

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001642.D
 Acq On : 17 Feb 2020 13:38
 Operator : SY/MD
 Sample : VY0217SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 17 15:24:51 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	203773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	356801	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	313729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	142989	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	113458	51.76	ug/l	-0.01
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	7.73	113	106214	51.97	ug/l	-0.02
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.19	98	445175	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.49	95	153064	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	

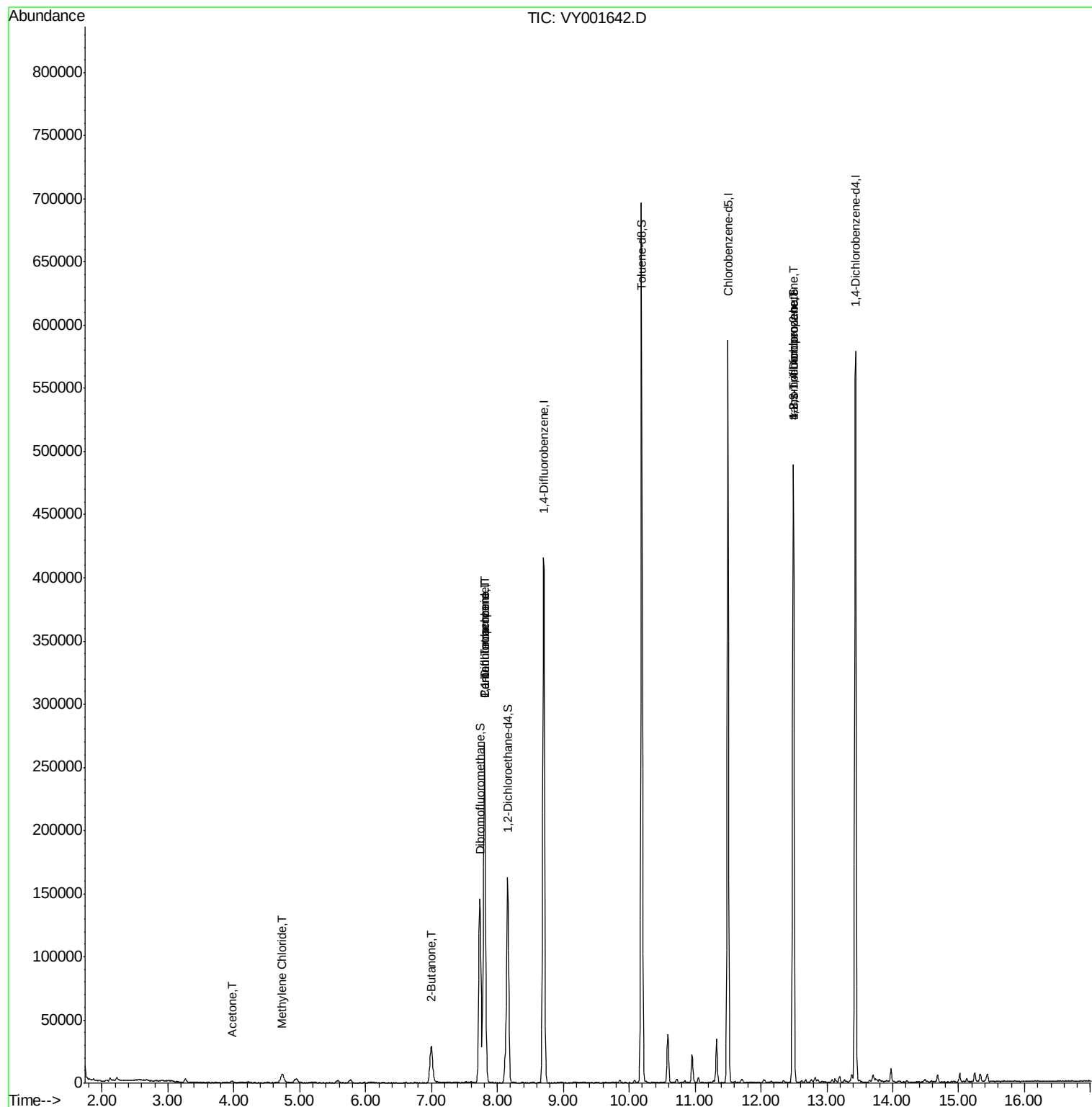
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	3791	Below Cal	#	74
16) Acetone	3.96	43	1845	2.433	ug/l	93
20) Methylene Chloride	4.73	84	5279	1.960	ug/l	97
25) 2-Butanone	7.00	43	2001	1.942	ug/l	90
36) 1,1-Dichloropropene	7.80	75	16689	4.897	ug/l #	50
38) Carbon Tetrachloride	7.81	117	20231	6.758	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.79	63	149	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	78612	47.926	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	78612	90.924	ug/l #	17

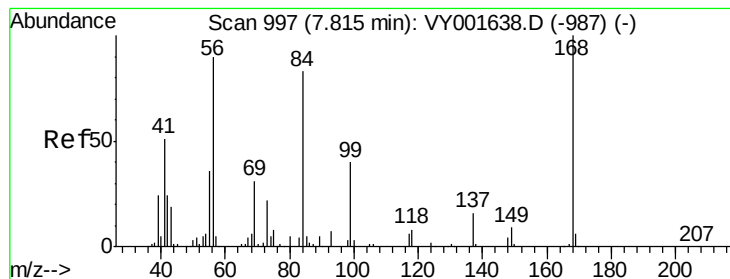
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
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: VY001642.D

Acq: 17 Feb 2020 13:38

Instrument :

MSVOA_Y

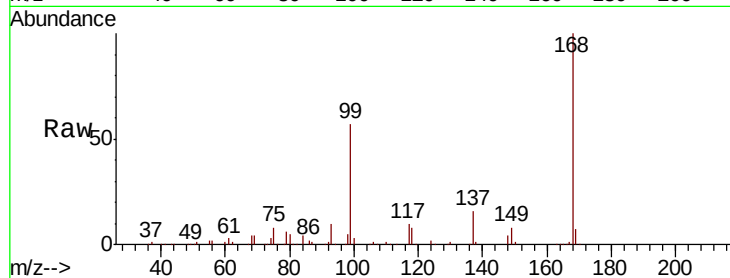
ClientSampled :

Tot Ion:168 Resp: 203773

Ion Ratio Lower Upper

168 100

99 56.7 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

100000

80000

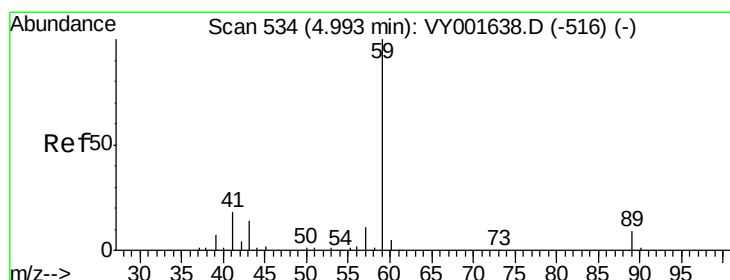
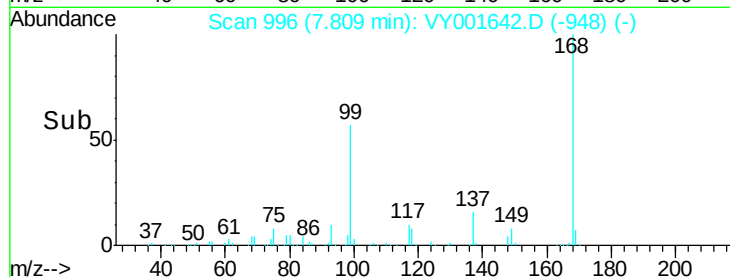
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 526

Delta R.T. -0.05 min

Lab File: VY001642.D

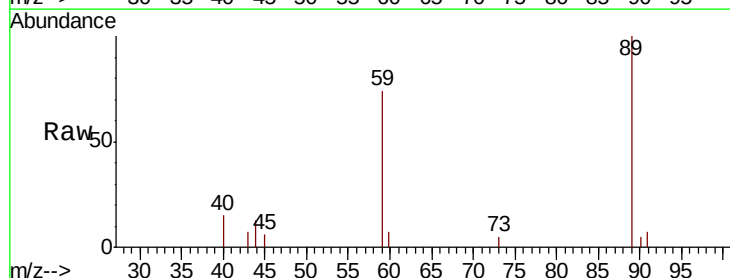
Acq: 17 Feb 2020 13:38

Tgt Ion: 59 Resp: 3791

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) (-)

4.94

1000

800

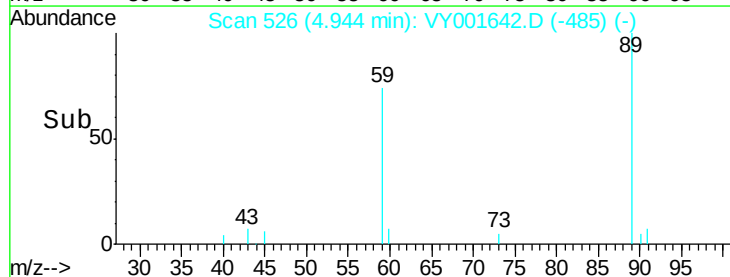
600

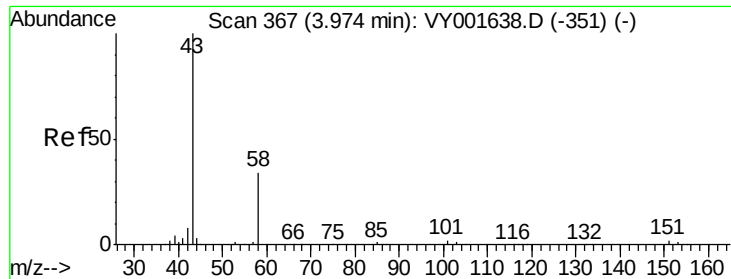
400

200

0

Time--> 4.80 4.90 5.00 5.10





#16

Acetone

Concen: 2.433 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001642.D

Acq: 17 Feb 2020 13:38

Instrument :

MSVOA_Y

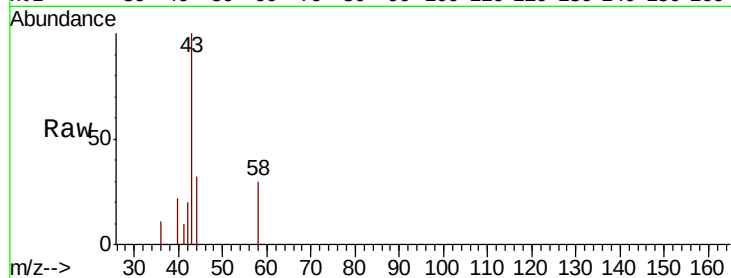
ClientSampleId :

Tot Ion: 43 Resp: 1845

Ion Ratio Lower Upper

43 100

58 30.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

3.96

600

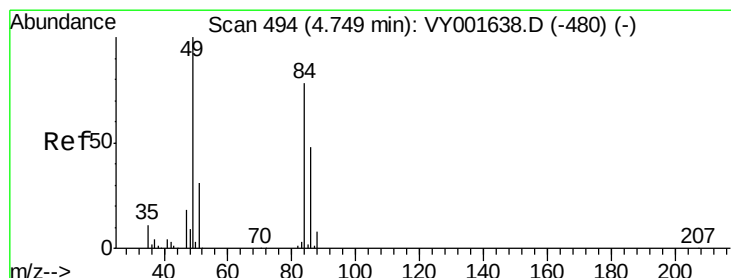
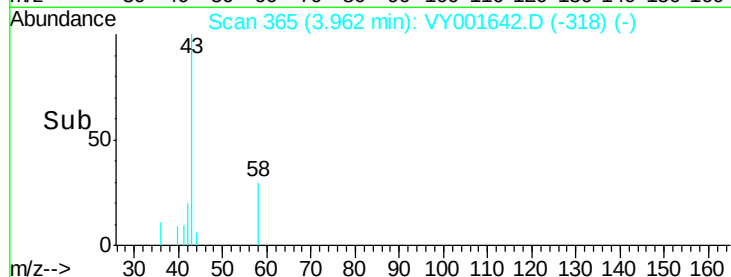
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 1.960 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.02 min

Lab File: VY001642.D

Acq: 17 Feb 2020 13:38

Tgt Ion: 84 Resp: 5279

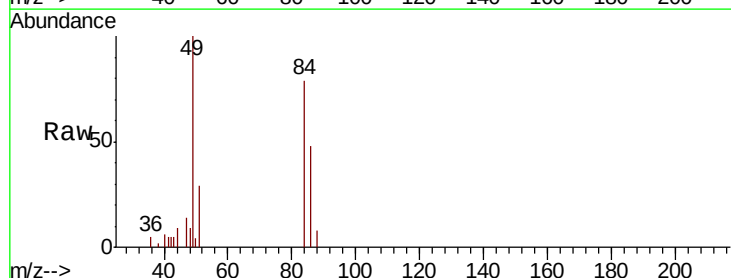
Ion Ratio Lower Upper

84 100

49 127.3 99.2 148.8

51 37.1 31.5 47.3

86 61.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)

4.73

3000

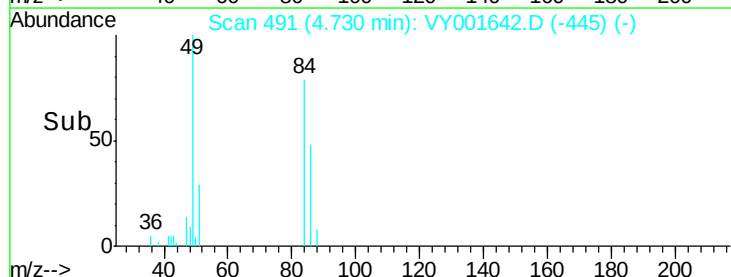
2000

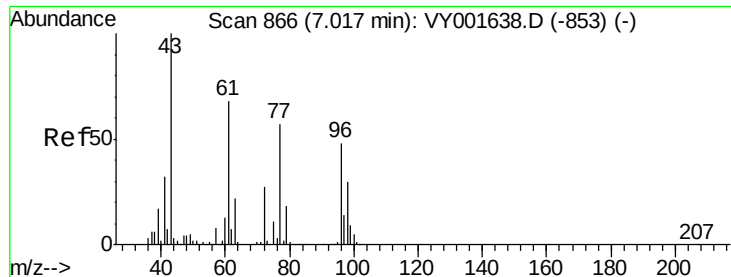
1000

0

4.60 4.70 4.80

Time-->





#25

2-Butanone

Concen: 1.942 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001642.D

Acq: 17 Feb 2020 13:38

Instrument :

MSVOA_Y

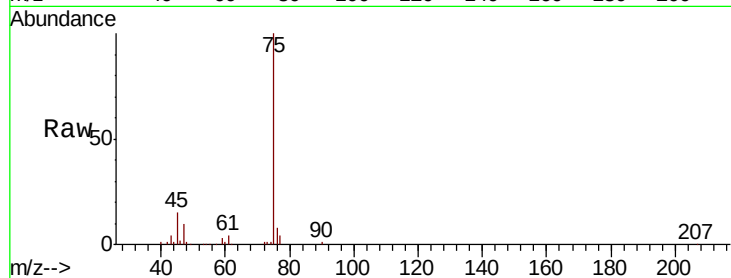
ClientSampleId :

Tot Ion: 43 Resp: 2001

Ion Ratio Lower Upper

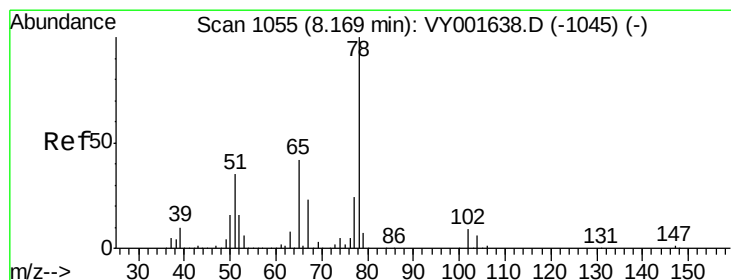
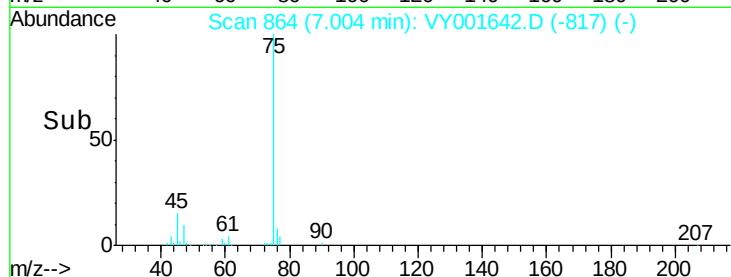
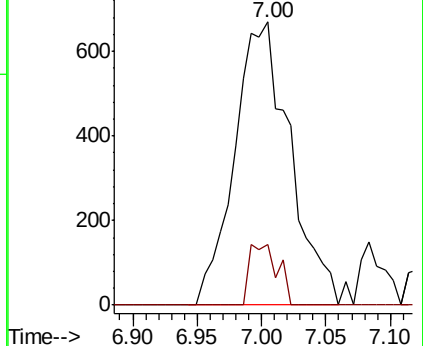
43 100

72 21.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 51.763 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001642.D

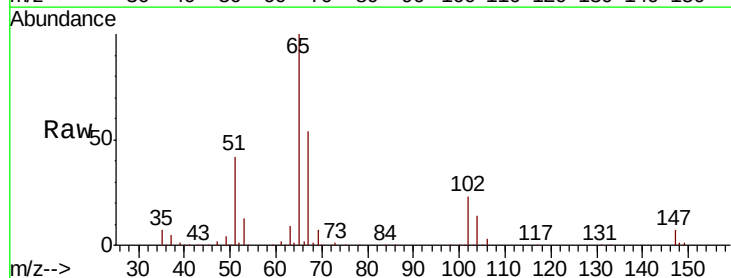
Acq: 17 Feb 2020 13:38

Tgt Ion: 65 Resp: 113458

Ion Ratio Lower Upper

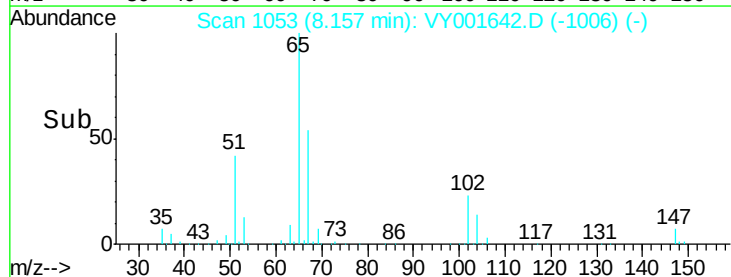
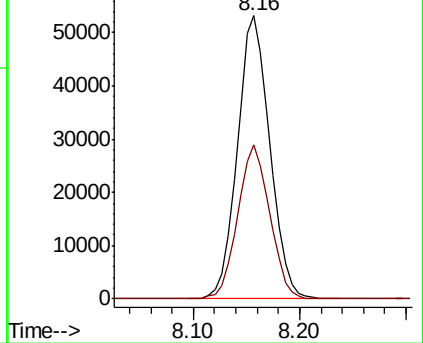
65 100

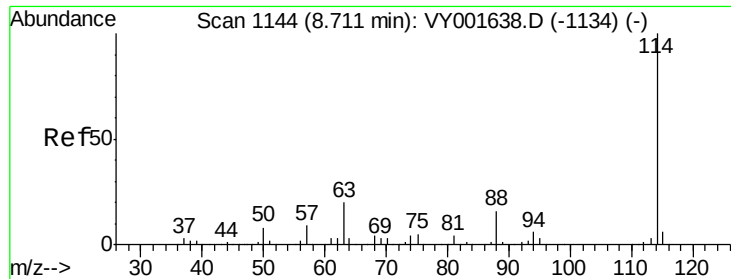
67 53.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

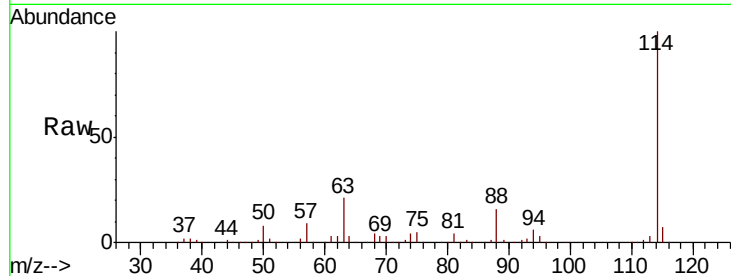




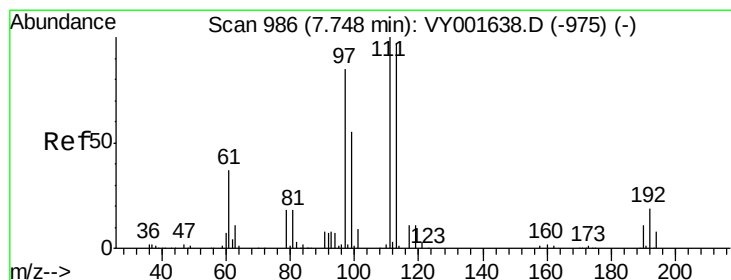
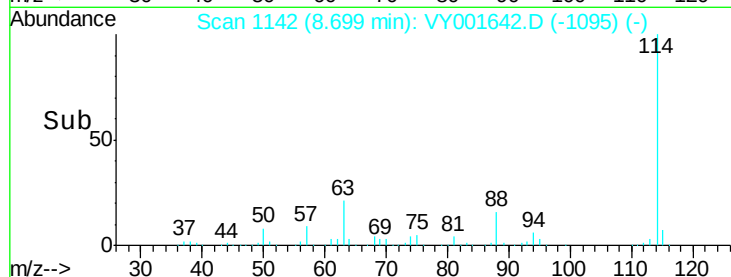
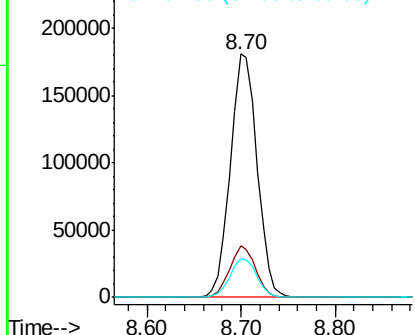
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001642.D
 Acq: 17 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 356801
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.4
 88 15.9 0.0 32.8

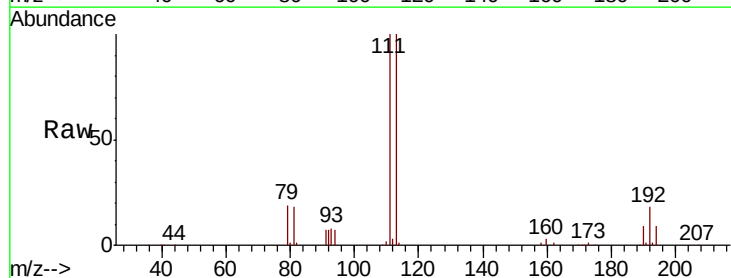


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

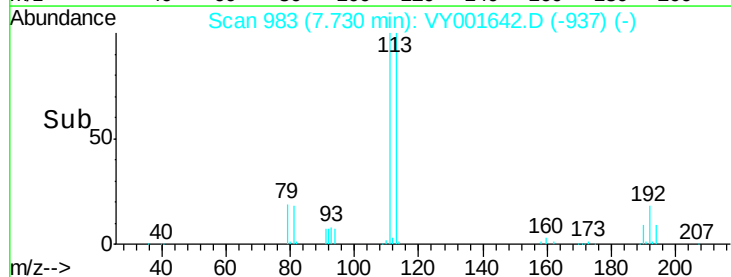
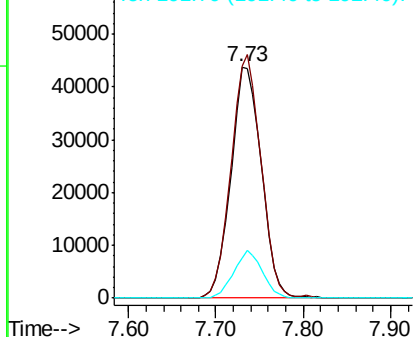


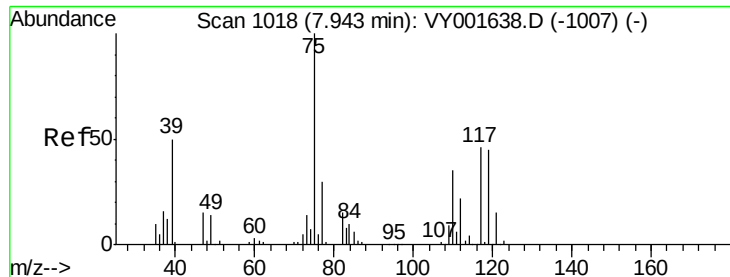
#35
 Dibromofluoromethane
 Concen: 51.974 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001642.D
 Acq: 17 Feb 2020 13:38

Tgt Ion:113 Resp: 106214
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 19.2 14.3 21.5



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: 4.897 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.14 min

Lab File: VY001642.D

Acq: 17 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampled :

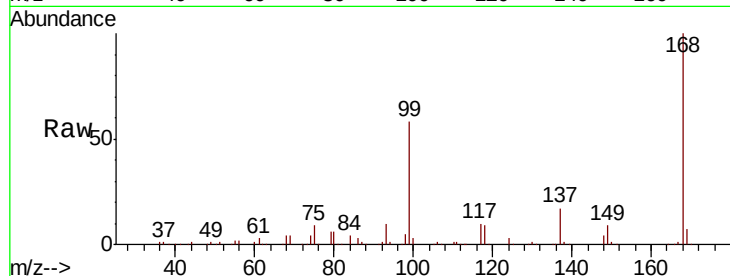
Tot Ion: 75 Resp: 16689

Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.6#

77 0.0 24.8 37.2#

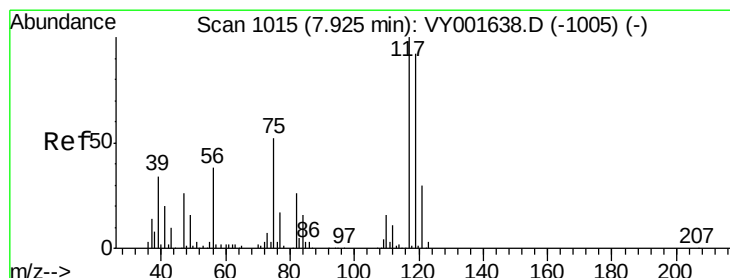
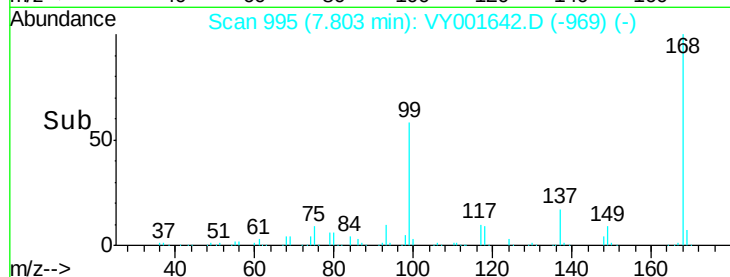


Abundance Ion 74.90 (74.60 to 75.60): VY001638.D (-1007) (-)

Ion 109.90 (109.60 to 110.60): VY001638.D (-1007) (-)

Ion 76.90 (76.60 to 77.60): VY001638.D (-1007) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.758 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001642.D

Acq: 17 Feb 2020 13:38

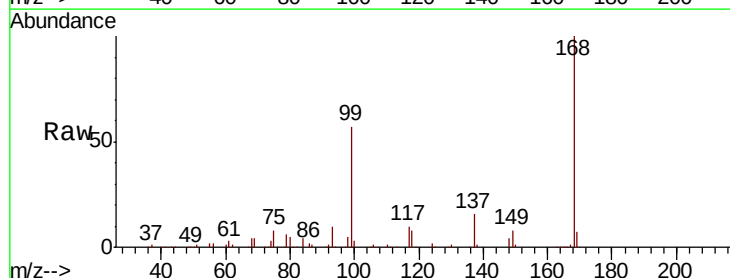
Tgt Ion: 117 Resp: 20231

Ion Ratio Lower Upper

117 100

119 4.4 74.8 112.2#

121 0.0 23.8 35.6#

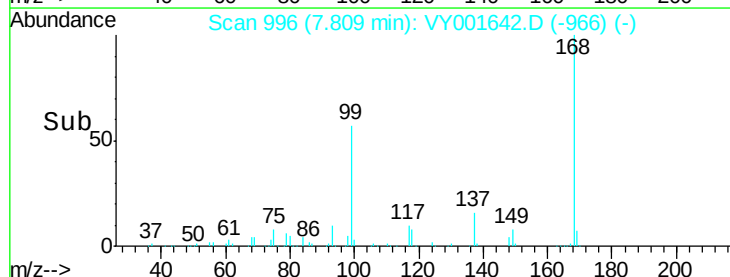


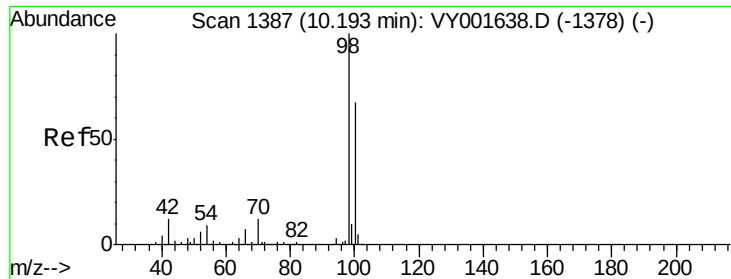
Abundance Ion 116.80 (116.50 to 117.50): VY001638.D (-1005) (-)

Ion 118.80 (118.50 to 119.50): VY001638.D (-1005) (-)

Ion 120.80 (120.50 to 121.50): VY001638.D (-1005) (-)

Time-->

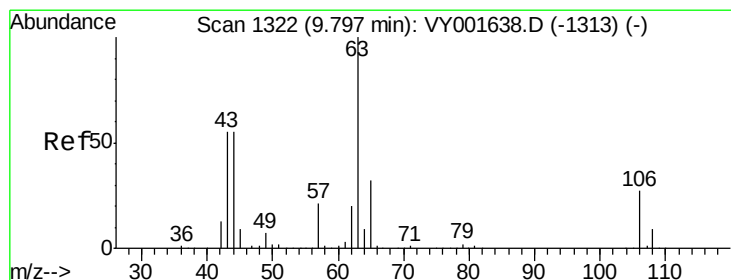
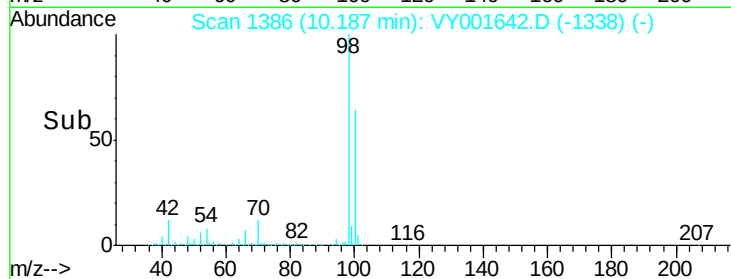
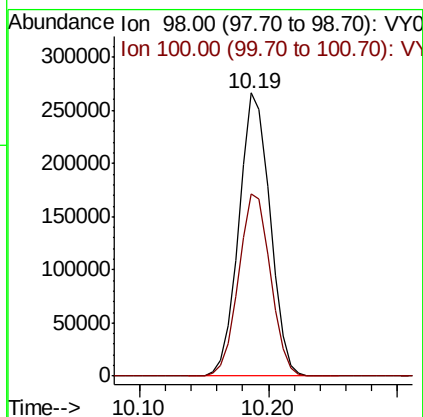
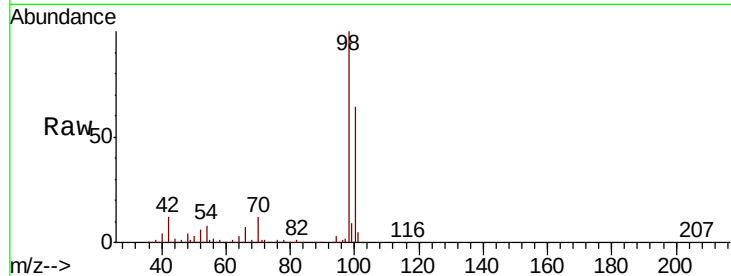




#50
Toluene-d8
Concen: 55.604 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001642.D
Acq: 17 Feb 2020 13:38

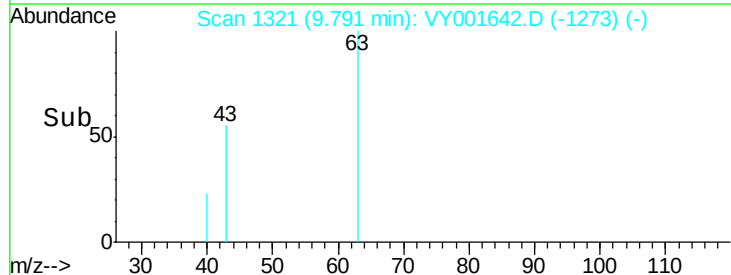
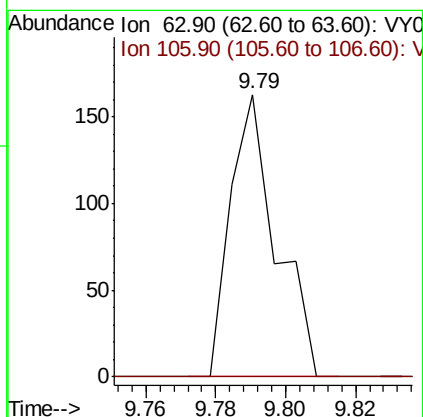
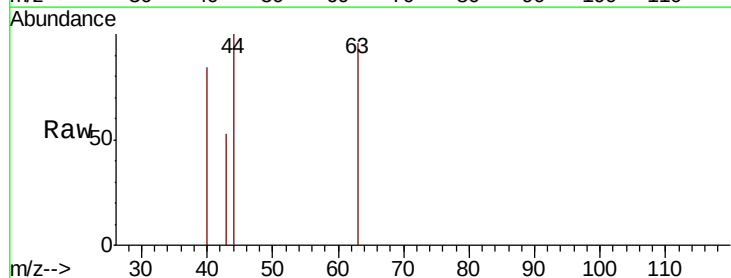
Instrument :
MSVOA_Y
ClientSampled :

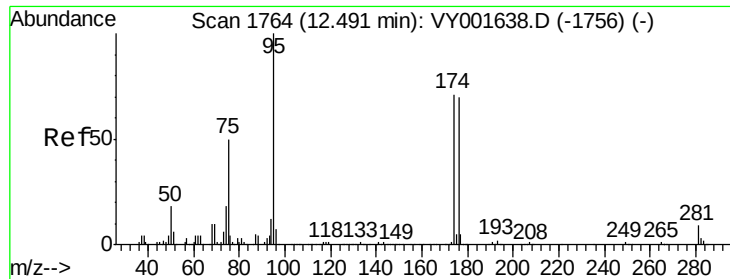
Tot Ion: 98 Resp: 445175
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.79 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VY001642.D
Acq: 17 Feb 2020 13:38

Tgt Ion: 63 Resp: 149
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

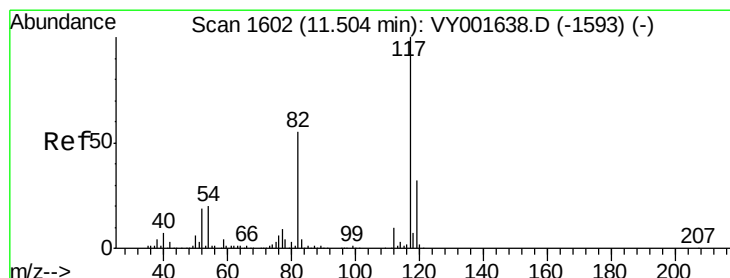
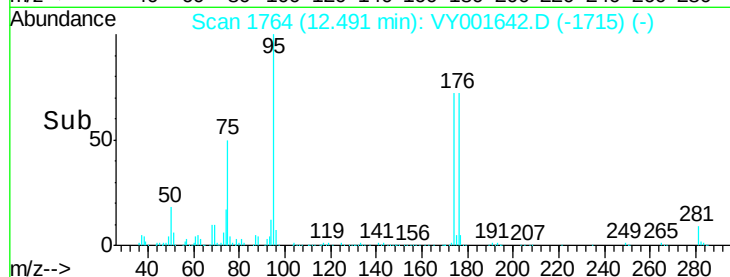
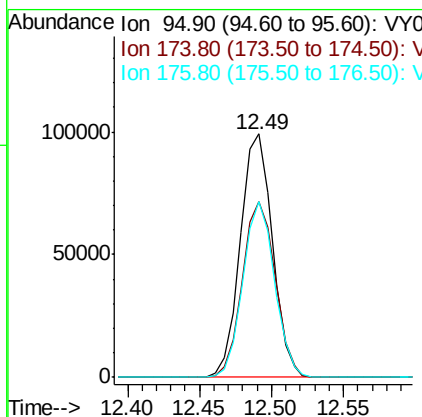
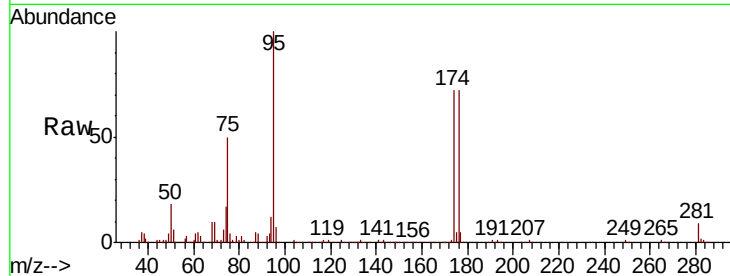




#62
4-Bromofluorobenzene
Concen: 49.211 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001642.D
Acq: 17 Feb 2020 13:38

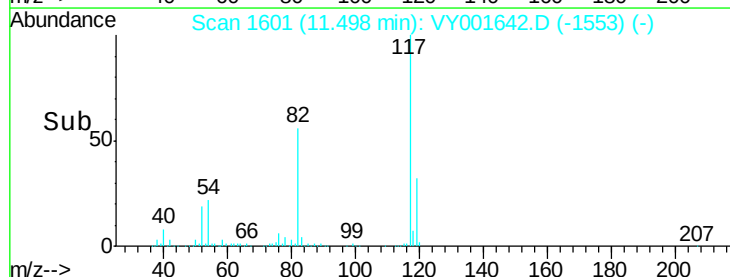
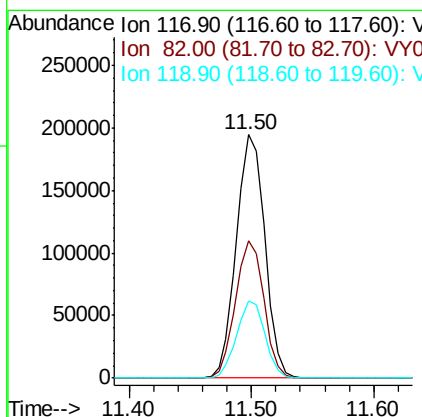
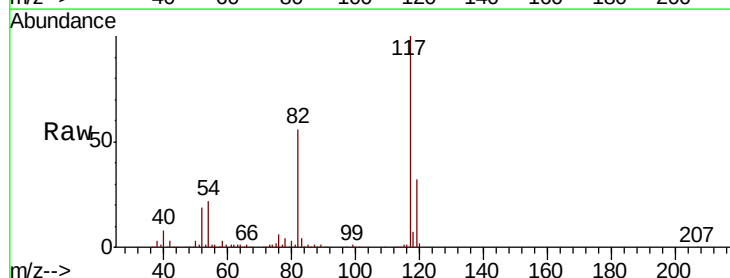
Instrument :
MSVOA_Y
ClientSampled :

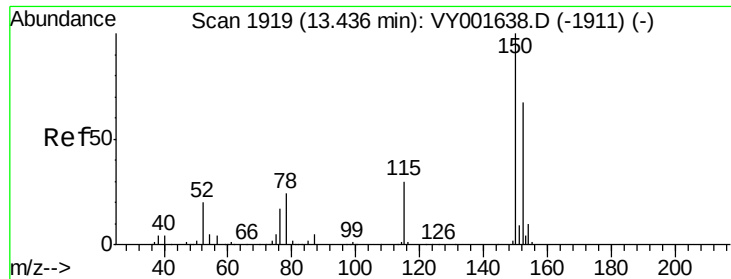
Tot Ion: 95 Resp: 153064
Ion Ratio Lower Upper
95 100
174 74.0 0.0 138.4
176 71.0 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001642.D
Acq: 17 Feb 2020 13:38

Tgt Ion: 117 Resp: 313729
Ion Ratio Lower Upper
117 100
82 56.2 45.5 68.3
119 31.8 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: VY001642.D

Acq: 17 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

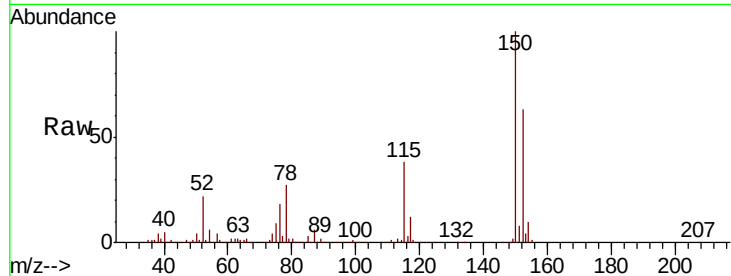
Tot Ion:152 Resp: 142989

Ion Ratio Lower Upper

152 100

115 61.5 31.4 94.2

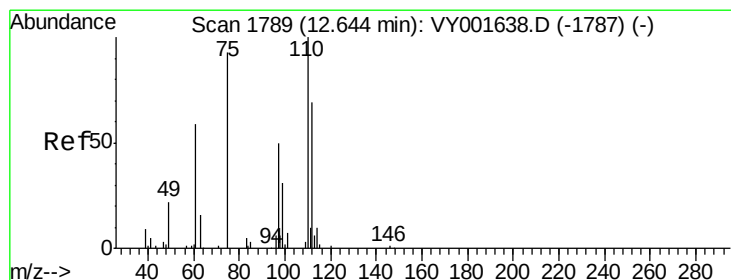
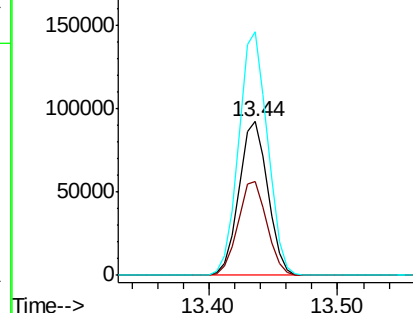
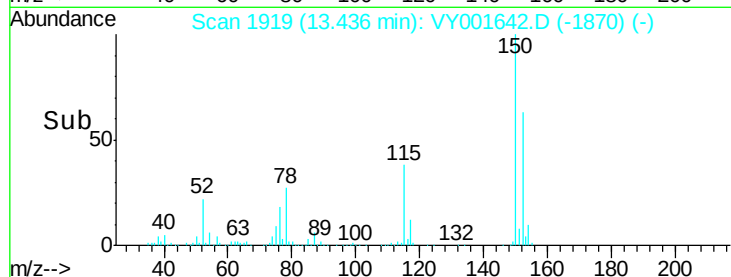
150 158.0 0.0 407.2



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: 47.926 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001642.D

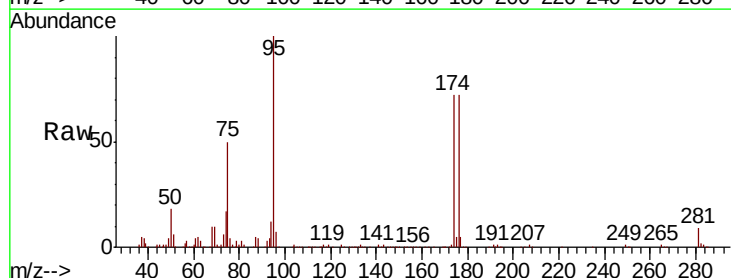
Acq: 17 Feb 2020 13:38

Tgt Ion: 75 Resp: 78612

Ion Ratio Lower Upper

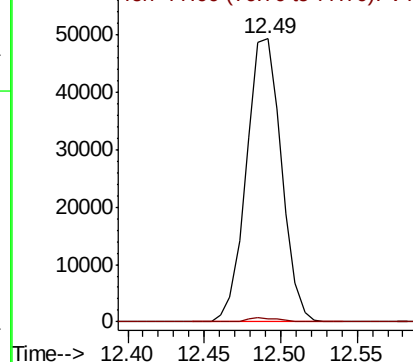
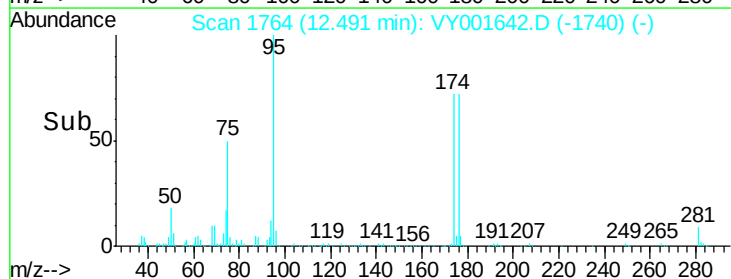
75 100

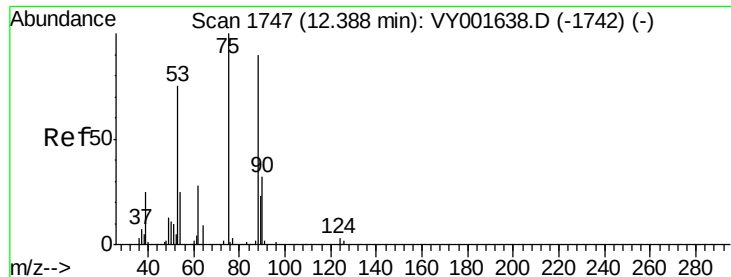
77 1.4 0.0 0.0#



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: 90.924 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001642.D

Acq: 17 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

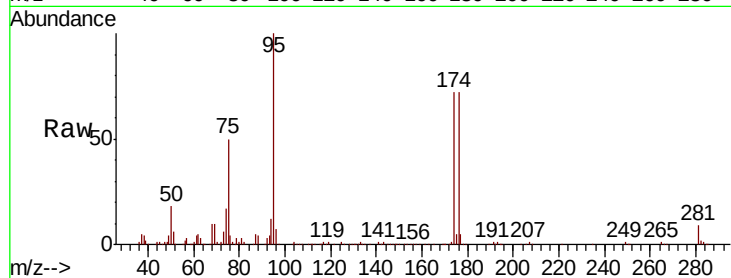
Tot Ion: 75 Resp: 78612

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 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

