

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001589.D
 Acq On : 10 Feb 2020 17:20
 Operator : SY/MD
 Sample : L1367-01
 Misc : 7.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 05:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	164462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	288327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	199380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	46395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	90633	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	7.75	113	83515	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.19	98	320735	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.49	95	68877	27.79	ug/l	0.00
Spiked Amount			Recovery	=	55.58%	

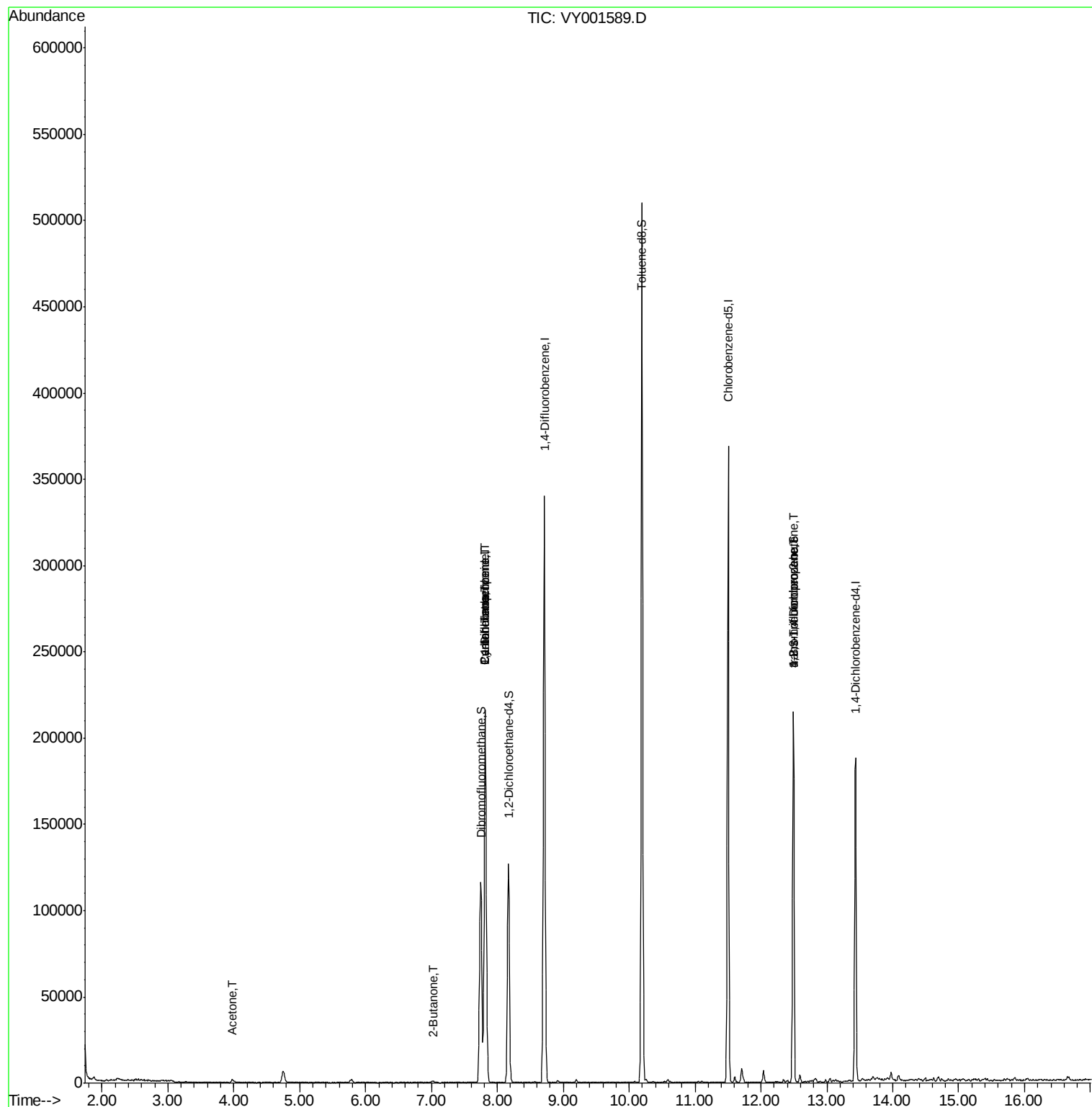
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	31	Below Cal	#	76
16) Acetone	3.97	43	3166	6.610	ug/l	91
20) Methylene Chloride	4.75	84	5067	Below Cal	#	85
25) 2-Butanone	7.03	43	660	1.062	ug/l	# 45
31) Cyclohexane	7.82	56	3811	1.182	ug/l	# 1
36) 1,1-Dichloropropene	7.82	75	13125	4.976	ug/l	# 49
38) Carbon Tetrachloride	7.82	117	15857	6.214	ug/l	# 15
76) 1,2,3-Trichloropropane	12.49	75	34522	69.192	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	34522	133.883	ug/l	# 16

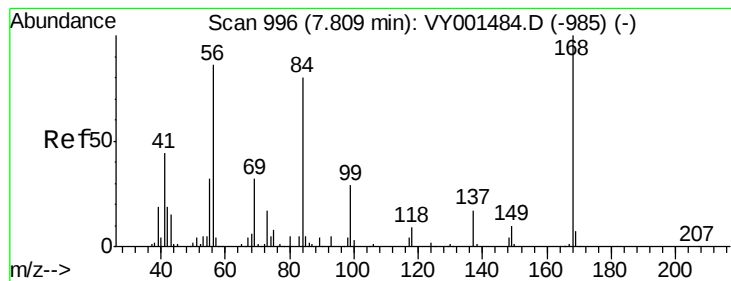
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 04 15:10:08 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: VY001589.D

Acq: 10 Feb 2020 17:20

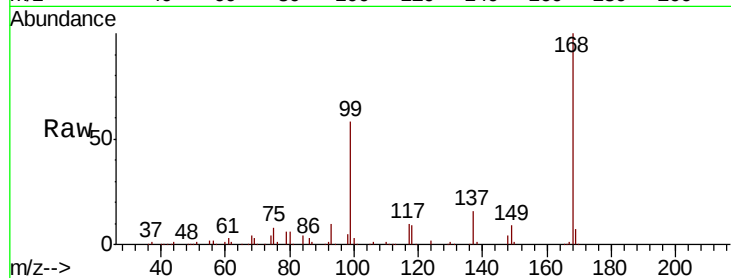
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 164462

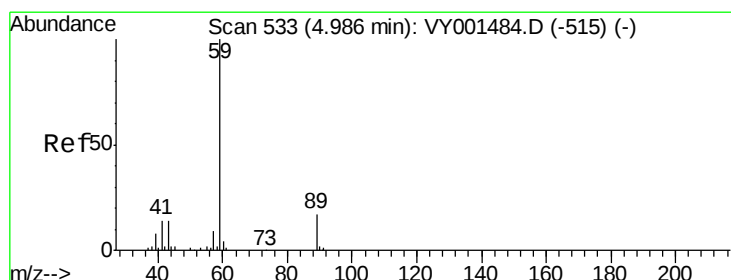
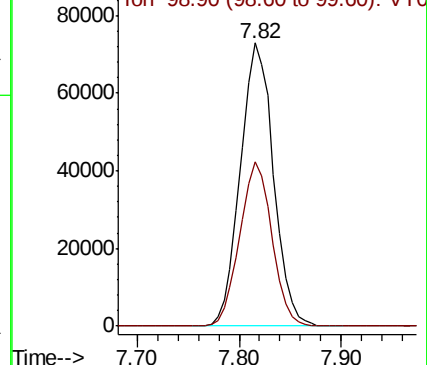
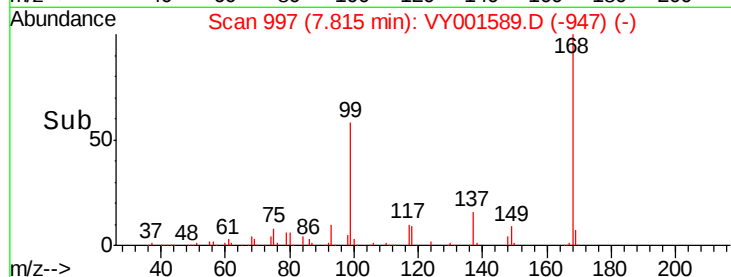
Ion Ratio Lower Upper

168 100

99 58.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001589.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY001589.D

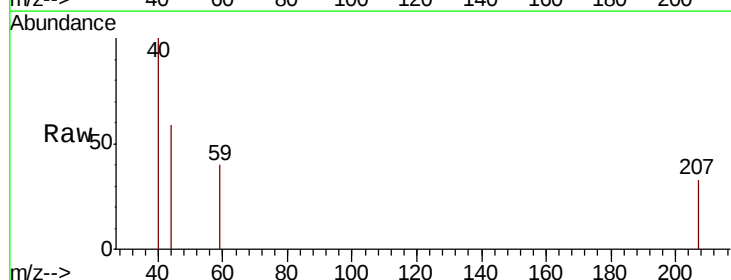
Acq: 10 Feb 2020 17:20

Tgt Ion: 59 Resp: 31

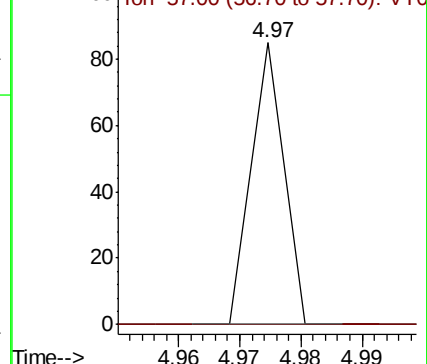
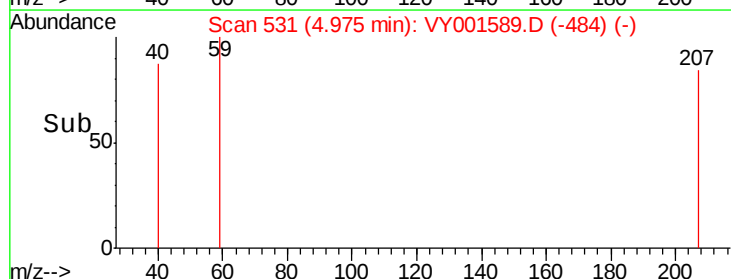
Ion Ratio Lower Upper

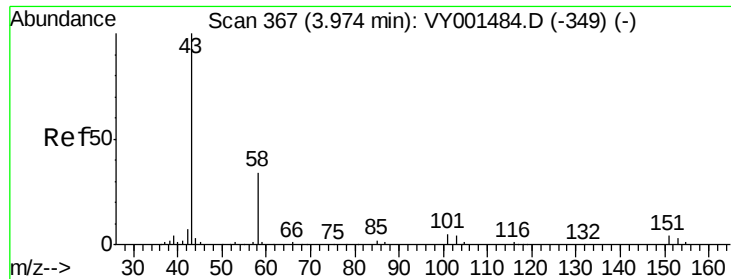
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001589.D (-484) (-)





#16

Acetone

Concen: 6.610 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

Instrument :

MSVOA_Y

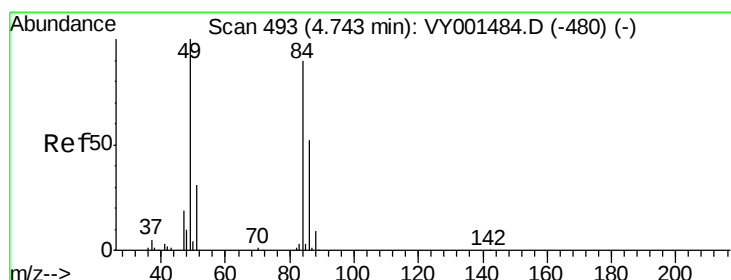
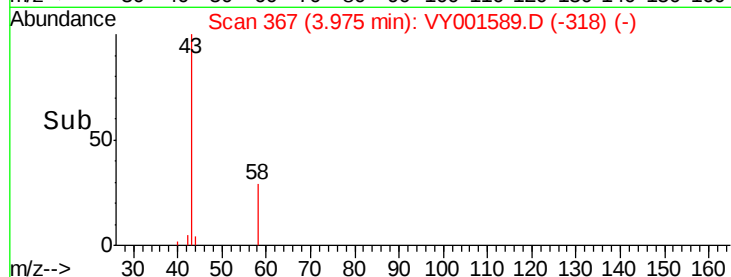
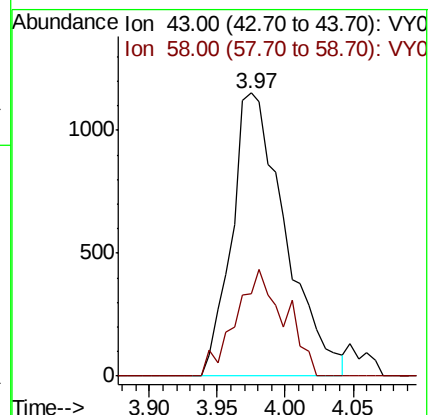
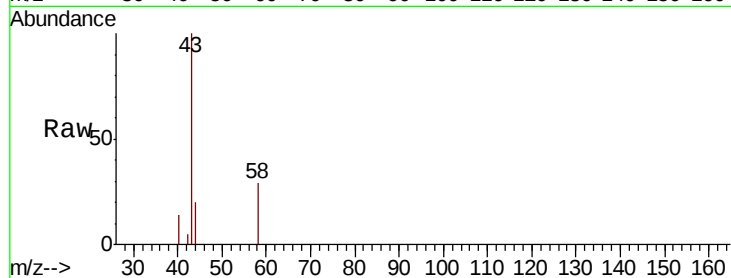
ClientSampled :

Tot Ion: 43 Resp: 3166

Ion Ratio Lower Upper

43 100

58 29.1 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

Tgt Ion: 84 Resp: 5067

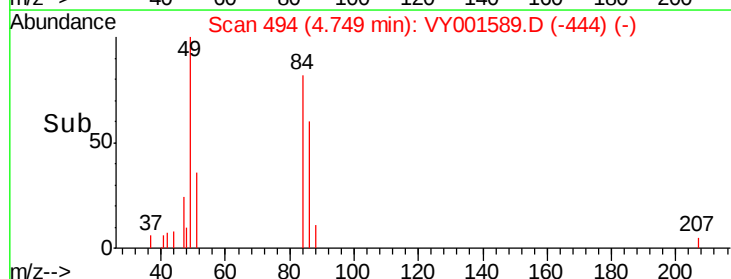
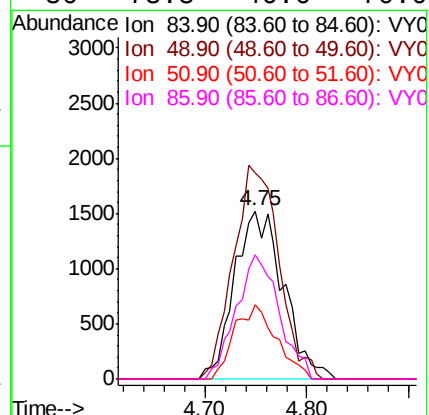
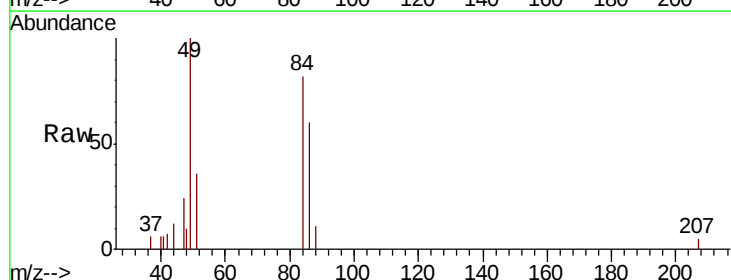
Ion Ratio Lower Upper

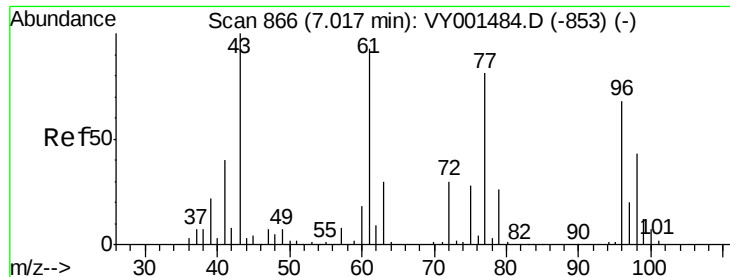
84 100

49 122.6 89.0 133.6

51 44.3 27.4 41.2#

86 73.8 46.6 70.0#





#25

2-Butanone

Concen: 1.062 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

Instrument :

MSVOA_Y

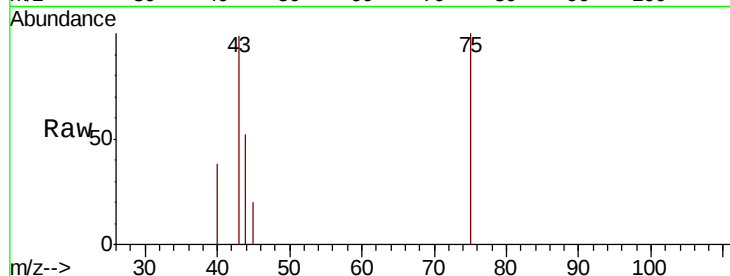
ClientSampleId :

Tot Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.03

300

200

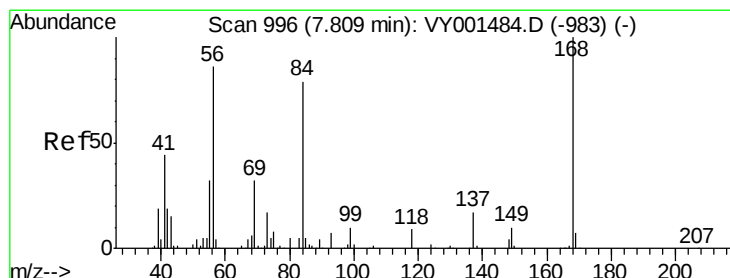
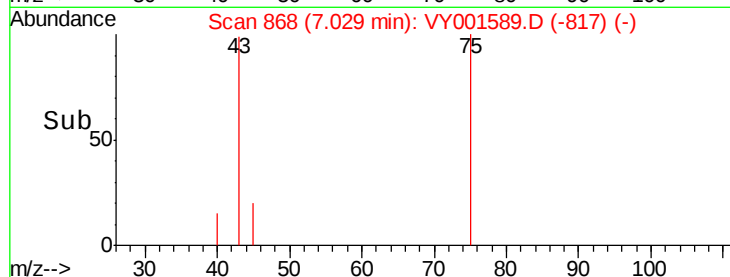
100

0

7.00

7.05

Time-->



#31

Cyclohexane

Concen: 1.182 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

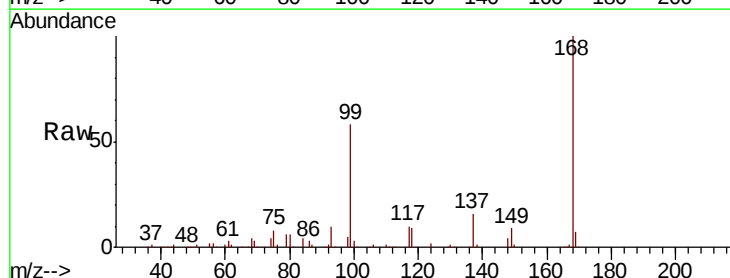
Tgt Ion: 56 Resp: 3811

Ion Ratio Lower Upper

56 100

69 156.4 29.6 44.4#

84 169.6 73.6 110.4#



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

3000

2000

1000

0

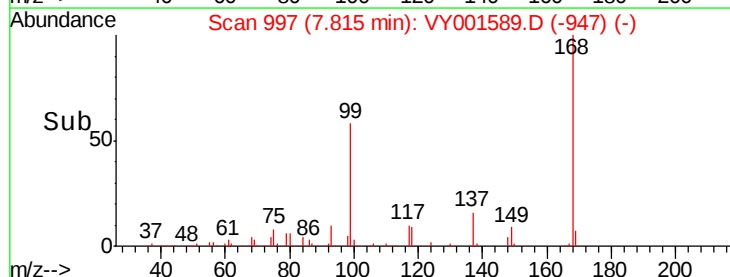
7.75

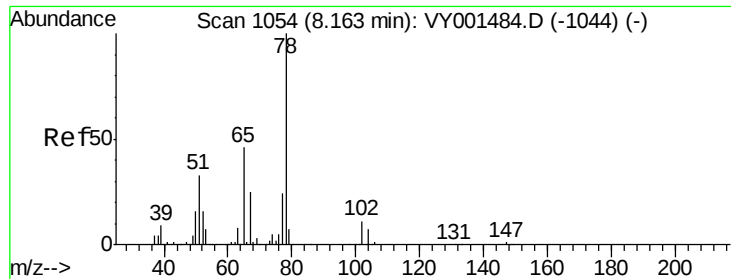
7.80

7.85

7.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.734 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

Instrument :

MSVOA_Y

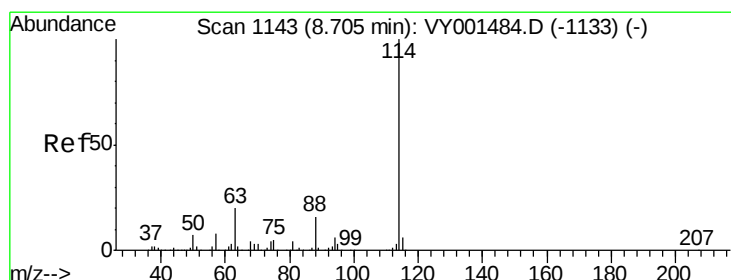
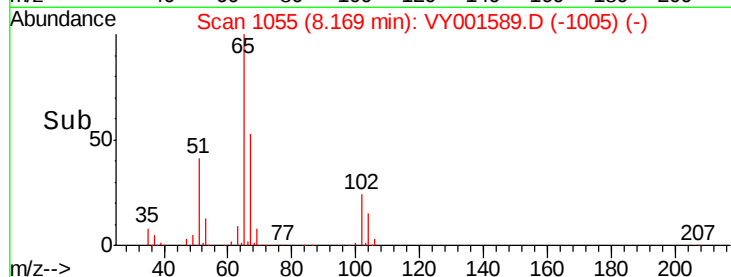
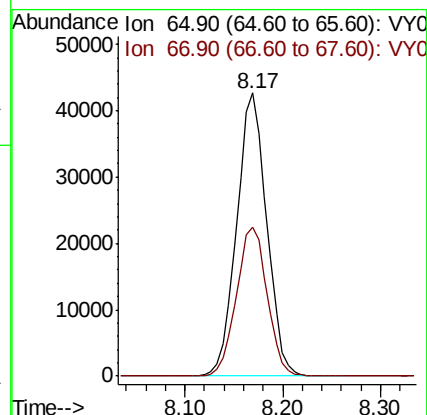
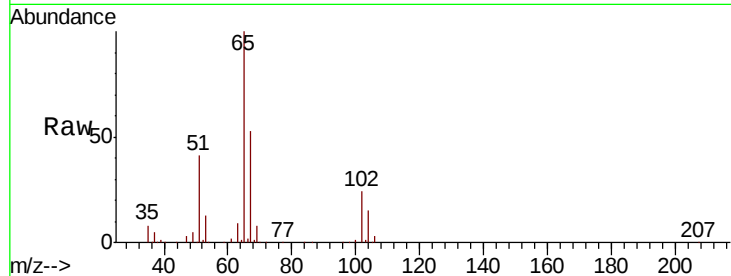
ClientSampleId :

Tot Ion: 65 Resp: 90633

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

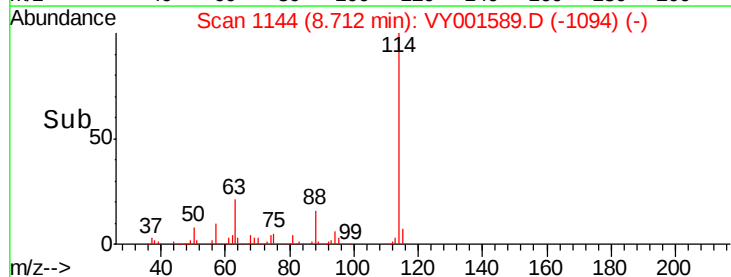
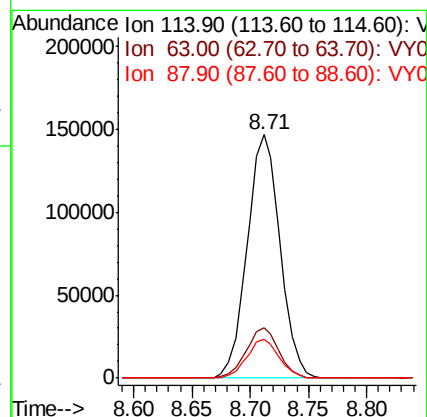
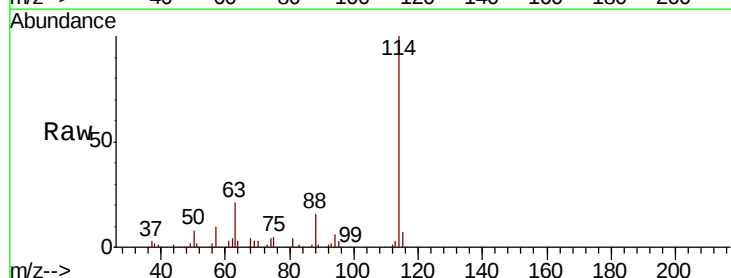
Tgt Ion: 114 Resp: 288327

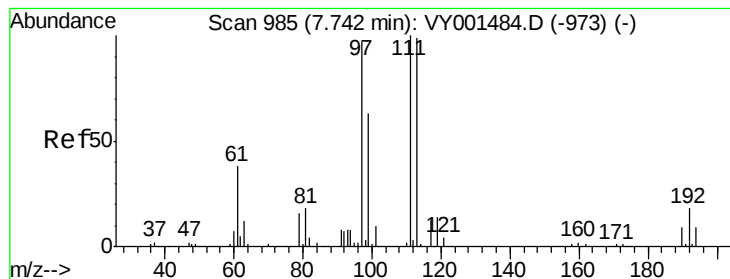
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.8

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.231 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

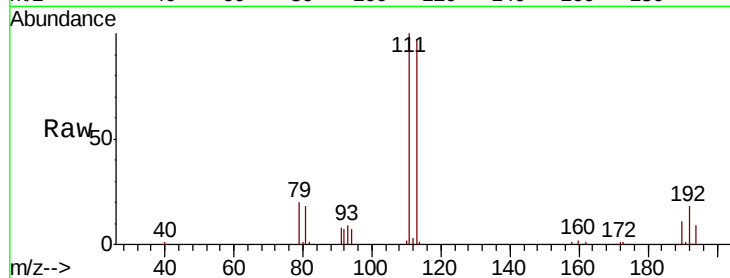
Tot Ion:113 Resp: 83515

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

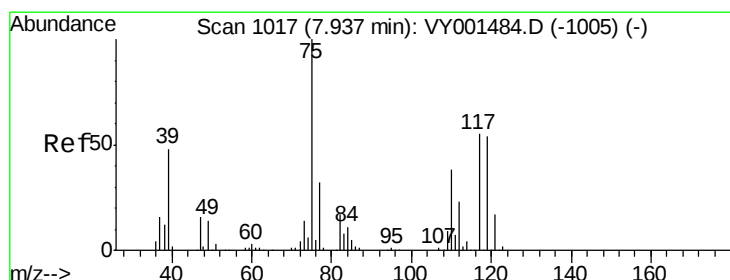
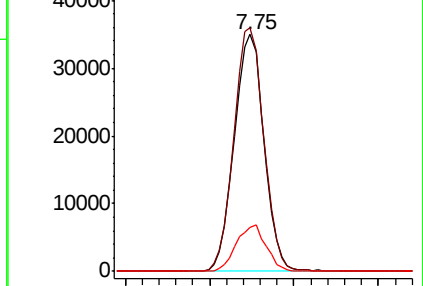
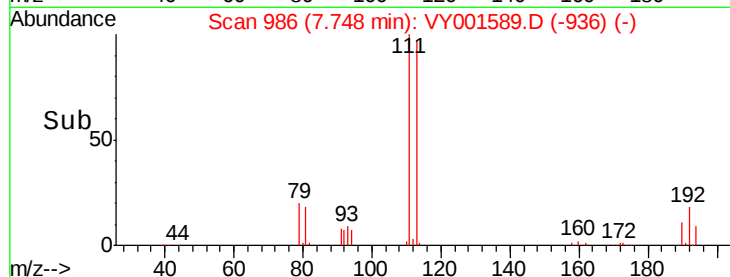
192 19.4 14.6 22.0



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: 4.976 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

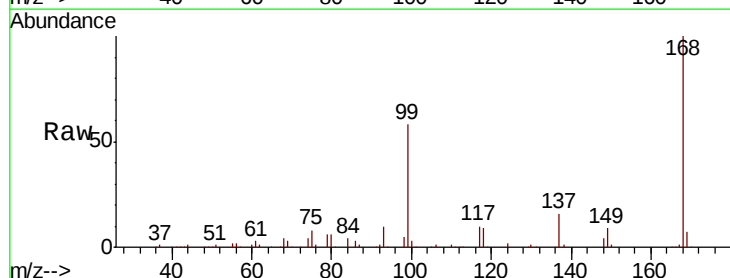
Tgt Ion: 75 Resp: 13125

Ion Ratio Lower Upper

75 100

110 9.6 18.2 54.6#

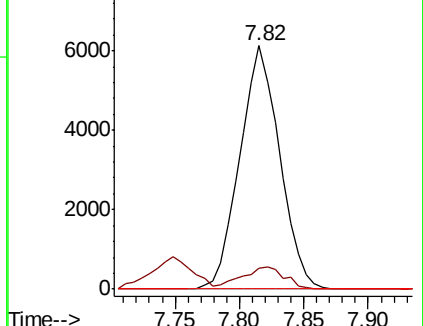
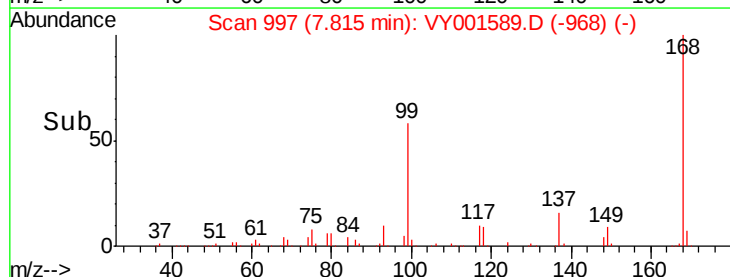
77 0.0 25.0 37.4#

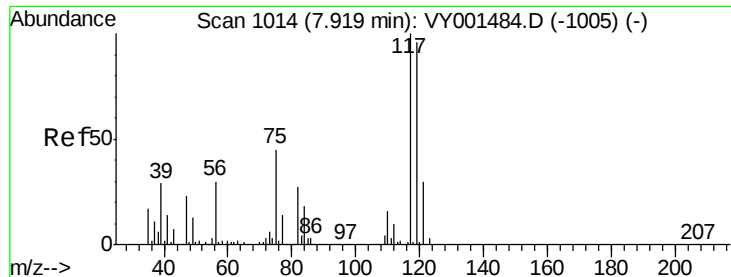


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

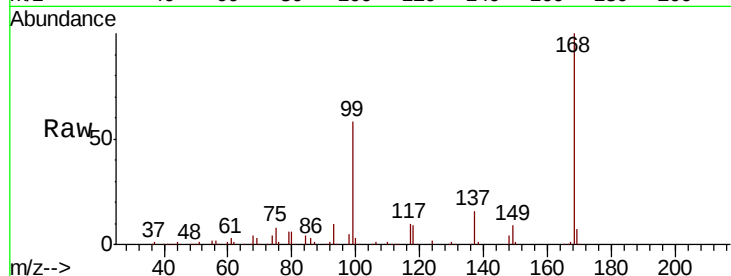




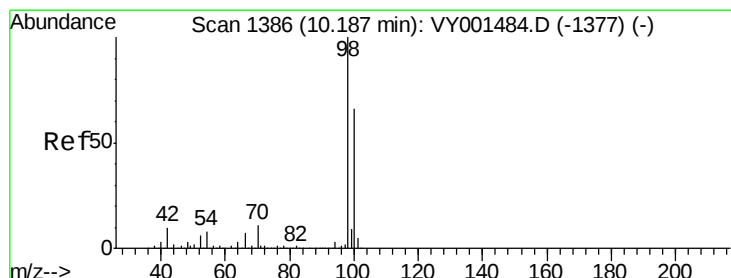
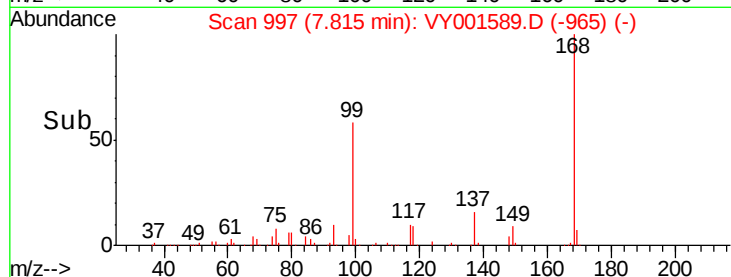
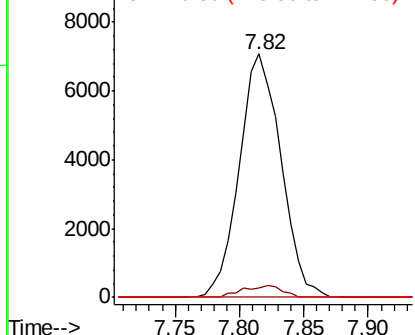
#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY001589.D
Acq: 10 Feb 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 15857
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 24.2 36.4#

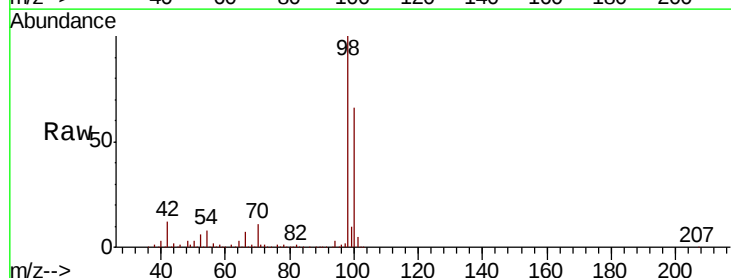


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

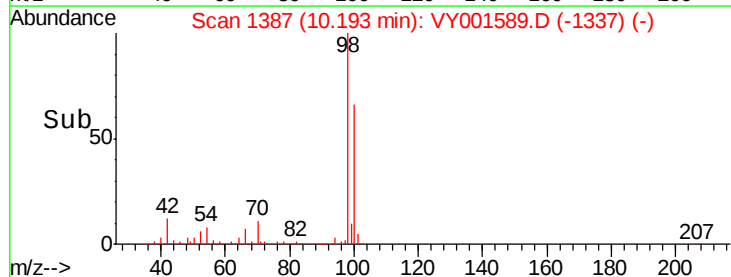
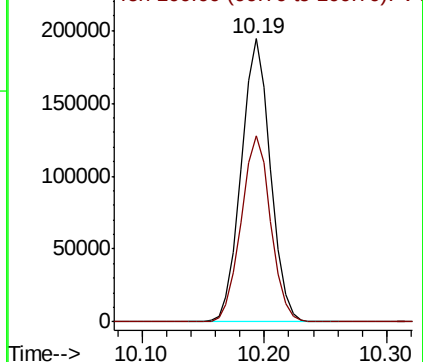


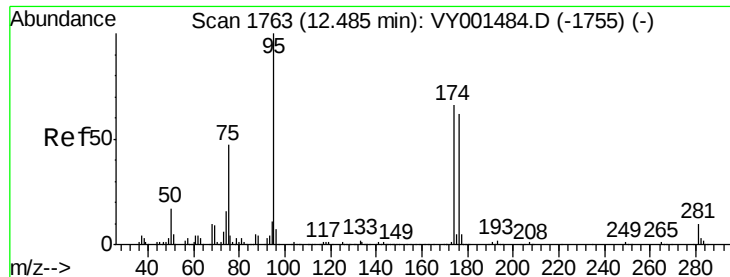
#50
Toluene-d8
Concen: 50.988 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001589.D
Acq: 10 Feb 2020 17:20

Tgt Ion: 98 Resp: 320735
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6



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

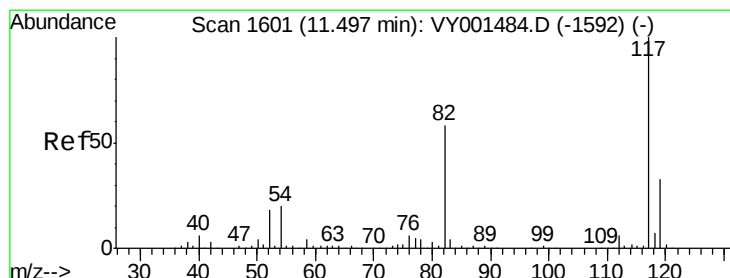
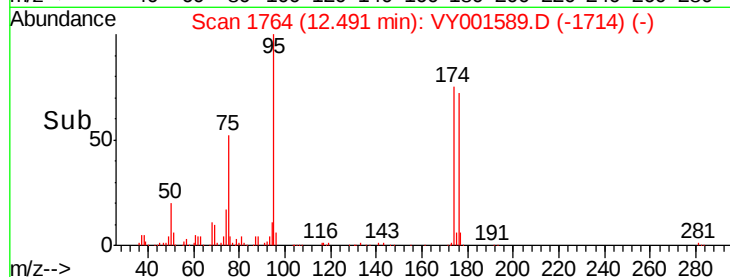
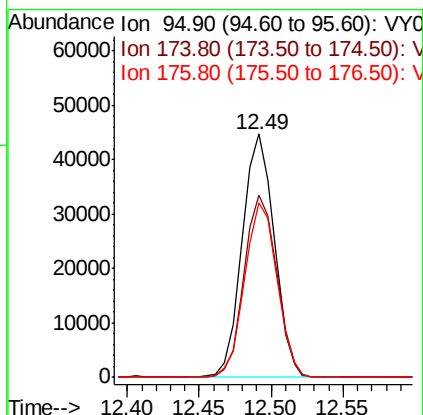
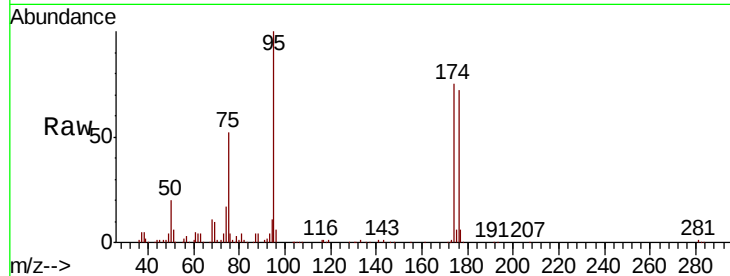




#62
4-Bromofluorobenzene
Concen: 27.794 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001589.D
Acq: 10 Feb 2020 17:20

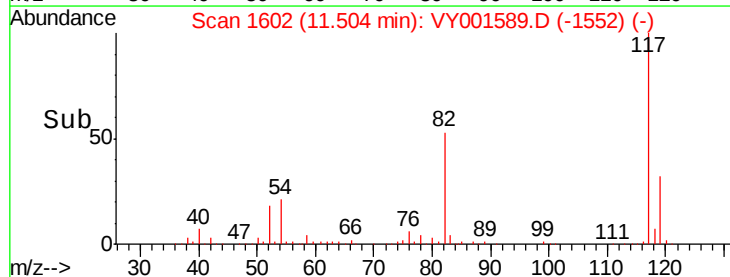
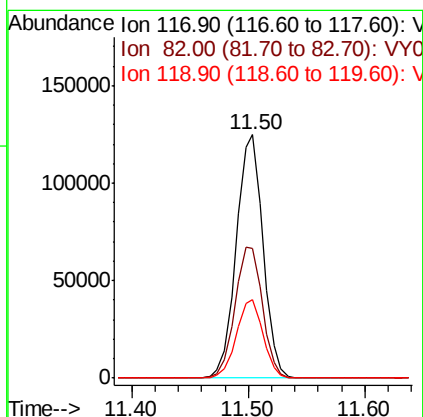
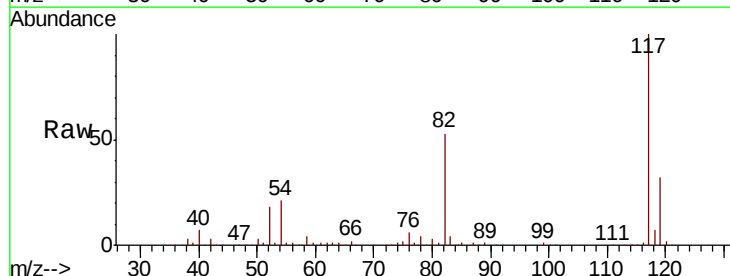
Instrument :
MSVOA_Y
ClientSampled :

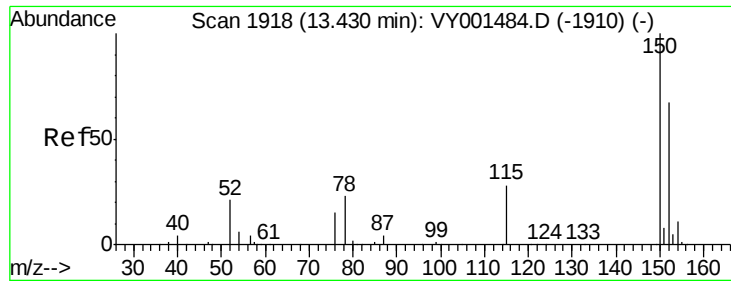
Tot Ion: 95 Resp: 68877
Ion Ratio Lower Upper
95 100
174 76.1 0.0 141.4
176 72.4 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001589.D
Acq: 10 Feb 2020 17:20

Tgt Ion: 117 Resp: 199380
Ion Ratio Lower Upper
117 100
82 53.3 46.1 69.1
119 32.4 26.1 39.1



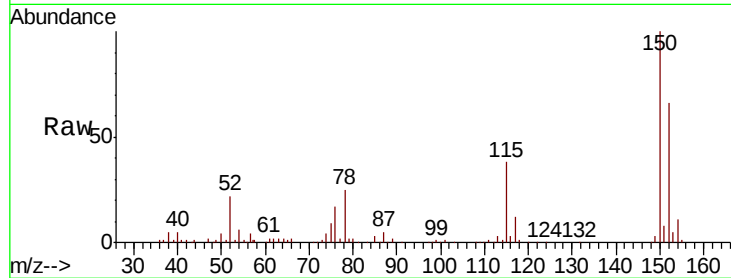


#72

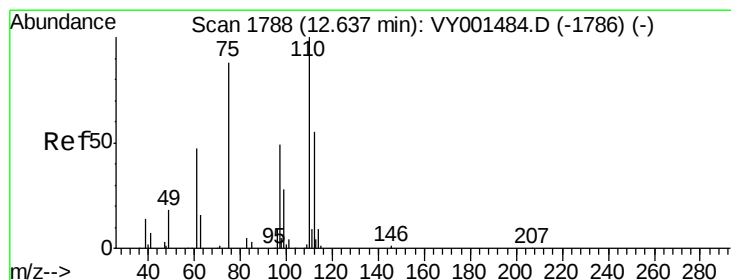
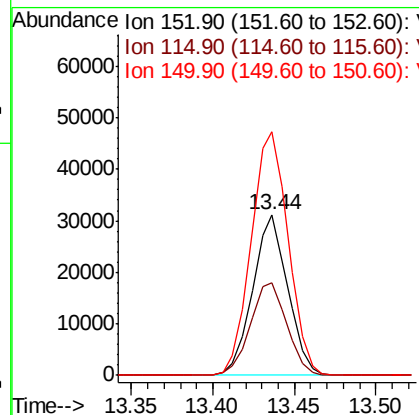
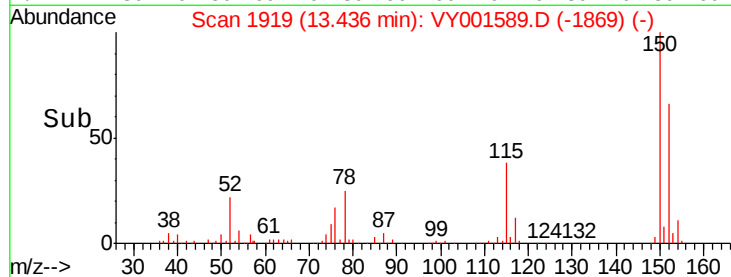
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001589.D
Acq: 10 Feb 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 46395
Ion Ratio Lower Upper
152 100
115 60.3 31.4 94.3
150 160.7 0.0 346.8



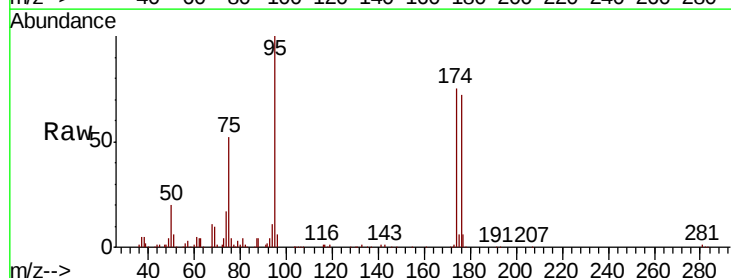
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



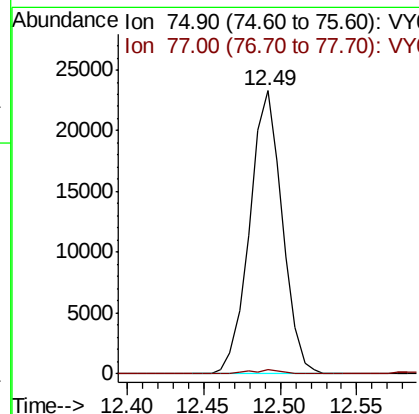
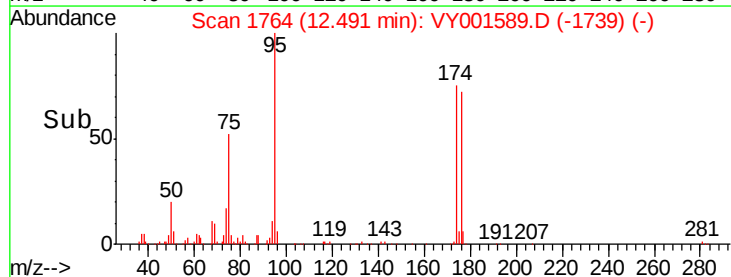
#76

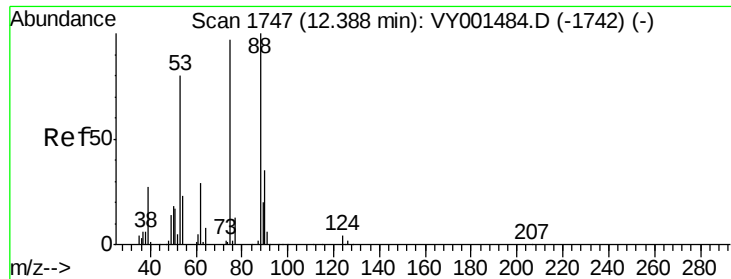
1,2,3-Trichloropropane
Concen: 69.192 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY001589.D
Acq: 10 Feb 2020 17:20

Tgt Ion: 75 Resp: 34522
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: 133.883 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001589.D

Acq: 10 Feb 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 34522

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

