

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002082.D
 Acq On : 25 Mar 2020 20:58
 Operator : SY/MD
 Sample : L2040-04
 Misc : 6.24G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:38:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	128247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	245871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	227357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	98909	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	80437	58.75	ug/l	0.00
Spiked Amount			Recovery	=	117.50%	
35) Dibromofluoromethane	7.75	113	73818	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
50) Toluene-d8	10.20	98	303126	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.50	95	103044	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	

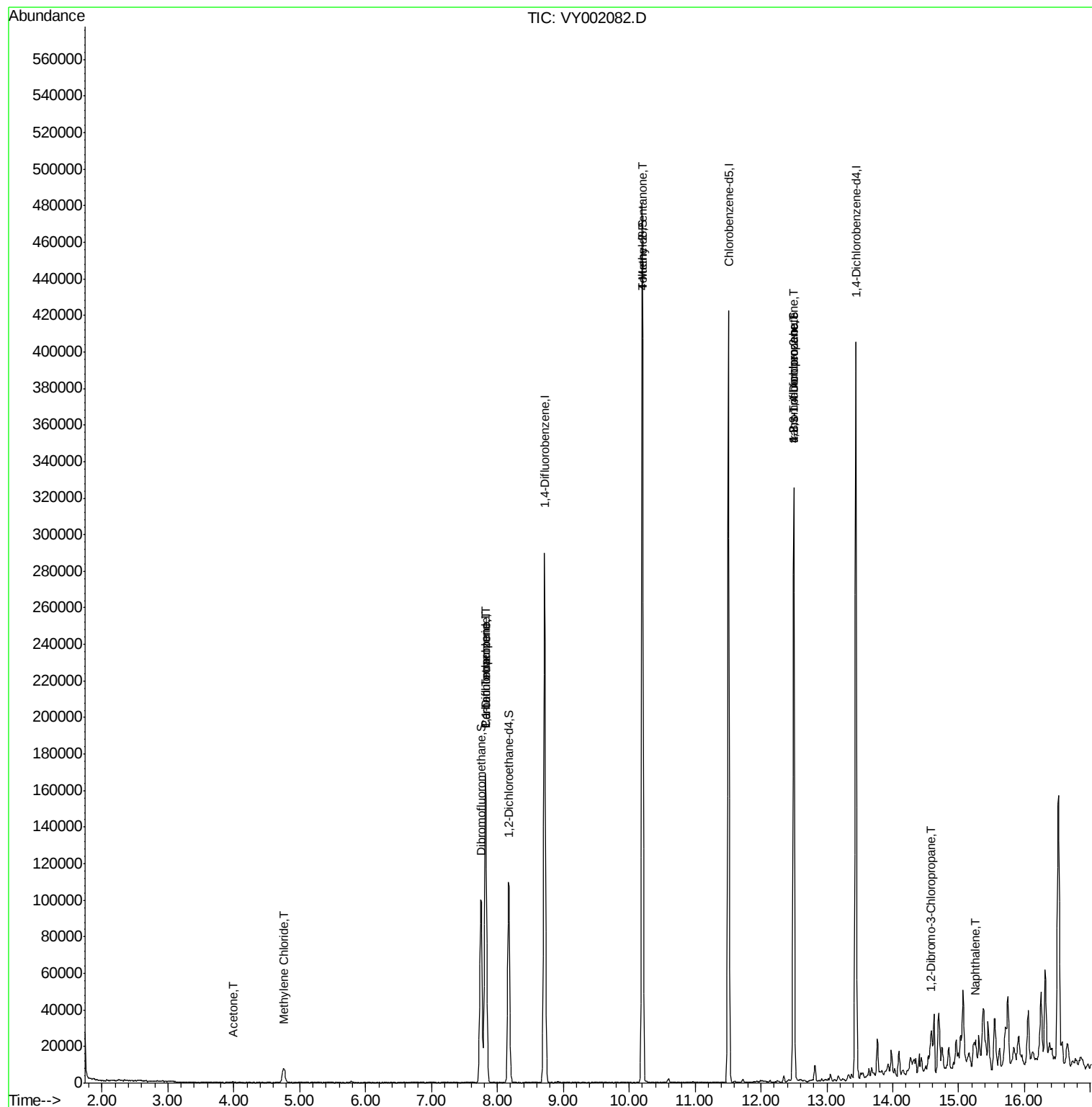
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	206	Below Cal	#	74
16) Acetone	3.99	43	871	2.184	ug/l #	84
20) Methylene Chloride	4.75	84	5803	3.395	ug/l	96
36) 1,1-Dichloropropene	7.82	75	10749	4.543	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12911	6.388	ug/l #	16
51) 4-Methyl-2-Pentanone	10.20	43	1379	1.028	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	53247	45.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	53247	91.645	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.57	75	1749	6.884	ug/l #	41
95) Naphthalene	15.25	128	5439	1.242	ug/l #	85

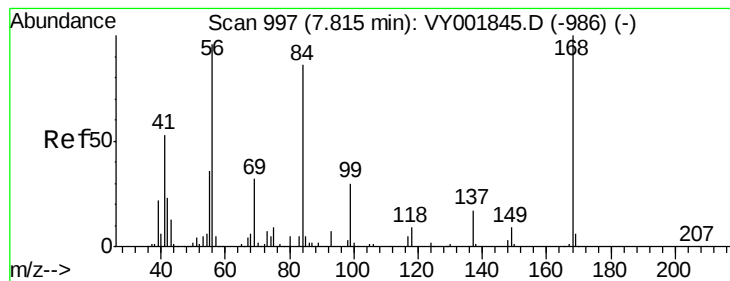
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
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Acq On : 25 Mar 2020 20:58
Operator : SY/MD
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Quant Time: Mar 26 06:38:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

Instrument :

MSVOA_Y

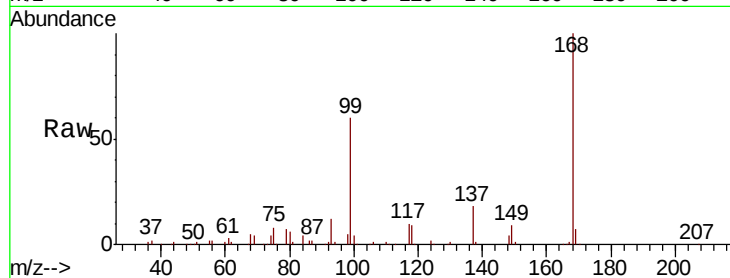
ClientSampleId :

Tot Ion:168 Resp: 128247

Ion Ratio Lower Upper

168 100

99 60.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

60000

50000

40000

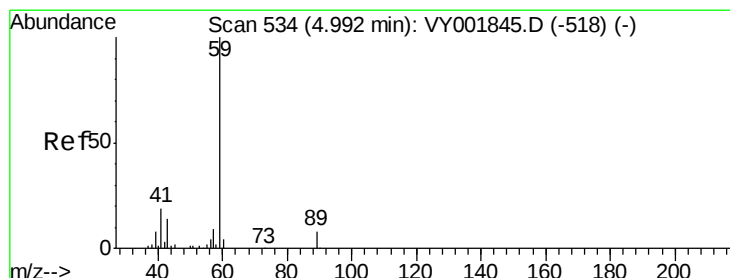
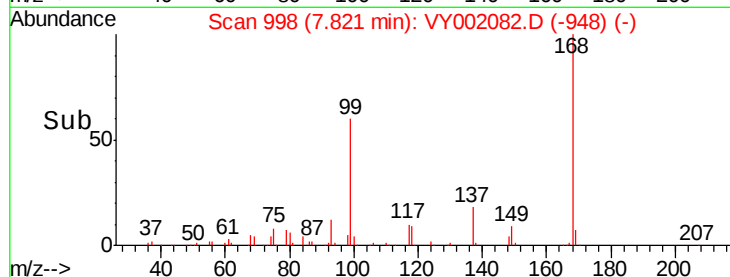
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY002082.D

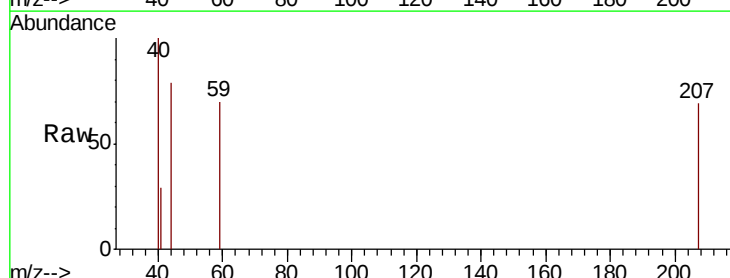
Acq: 25 Mar 2020 20:58

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)

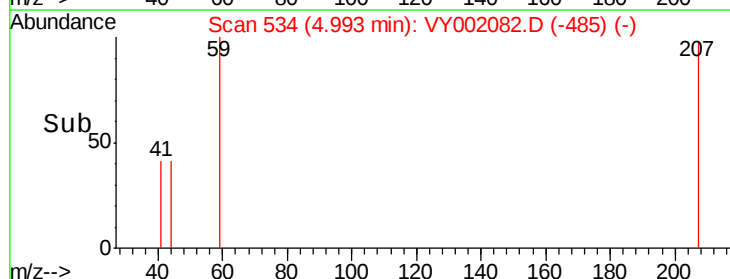
150

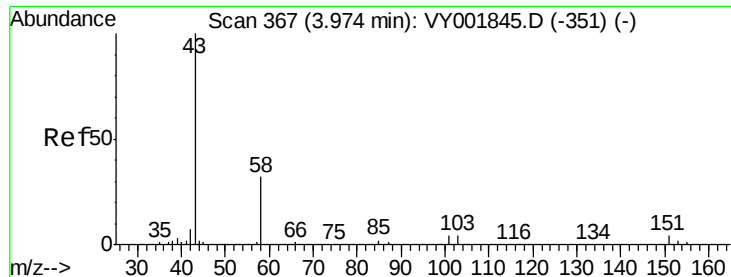
100

50

0

Time-->





#16

Acetone

Concen: 2.184 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

Instrument :

MSVOA_Y

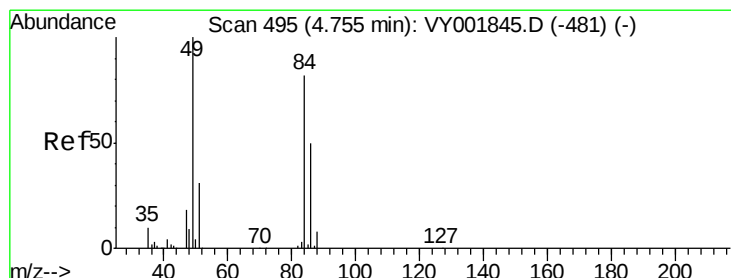
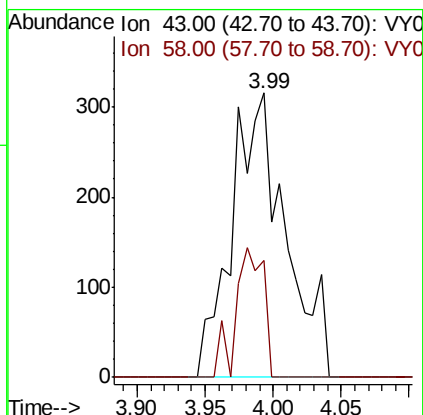
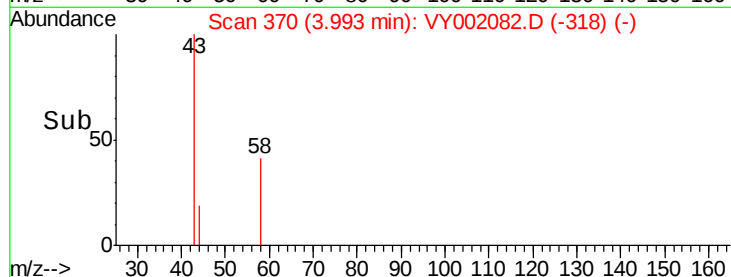
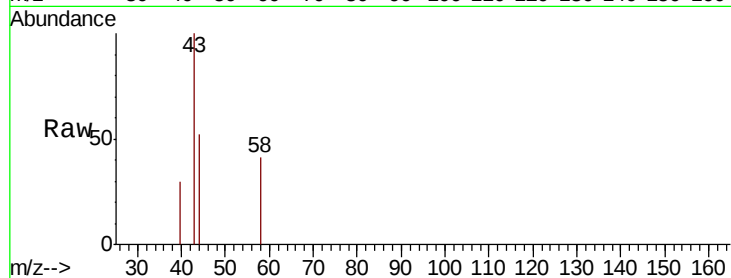
ClientSampleId :

Tot Ion: 43 Resp: 871

Ion Ratio Lower Upper

43 100

58 41.1 25.9 38.9#



#20

Methylene Chloride

Concen: 3.395 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

Tgt Ion: 84 Resp: 5803

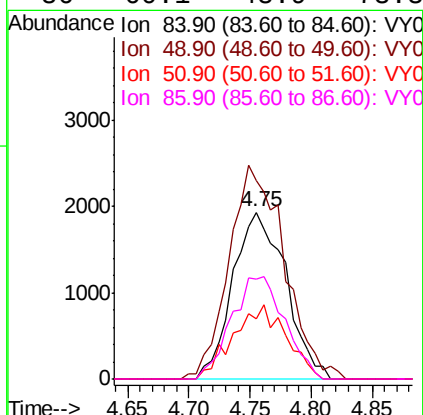
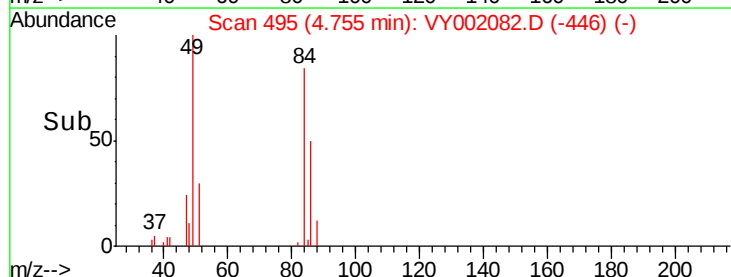
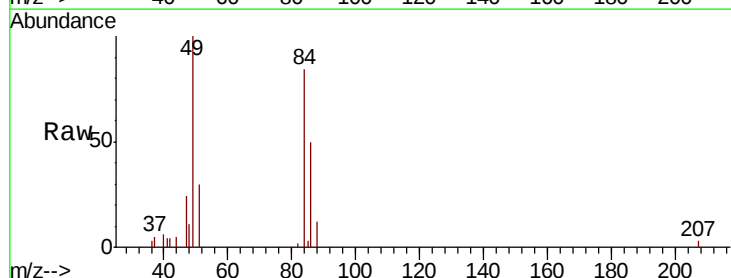
Ion Ratio Lower Upper

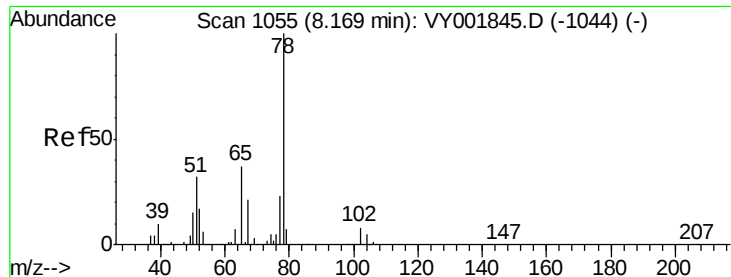
84 100

49 116.3 98.2 147.2

51 36.2 30.2 45.2

86 60.1 48.9 73.3

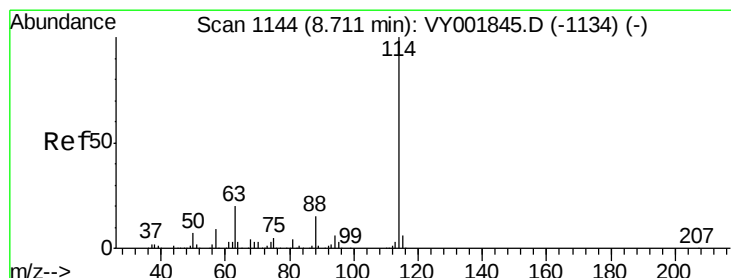
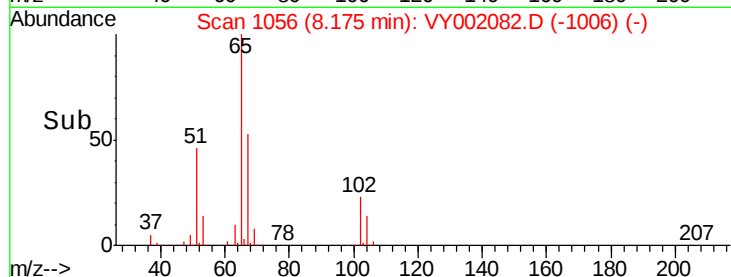
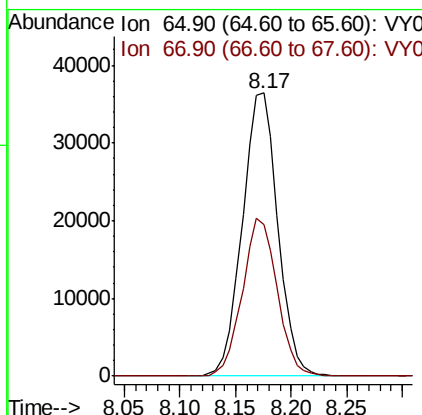
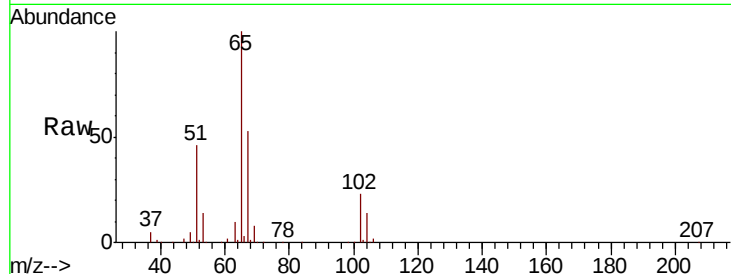




#33
 1,2-Dichloroethane-d4
 Concen: 58.751 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY002082.D
 Acq: 25 Mar 2020 20:58

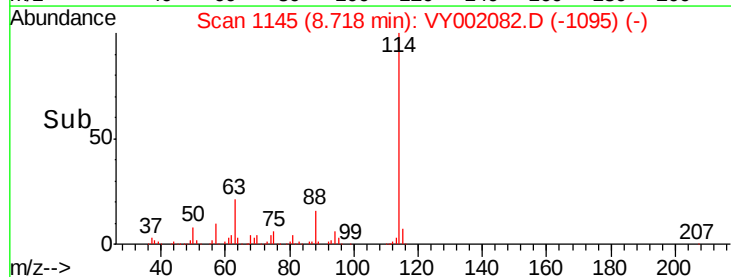
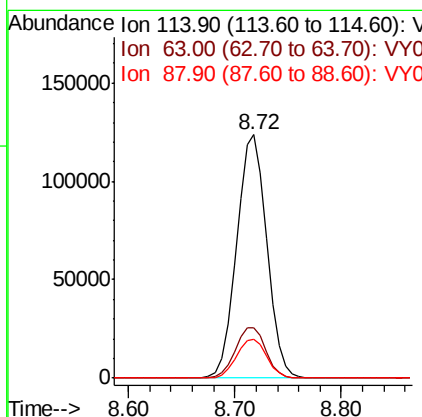
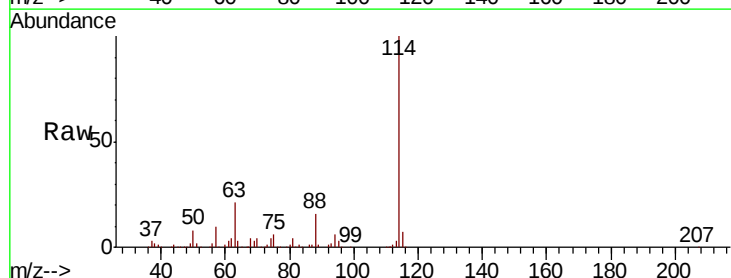
Instrument :
 MSVOA_Y
 ClientSampled :

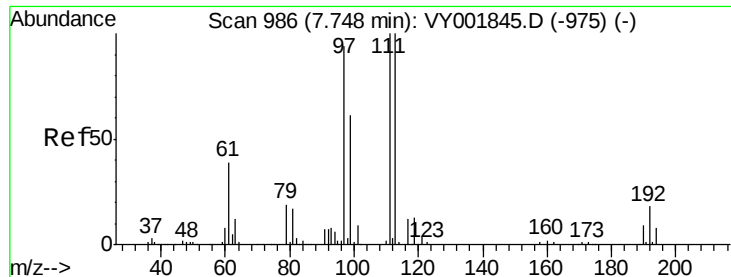
Tot Ion: 65 Resp: 80437
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002082.D
 Acq: 25 Mar 2020 20:58

Tgt Ion: 114 Resp: 245871
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.4
 88 15.7 0.0 30.4

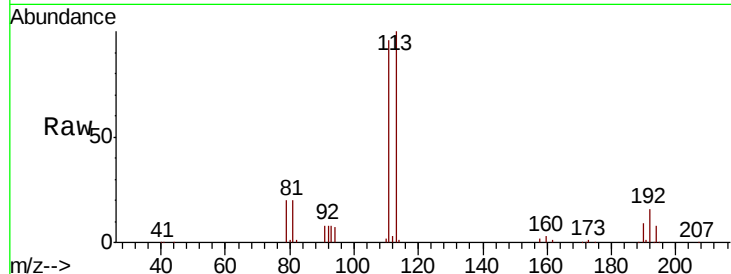




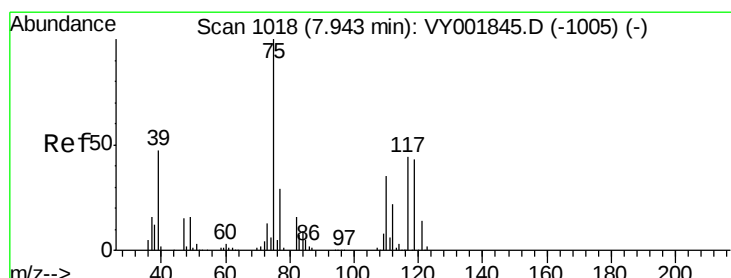
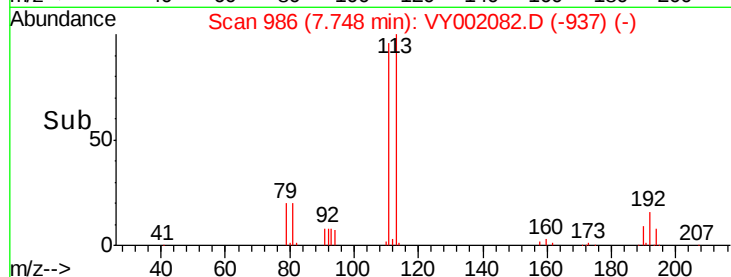
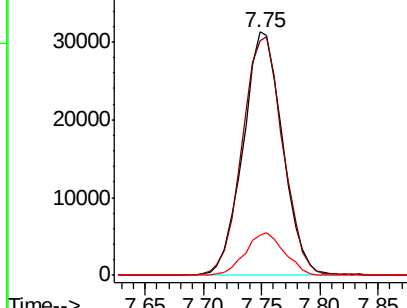
#35
 Dibromofluoromethane
 Concen: 54.983 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002082.D
 Acq: 25 Mar 2020 20:58

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 73818
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.8 122.8
 192 17.4 14.2 21.2

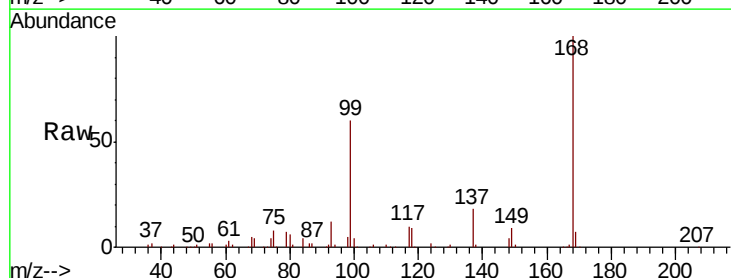


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

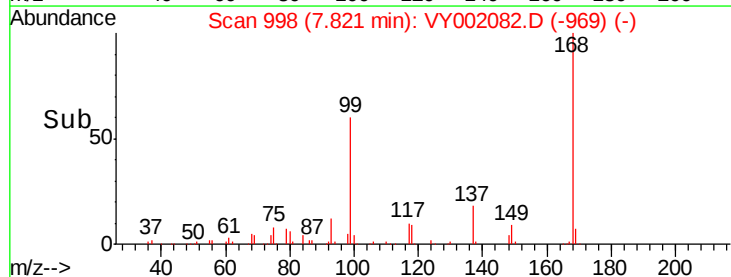
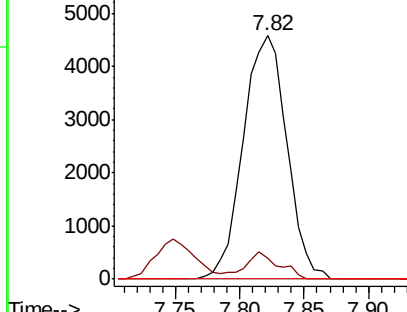


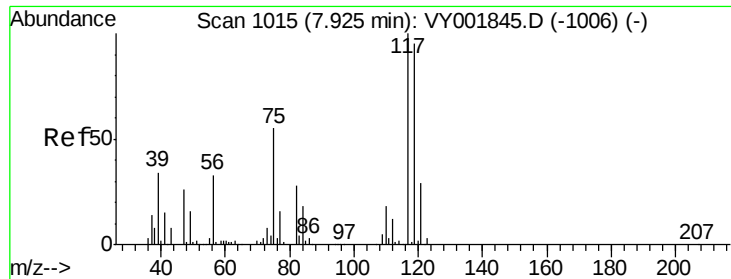
#36
 1,1-Dichloropropene
 Concen: 4.543 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002082.D
 Acq: 25 Mar 2020 20:58

Tgt Ion: 75 Resp: 10749
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.4 52.2#
 77 0.0 24.2 36.2#



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

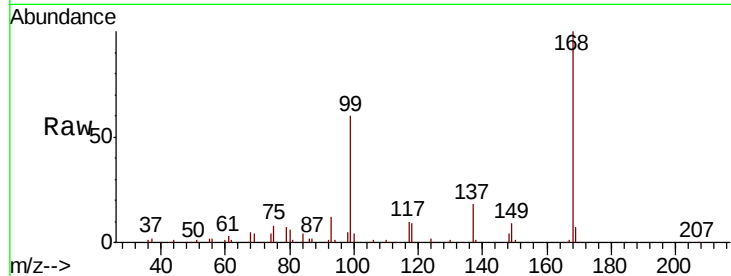




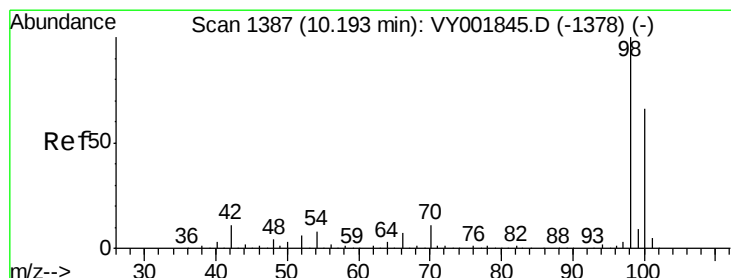
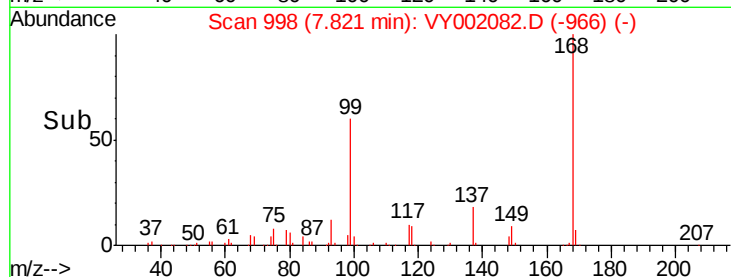
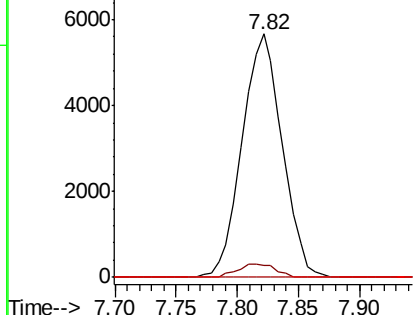
#38
Carbon Tetrachloride
Concen: 6.388 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY002082.D
Acq: 25 Mar 2020 20:58

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 12911
Ion Ratio Lower Upper
117 100
119 4.8 76.3 114.5#
121 0.0 23.5 35.3#

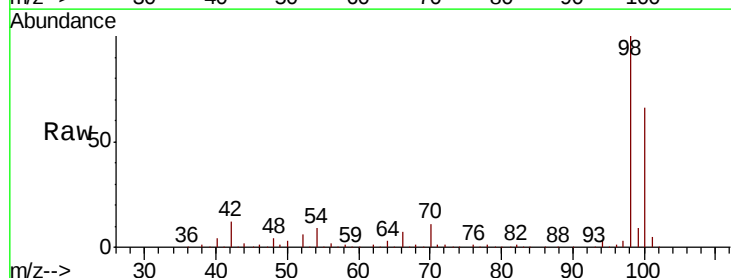


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

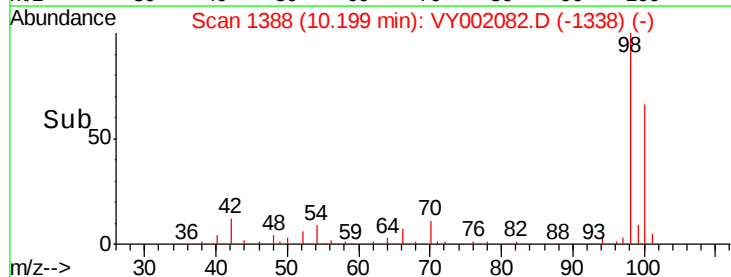
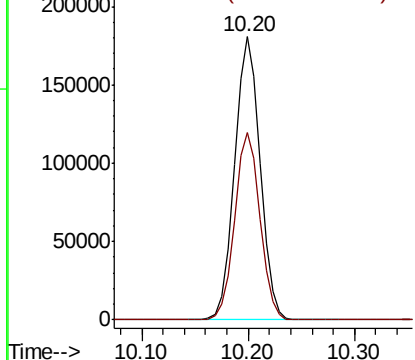


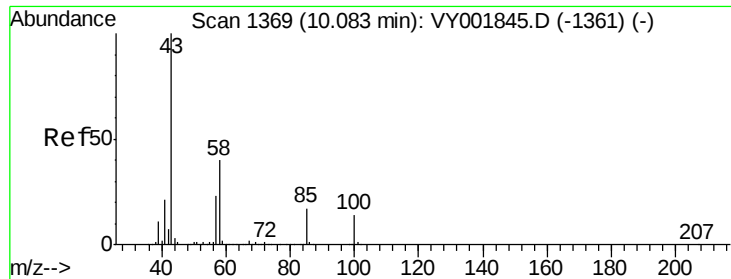
#50
Toluene-d8
Concen: 53.543 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002082.D
Acq: 25 Mar 2020 20:58

Tgt Ion: 98 Resp: 303126
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.028 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

Instrument :

MSVOA_Y

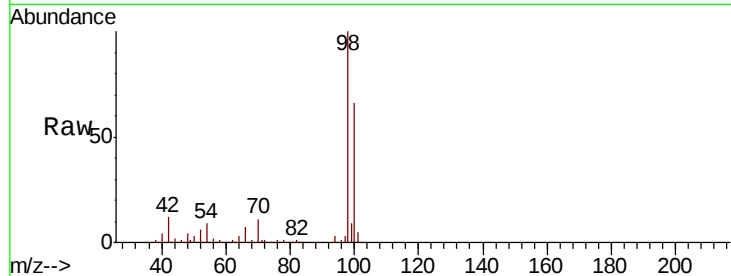
ClientSampleId :

Tot Ion: 43 Resp: 1379

Ion Ratio Lower Upper

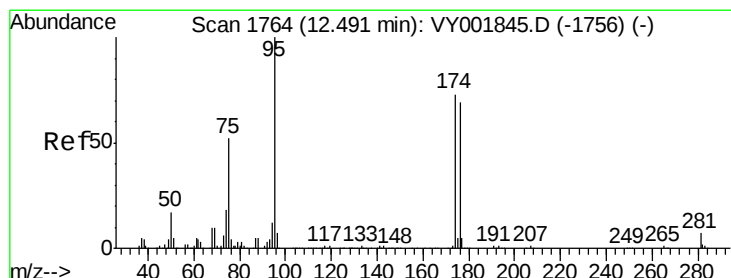
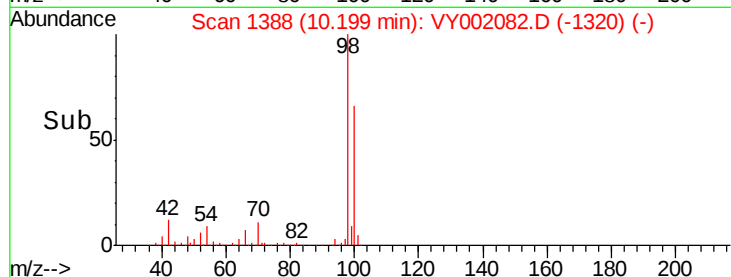
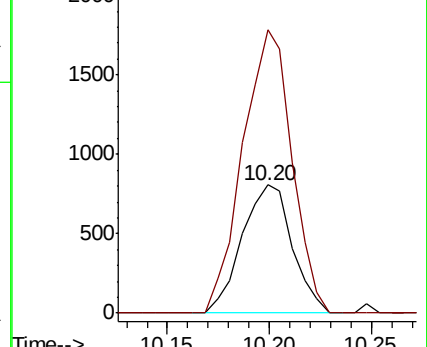
43 100

58 216.4 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 52.346 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

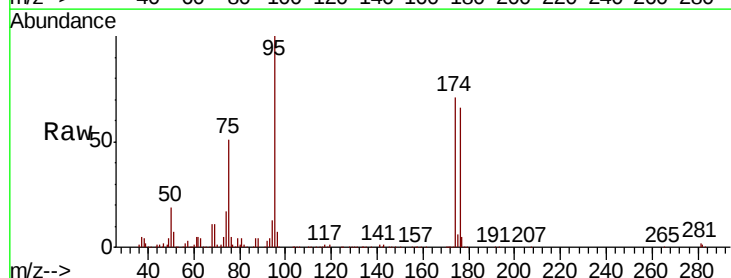
Tgt Ion: 95 Resp: 103044

Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.0

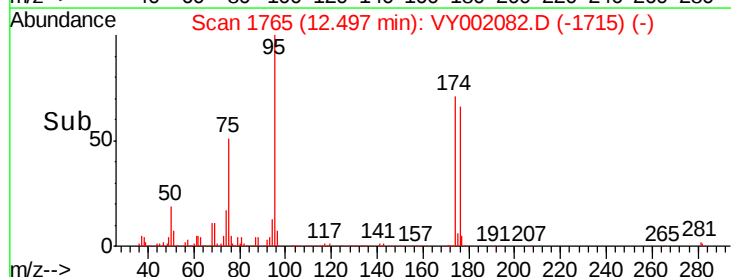
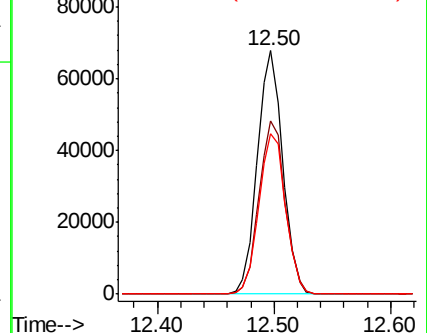
176 69.1 0.0 137.4

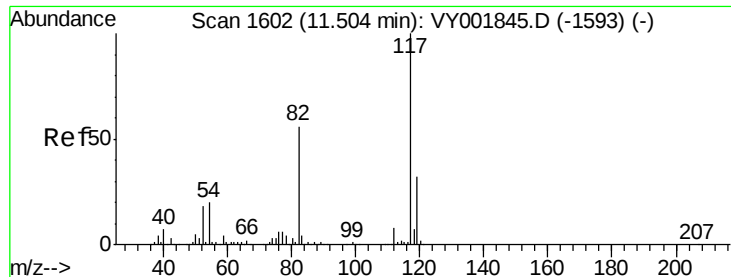


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

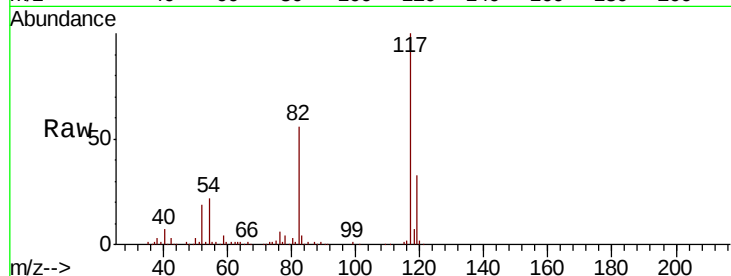




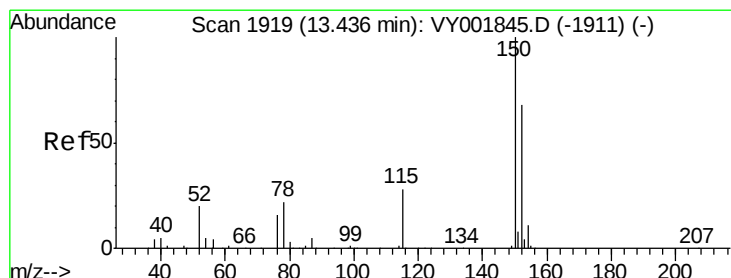
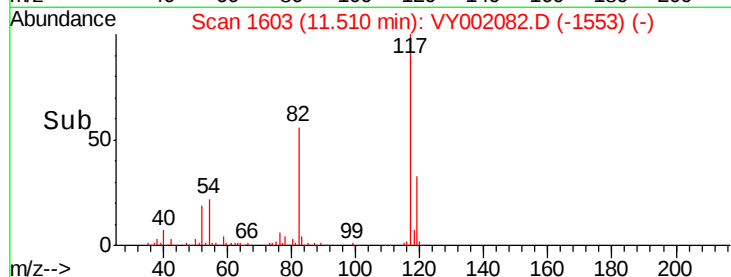
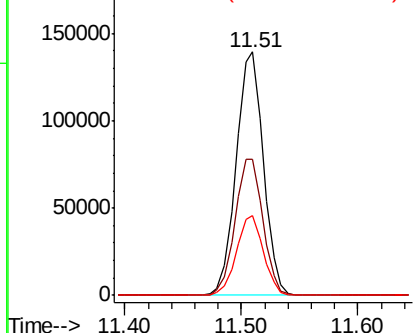
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002082.D
Acq: 25 Mar 2020 20:58

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.5	66.7
119	32.7	25.7	38.5

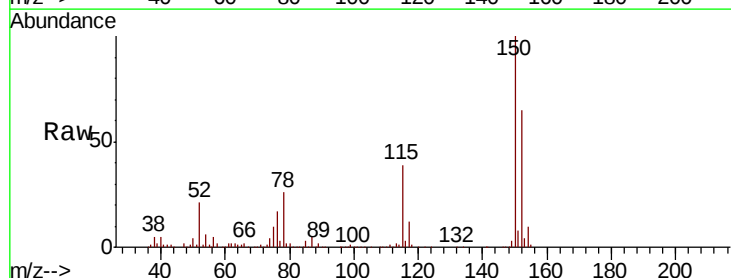


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

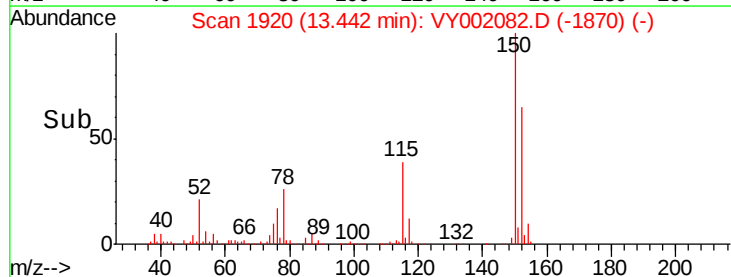
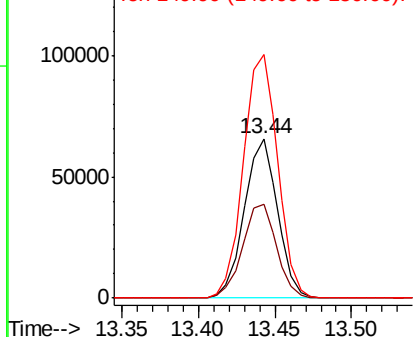


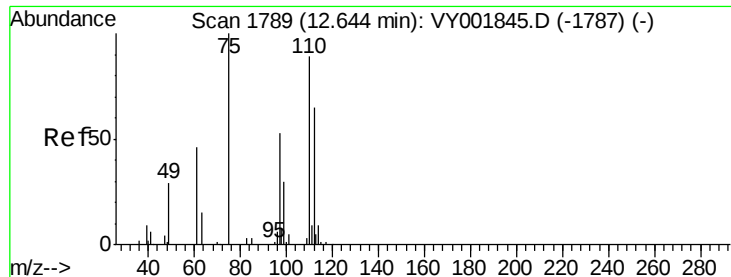
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY002082.D
Acq: 25 Mar 2020 20:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.9	89.7
150	158.3	0.0	340.6



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: 45.370 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

Instrument :

MSVOA_Y

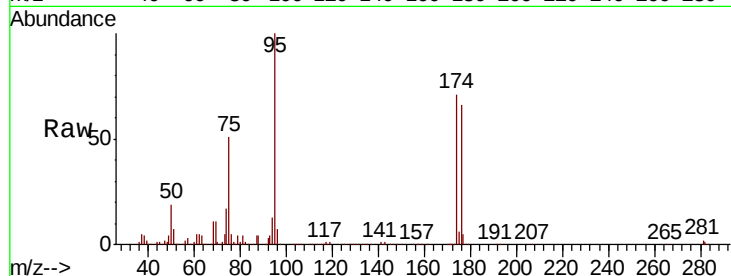
ClientSampleId :

Tot Ion: 75 Resp: 53247

Ion Ratio Lower Upper

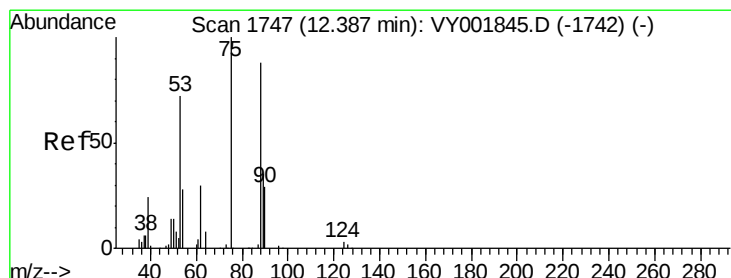
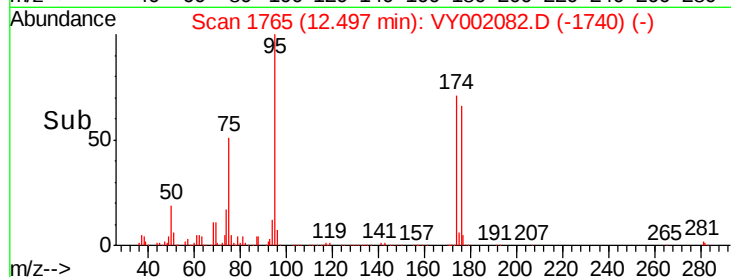
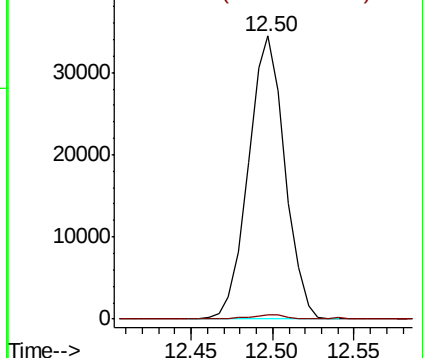
75 100

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: 91.645 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

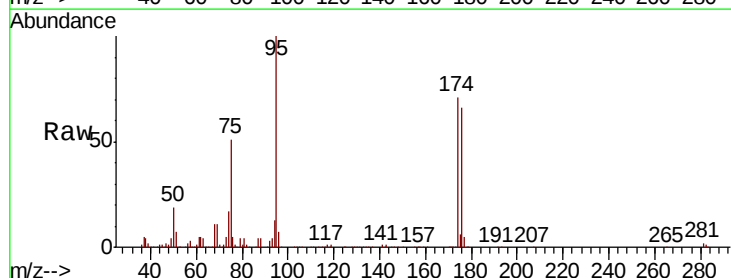
Tgt Ion: 75 Resp: 53247

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

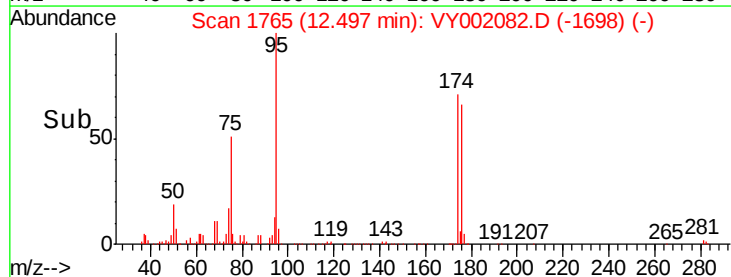
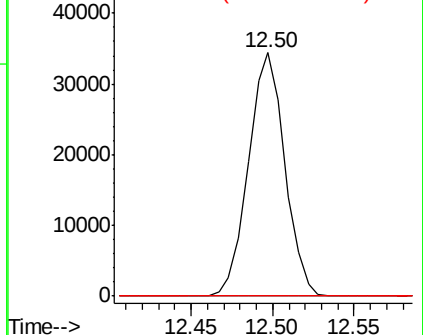
89 0.0 36.0 54.0#

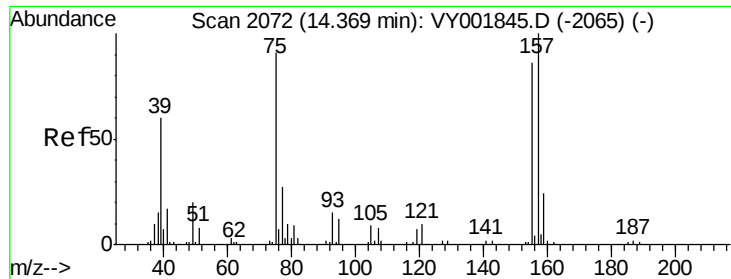


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.884 ug/l

RT: 14.57 min Scan# 2105

Delta R.T. 0.20 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

Instrument :

MSVOA_Y

ClientSampled :

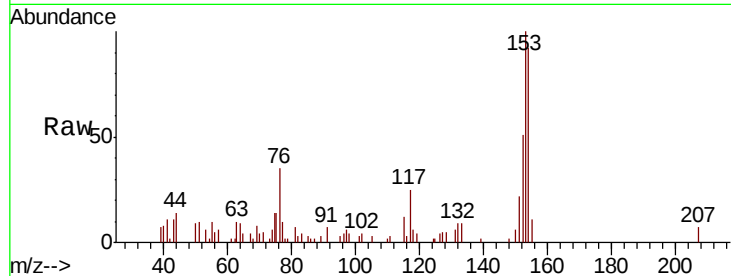
Tot Ion: 75 Resp: 1749

Ion Ratio Lower Upper

75 100

155 89.6 42.9 128.7

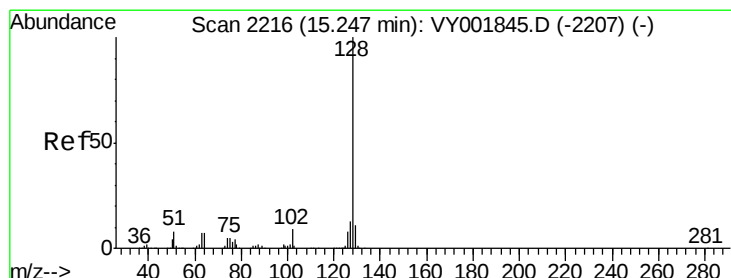
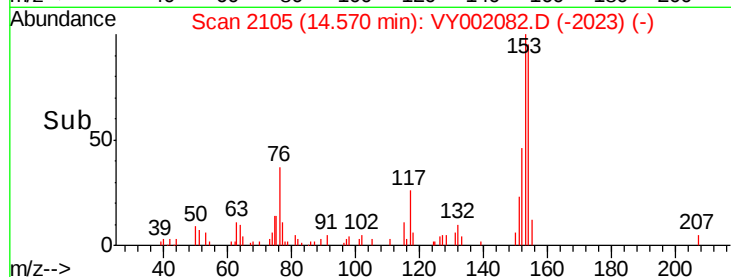
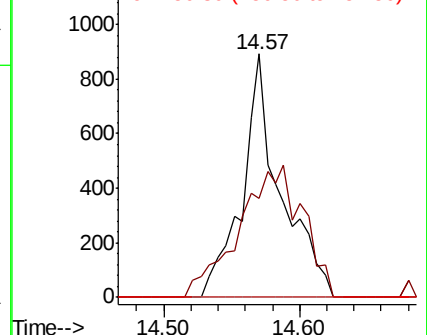
157 0.0 53.1 159.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1.242 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY002082.D

Acq: 25 Mar 2020 20:58

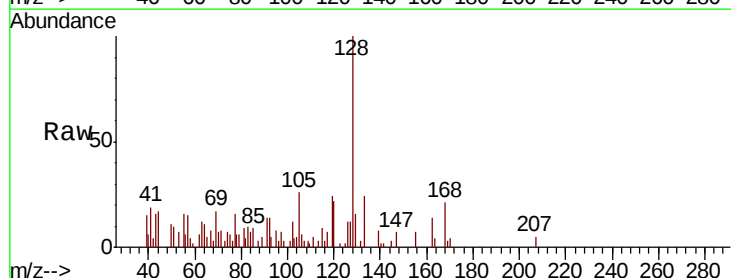
Tgt Ion: 128 Resp: 5439

Ion Ratio Lower Upper

128 100

127 17.0 10.1 15.1#

129 17.8 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

