

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012920\
 Data File : VY001417.D
 Acq On : 29 Jan 2020 12:42
 Operator : SY/MD
 Sample : L1013-07
 Misc : 5.94G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-05-012820

Quant Time: Jan 29 15:20:00 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	7.82	168	162694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	300666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	270882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	116702	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	93587	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	7.75	113	88490	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.19	98	359113	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.49	95	126378	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	

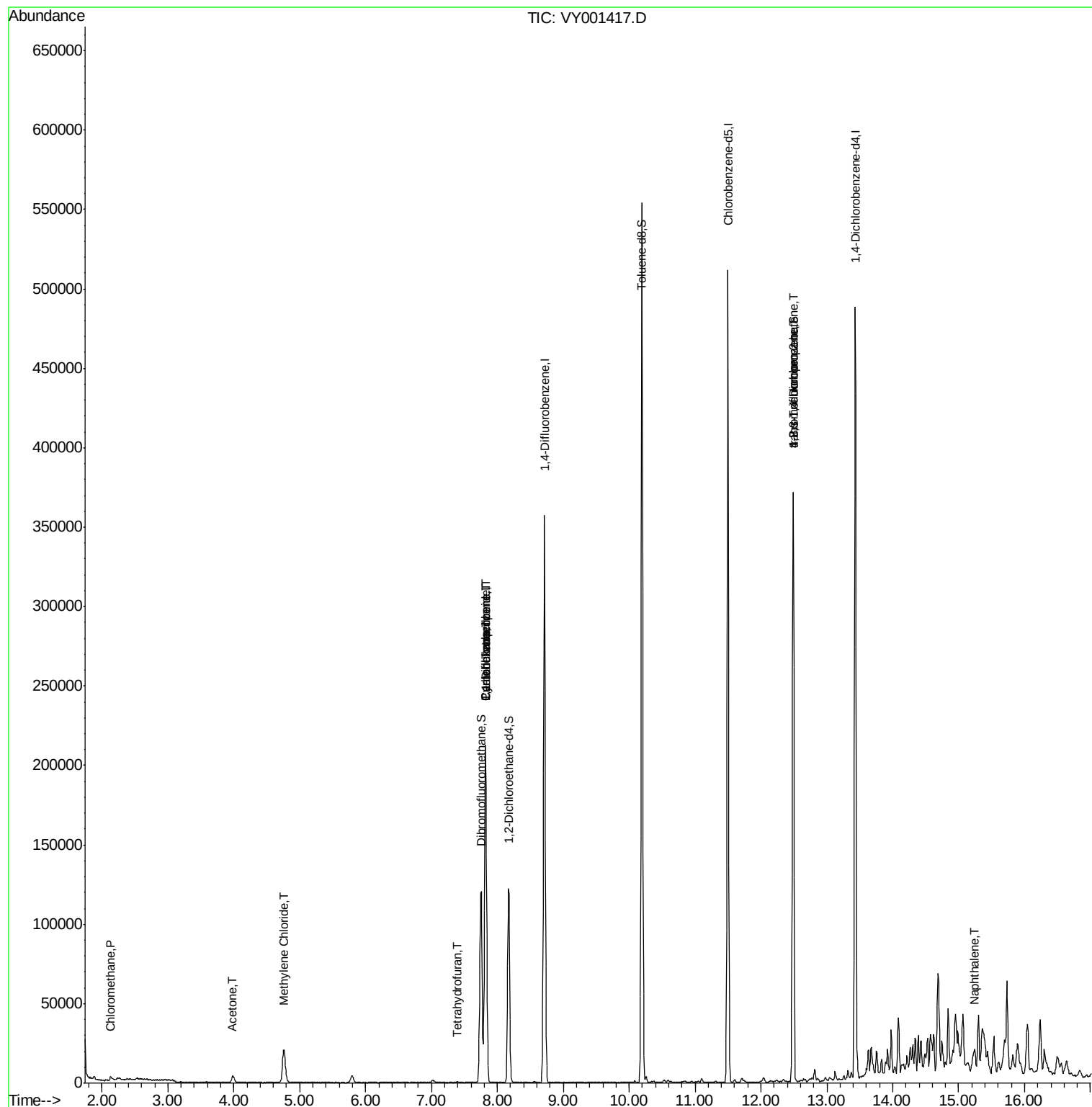
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.13	50	2005	1.03	ug/l	# 87
11) Tert butyl alcohol	5.01	59	159	Below	Cal	# 74
13) Acrolein	3.98	56	23	Below	Cal	# 1
16) Acetone	3.99	43	7469	8.70	ug/l	94
20) Methylene Chloride	4.75	84	16252	3.49	ug/l	97
29) Tetrahydrofuran	7.39	42	530	1.06	ug/l	# 67
31) Cyclohexane	7.82	56	3627	1.06	ug/l	# 1
36) 1,1-Dichloropropene	7.82	75	13427	4.73	ug/l	# 49
38) Carbon Tetrachloride	7.82	117	16003	6.32	ug/l	# 15
76) 1,2,3-Trichloropropane	12.49	75	63262	44.99	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	63262	85.13	ug/l	# 14
95) Naphthalene	15.25	128	6246	1.12	ug/l	# 94

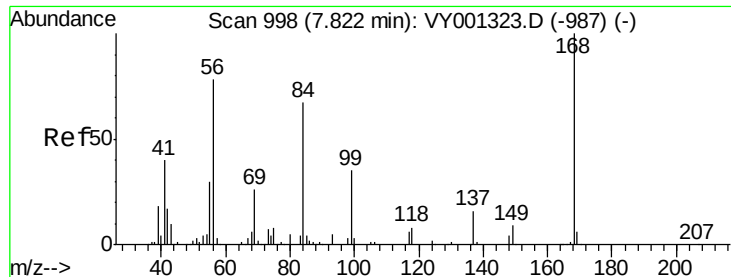
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

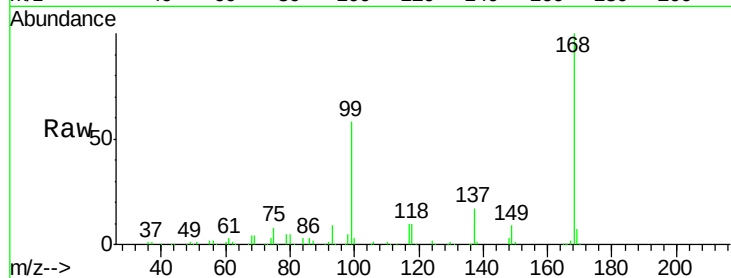
PL-05-012820

Tgt Ion:168 Resp: 162694

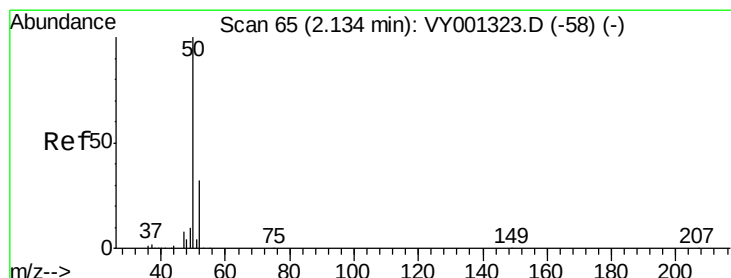
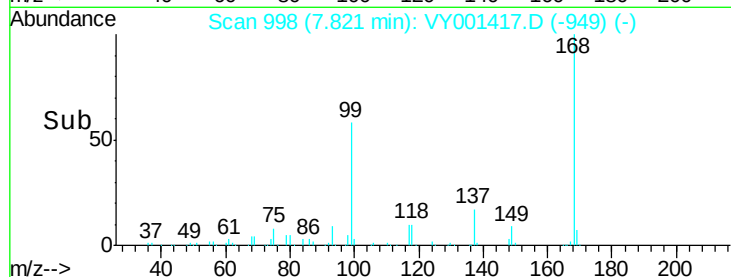
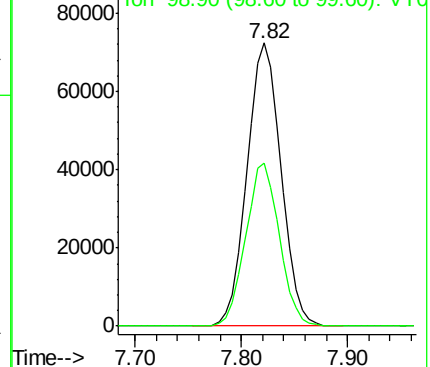
Ion Ratio Lower Upper

168 100

99 57.5 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001417.D (-949) (-)



#3

Chloromethane

Concen: 1.03 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001417.D

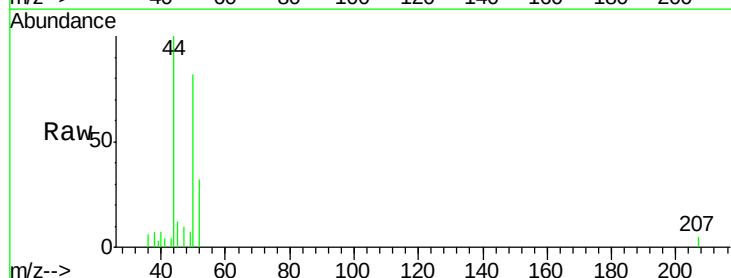
Acq: 29 Jan 2020 12:42

Tgt Ion: 50 Resp: 2005

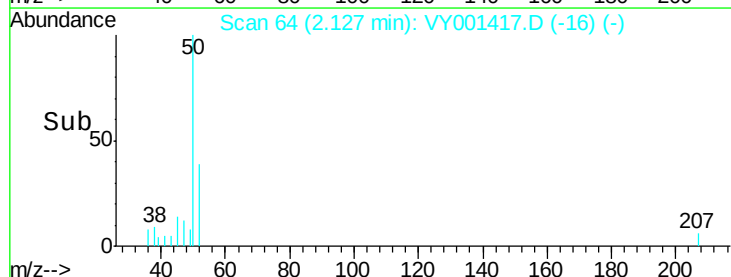
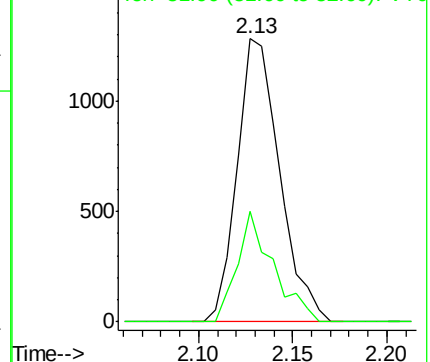
Ion Ratio Lower Upper

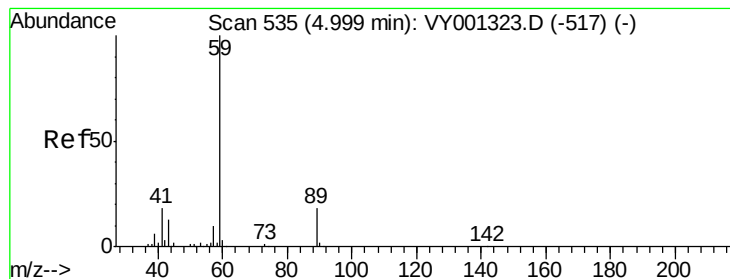
50 100

52 39.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VY001417.D (-16) (-)



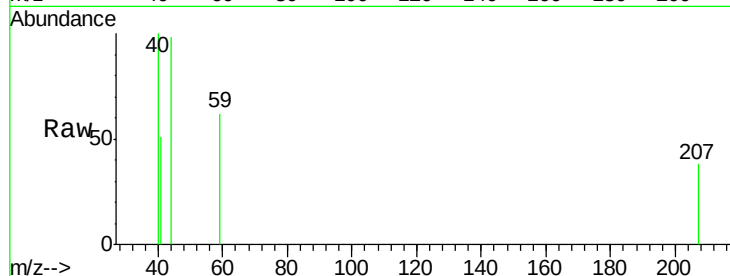


#11

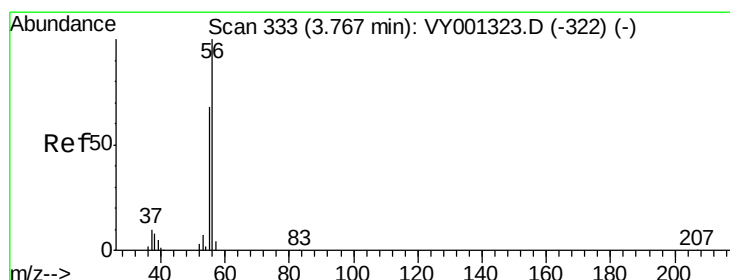
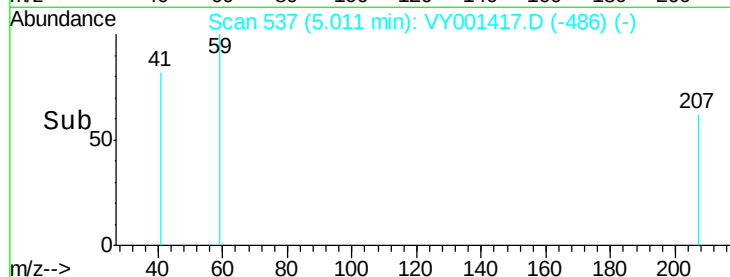
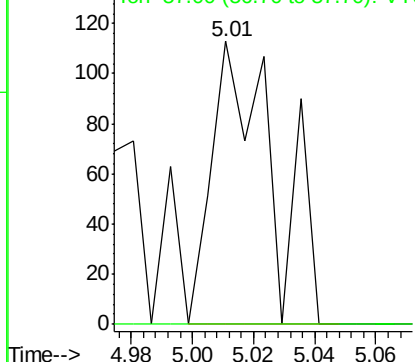
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.01 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VY001417.D
 Acq: 29 Jan 2020 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-05-012820

Tgt Ion: 59 Resp: 159
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



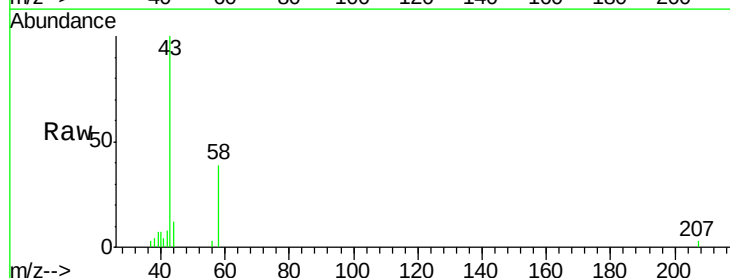
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



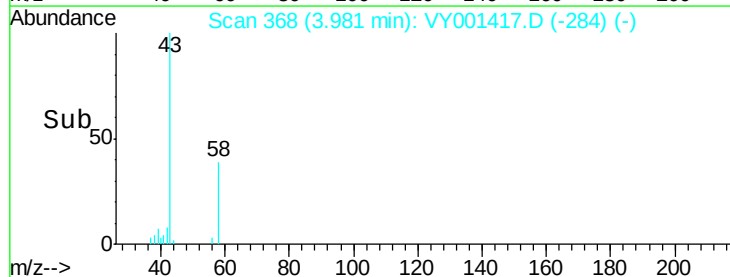
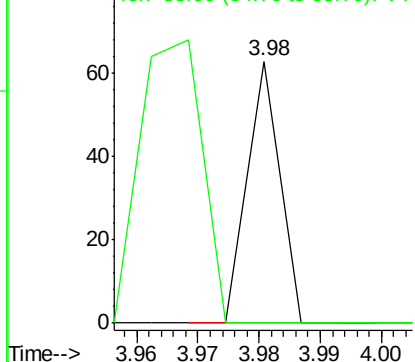
#13

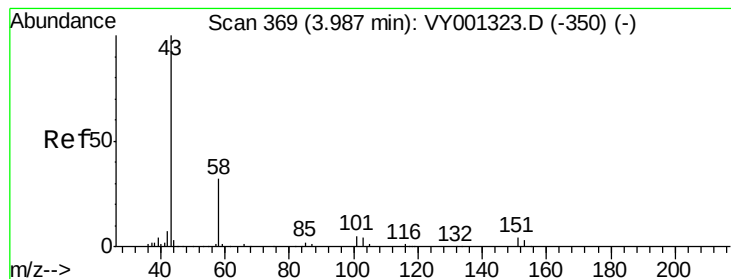
Acrolein
 Concen: Below Cal
 RT: 3.98 min Scan# 368
 Delta R.T. 0.21 min
 Lab File: VY001417.D
 Acq: 29 Jan 2020 12:42

Tgt Ion: 56 Resp: 23
 Ion Ratio Lower Upper
 56 100
 55 208.7 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: 8.70 ug/l

RT: 3.99 min Scan# 369

Delta R.T. -0.00 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

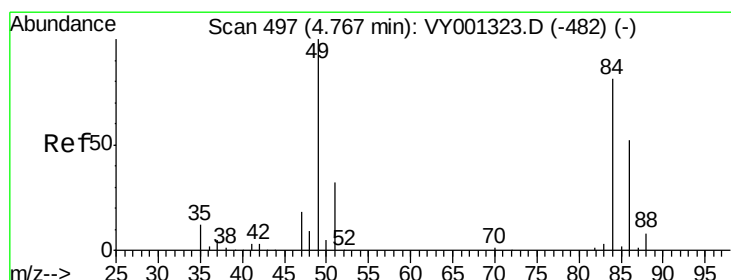
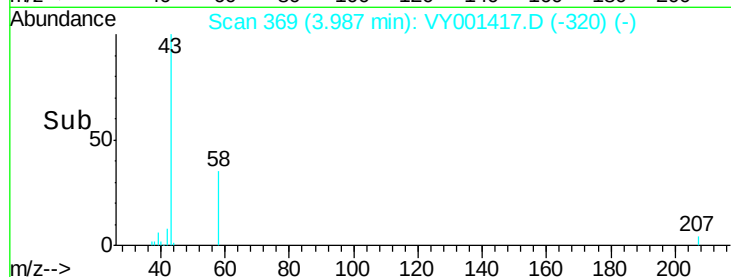
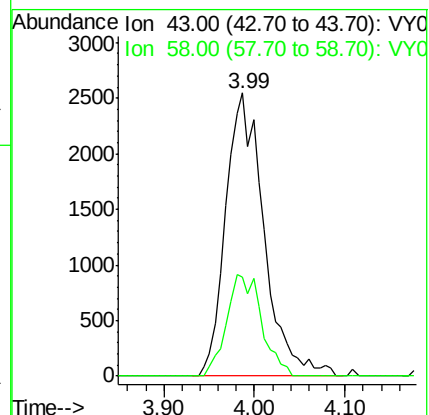
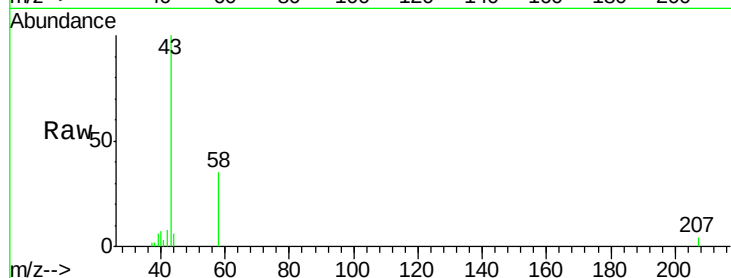
PL-05-012820

Tgt Ion: 43 Resp: 7469

Ion Ratio Lower Upper

43 100

58 35.0 25.4 38.0



#20

Methylene Chloride

Concen: 3.49 ug/l

RT: 4.75 min Scan# 495

Delta R.T. -0.01 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Tgt Ion: 84 Resp: 16252

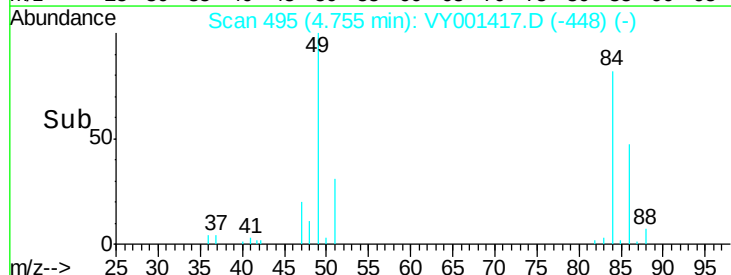
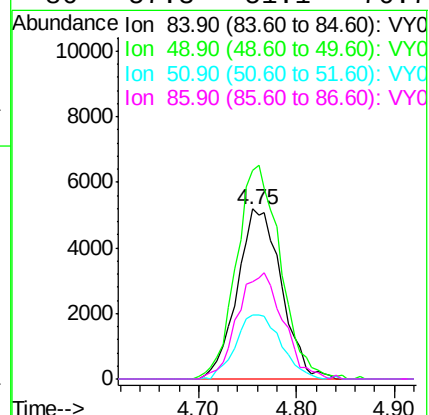
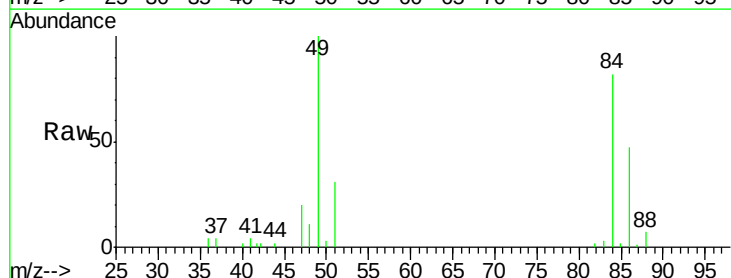
Ion Ratio Lower Upper

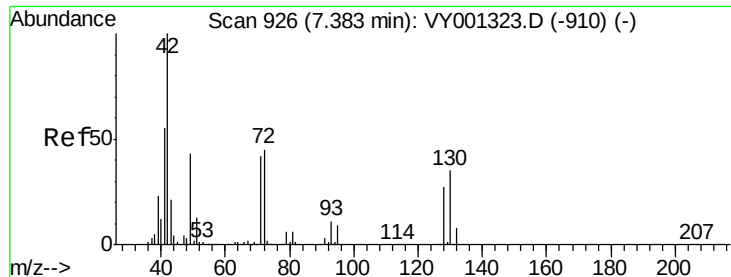
84 100

49 122.4 98.3 147.5

51 37.5 31.6 47.4

86 57.3 51.1 76.7





#29

Tetrahydrofuran

Concen: 1.06 ug/l

RT: 7.39 min Scan# 928

Delta R.T. 0.01 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

PL-05-012820

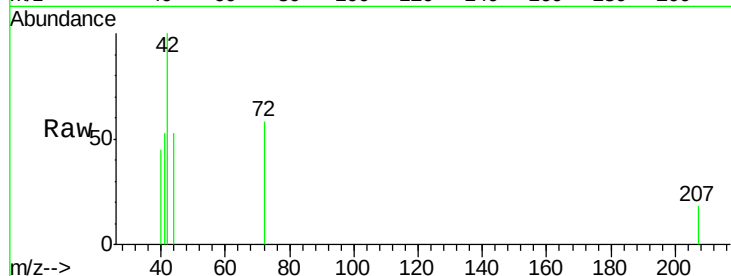
Tgt Ion: 42 Resp: 530

Ion Ratio Lower Upper

42 100

72 44.9 34.6 51.8

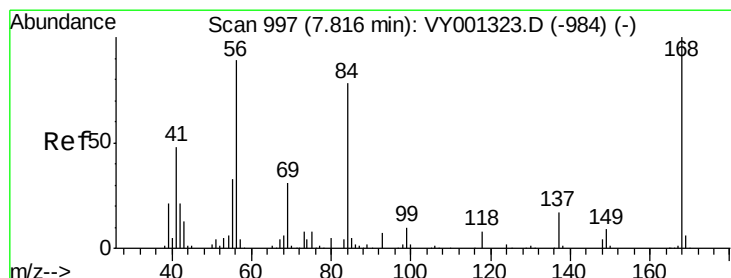
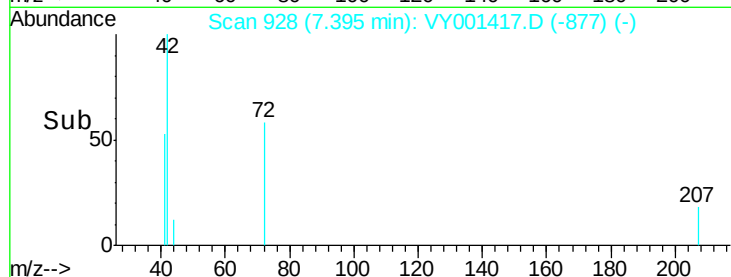
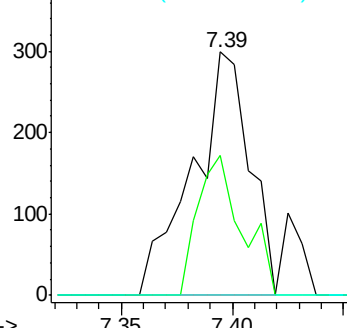
71 0.0 32.6 48.8#



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: 1.06 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

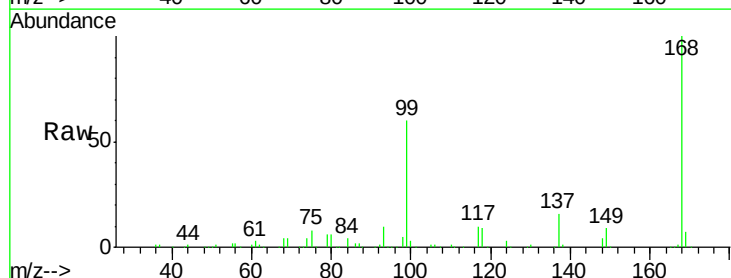
Tgt Ion: 56 Resp: 3627

Ion Ratio Lower Upper

56 100

69 152.3 27.6 41.4#

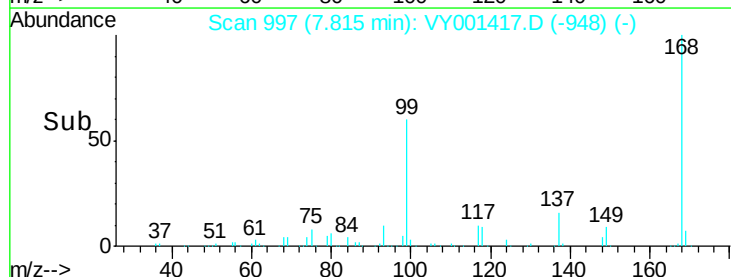
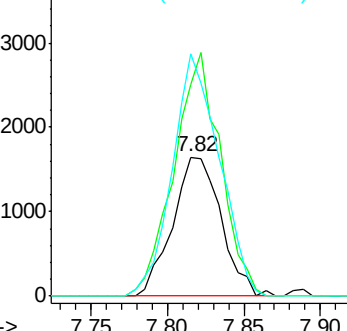
84 174.8 69.7 104.5#

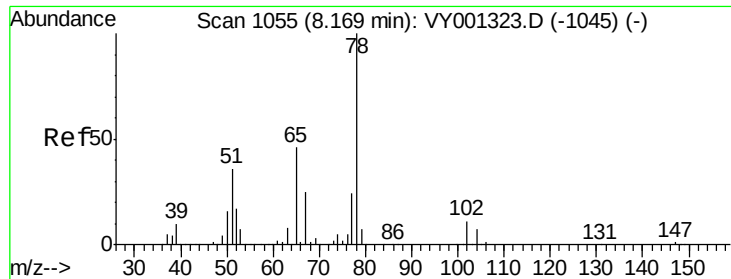


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

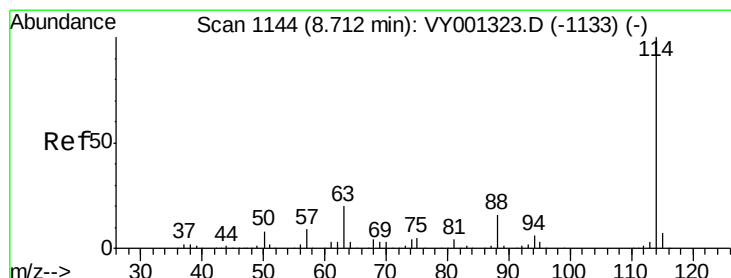
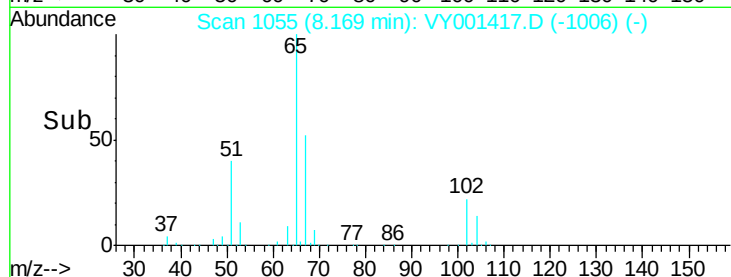
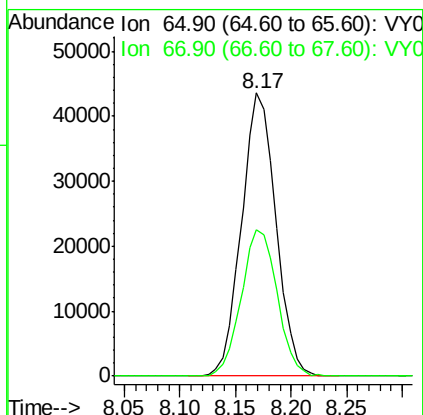
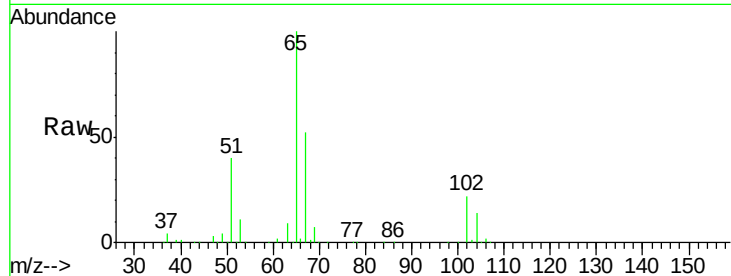




#33
 1,2-Dichloroethane-d4
 Concen: 52.86 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001417.D
 Acq: 29 Jan 2020 12:42

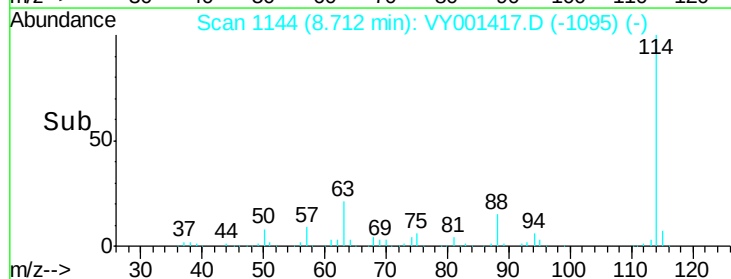
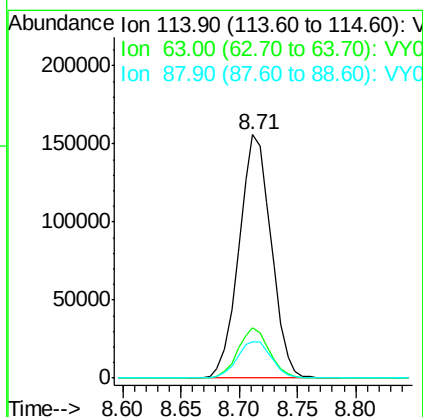
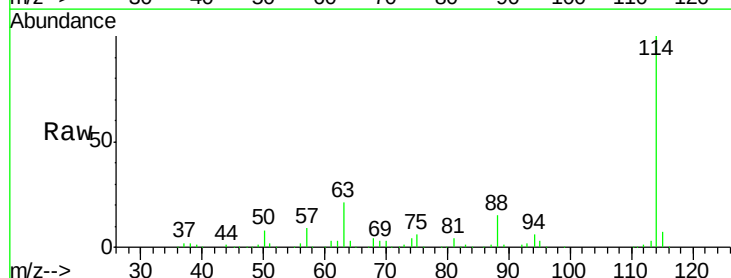
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-05-012820

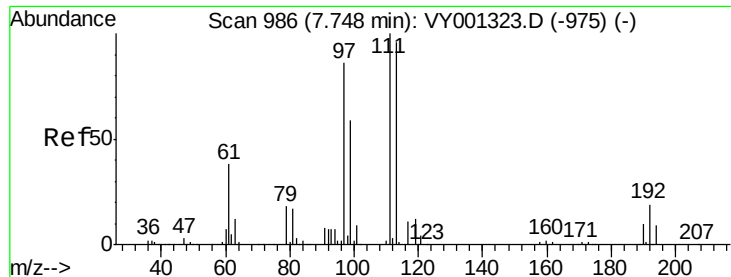
Tgt Ion: 65 Resp: 93587
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001417.D
 Acq: 29 Jan 2020 12:42

Tgt Ion: 114 Resp: 300666
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.0 0.0 31.0

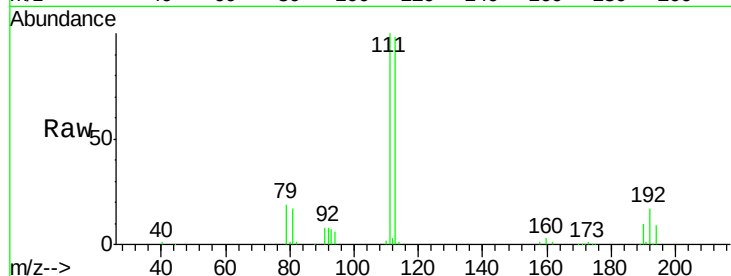




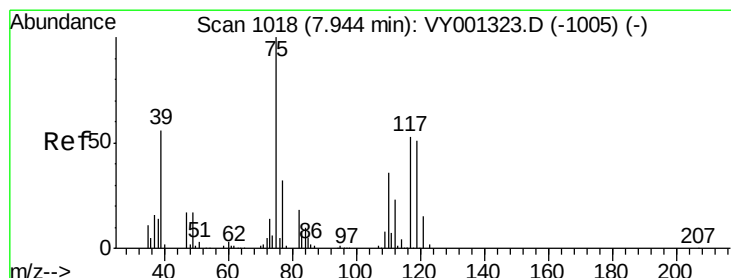
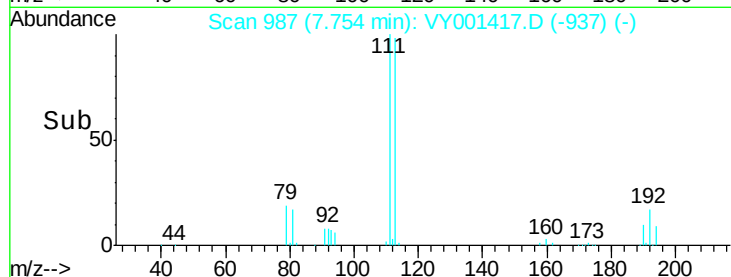
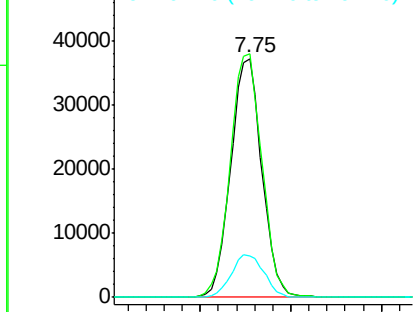
#35
 Dibromofluoromethane
 Concen: 50.15 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001417.D
 Acq: 29 Jan 2020 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-05-012820

Tgt Ion: 113 Resp: 88490
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.8 124.2
 192 18.7 15.5 23.3

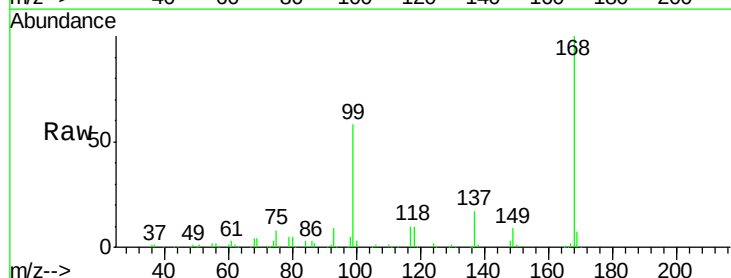


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

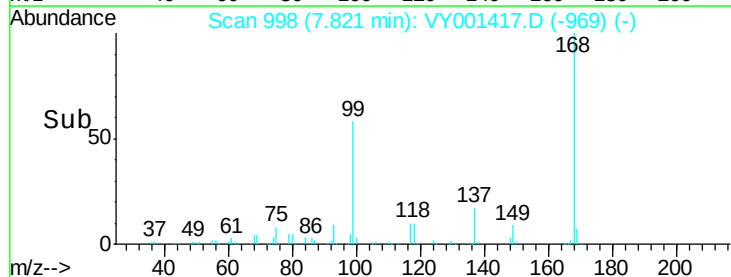
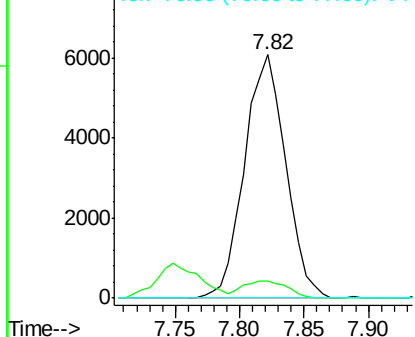


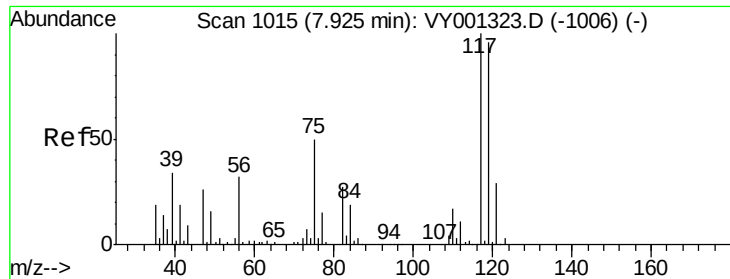
#36
 1,1-Dichloropropene
 Concen: 4.73 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001417.D
 Acq: 29 Jan 2020 12:42

Tgt Ion: 75 Resp: 13427
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.6 52.8#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.32 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

PL-05-012820

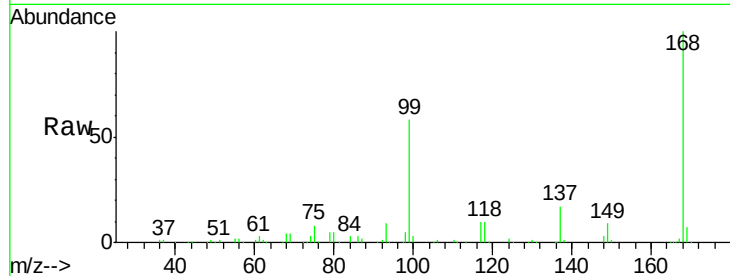
Tgt Ion:117 Resp: 16003

Ion Ratio Lower Upper

117 100

119 3.9 76.3 114.5#

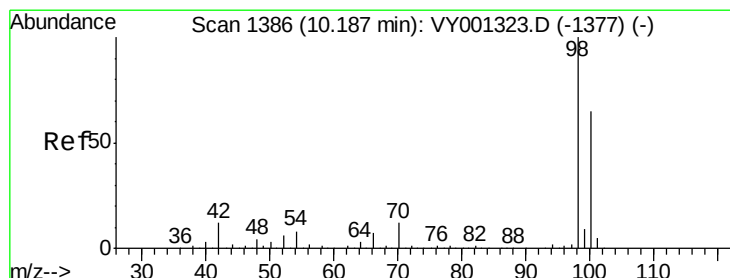
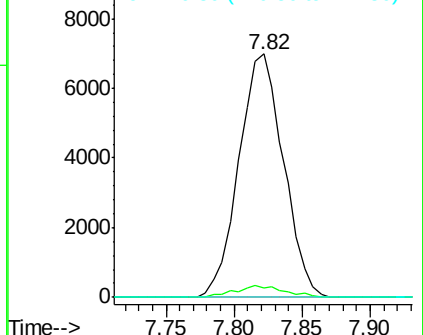
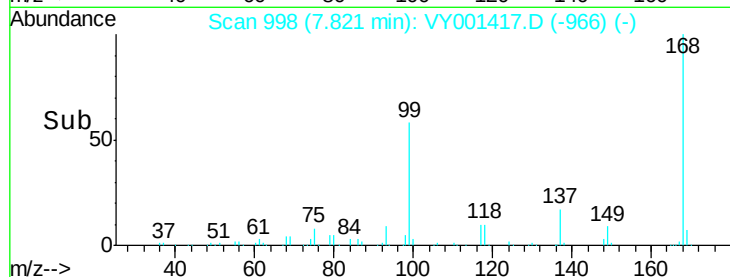
121 0.0 23.5 35.3#



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: 52.38 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001417.D

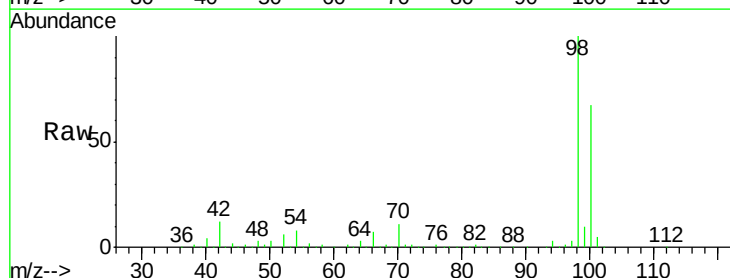
Acq: 29 Jan 2020 12:42

Tgt Ion: 98 Resp: 359113

Ion Ratio Lower Upper

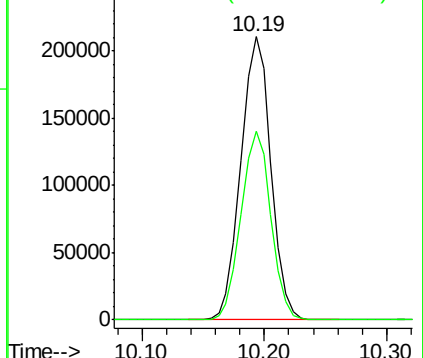
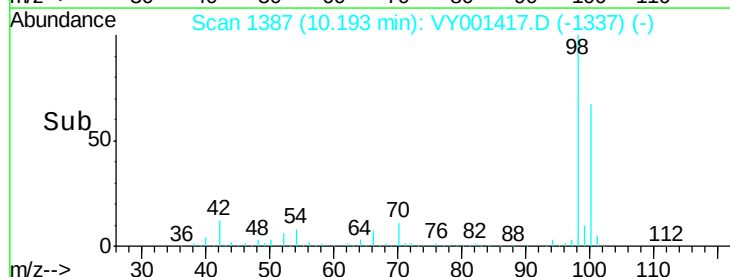
98 100

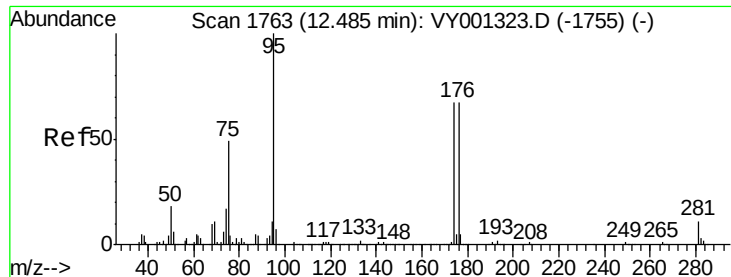
100 66.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

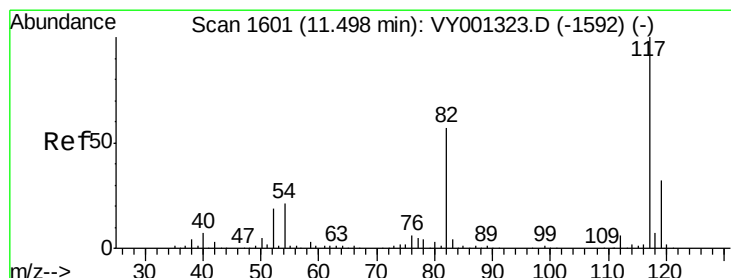
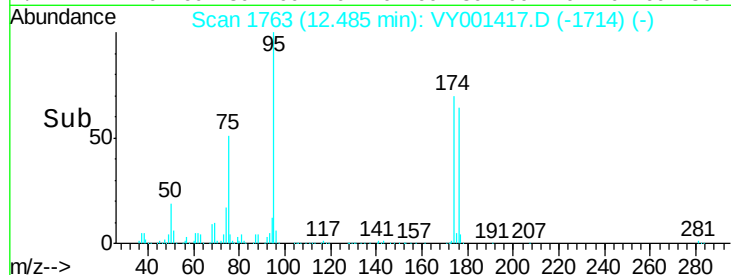
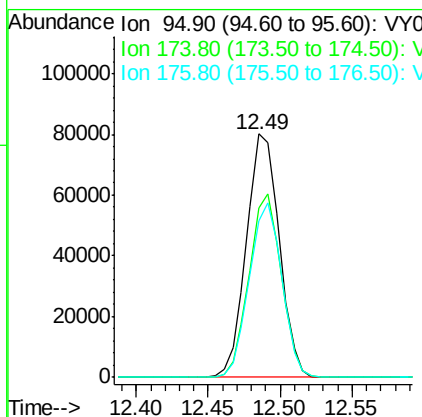
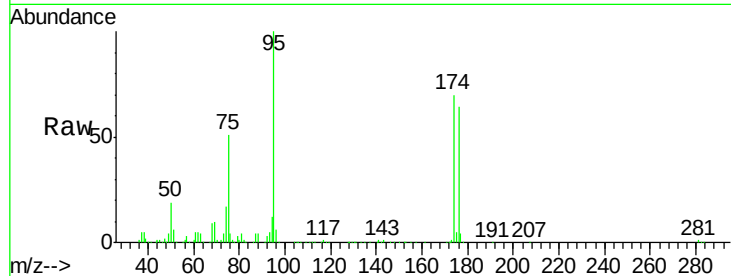




#62
4-Bromofluorobenzene
Concen: 46.29 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY001417.D
Acq: 29 Jan 2020 12:42

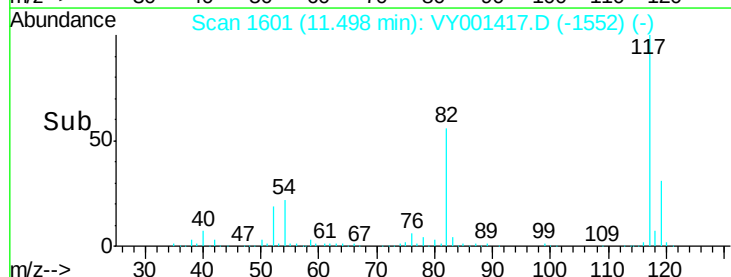
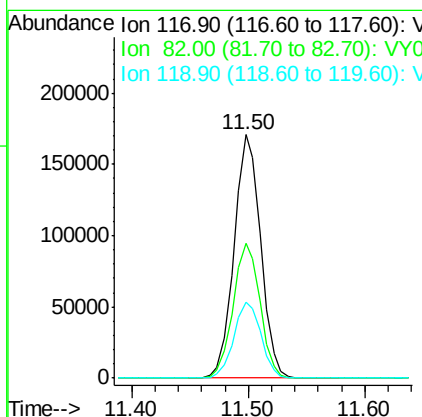
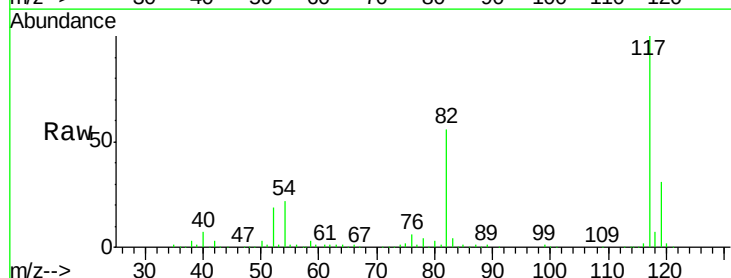
Instrument :
MSVOA_Y
ClientSampleId :
PL-05-012820

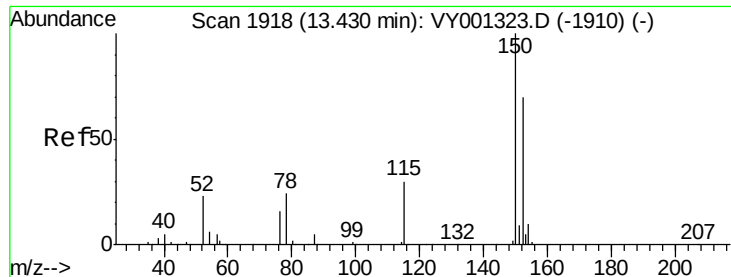
Tgt Ion: 95 Resp: 126378
Ion Ratio Lower Upper
95 100
174 73.8 0.0 142.0
176 70.8 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001417.D
Acq: 29 Jan 2020 12:42

Tgt Ion: 117 Resp: 270882
Ion Ratio Lower Upper
117 100
82 55.5 45.5 68.3
119 31.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

PL-05-012820

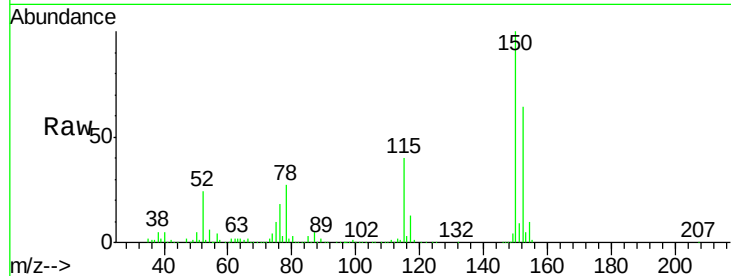
Tgt Ion:152 Resp: 116702

Ion Ratio Lower Upper

152 100

115 60.9 30.9 92.8

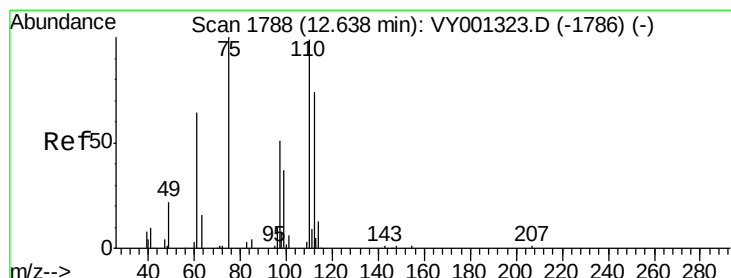
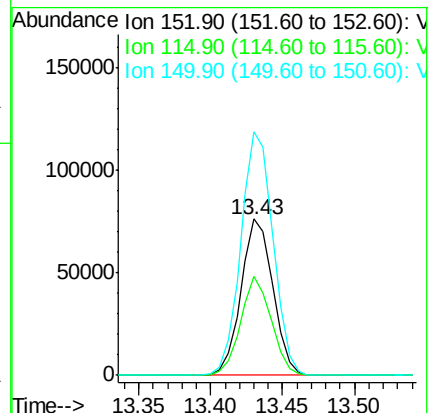
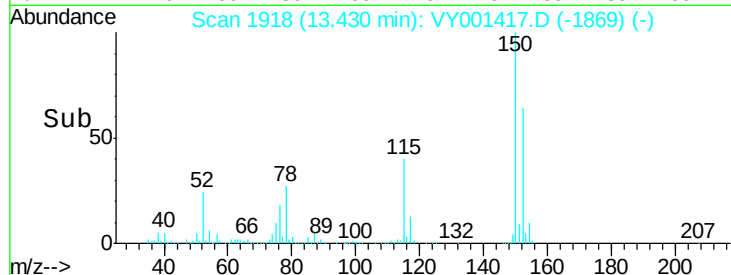
150 157.8 0.0 349.2



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: 44.99 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001417.D

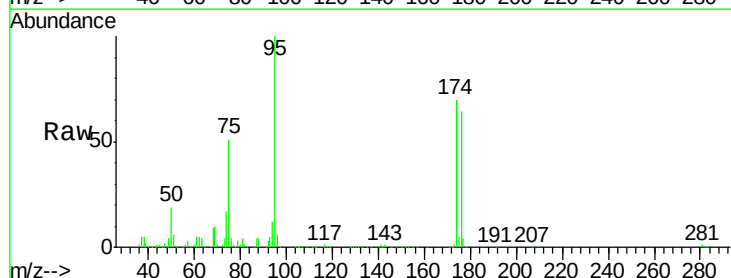
Acq: 29 Jan 2020 12:42

Tgt Ion: 75 Resp: 63262

Ion Ratio Lower Upper

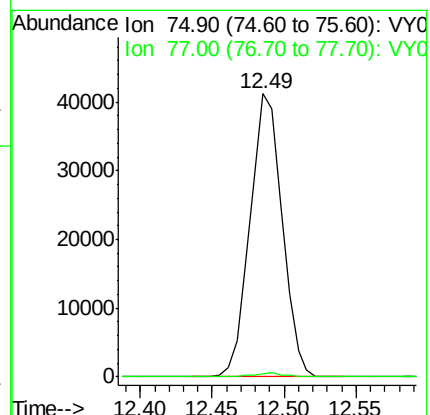
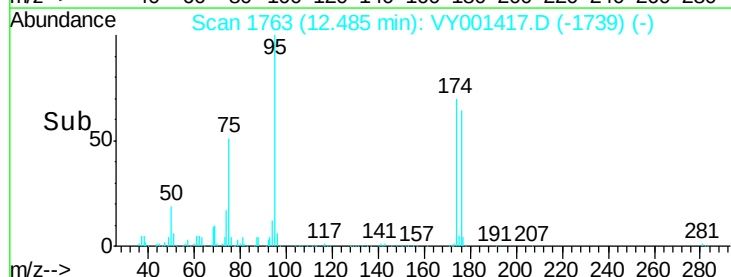
75 100

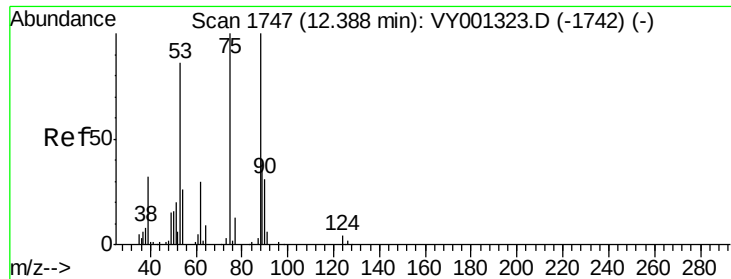
77 1.2 0.0 0.0#



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: 85.13 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

PL-05-012820

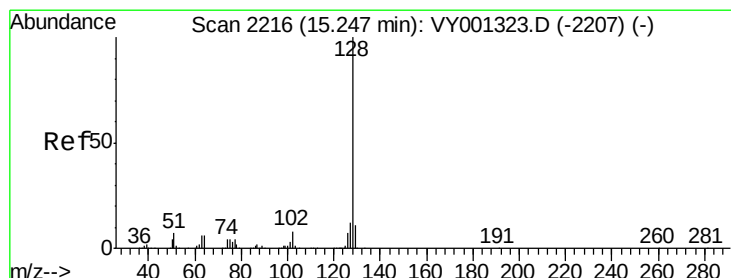
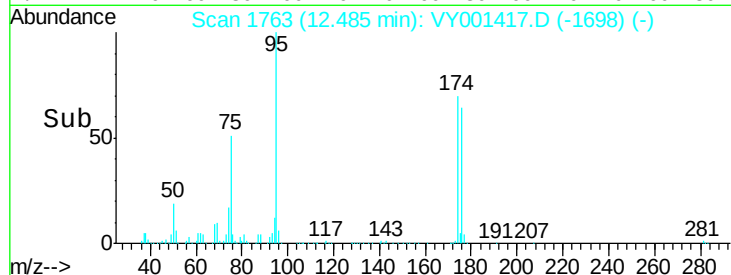
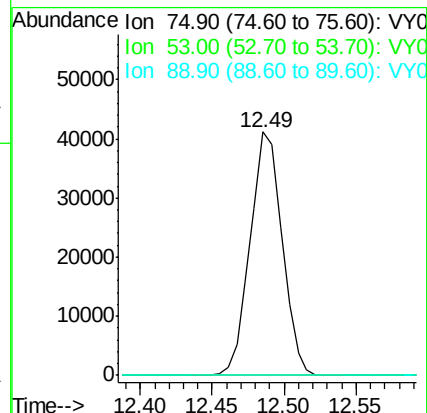
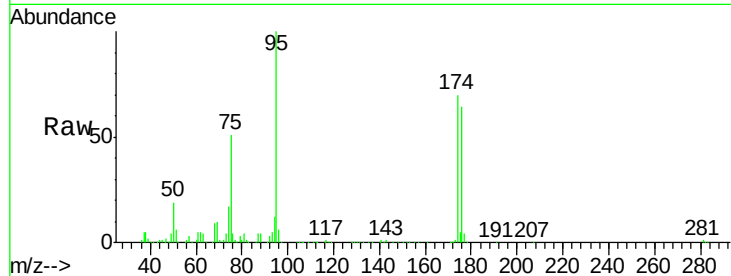
Tgt Ion: 75 Resp: 63262

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 1.12 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001417.D

Acq: 29 Jan 2020 12:42

Tgt Ion: 128 Resp: 6246

Ion Ratio Lower Upper

128 100

127 14.6 10.2 15.2

129 13.4 8.7 13.1#

