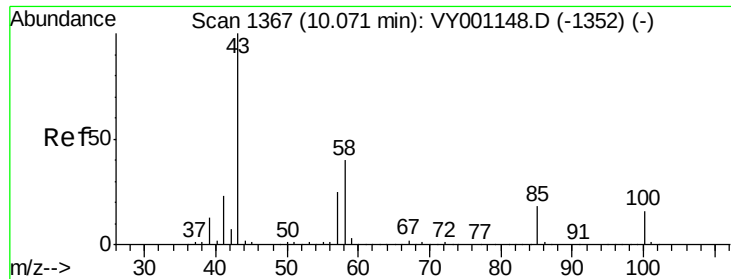
#50
Toluene-d8
Concen: 52.495 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001191.D
Acq: 14 Jan 2020 10:05

Tgt Ion: 98 Resp: 405709
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

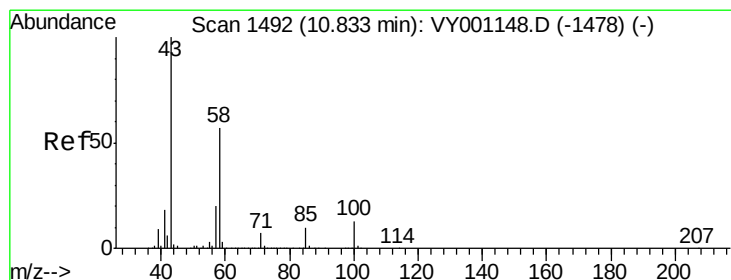
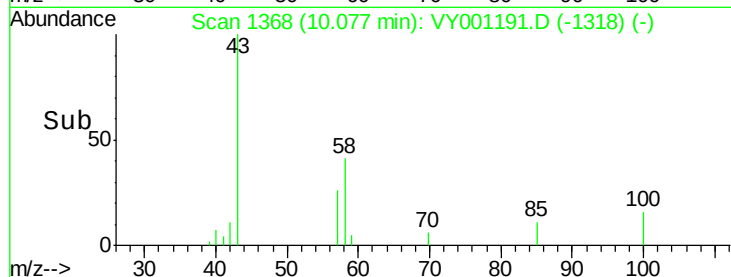
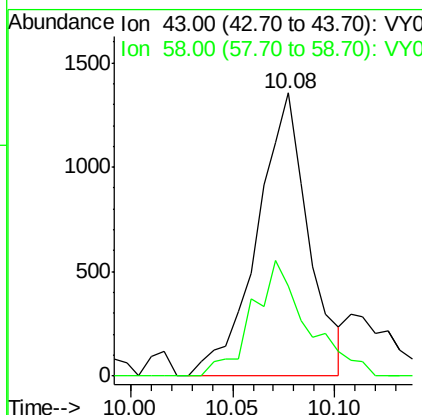
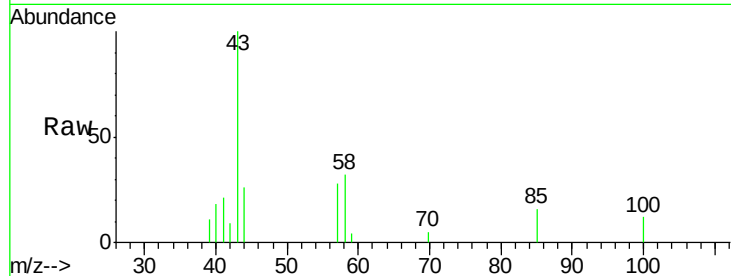




#51
 4-Methyl-2-Pentanone
 Concen: 1.336 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY001191.D
 Acq: 14 Jan 2020 10:05

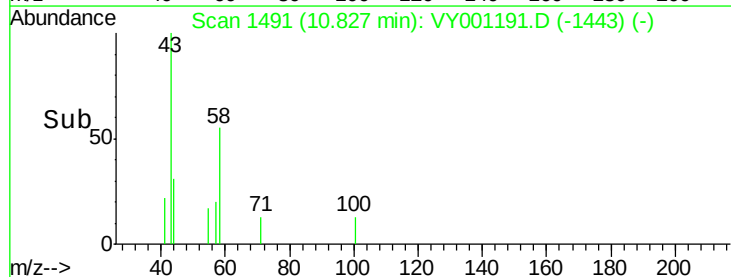
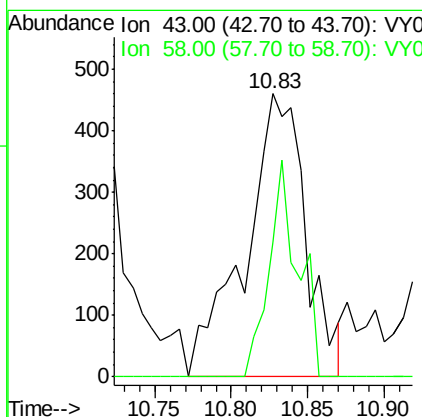
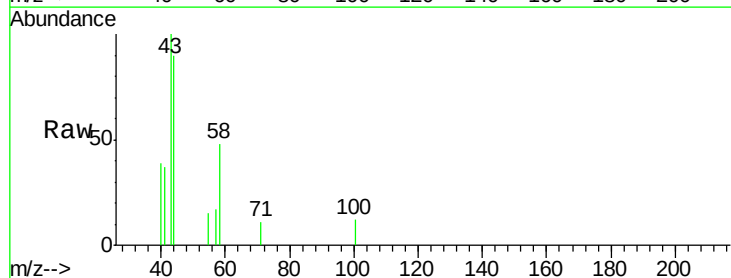
Instrument :
 MSVOA_Y
 ClientSampled :
 VY0114SBL01

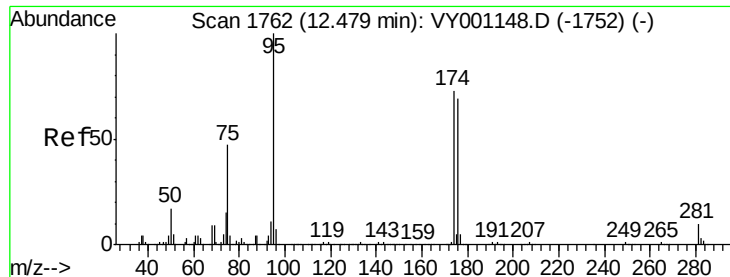
Tgt Ion: 43 Resp: 2376
 Ion Ratio Lower Upper
 43 100
 58 43.8 32.3 48.5



#59
 2-Hexanone
 Concen: 1.011 ug/l
 RT: 10.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VY001191.D
 Acq: 14 Jan 2020 10:05

Tgt Ion: 43 Resp: 1260
 Ion Ratio Lower Upper
 43 100
 58 37.5 28.4 85.2

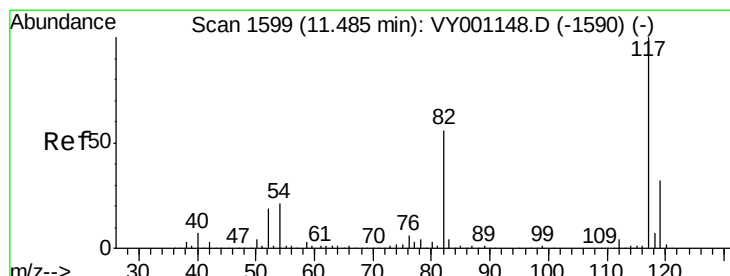
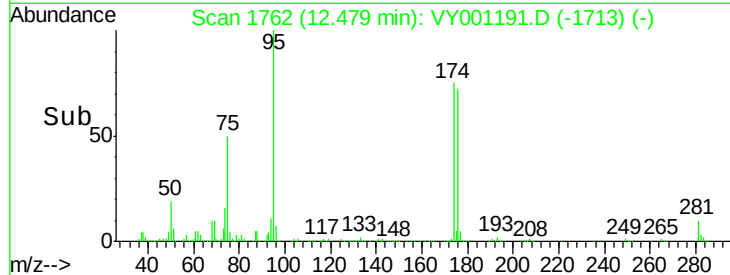
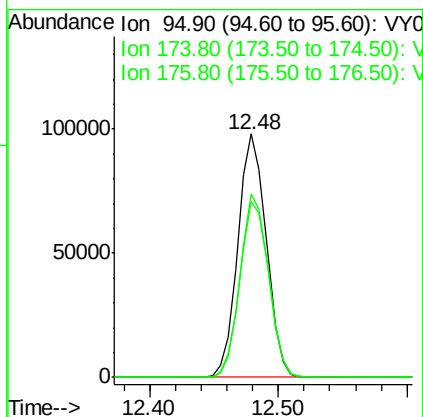
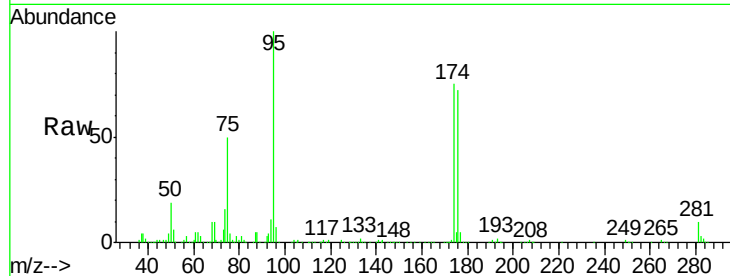




#62
4-Bromofluorobenzene
Concen: 47.165 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001191.D
Acq: 14 Jan 2020 10:05

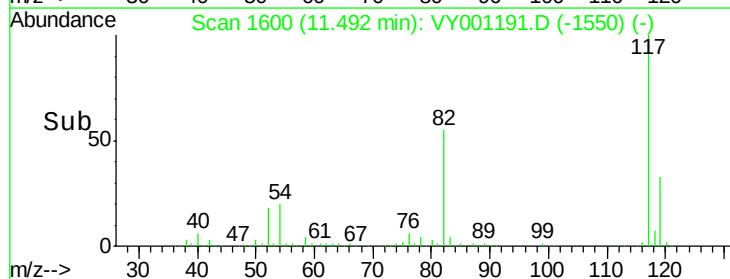
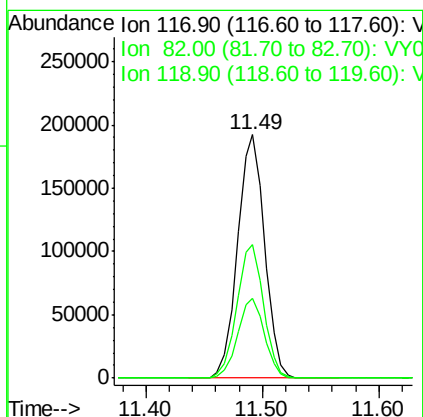
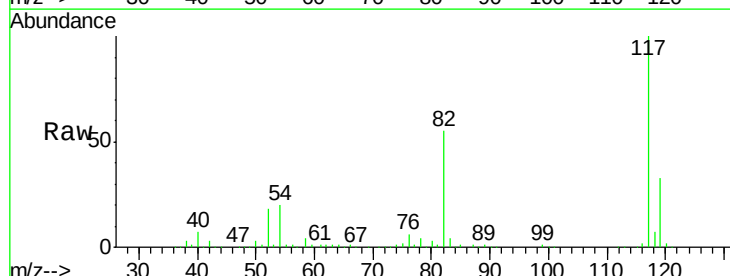
Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBL01

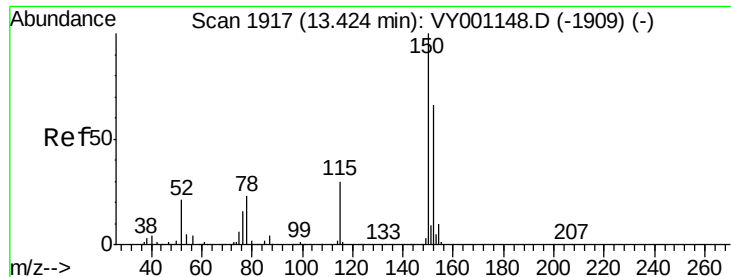
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	143.2
176	73.3	0.0	136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001191.D
Acq: 14 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.9	67.3
119	32.8	25.7	38.5



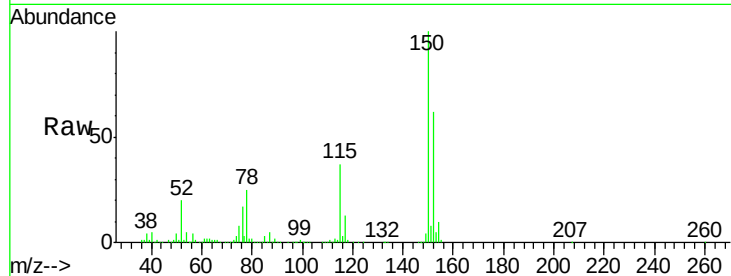


#72

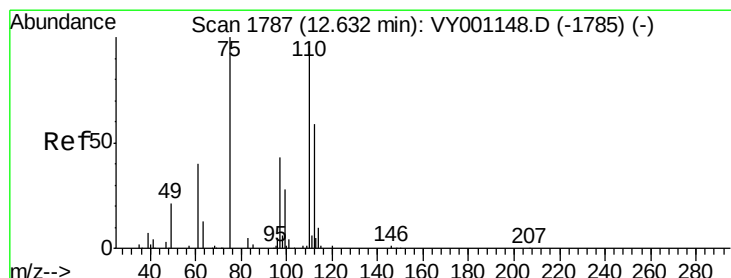
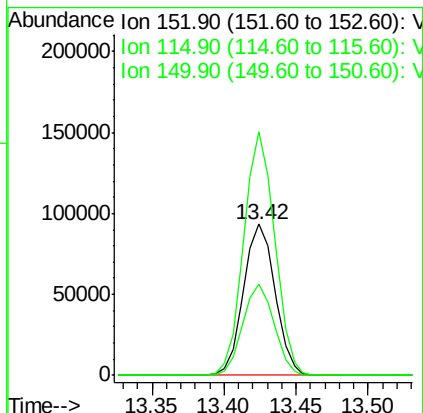
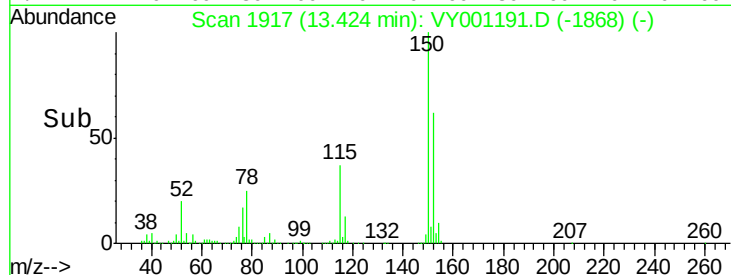
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001191.D
Acq: 14 Jan 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBL01

Tgt Ion: 152 Resp: 141677
Ion Ratio Lower Upper
152 100
115 59.8 30.9 92.5
150 158.1 0.0 346.8



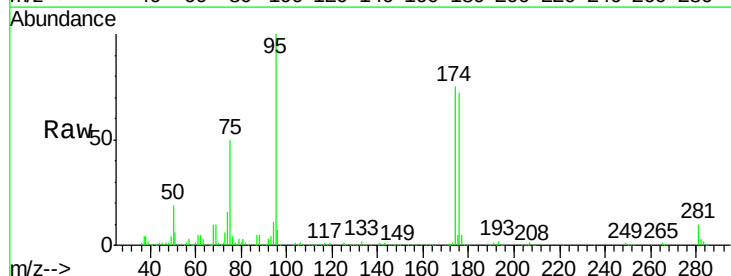
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



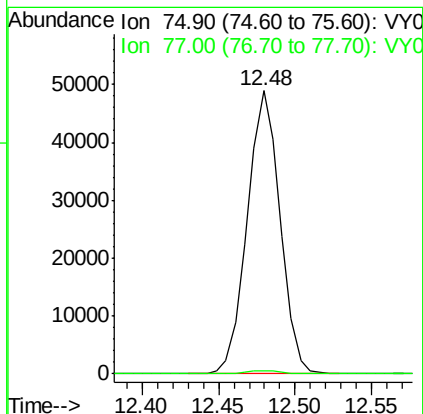
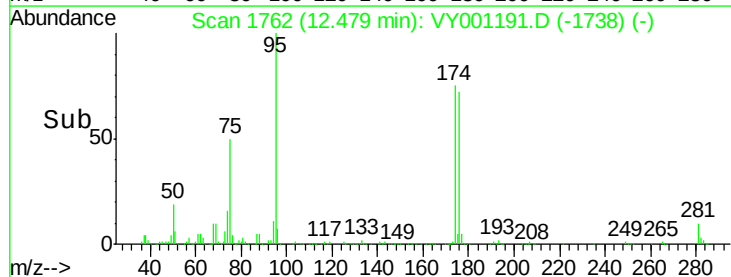
#76

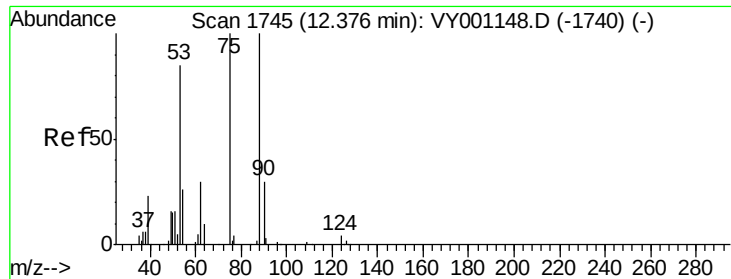
1,2,3-Trichloropropane
Concen: 48.014 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001191.D
Acq: 14 Jan 2020 10:05

Tgt Ion: 75 Resp: 72821
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: 81.421 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001191.D

Acq: 14 Jan 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBL01

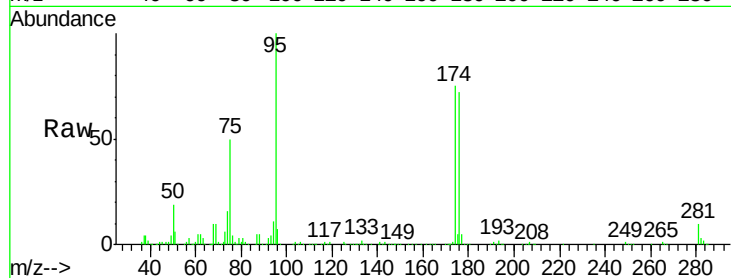
Tgt Ion: 75 Resp: 72821

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

