

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001747.D
 Acq On : 21 Feb 2020 16:55
 Operator : SY/MD
 Sample : L1635-17
 Misc : 5.77G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:44:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	158520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	305637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	272877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117756	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	98793	57.94	ug/l	0.00
Spiked Amount			Recovery	=	115.88%	
35) Dibromofluoromethane	7.74	113	88402	50.50	ug/l	-0.01
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.19	98	367061	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	
62) 4-Bromofluorobenzene	12.49	95	122173	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

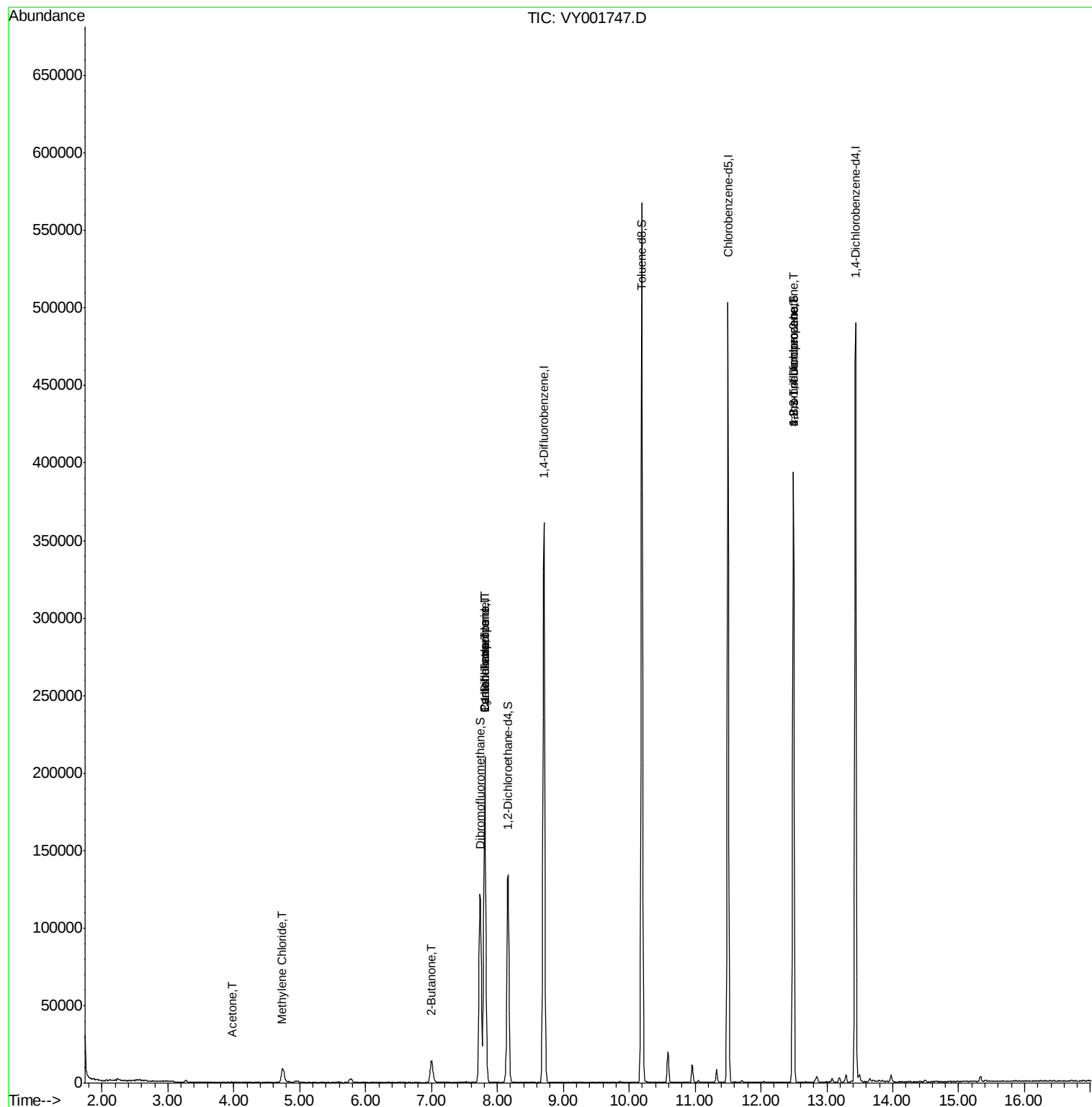
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	780	Below Cal	#	74
16) Acetone	3.97	43	979	1.659	ug/l #	69
20) Methylene Chloride	4.74	84	6609	3.154	ug/l #	82
25) 2-Butanone	6.99	43	1082	1.350	ug/l #	48
31) Cyclohexane	7.80	56	4057	1.133	ug/l #	22
36) 1,1-Dichloropropene	7.80	75	13237	4.534	ug/l #	50
38) Carbon Tetrachloride	7.81	117	16854	6.573	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	63677	47.140	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	63677	89.432	ug/l #	17

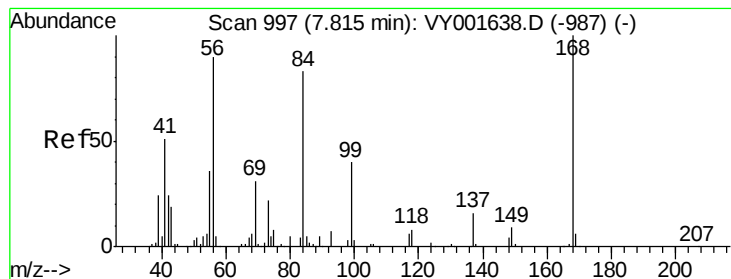
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001747.D

Acq: 21 Feb 2020 16:55

Instrument :

MSVOA_Y

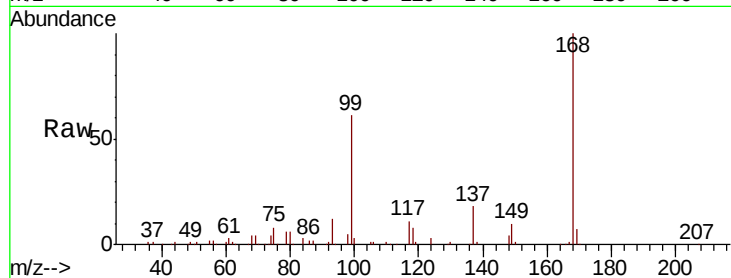
ClientSampleId :

Tot Ion:168 Resp: 158520

Ion Ratio Lower Upper

168 100

99 60.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

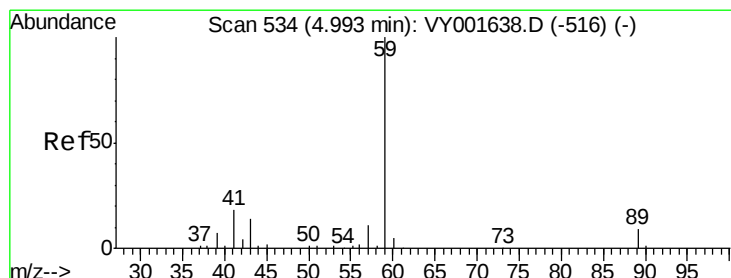
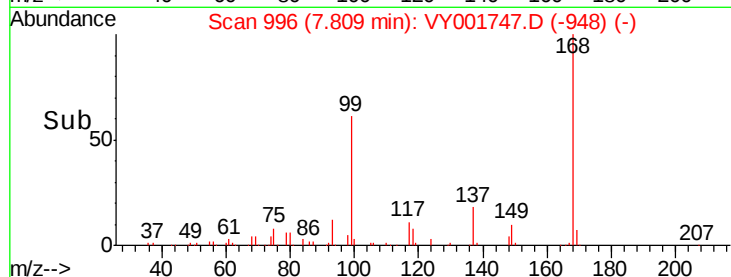
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.04 min

Lab File: VY001747.D

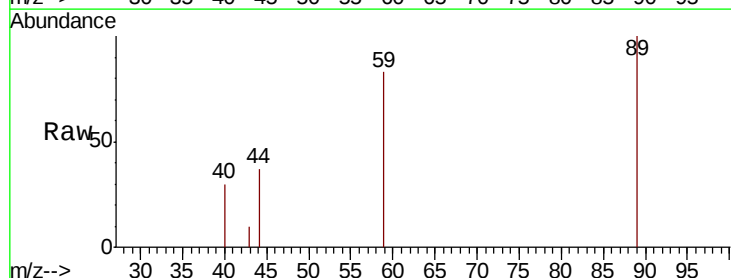
Acq: 21 Feb 2020 16:55

Tgt Ion: 59 Resp: 780

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)

4.96

500

400

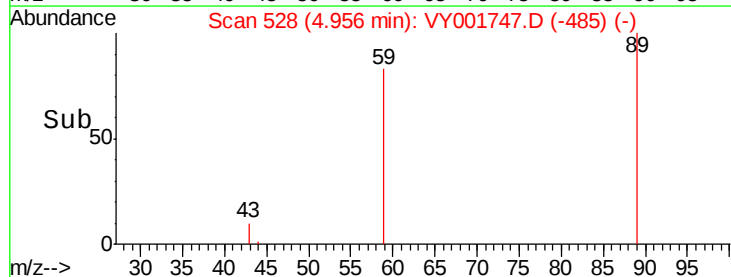
300

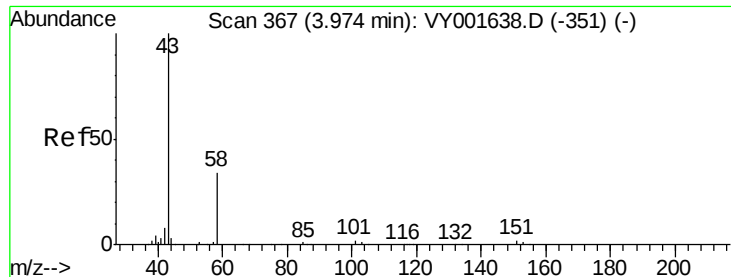
200

100

0

Time-->





#16

Acetone

Concen: 1.659 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001747.D

Acq: 21 Feb 2020 16:55

Instrument :

MSVOA_Y

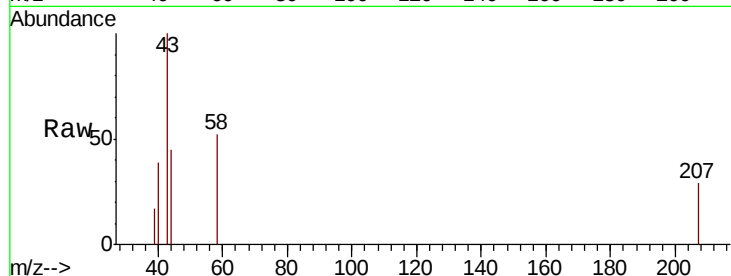
ClientSampleId :

Tot Ion: 43 Resp: 979

Ion Ratio Lower Upper

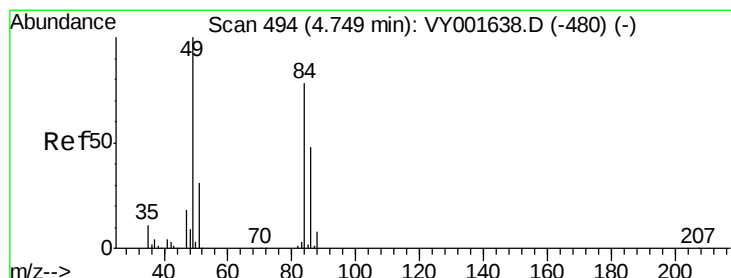
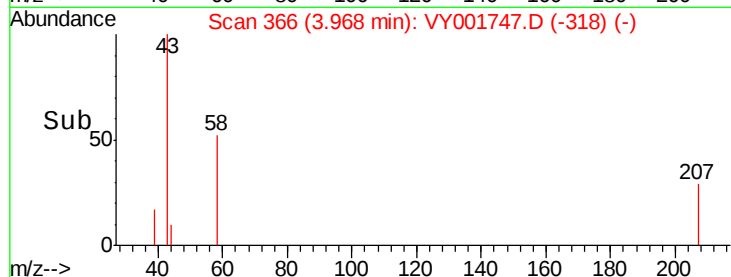
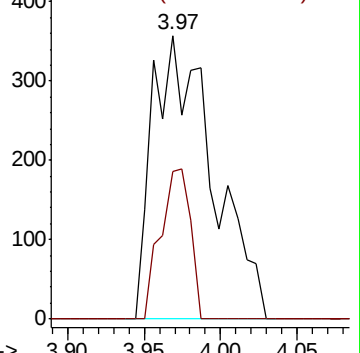
43 100

58 52.1 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.154 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001747.D

Acq: 21 Feb 2020 16:55

Tgt Ion: 84 Resp: 6609

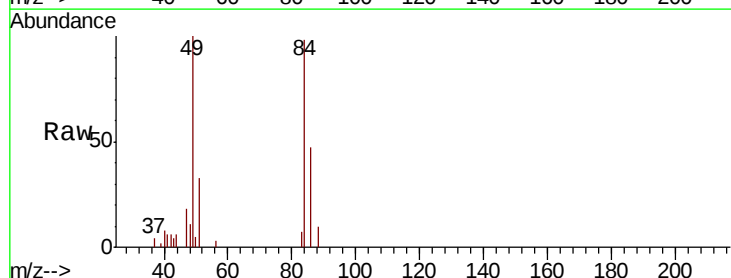
Ion Ratio Lower Upper

84 100

49 102.1 99.2 148.8

51 34.1 31.5 47.3

86 48.3 51.0 76.6#

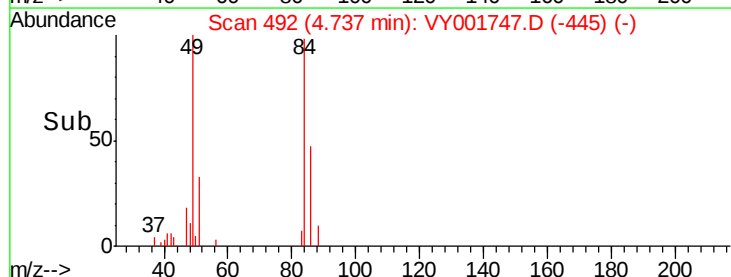
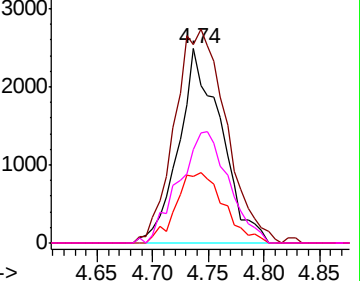


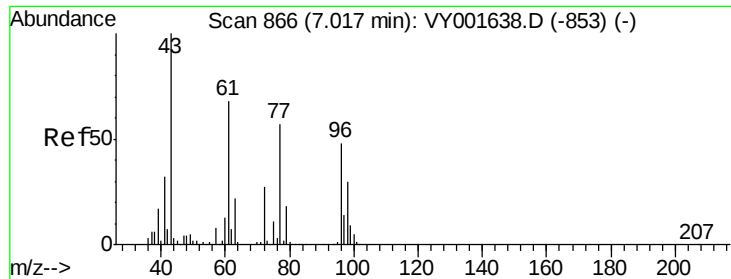
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.350 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY001747.D

Acq: 21 Feb 2020 16:55

Instrument :

MSVOA_Y

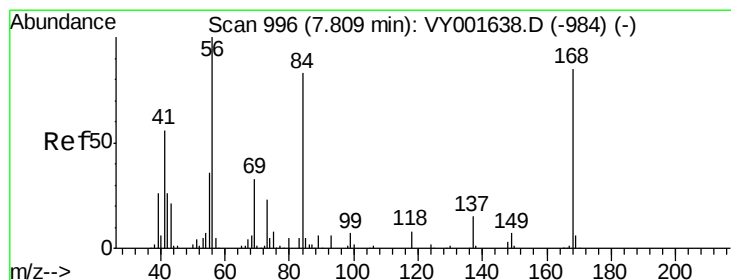
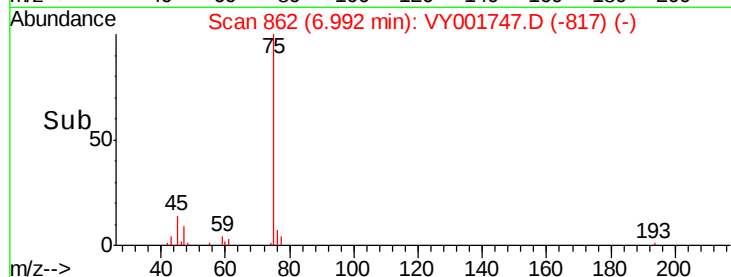
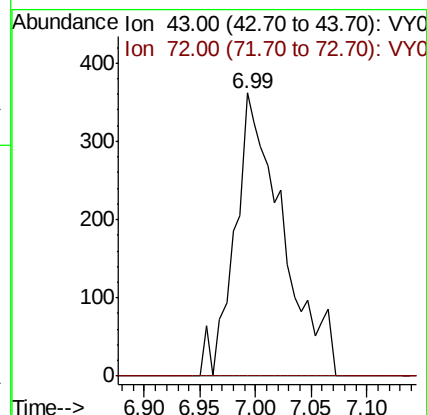
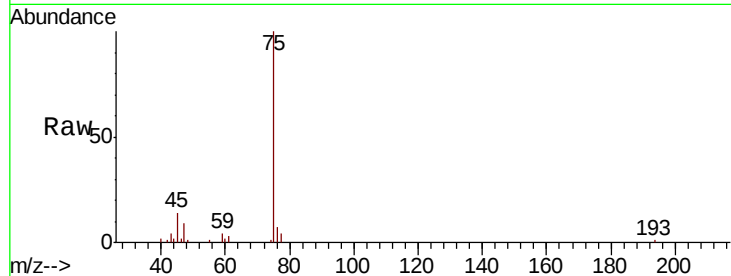
ClientSampleId :

Tot Ion: 43 Resp: 1082

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001747.D

Acq: 21 Feb 2020 16:55

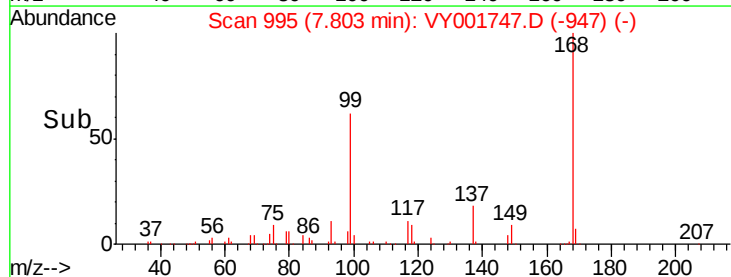
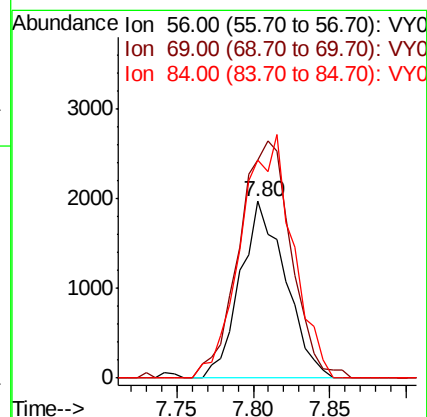
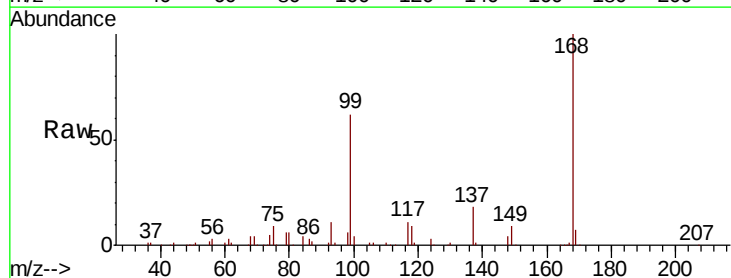
Tgt Ion: 56 Resp: 4057

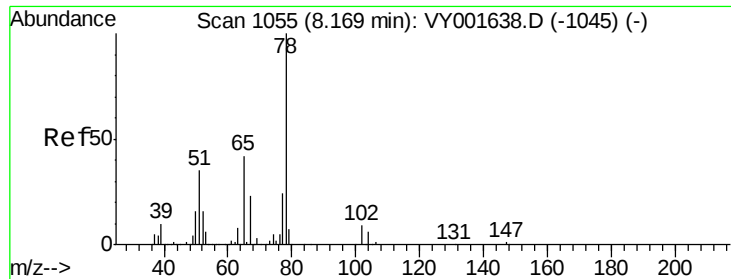
Ion Ratio Lower Upper

56 100

69 123.4 25.1 37.7#

84 123.5 66.9 100.3#

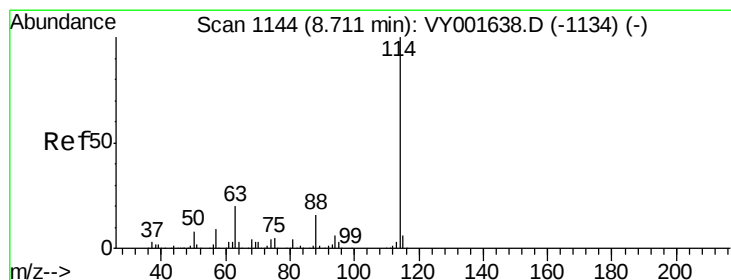
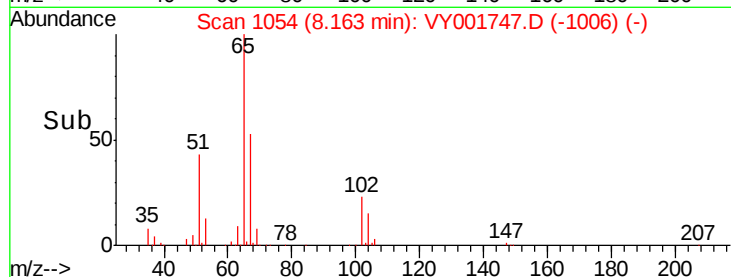
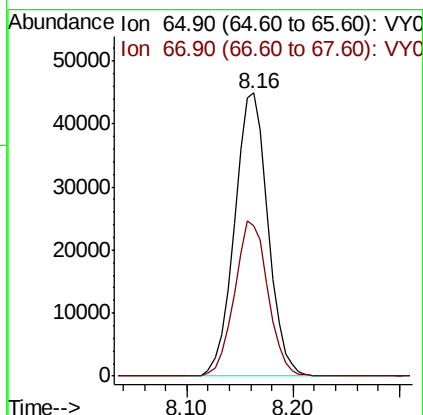
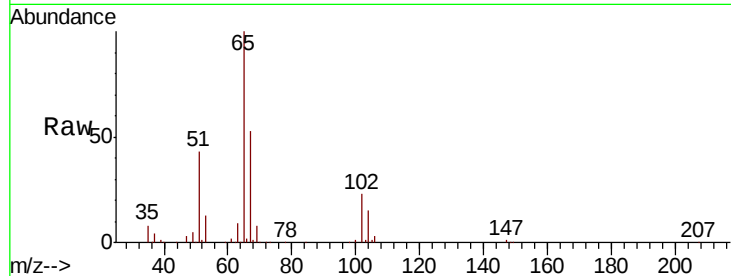




#33
 1,2-Dichloroethane-d4
 Concen: 57.939 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001747.D
 Acq: 21 Feb 2020 16:55

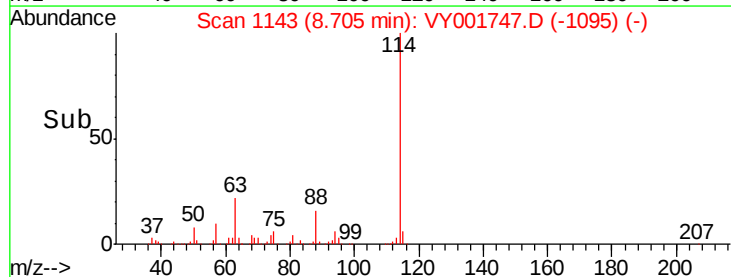
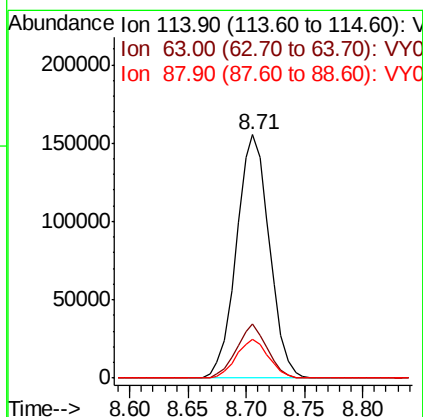
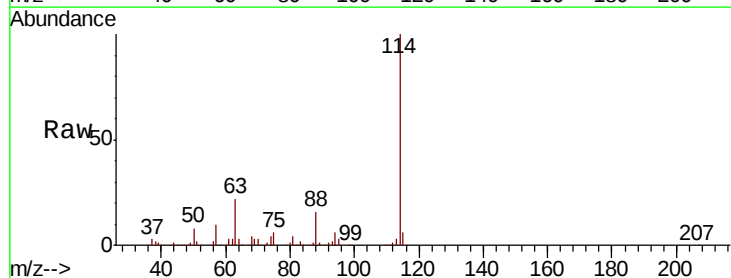
Instrument :
 MSVOA_Y
 ClientSampleId :

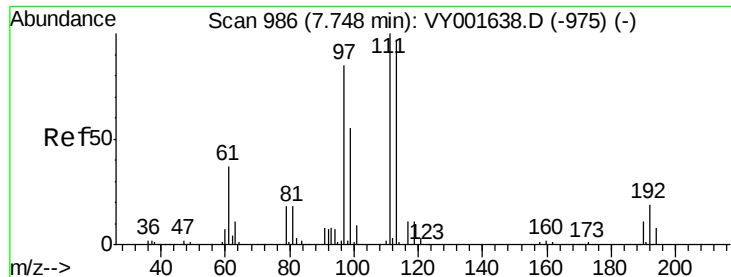
Tot Ion: 65 Resp: 98793
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001747.D
 Acq: 21 Feb 2020 16:55

Tgt Ion: 114 Resp: 305637
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.4
 88 16.1 0.0 32.8

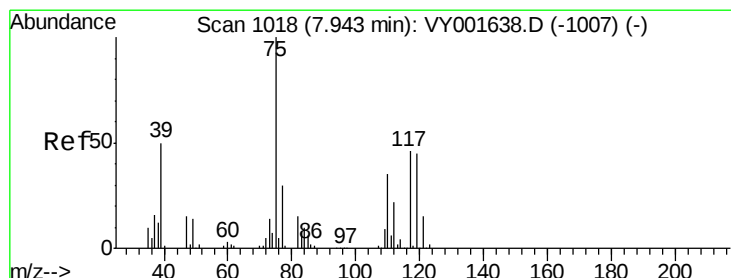
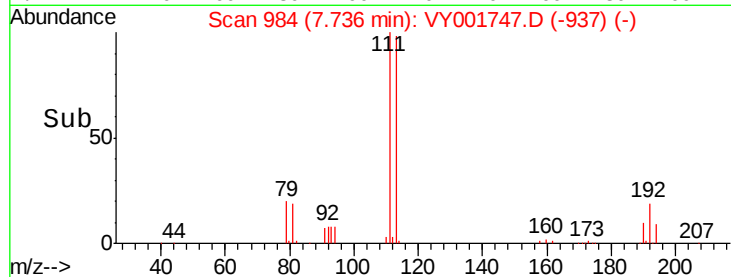
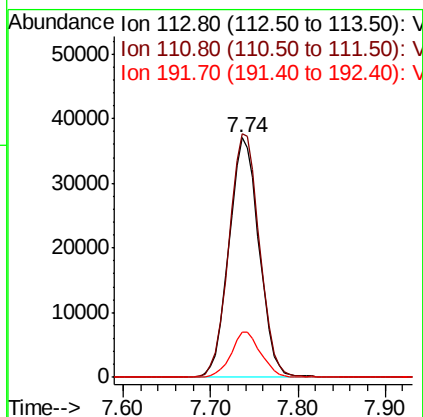
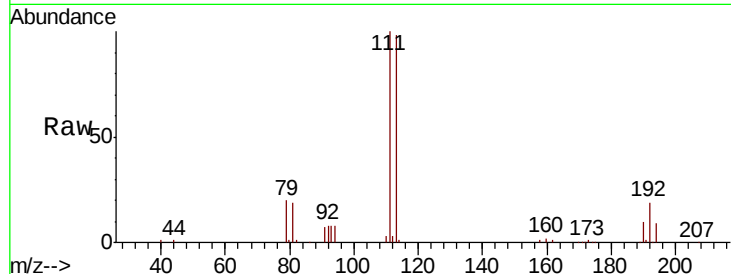




#35
 Dibromofluoromethane
 Concen: 50.499 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001747.D
 Acq: 21 Feb 2020 16:55

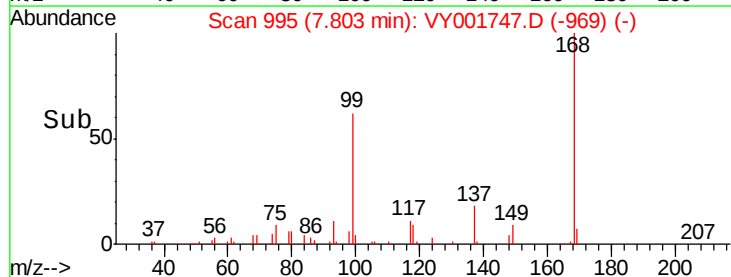
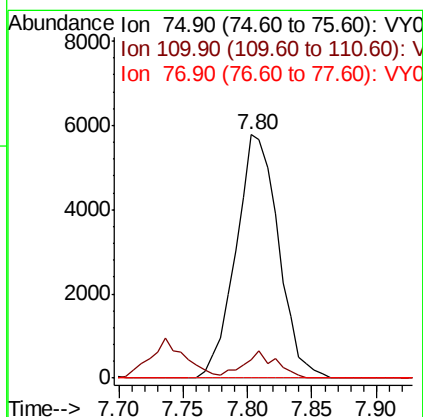
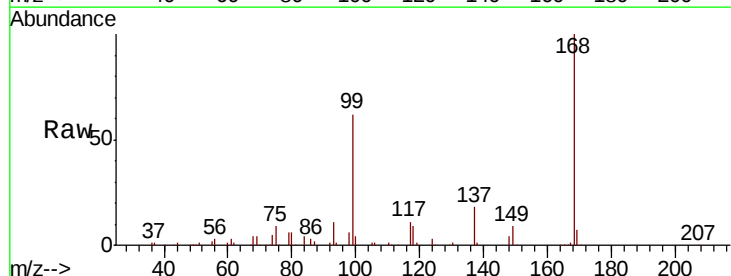
Instrument :
 MSVOA_Y
 ClientSampleId :

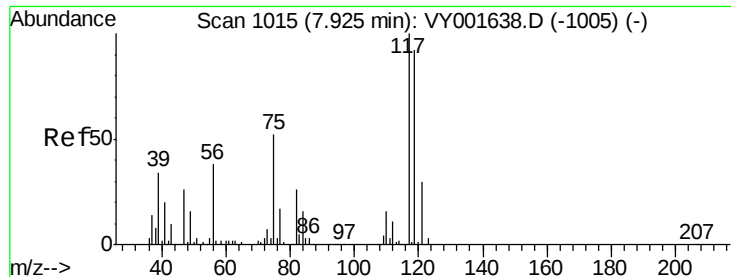
Tot Ion:113 Resp: 88402
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.9 122.9
 192 18.7 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.534 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001747.D
 Acq: 21 Feb 2020 16:55

Tgt Ion: 75 Resp: 13237
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.2 51.6#
 77 0.0 24.8 37.2#

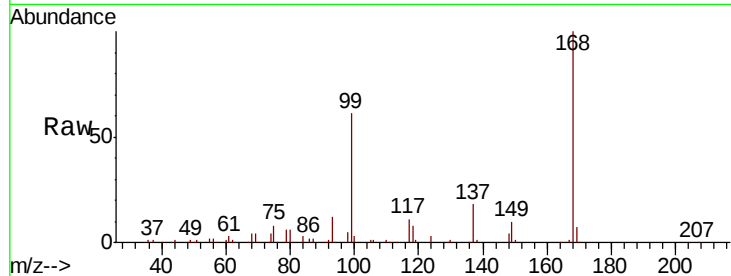




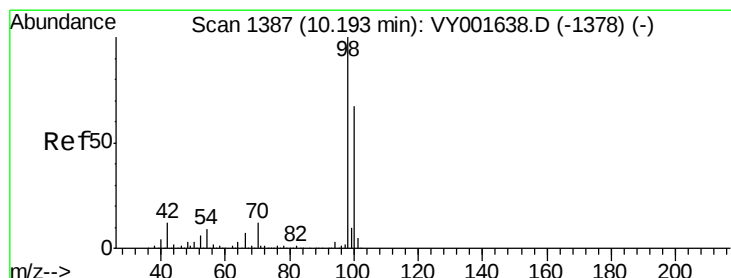
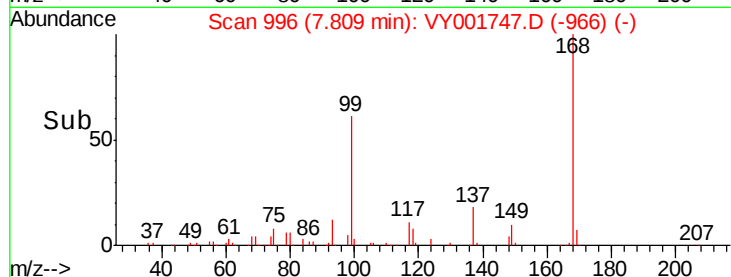
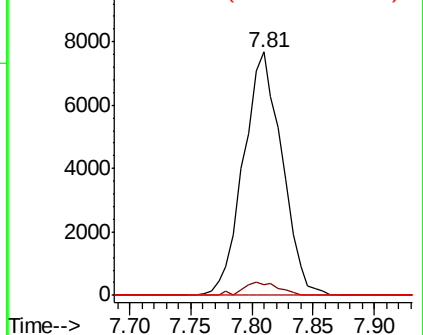
#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001747.D
Acq: 21 Feb 2020 16:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16854
Ion Ratio Lower Upper
117 100
119 4.6 74.8 112.2#
121 0.0 23.8 35.6#

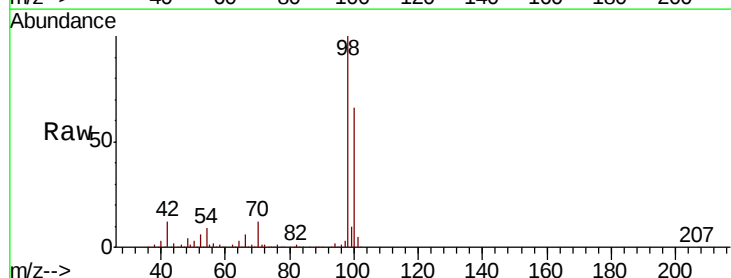


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

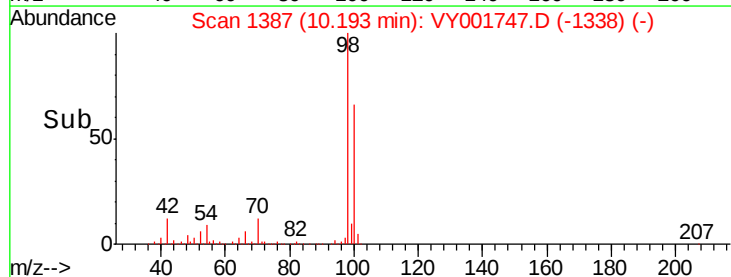
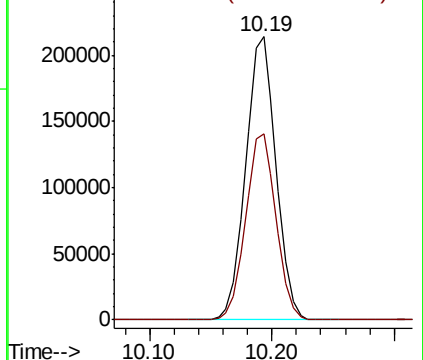


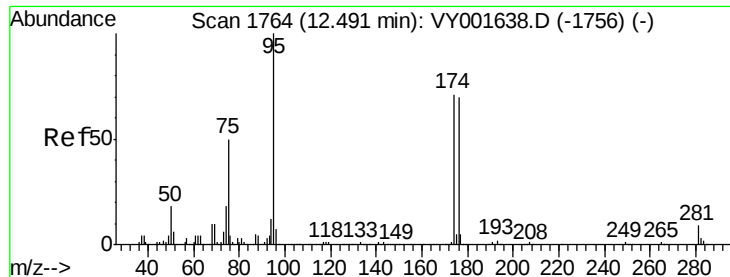
#50
Toluene-d8
Concen: 53.522 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001747.D
Acq: 21 Feb 2020 16:55

Tgt Ion: 98 Resp: 367061
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



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

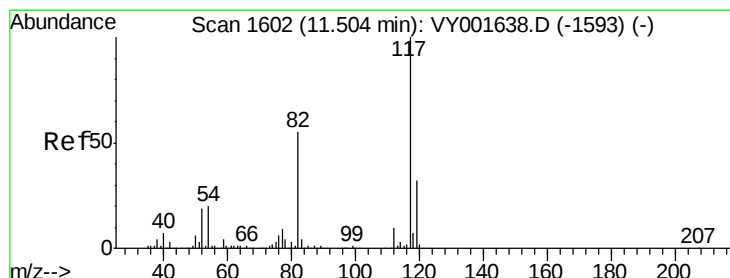
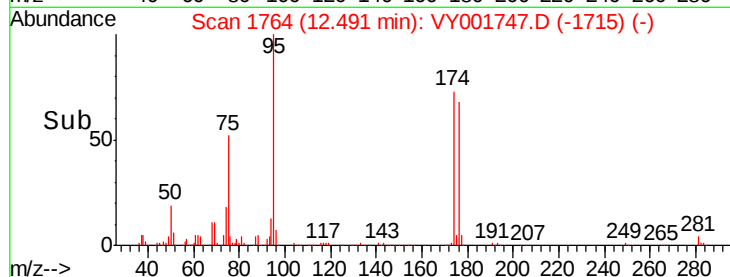
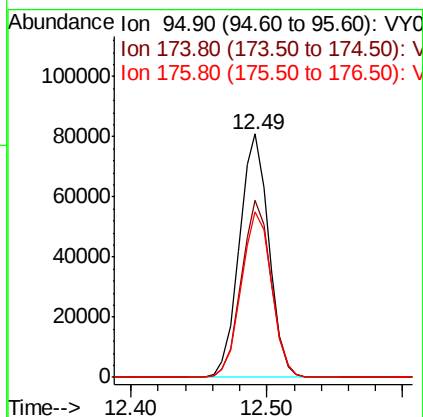
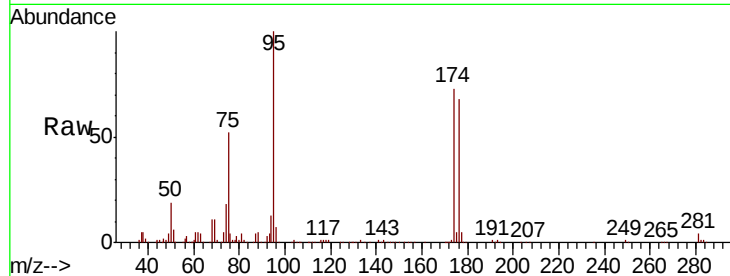




#62
4-Bromofluorobenzene
Concen: 45.855 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001747.D
Acq: 21 Feb 2020 16:55

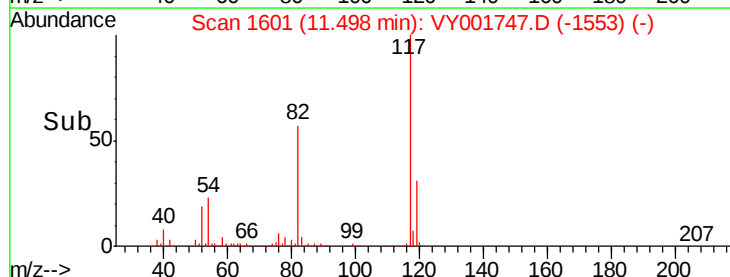
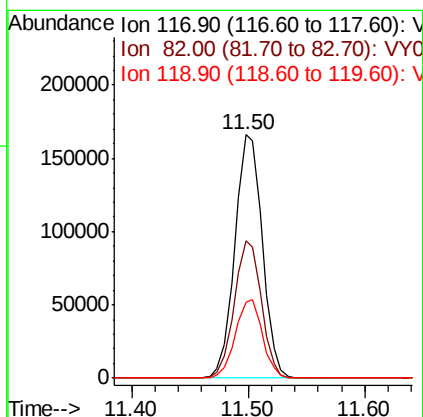
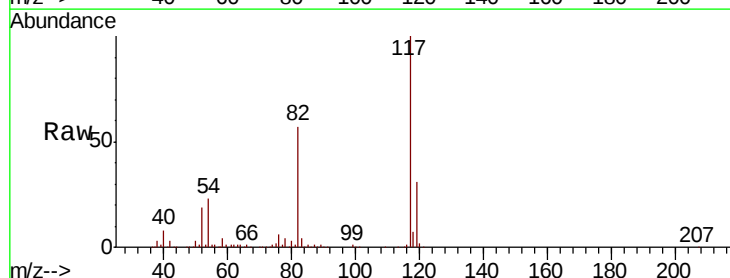
Instrument :
MSVOA_Y
ClientSampleId :

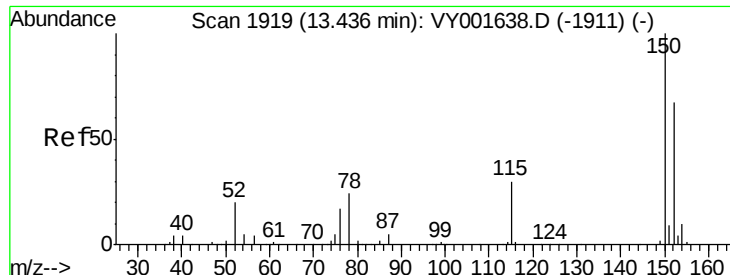
Tot Ion: 95 Resp: 122173
Ion Ratio Lower Upper
95 100
174 73.5 0.0 138.4
176 70.2 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001747.D
Acq: 21 Feb 2020 16:55

Tgt Ion: 117 Resp: 272877
Ion Ratio Lower Upper
117 100
82 56.6 45.5 68.3
119 31.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001747.D

Acq: 21 Feb 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

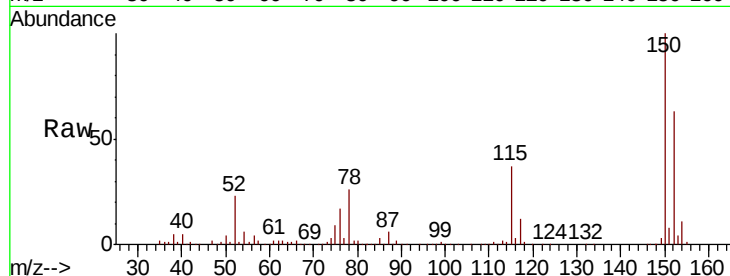
Tot Ion:152 Resp: 117756

Ion Ratio Lower Upper

152 100

115 62.1 31.4 94.2

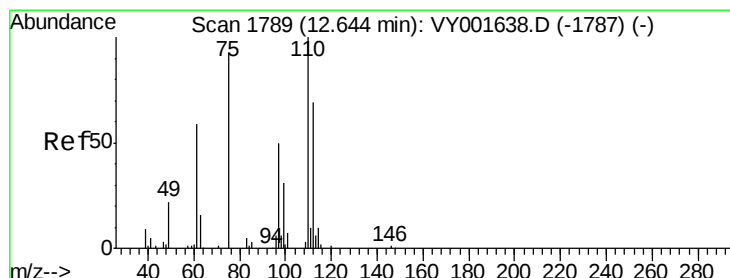
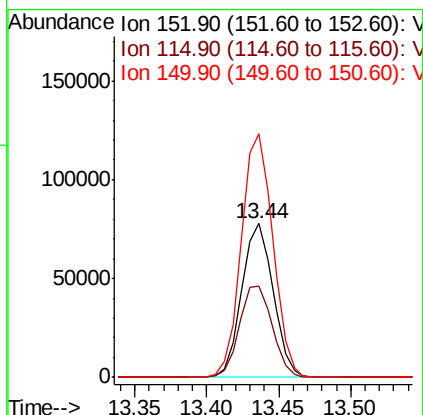
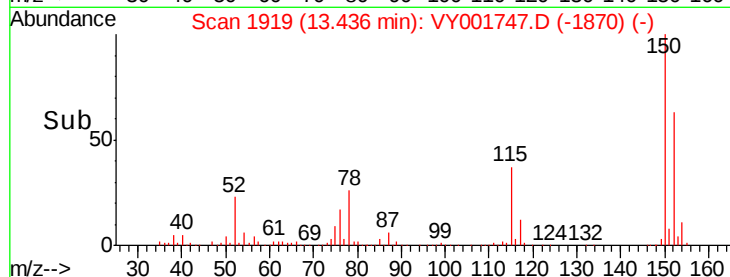
150 158.6 0.0 407.2



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: 47.140 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001747.D

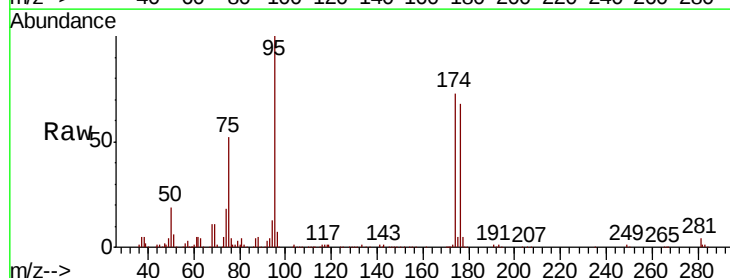
Acq: 21 Feb 2020 16:55

Tgt Ion: 75 Resp: 63677

Ion Ratio Lower Upper

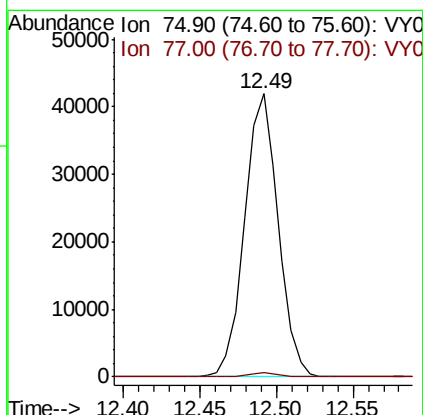
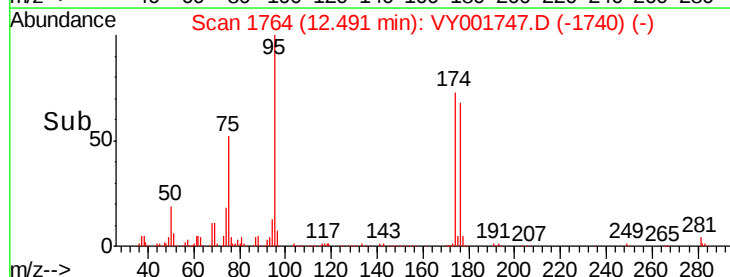
75 100

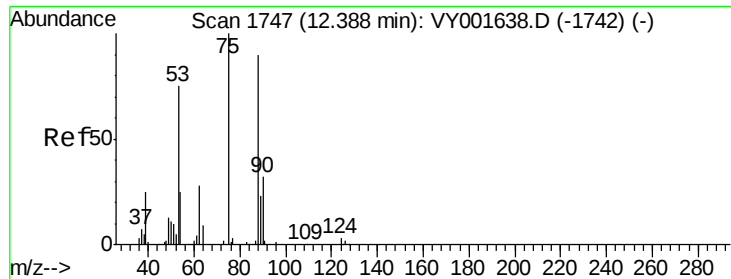
77 1.3 0.0 0.0#



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: 89.432 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001747.D

Acq: 21 Feb 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

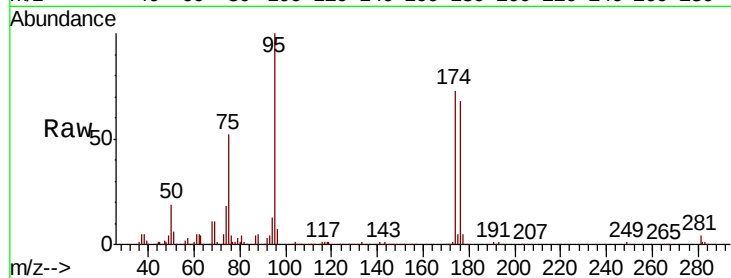
Tot Ion: 75 Resp: 63677

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.1 36.3 54.5#



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

