

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
 Data File : VY001407.D
 Acq On : 27 Jan 2020 15:44
 Operator : SY/MD
 Sample : L1269-05
 Misc : 5.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-22-21-COMP

Quant Time: Jan 27 16:14:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	171680	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	314914	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	288696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134908	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	102583	54.91	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.82%	
35) Dibromofluoromethane	7.74	113	93112	50.38	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.18	98	373819	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.48	95	137961	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

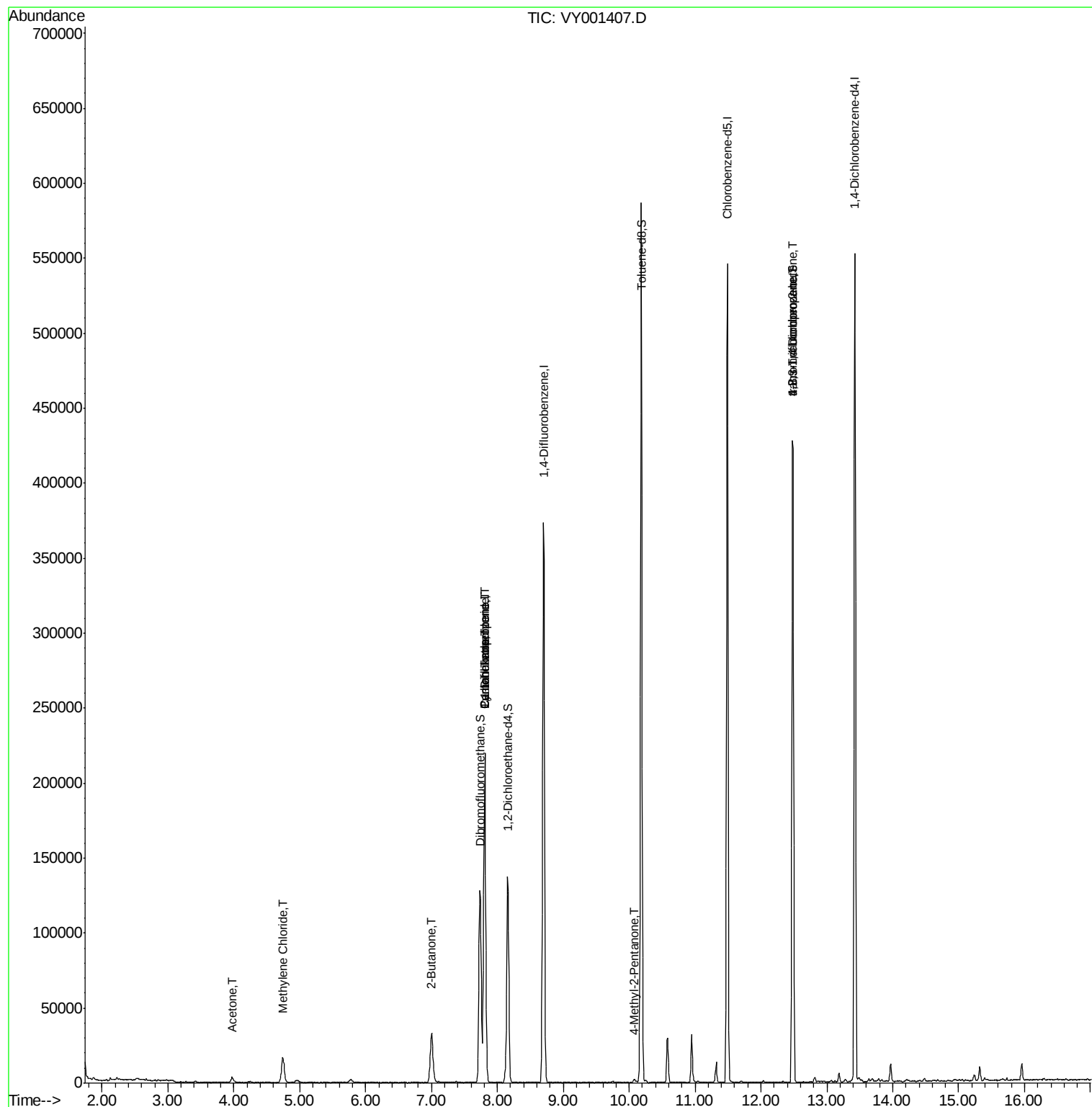
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1429	Below Cal	#	74
13) Acrolein	4.02	56	31	Below Cal		97
16) Acetone	3.97	43	5850	4.44	ug/l	98
20) Methylene Chloride	4.75	84	12158	1.13	ug/l	93
25) 2-Butanone	7.01	43	2989	3.68	ug/l	# 90
31) Cyclohexane	7.80	56	3732	1.03	ug/l	# 1
36) 1,1-Dichloropropene	7.81	75	14189	4.77	ug/l	# 49
38) Carbon Tetrachloride	7.80	117	16543	6.24	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.08	43	2092	1.15	ug/l	# 86
76) 1,2,3-Trichloropropane	12.48	75	69616	42.82	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	69616	81.04	ug/l	# 14

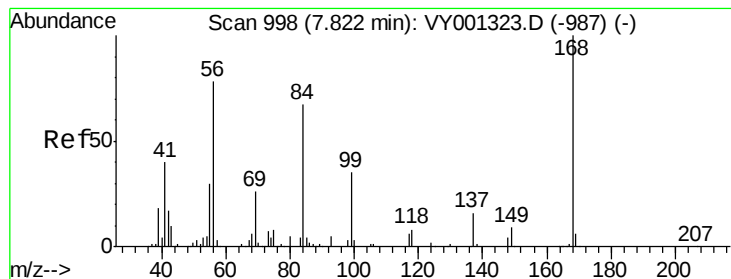
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

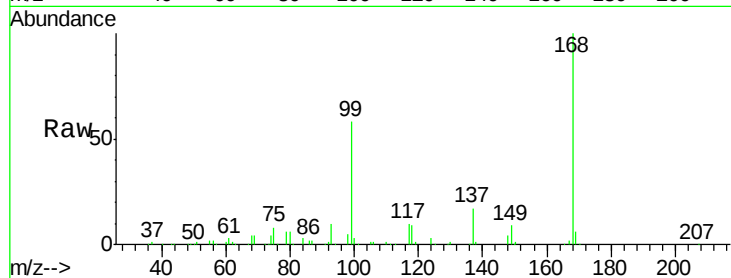
TP-22-21-COMP

Tgt Ion: 168 Resp: 171680

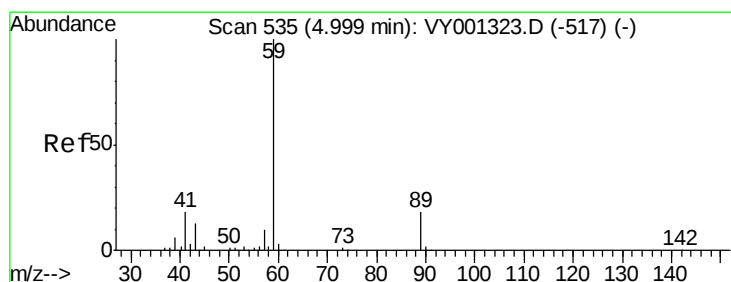
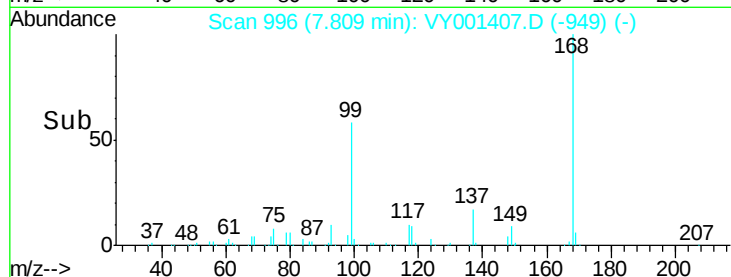
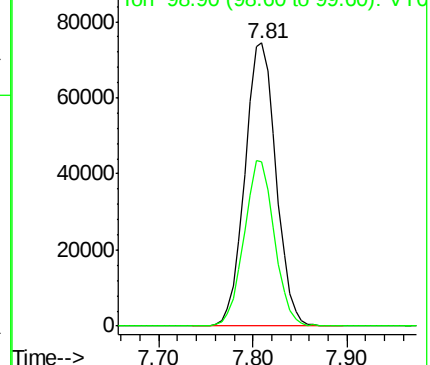
Ion Ratio Lower Upper

168 100

99 58.2 44.3 66.5



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.04 min

Lab File: VY001407.D

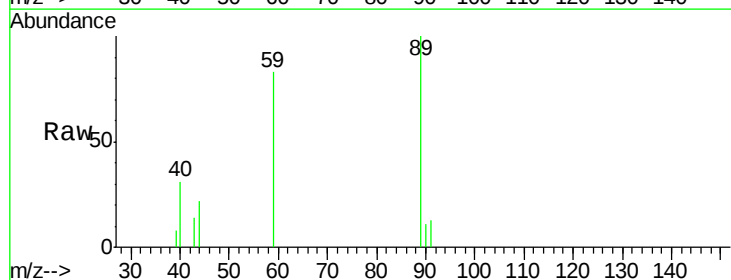
Acq: 27 Jan 2020 15:44

Tgt Ion: 59 Resp: 1429

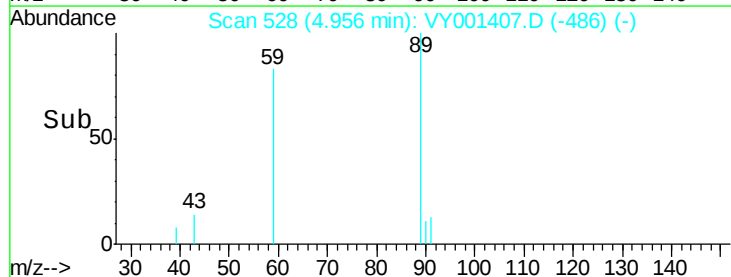
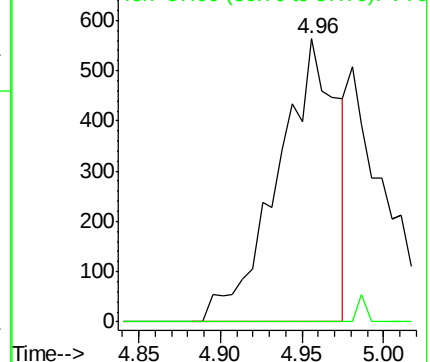
Ion Ratio Lower Upper

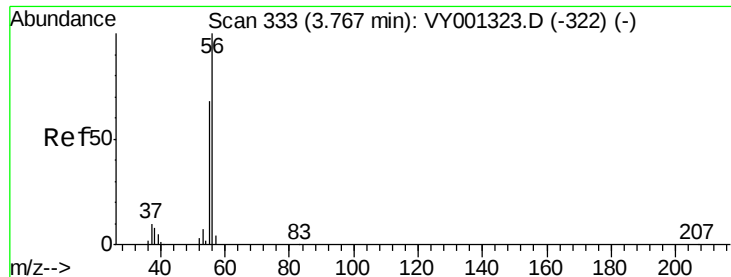
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001323.D (-517) (-)





#13

Acrolein

Concen: Below Cal

RT: 4.02 min Scan# 374

Delta R.T. 0.25 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

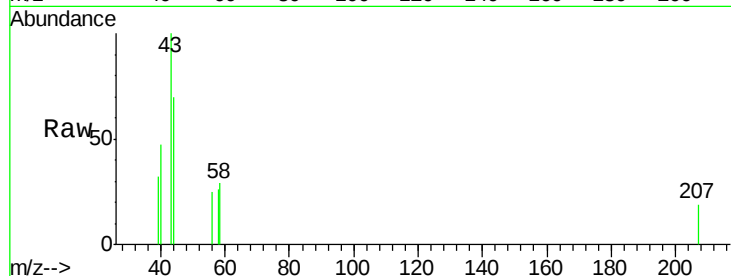
TP-22-21-COMP

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

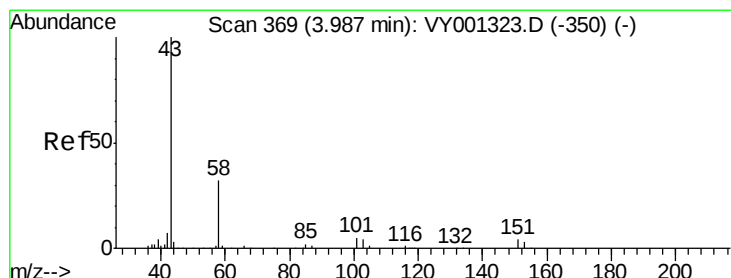
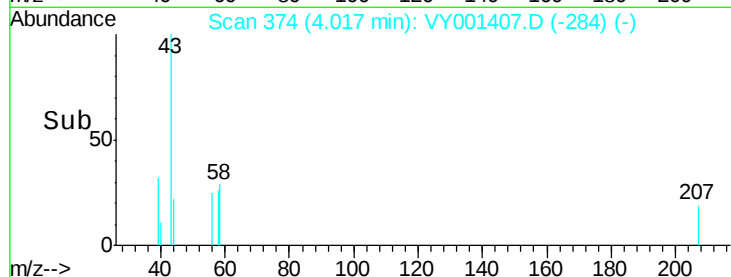
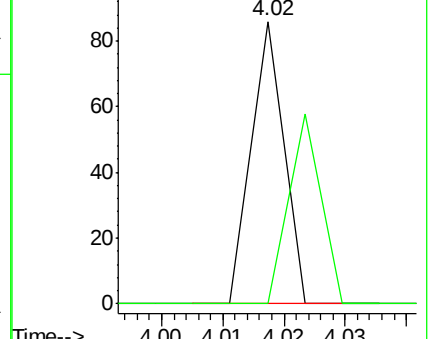
56 100

55 67.7 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 4.44 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.02 min

Lab File: VY001407.D

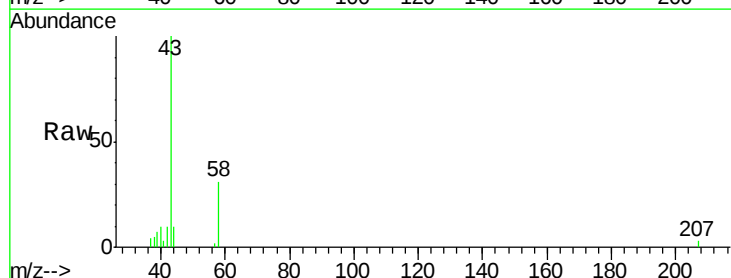
Acq: 27 Jan 2020 15:44

Tgt Ion: 43 Resp: 5850

Ion Ratio Lower Upper

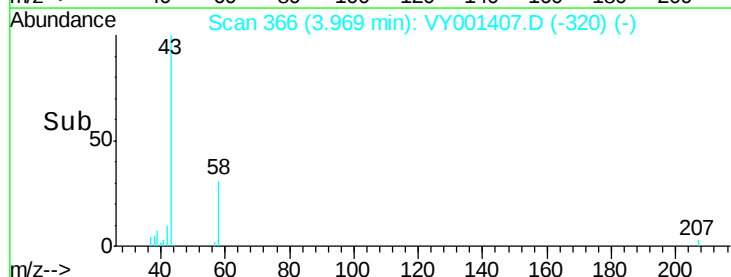
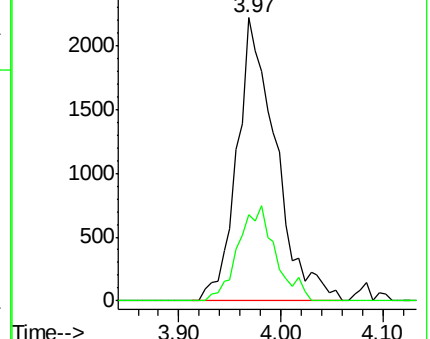
43 100

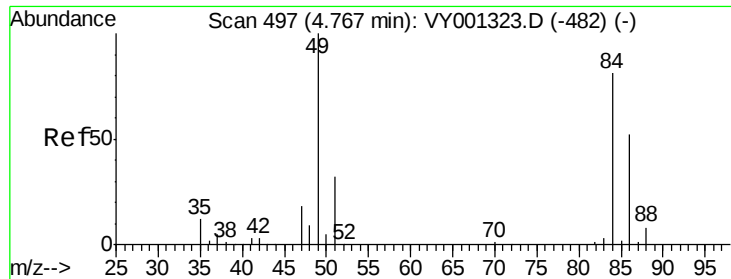
58 30.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

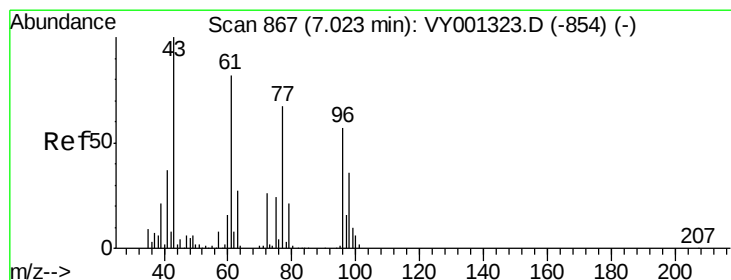
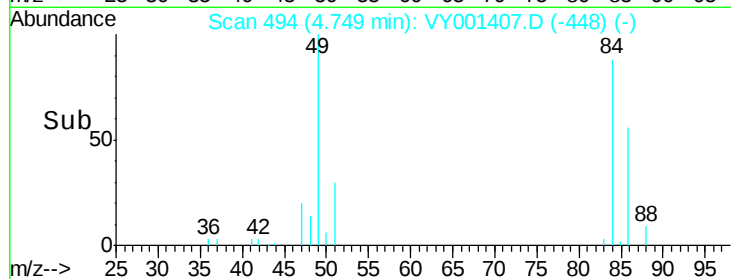
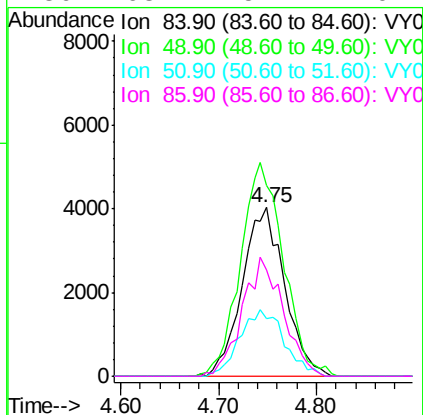
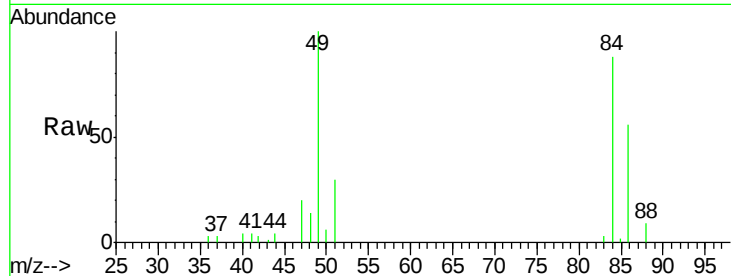




#20
Methylene Chloride
Concen: 1.13 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.02 min
Lab File: VY001407.D
Acq: 27 Jan 2020 15:44

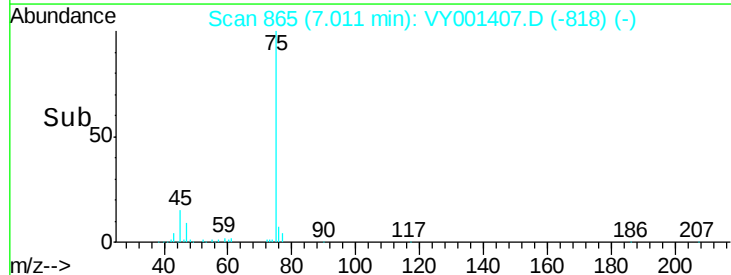
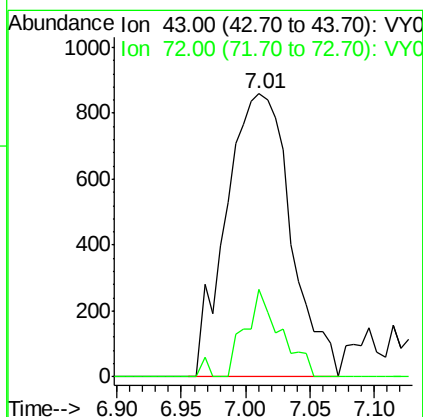
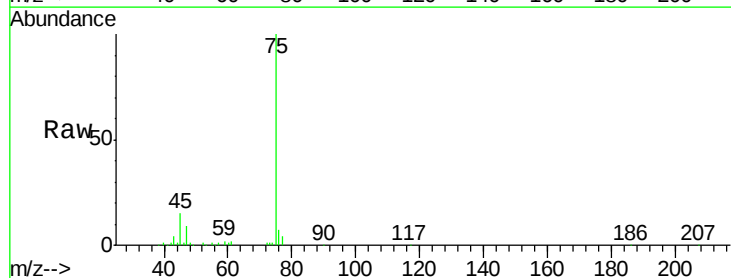
Instrument :
MSVOA_Y
ClientSampleId :
TP-22-21-COMP

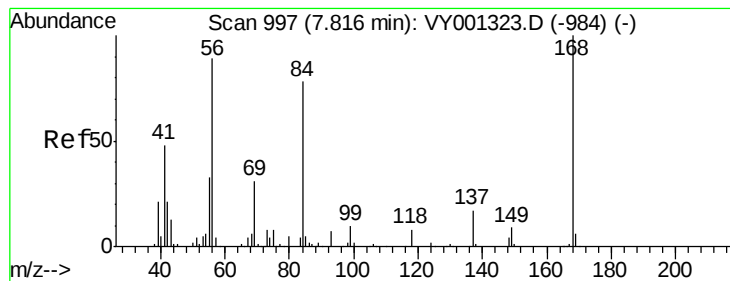
Tgt Ion: 84 Resp: 12158
Ion Ratio Lower Upper
84 100
49 113.1 98.3 147.5
51 33.9 31.6 47.4
86 63.2 51.1 76.7



#25
2-Butanone
Concen: 3.68 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001407.D
Acq: 27 Jan 2020 15:44

Tgt Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
72 31.1 20.6 31.0#





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-22-21-COMP

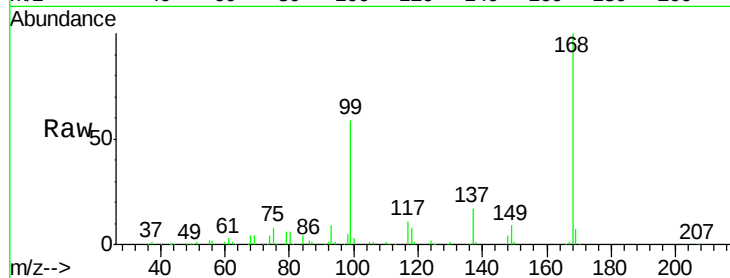
Tgt Ion: 56 Resp: 3732

Ion Ratio Lower Upper

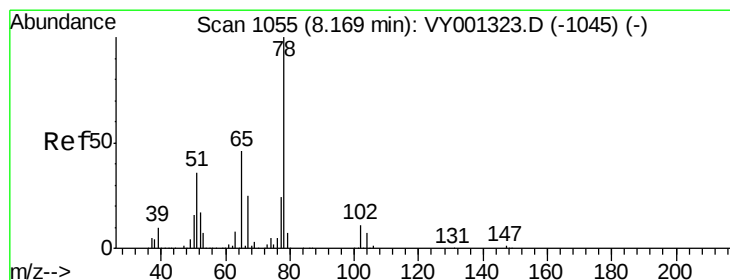
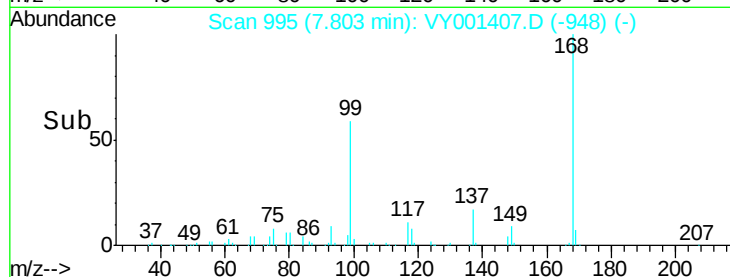
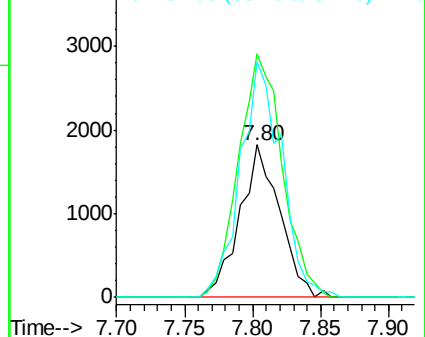
56 100

69 159.8 27.6 41.4#

84 154.8 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: 54.91 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001407.D

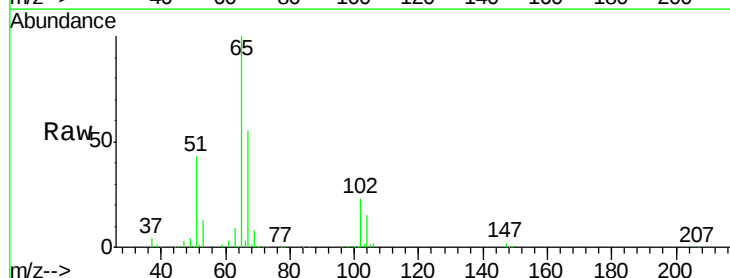
Acq: 27 Jan 2020 15:44

Tgt Ion: 65 Resp: 102583

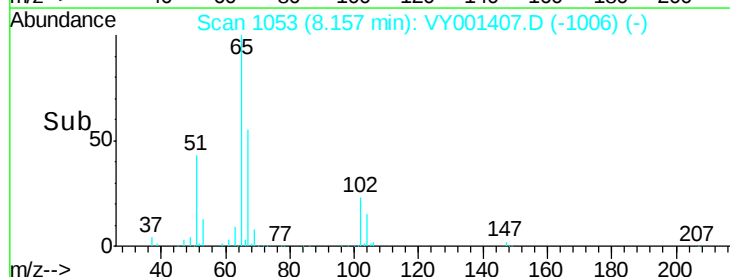
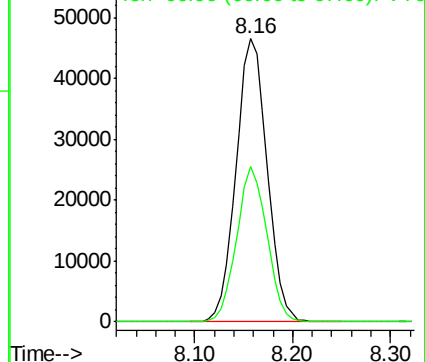
Ion Ratio Lower Upper

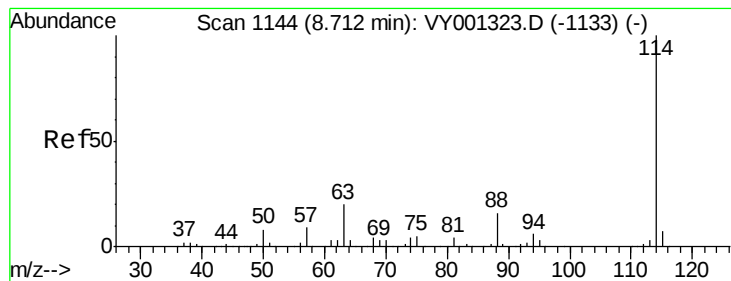
65 100

67 53.6 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: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-22-21-COMP

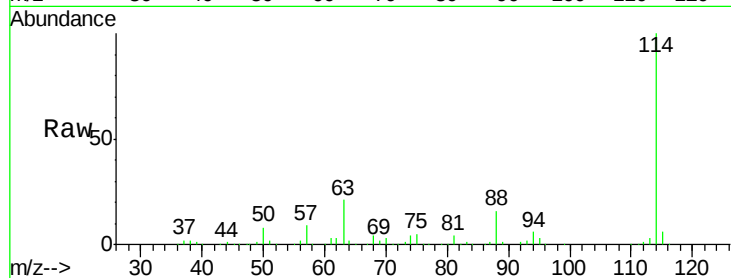
Tgt Ion:114 Resp: 314914

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

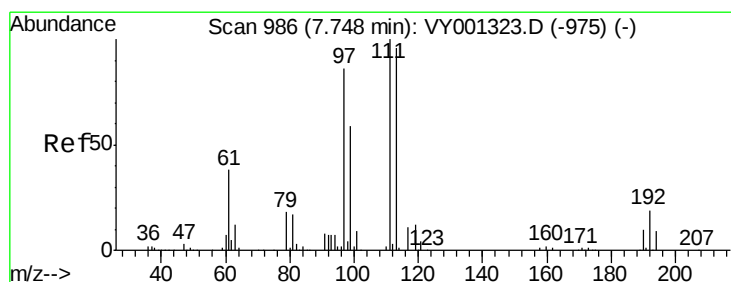
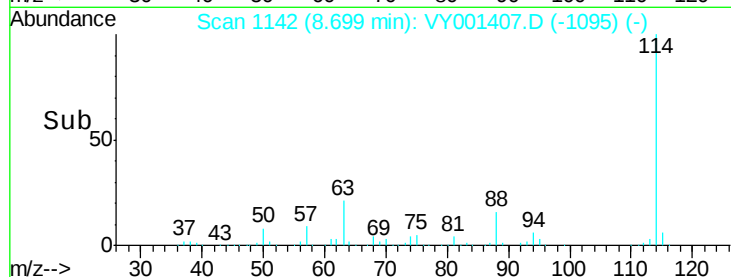
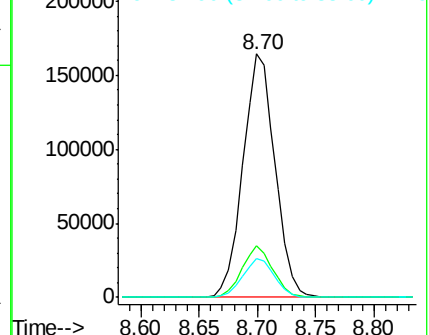
88 15.7 0.0 31.0



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: 50.38 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

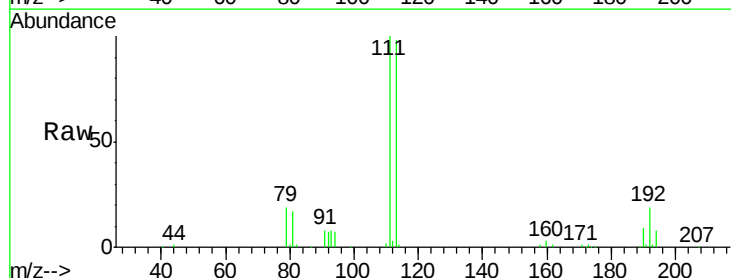
Tgt Ion:113 Resp: 93112

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

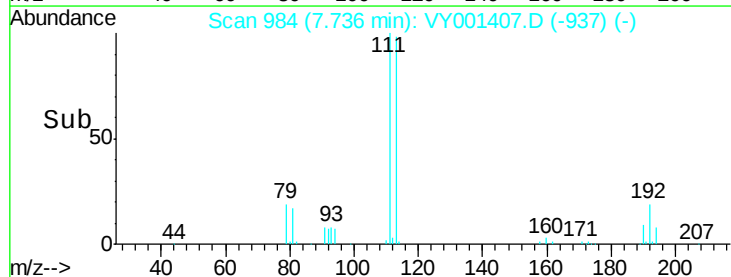
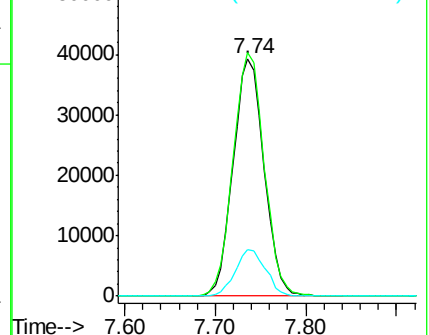
192 19.2 15.5 23.3

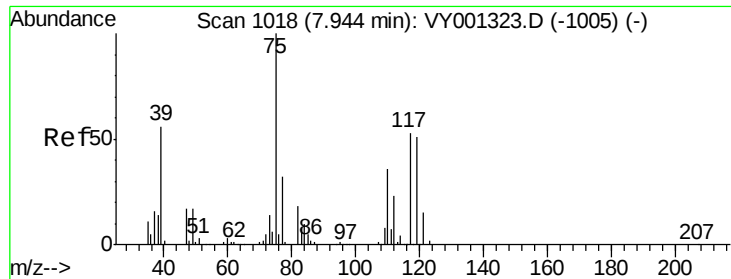


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

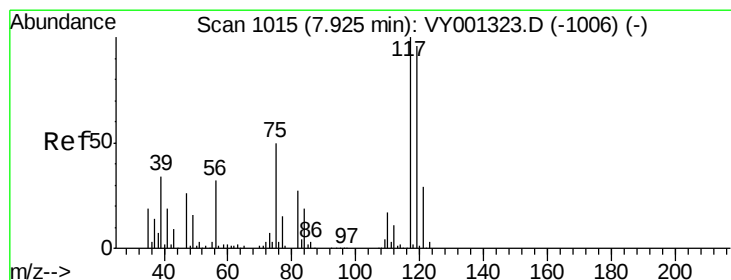
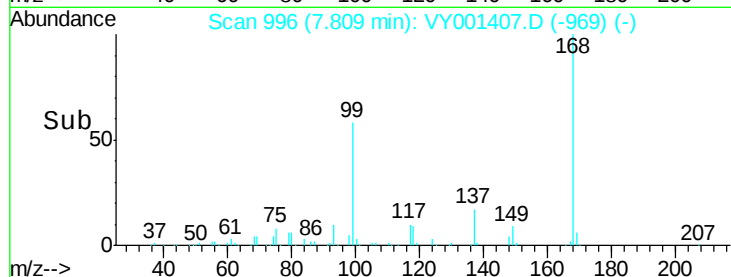
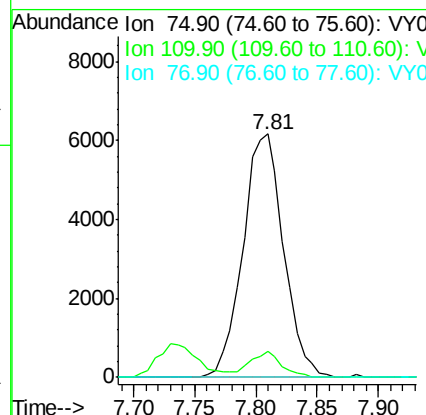
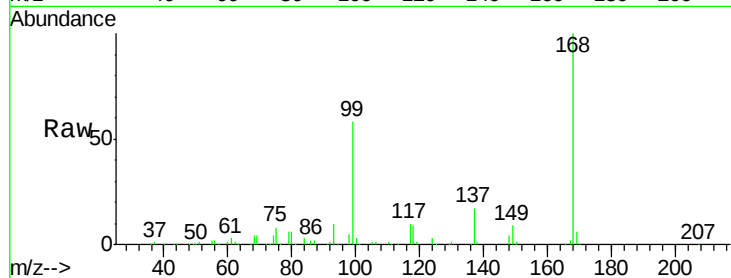




#36
 1,1-Dichloropropene
 Concen: 4.77 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001407.D
 Acq: 27 Jan 2020 15:44

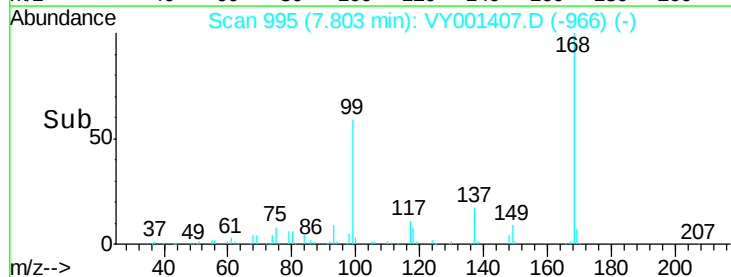
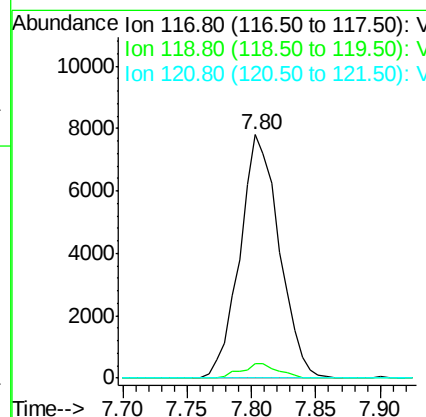
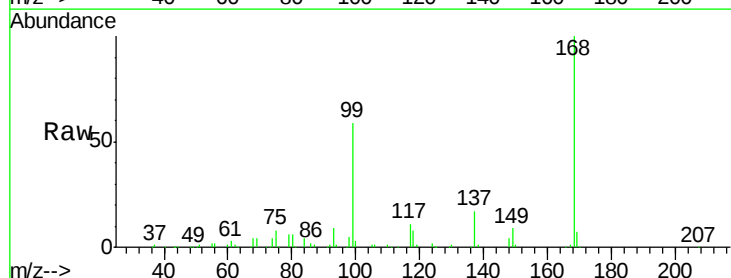
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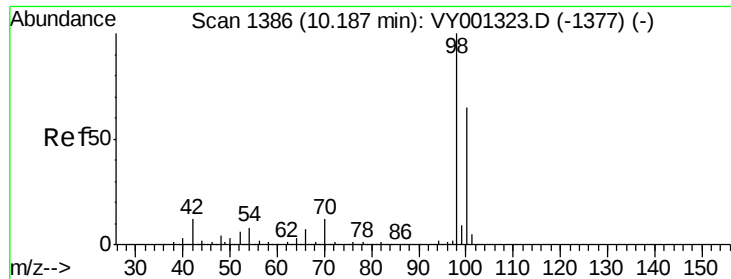
Tgt Ion: 75 Resp: 14189
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.6 52.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.24 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001407.D
 Acq: 27 Jan 2020 15:44

Tgt Ion: 117 Resp: 16543
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.06 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

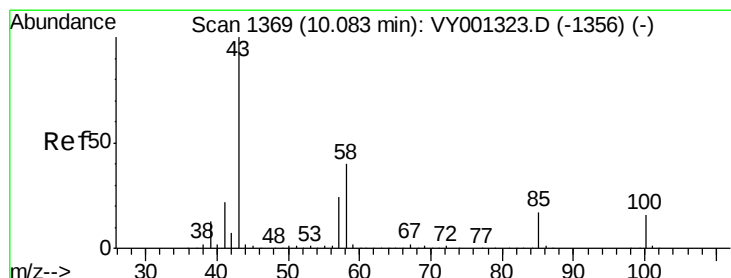
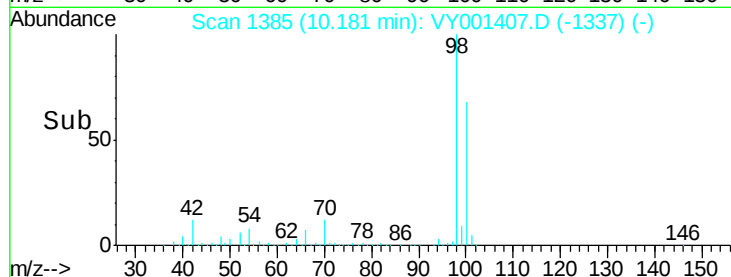
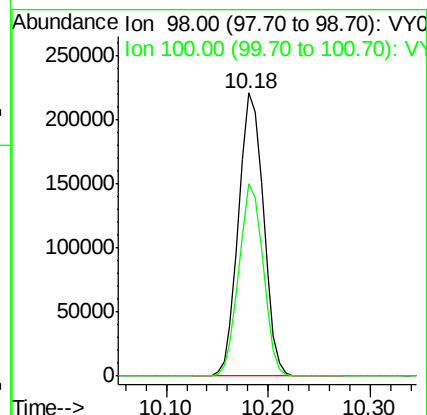
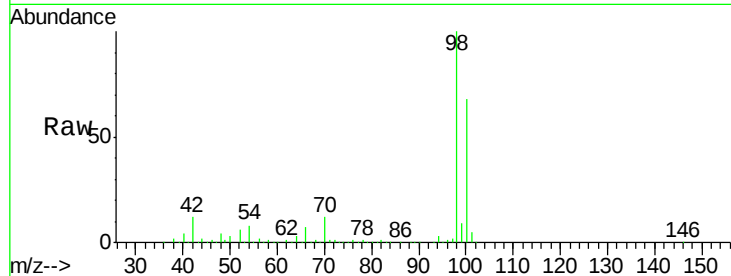
TP-22-21-COMP

Tgt Ion: 98 Resp: 373819

Ion Ratio Lower Upper

98 100

100 66.1 52.6 79.0



#51

4-Methyl-2-Pentanone

Concen: 1.15 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001407.D

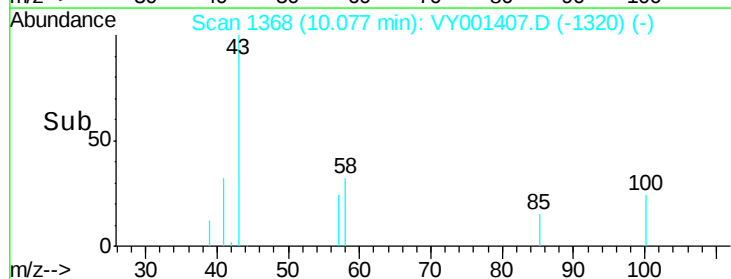
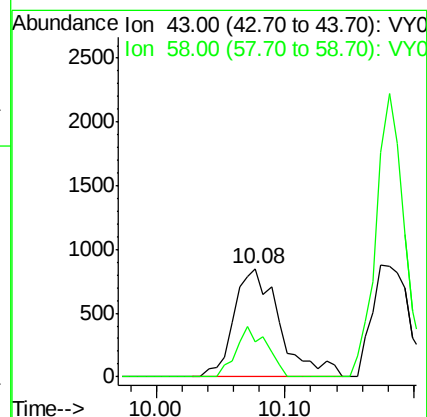
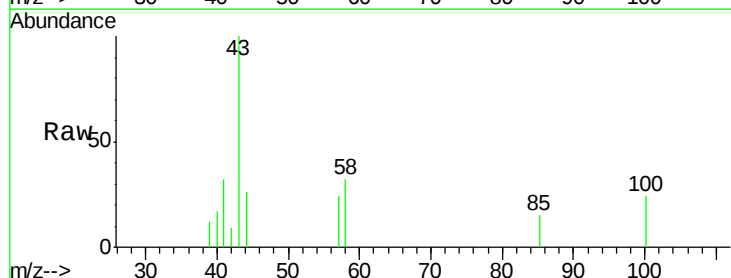
Acq: 27 Jan 2020 15:44

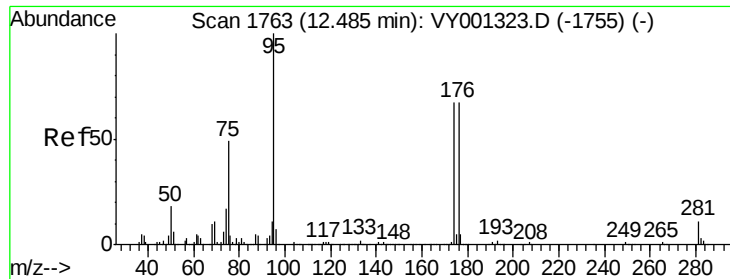
Tgt Ion: 43 Resp: 2092

Ion Ratio Lower Upper

43 100

58 30.9 31.5 47.3#

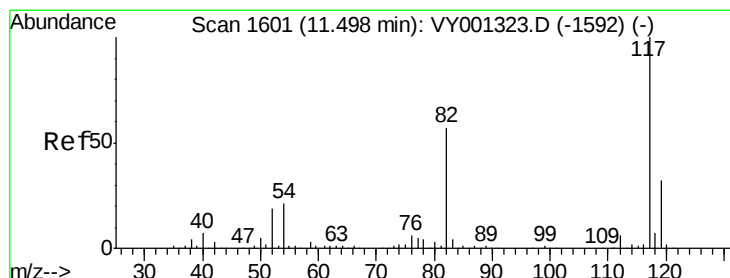
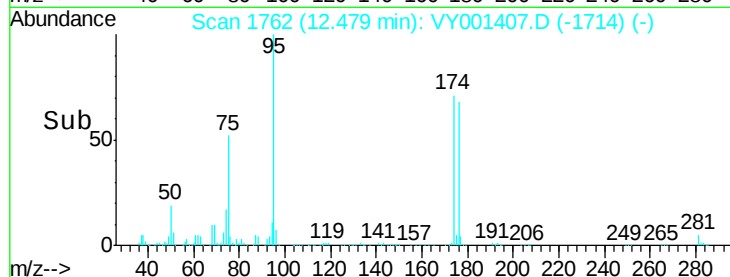
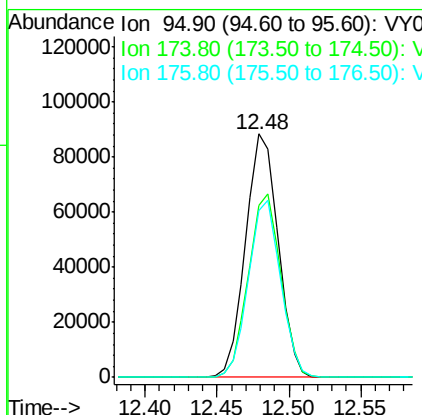
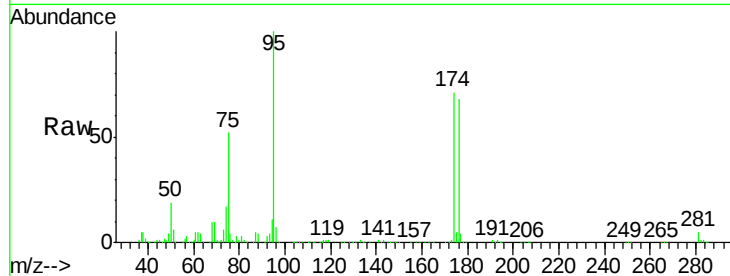




#62
4-Bromofluorobenzene
Concen: 48.24 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY001407.D
Acq: 27 Jan 2020 15:44

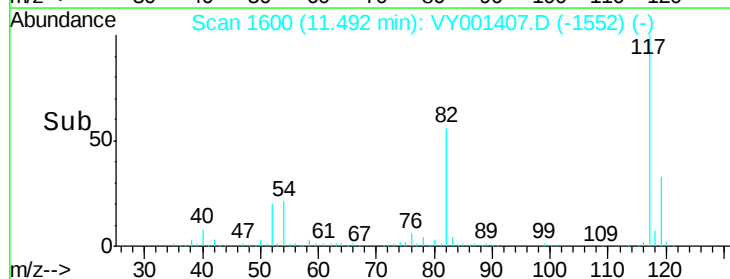
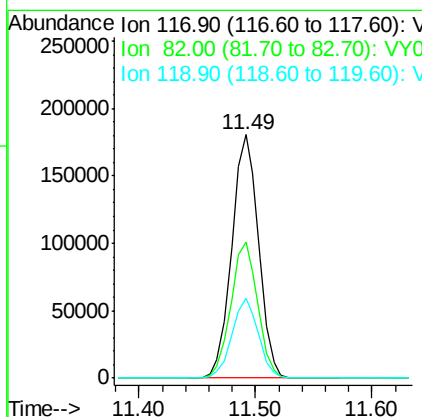
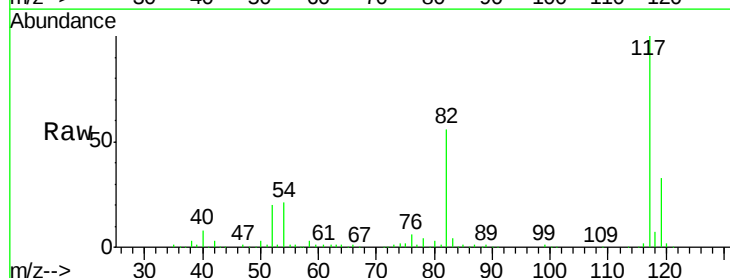
Instrument :
MSVOA_Y
ClientSampleId :
TP-22-21-COMP

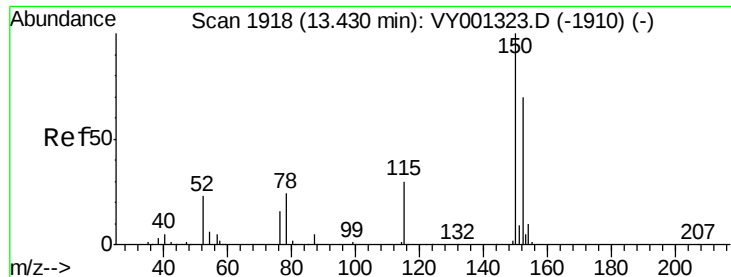
Tgt Ion: 95 Resp: 137961
Ion Ratio Lower Upper
95 100
174 74.9 0.0 142.0
176 71.8 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001407.D
Acq: 27 Jan 2020 15:44

Tgt Ion: 117 Resp: 288696
Ion Ratio Lower Upper
117 100
82 55.8 45.5 68.3
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-22-21-COMP

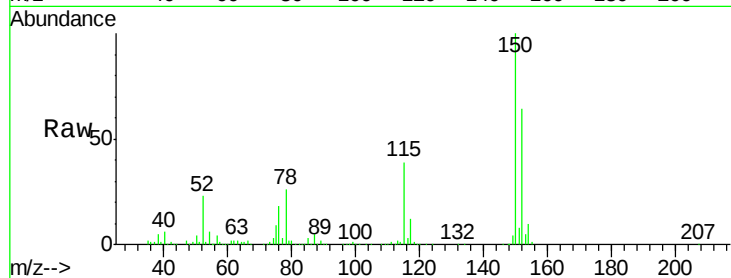
Tgt Ion:152 Resp: 134908

Ion Ratio Lower Upper

152 100

115 60.0 30.9 92.8

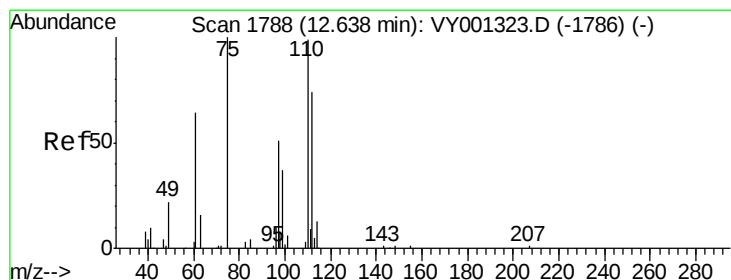
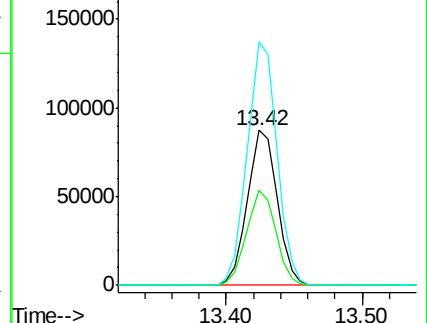
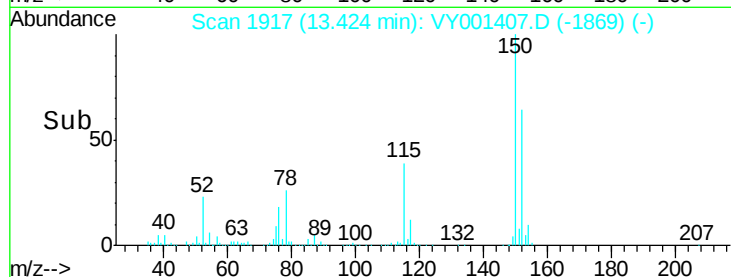
150 156.8 0.0 349.2



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: 42.82 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001407.D

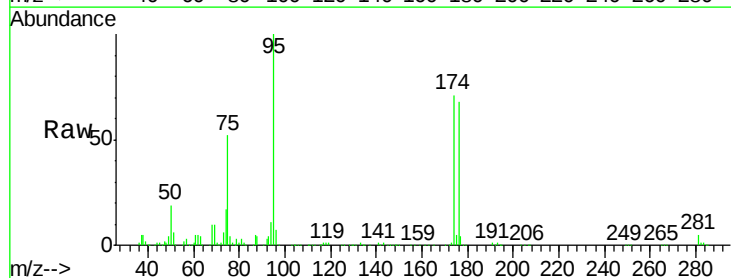
Acq: 27 Jan 2020 15:44

Tgt Ion: 75 Resp: 69616

Ion Ratio Lower Upper

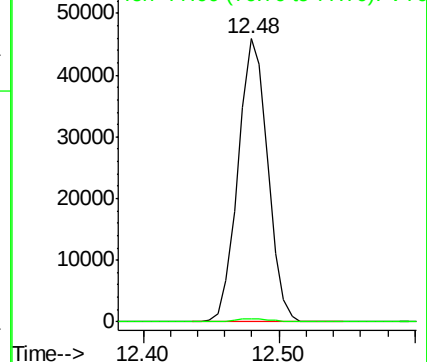
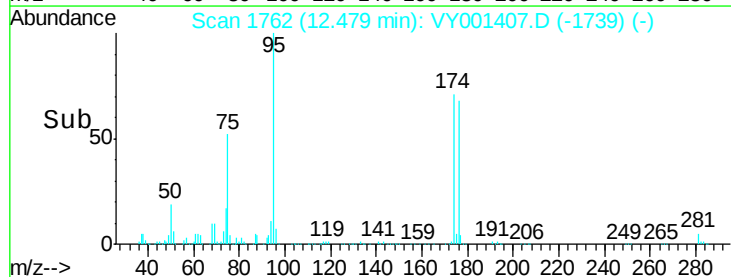
75 100

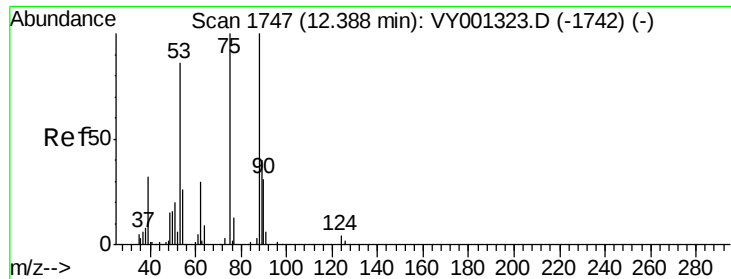
77 1.2 0.0 0.0#



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: 81.04 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001407.D

Acq: 27 Jan 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-22-21-COMP

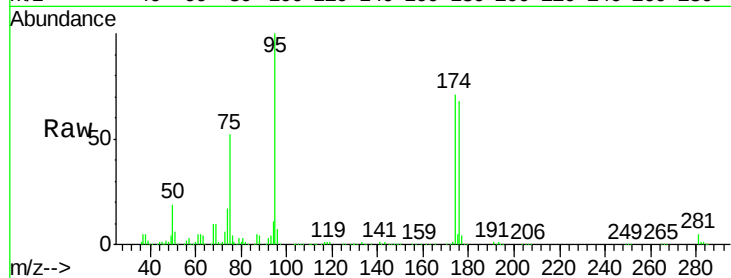
Tgt Ion: 75 Resp: 69616

Ion Ratio Lower Upper

75 100

53 0.1 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

