

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022820\
 Data File : VY001797.D
 Acq On : 28 Feb 2020 12:28
 Operator : SY/MD
 Sample : L1723-02
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-(1.5-2)

Quant Time: Feb 28 12:50:17 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	7.80	168	108293	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	193835	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	166216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	66323	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	59037	50.68	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.36%	
35) Dibromofluoromethane	7.74	113	55993	50.43	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.86%	
50) Toluene-d8	10.19	98	233707	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
62) 4-Bromofluorobenzene	12.49	95	70949	41.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.98%	

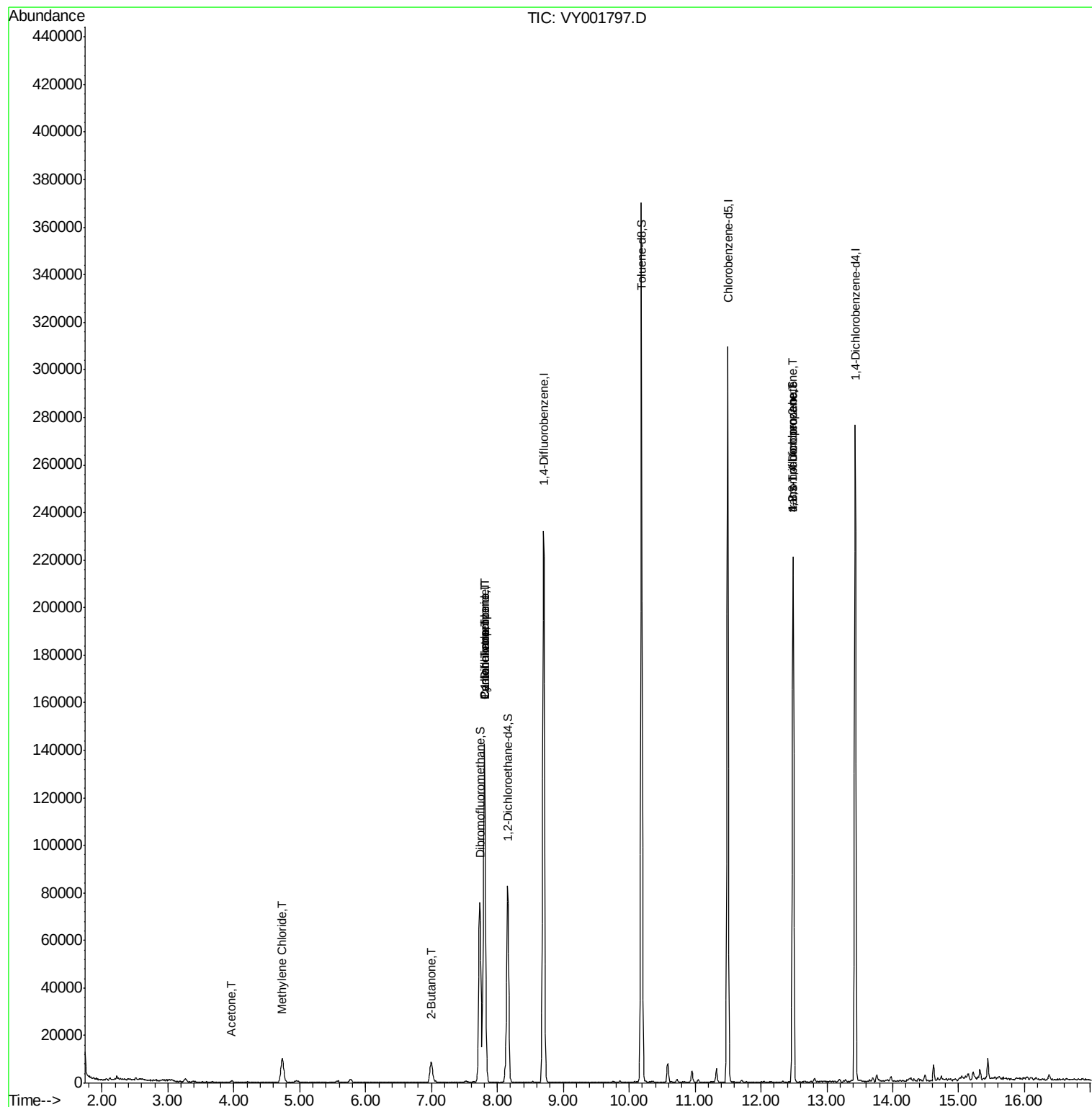
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	742	Below Cal	#	74
16) Acetone	3.96	43	561	1.39	ug/l	92
20) Methylene Chloride	4.74	84	7554	5.28	ug/l	96
25) 2-Butanone	7.01	43	567	1.04	ug/l	# 48
31) Cyclohexane	7.80	56	2453	1.00	ug/l	# 4
36) 1,1-Dichloropropene	7.80	75	8568	4.63	ug/l	# 52
38) Carbon Tetrachloride	7.80	117	11143	6.85	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.57	63	20	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	36111	47.46	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	36111	90.05	ug/l	# 17

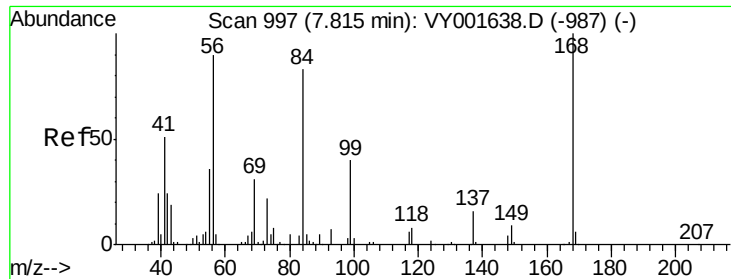
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

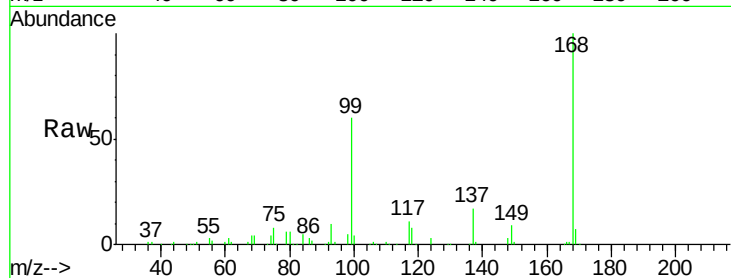
B2-(1.5-2)

Tgt Ion:168 Resp: 108293

Ion Ratio Lower Upper

168 100

99 59.9 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) (-)

7.80

50000

40000

30000

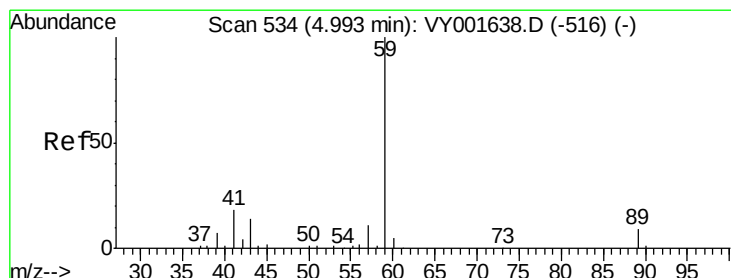
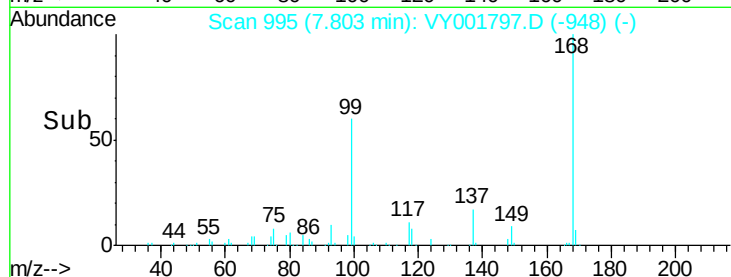
20000

10000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.04 min

Lab File: VY001797.D

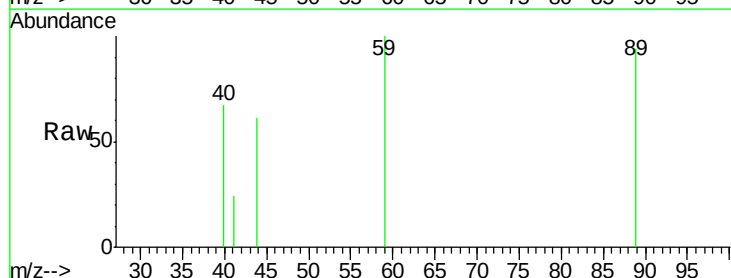
Acq: 28 Feb 2020 12:28

Tgt Ion: 59 Resp: 742

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

300

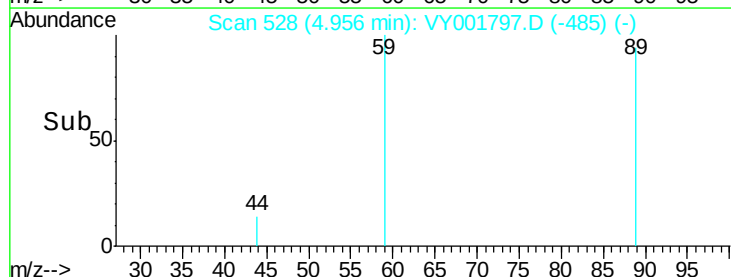
200

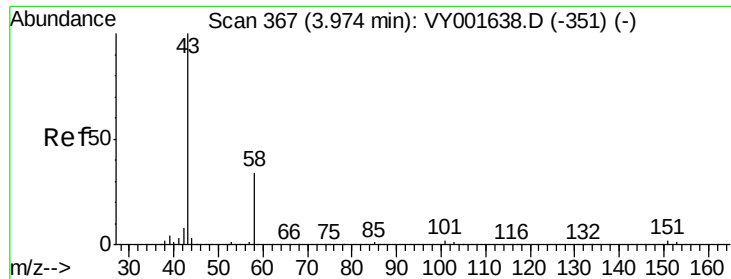
100

0

Time-->

4.90 4.95 5.00





#16

Acetone

Concen: 1.39 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

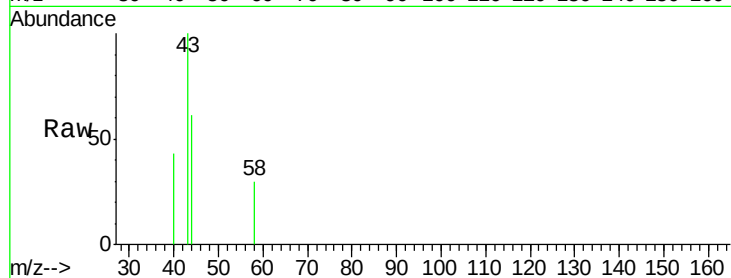
B2-(1.5-2)

Tgt Ion: 43 Resp: 561

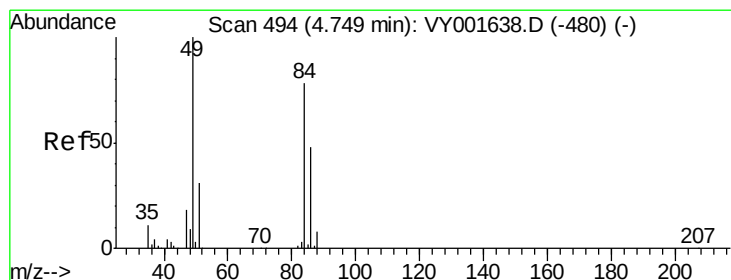
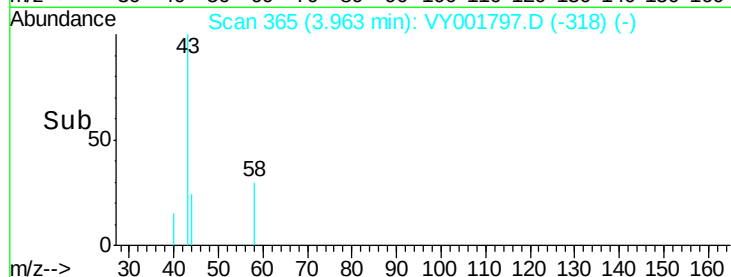
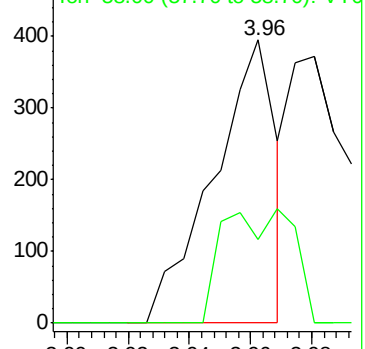
Ion Ratio Lower Upper

43 100

58 29.6 27.3 40.9



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



#20

Methylene Chloride

Concen: 5.28 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

Tgt Ion: 84 Resp: 7554

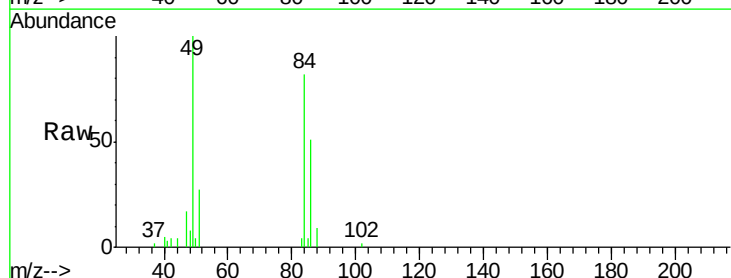
Ion Ratio Lower Upper

84 100

49 121.3 99.2 148.8

51 33.0 31.5 47.3

86 61.4 51.0 76.6

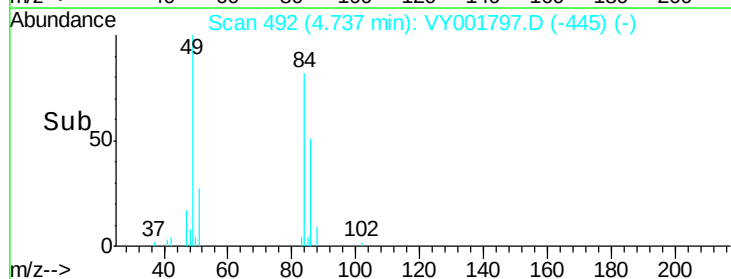
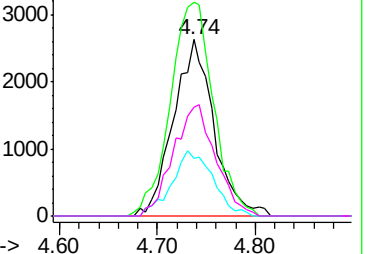


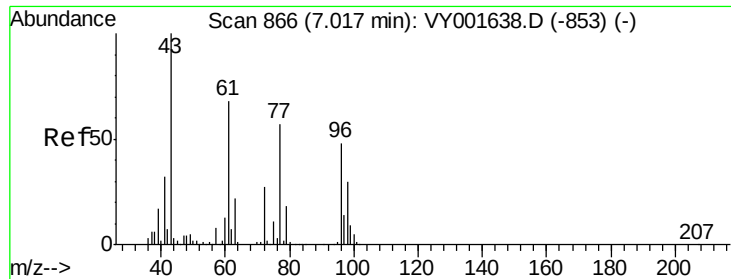
Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

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) (-)





#25

2-Butanone

Concen: 1.04 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

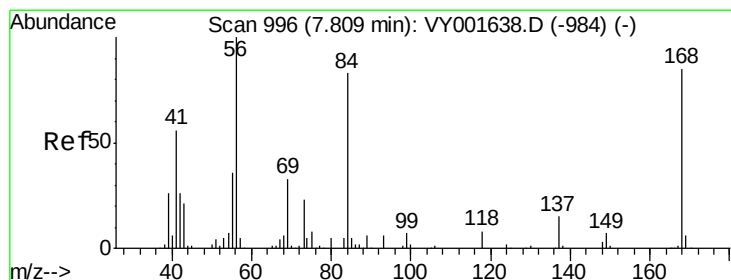
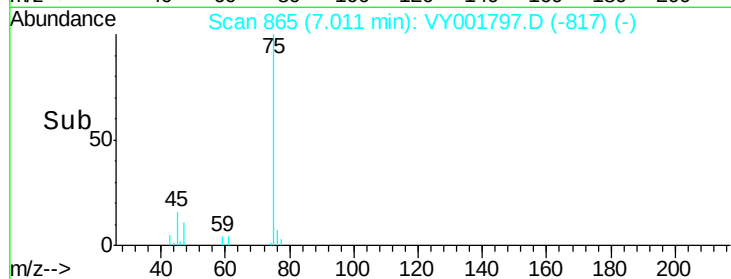
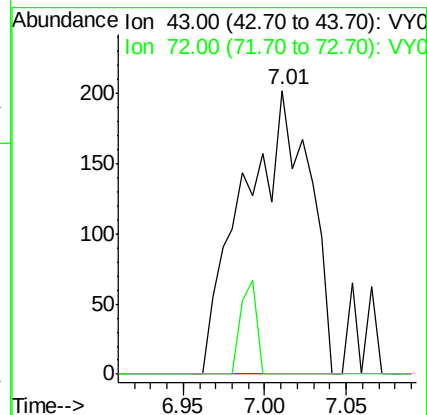
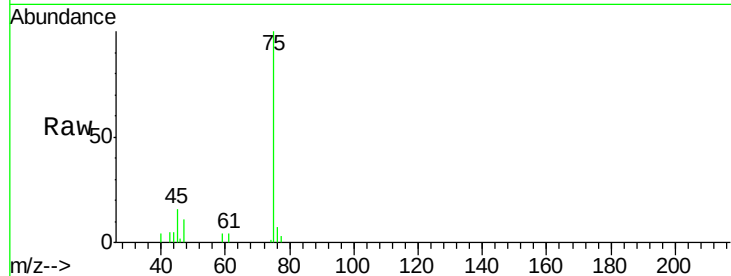
B2-(1.5-2)

Tgt Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

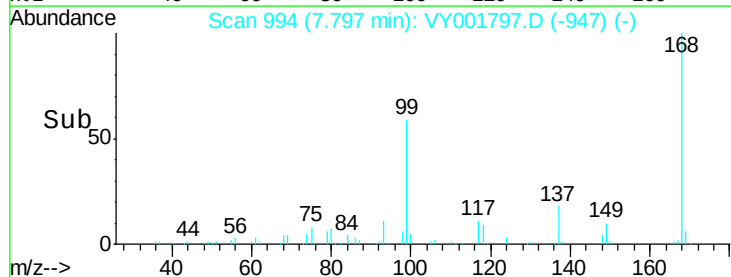
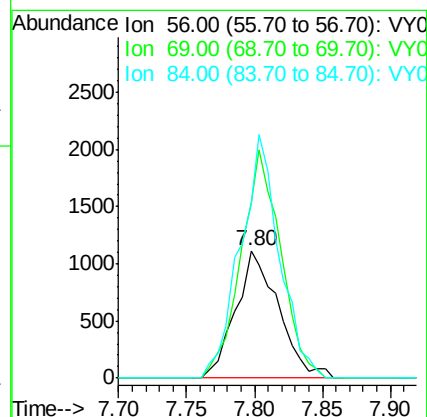
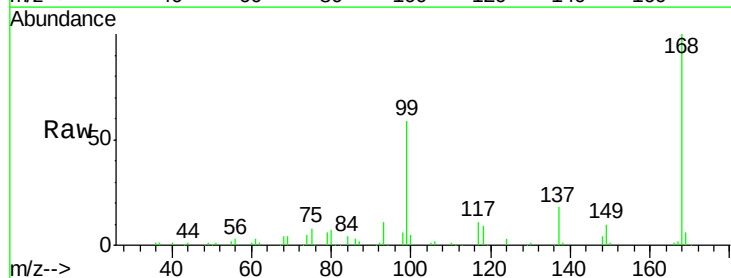
Tgt Ion: 56 Resp: 2453

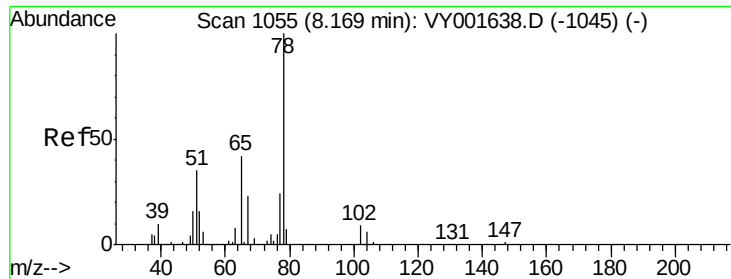
Ion Ratio Lower Upper

56 100

69 137.9 25.1 37.7#

84 137.6 66.9 100.3#

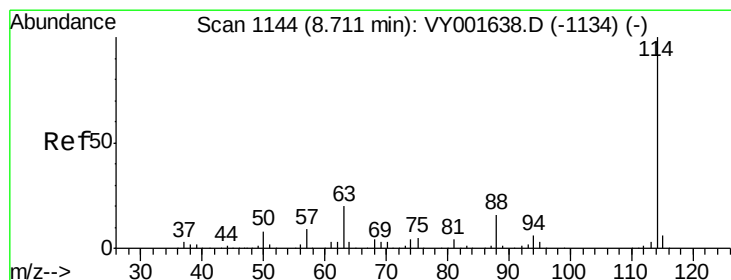
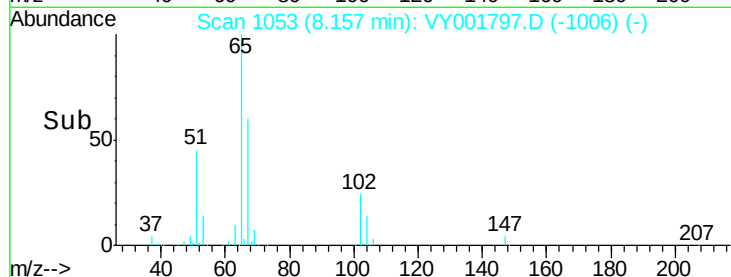
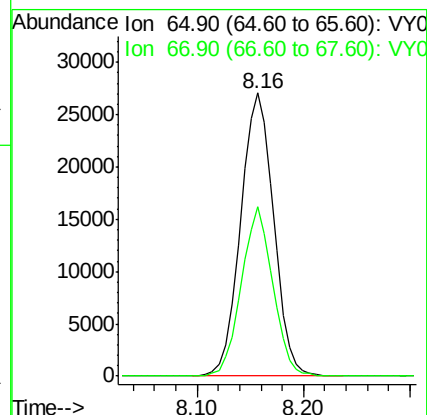
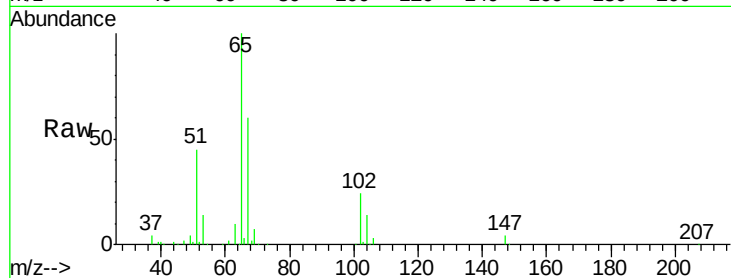




#33
 1,2-Dichloroethane-d4
 Concen: 50.68 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001797.D
 Acq: 28 Feb 2020 12:28

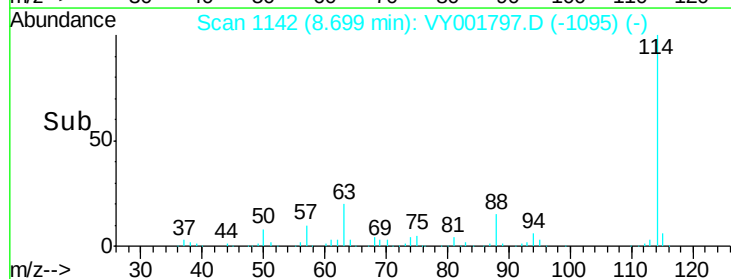
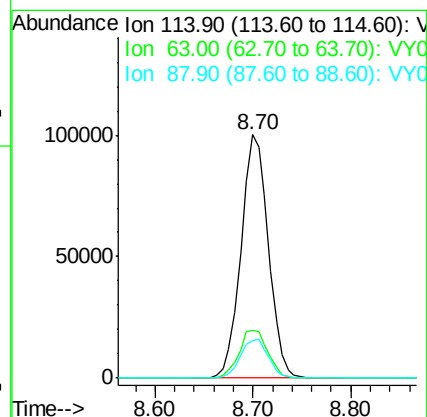
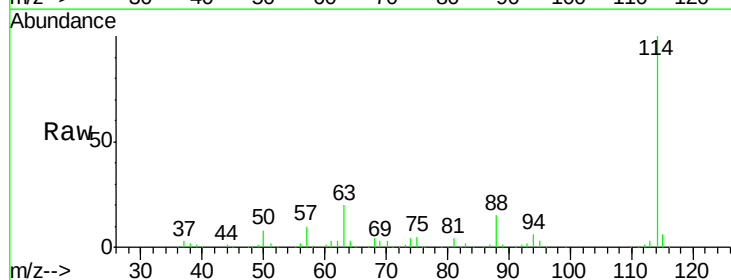
Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-(1.5-2)

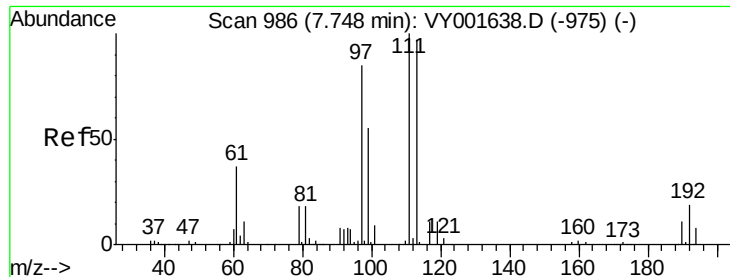
Tgt Ion: 65 Resp: 59037
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001797.D
 Acq: 28 Feb 2020 12:28

Tgt Ion: 114 Resp: 193835
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.43 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

B2-(1.5-2)

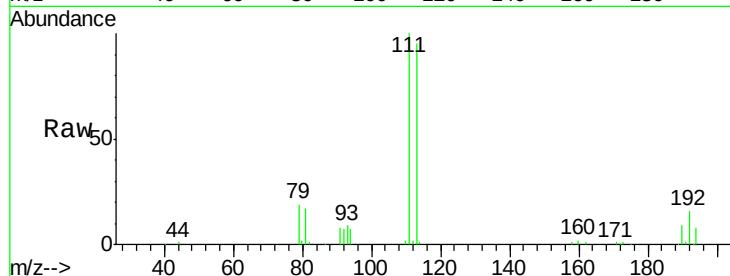
Tgt Ion:113 Resp: 55993

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

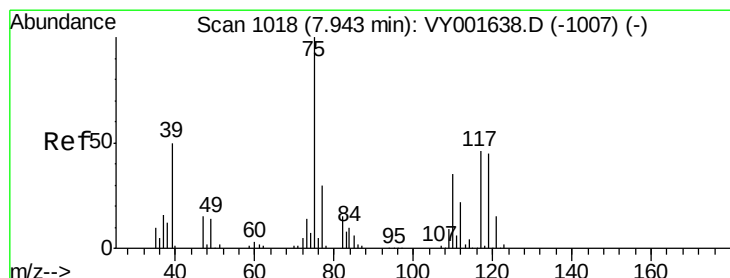
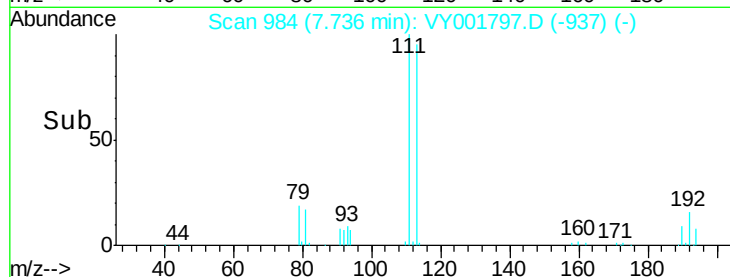
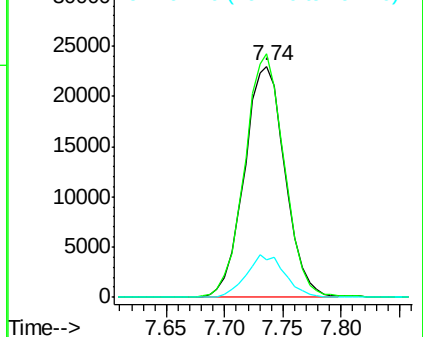
192 17.6 14.3 21.5



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: 4.63 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.14 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

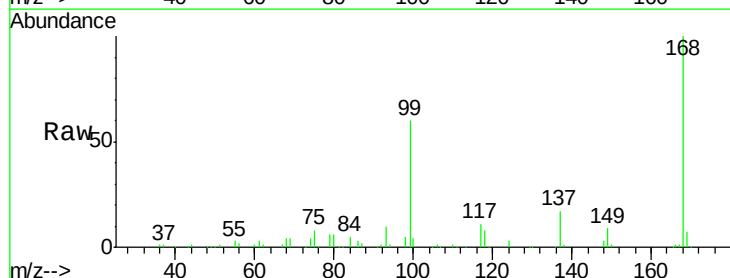
Tgt Ion: 75 Resp: 8568

Ion Ratio Lower Upper

75 100

110 11.4 17.2 51.6#

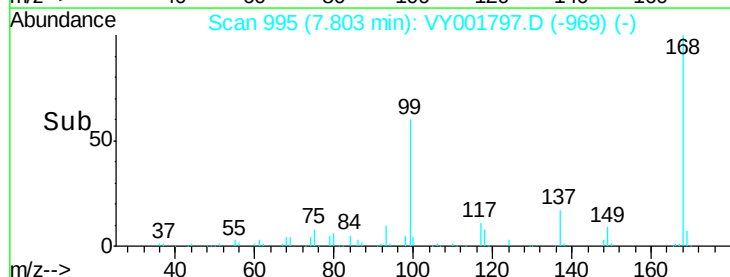
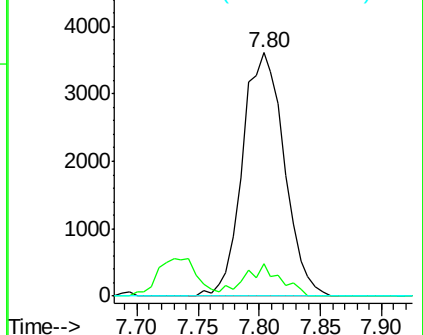
77 0.0 24.8 37.2#

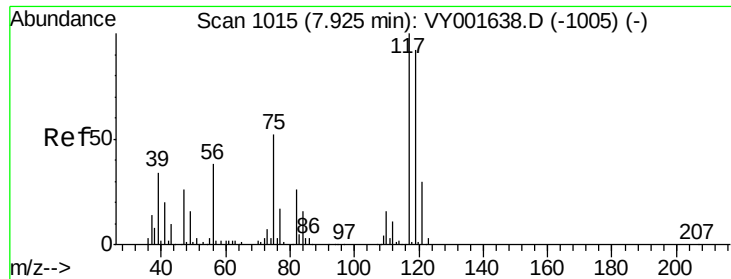


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.85 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

B2-(1.5-2)

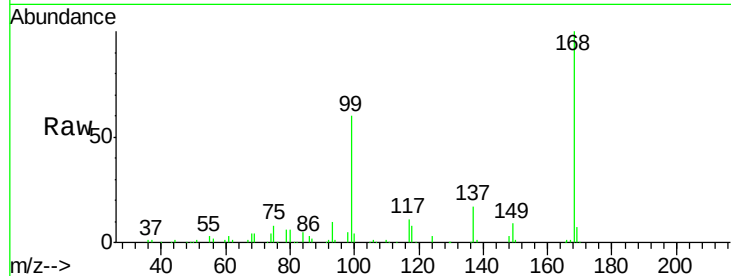
Tgt Ion:117 Resp: 11143

Ion Ratio Lower Upper

117 100

119 4.2 74.8 112.2#

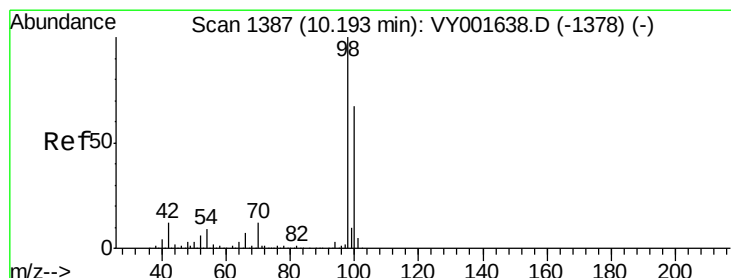
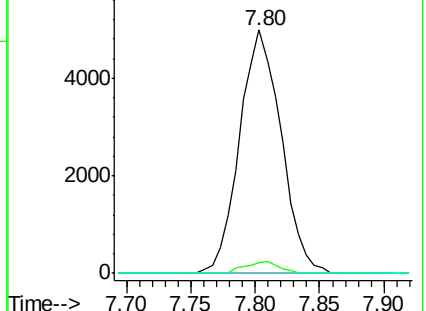
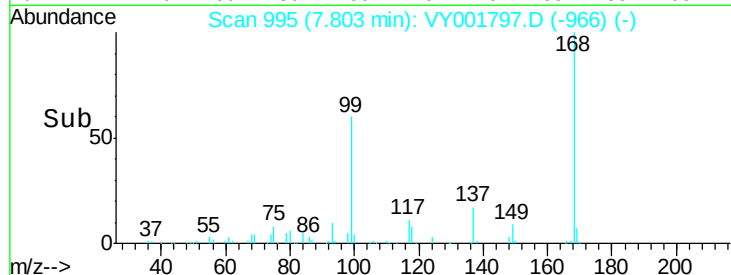
121 0.0 23.8 35.6#



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: 53.73 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001797.D

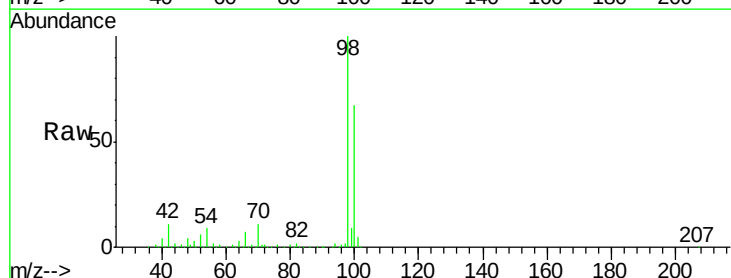
Acq: 28 Feb 2020 12:28

Tgt Ion: 98 Resp: 233707

Ion Ratio Lower Upper

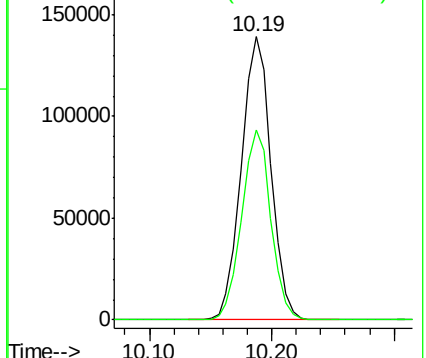
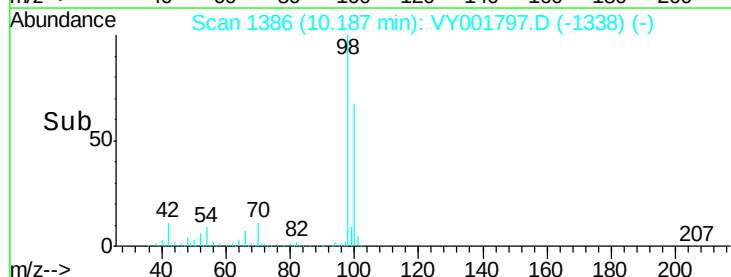
98 100

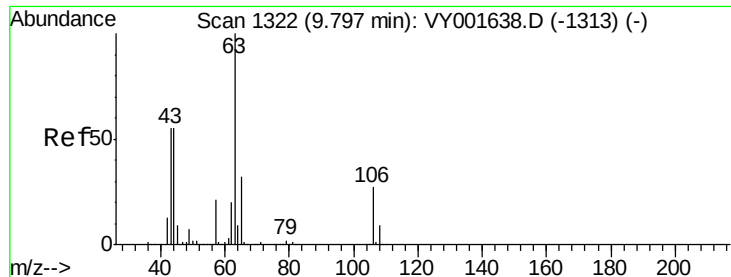
100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

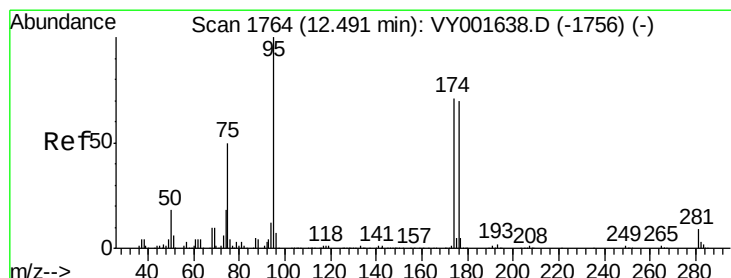
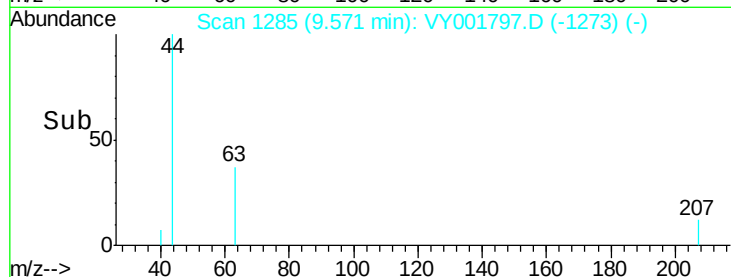
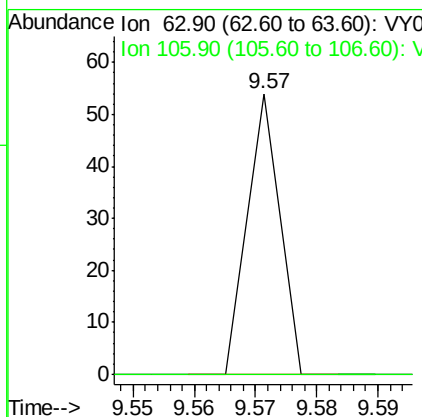
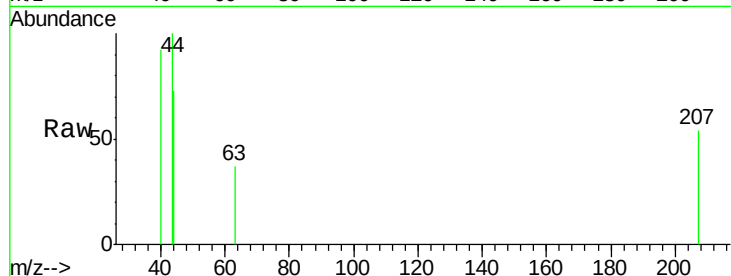




#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.57 min Scan# 1285
 Delta R.T. -0.22 min
 Lab File: VY001797.D
 Acq: 28 Feb 2020 12:28

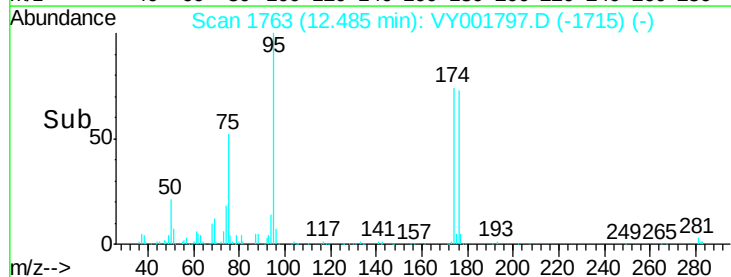
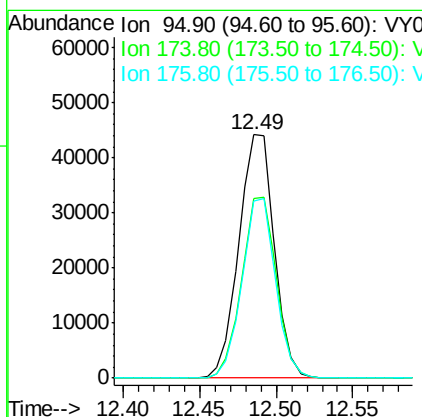
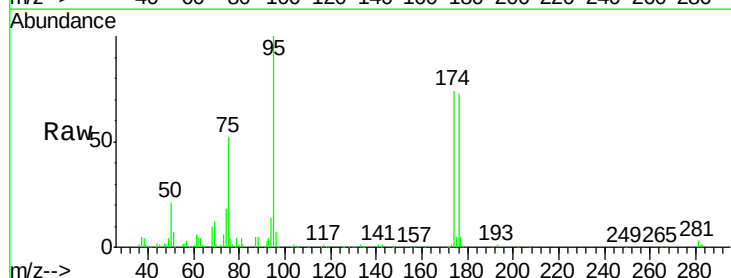
Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-(1.5-2)

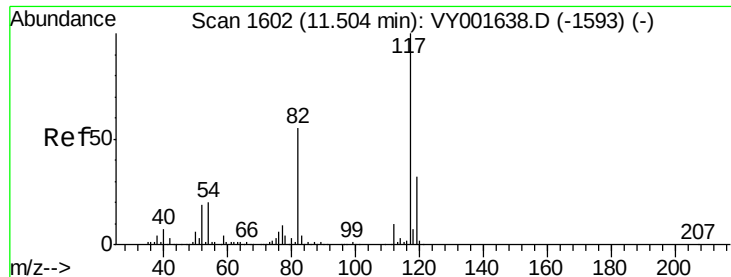
Tgt Ion: 63 Resp: 20
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.6 32.4#



#62
 4-Bromofluorobenzene
 Concen: 41.99 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001797.D
 Acq: 28 Feb 2020 12:28

Tgt Ion: 95 Resp: 70949
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 138.4
 176 70.0 0.0 131.8

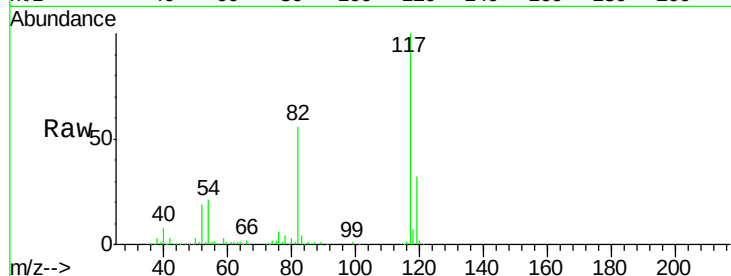




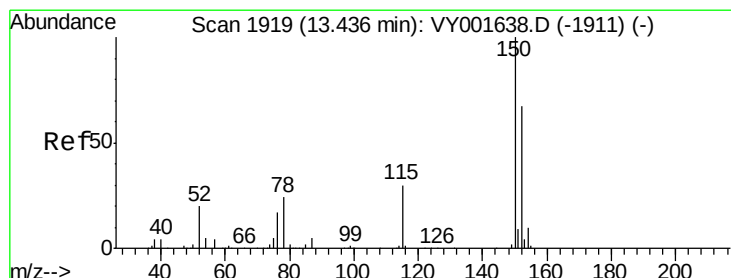
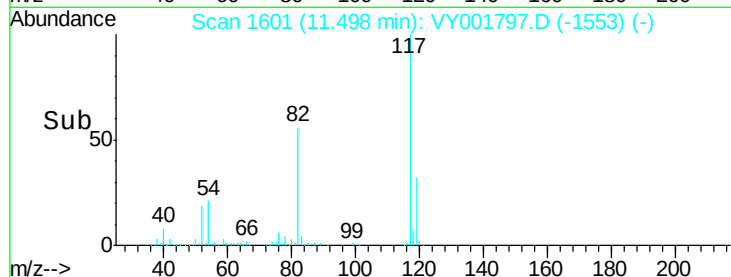
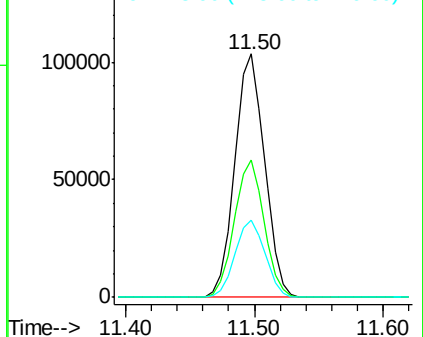
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001797.D
Acq: 28 Feb 2020 12:28

Instrument :
MSVOA_Y
ClientSampled :
B2-(1.5-2)

Tgt Ion:117 Resp: 166216
Ion Ratio Lower Upper
117 100
82 56.2 45.5 68.3
119 31.9 25.8 38.6

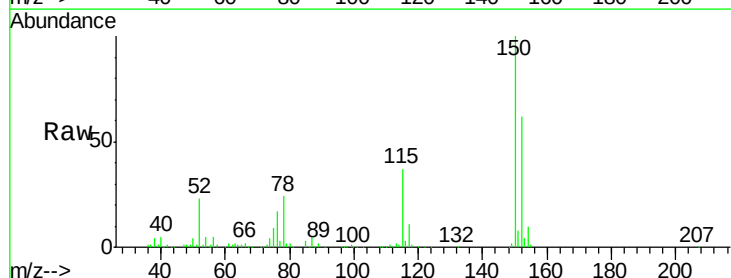


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

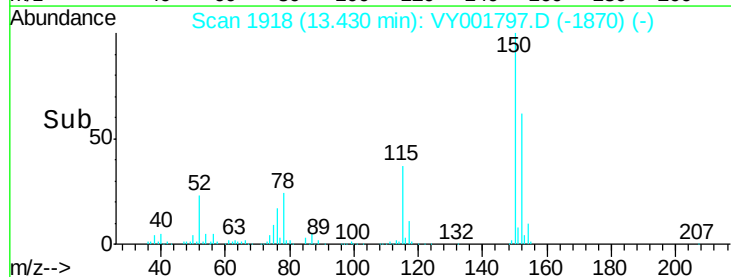
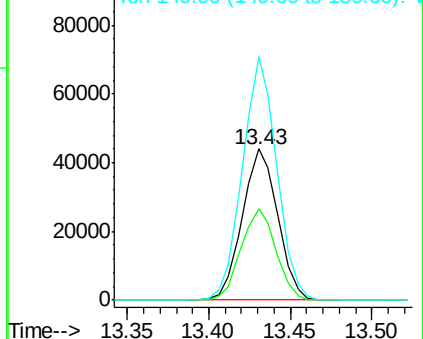


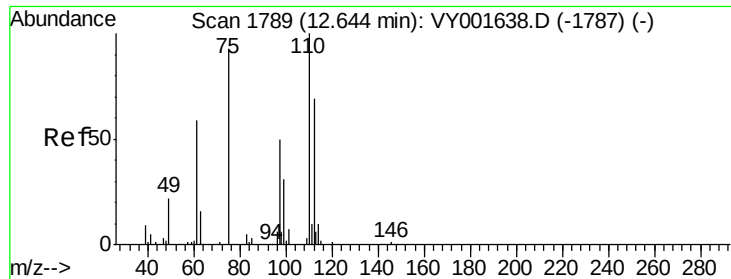
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001797.D
Acq: 28 Feb 2020 12:28

Tgt Ion:152 Resp: 66323
Ion Ratio Lower Upper
152 100
115 59.6 31.4 94.2
150 156.3 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: 47.46 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

Instrument :

MSVOA_Y

ClientSampled :

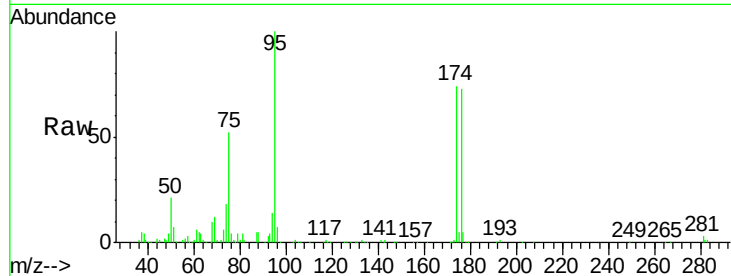
B2-(1.5-2)

Tgt Ion: 75 Resp: 36111

Ion Ratio Lower Upper

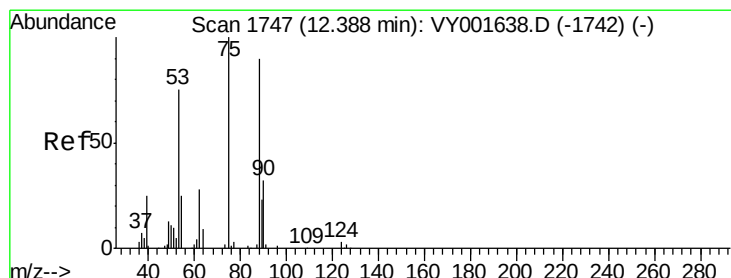
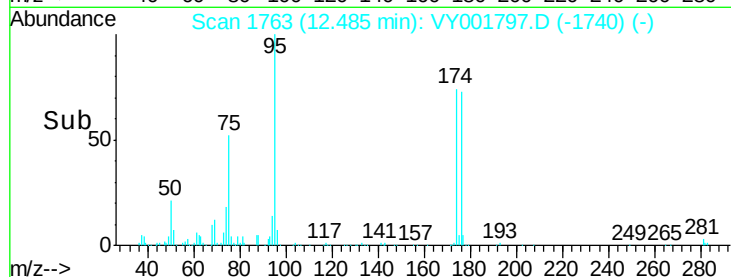
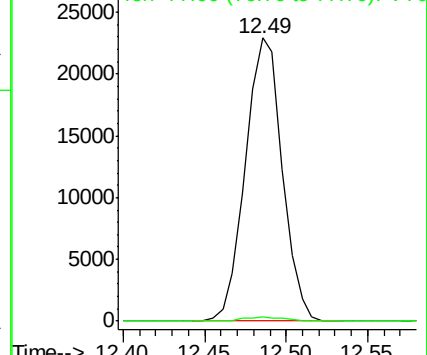
75 100

77 1.5 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: 90.05 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001797.D

Acq: 28 Feb 2020 12:28

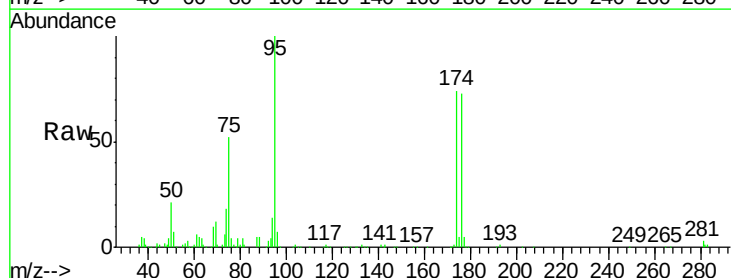
Tgt Ion: 75 Resp: 36111

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 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

