

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002318.D
 Acq On : 14 Apr 2020 18:47
 Operator : SY/MD
 Sample : L2230-19RE
 Misc : 5.66G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:37:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	138961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	281759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	243989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	89735	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	82917	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
35) Dibromofluoromethane	7.74	113	82894	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	10.19	98	334354	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.49	95	101080	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

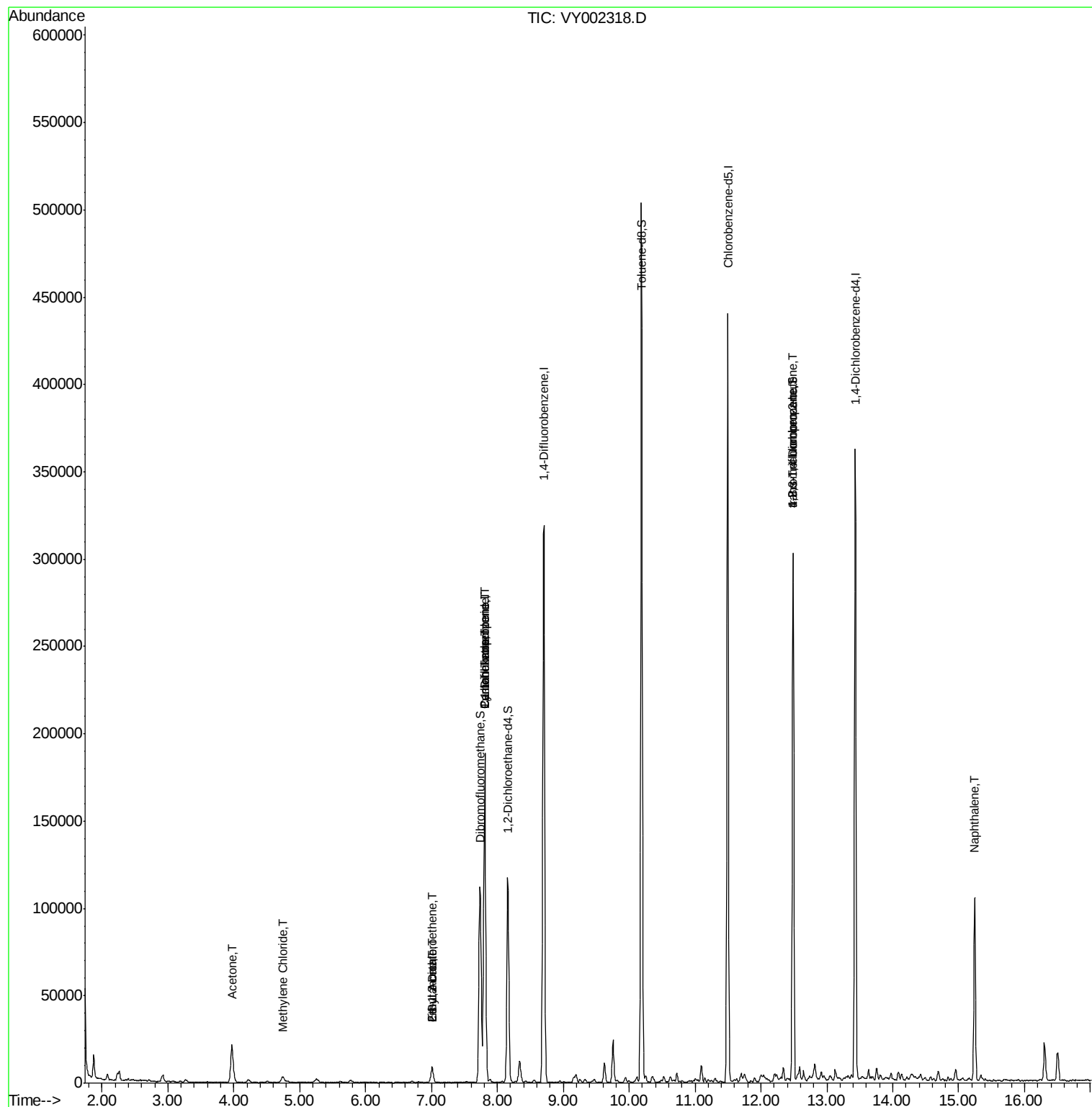
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	48	Below Cal	#	77
16) Acetone	3.97	43	36651	90.048	ug/l	99
20) Methylene Chloride	4.75	84	2290	1.145	ug/l #	92
25) 2-Butanone	7.02	43	2074	3.220	ug/l #	74
27) cis-1,2-Dichloroethene	7.00	96	4765	2.321	ug/l	86
31) Cyclohexane	7.80	56	3424	1.052	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11766	4.240	ug/l #	49
37) Ethyl Acetate	7.02	43	2074	1.308	ug/l #	1
38) Carbon Tetrachloride	7.81	117	14215	5.988	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	48356	46.406	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	48356	90.259	ug/l #	19
95) Naphthalene	15.24	128	90943	23.265	ug/l	99

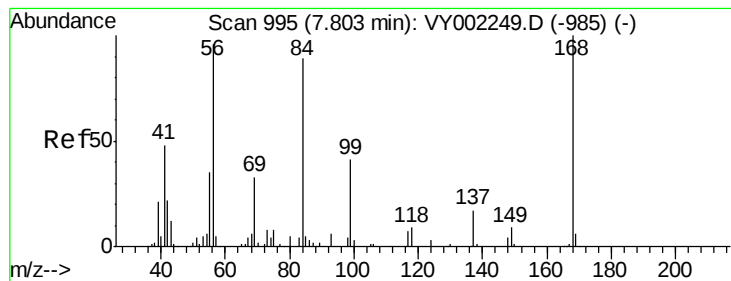
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

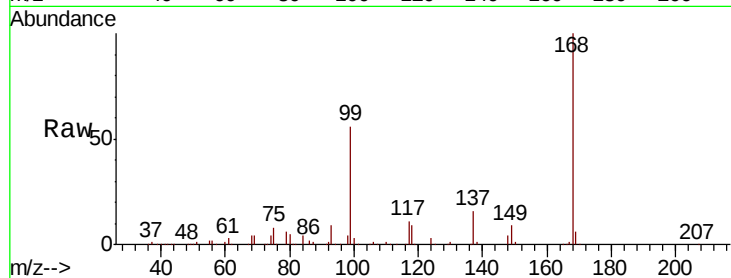
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 138961

Ion Ratio Lower Upper

168 100

99 56.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

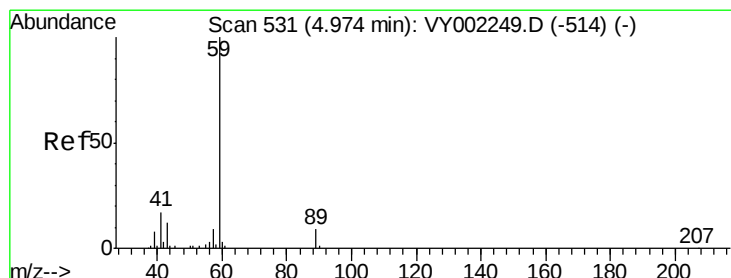
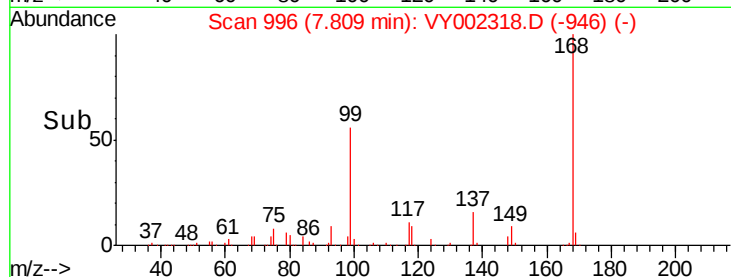
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.02 min

Lab File: VY002318.D

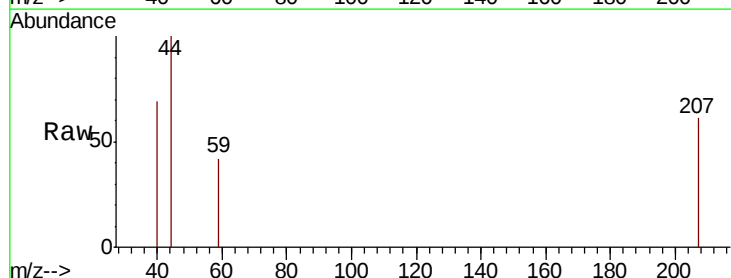
Acq: 14 Apr 2020 18:47

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.99

80

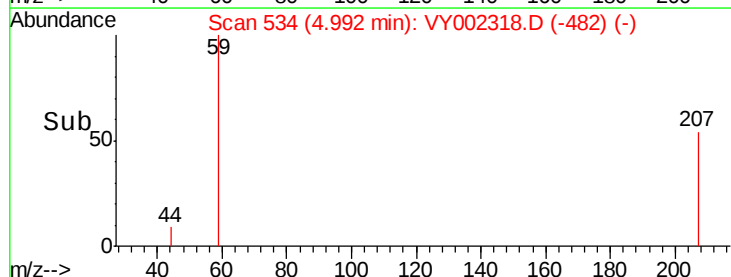
60

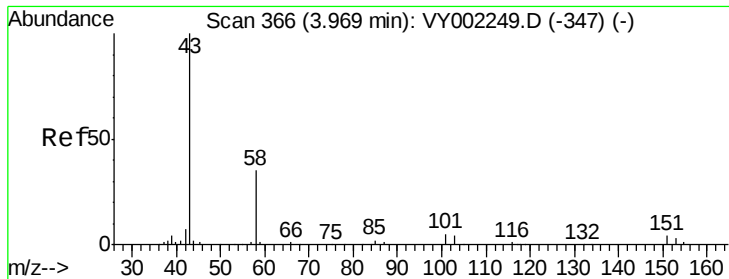
40

20

0

Time-->





#16

Acetone

Concen: 90.048 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

Instrument :

MSVOA_Y

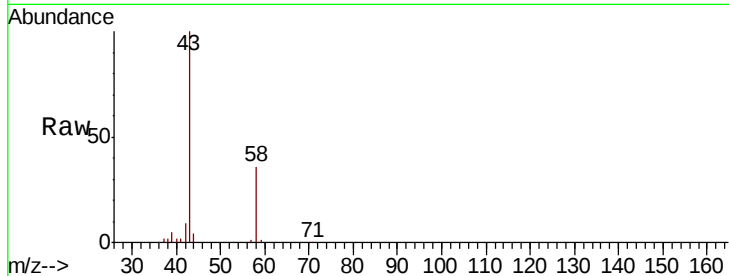
ClientSampled :

Tot Ion: 43 Resp: 36651

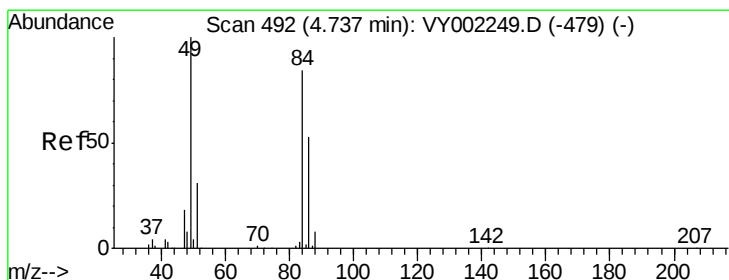
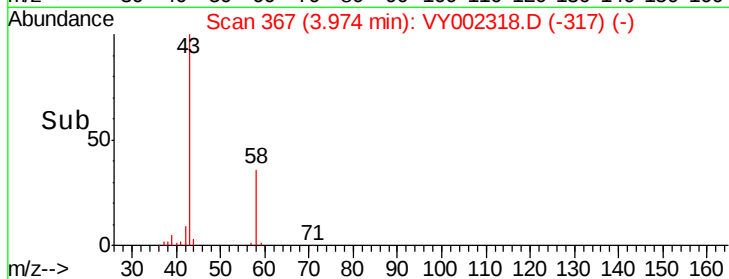
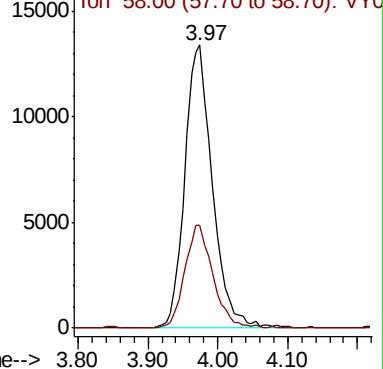
Ion Ratio Lower Upper

43 100

58 36.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)



#20

Methylene Chloride

Concen: 1.145 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

Tgt Ion: 84 Resp: 2290

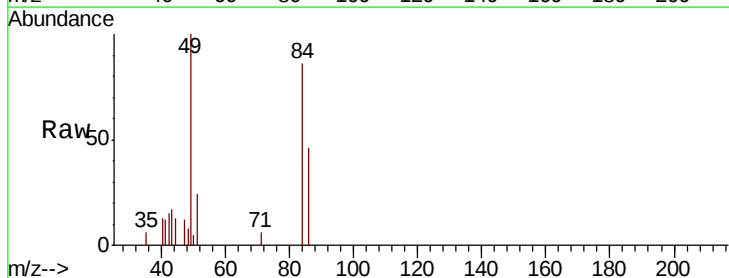
Ion Ratio Lower Upper

84 100

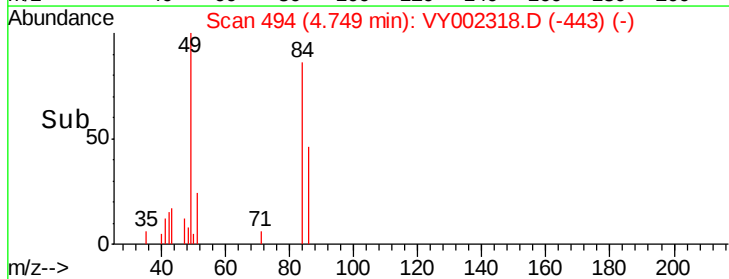
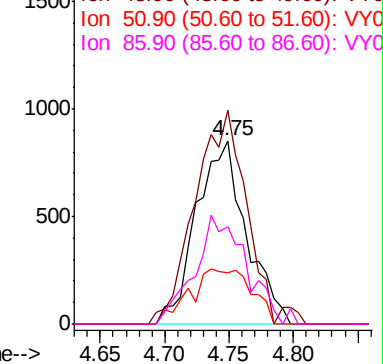
49 116.3 95.5 143.3

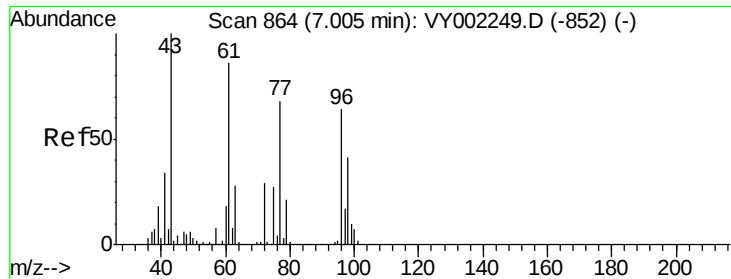
51 27.6 29.5 44.3#

86 53.0 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)





#25

2-Butanone

Concen: 3.220 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

Instrument :

MSVOA_Y

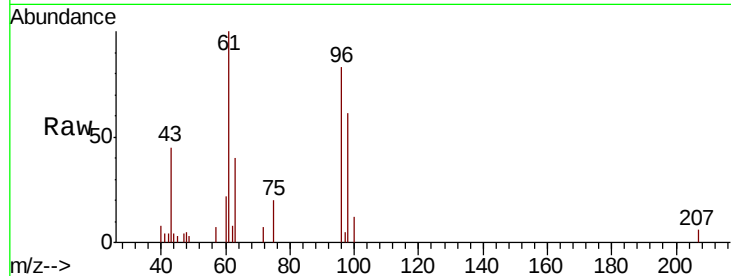
ClientSampleId :

Tot Ion: 43 Resp: 2074

Ion Ratio Lower Upper

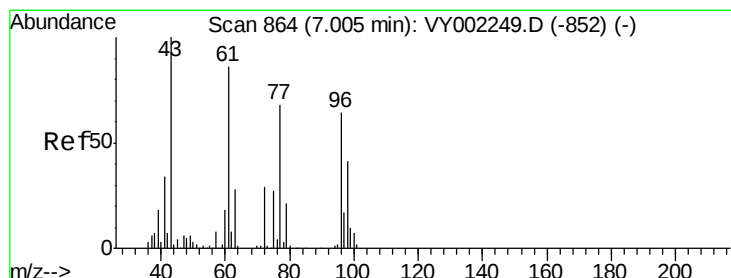
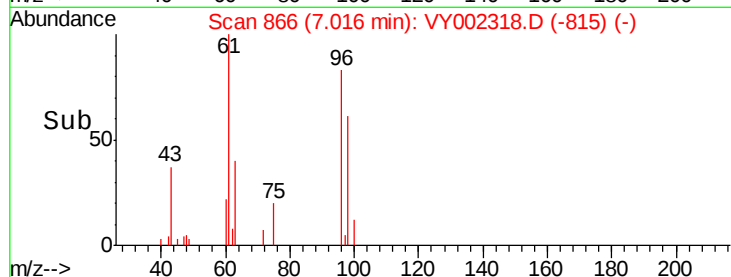
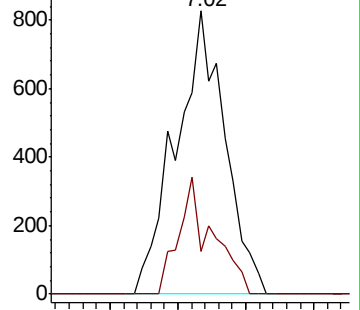
43 100

72 15.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#27

cis-1,2-Dichloroethene

Concen: 2.321 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

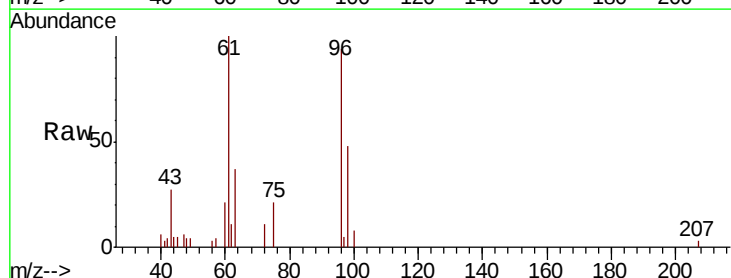
Tgt Ion: 96 Resp: 4765

Ion Ratio Lower Upper

96 100

61 115.6 0.0 278.0

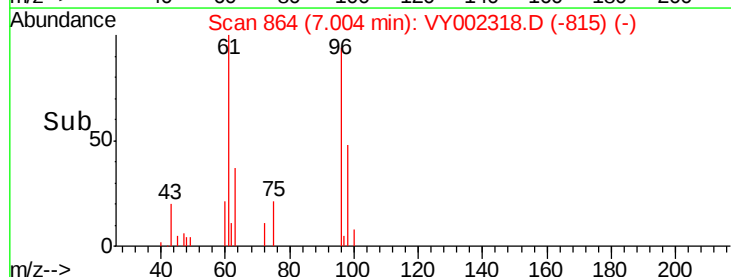
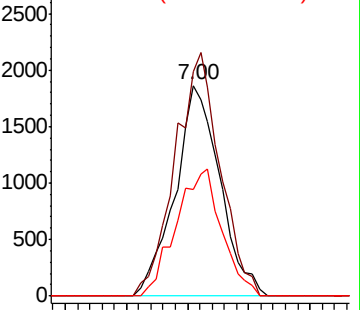
98 61.5 0.0 128.6

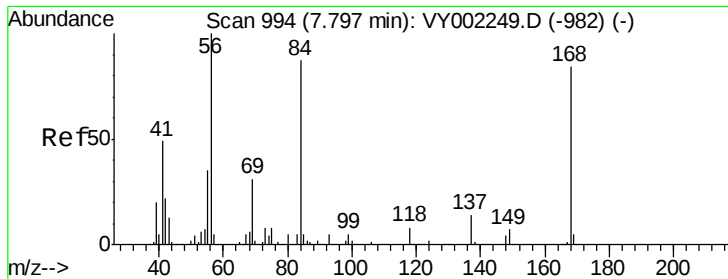


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

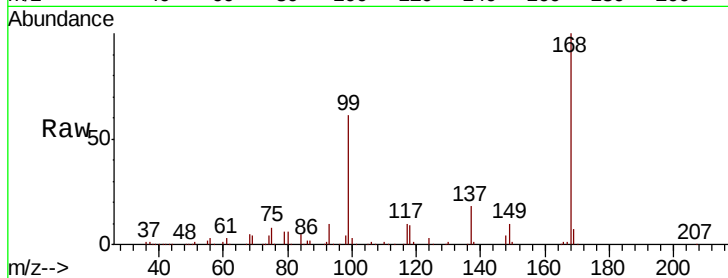




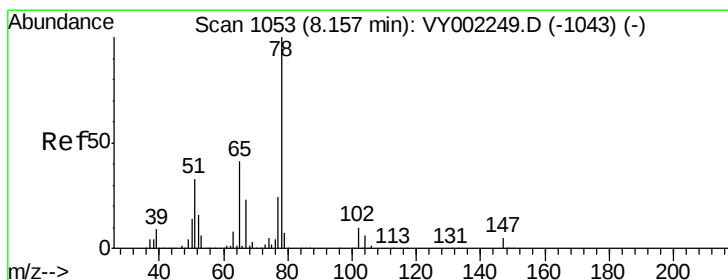
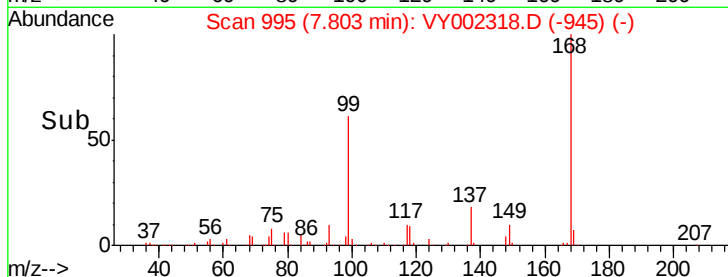
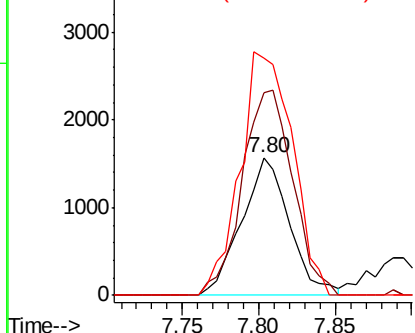
#31
Cyclohexane
Concen: 1.052 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002318.D
Acq: 14 Apr 2020 18:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3424
Ion Ratio Lower Upper
56 100
69 147.3 25.0 37.6#
84 172.1 69.7 104.5#

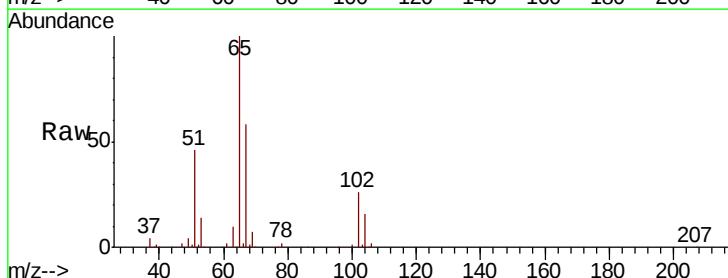


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

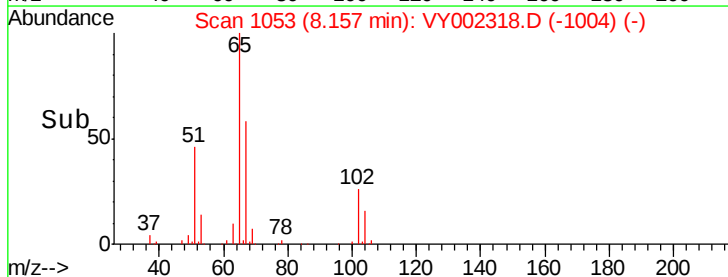
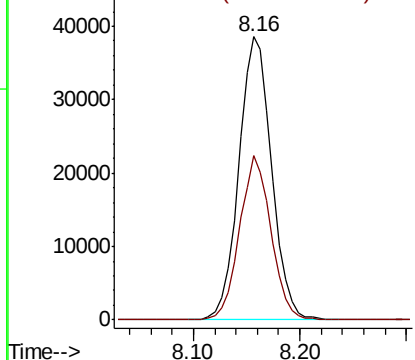


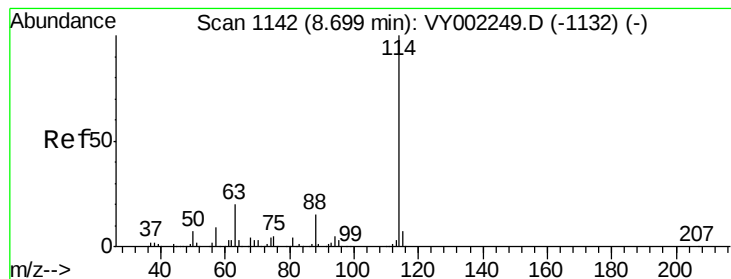
#33
1,2-Dichloroethane-d4
Concen: 53.656 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY002318.D
Acq: 14 Apr 2020 18:47

Tgt Ion: 65 Resp: 82917
Ion Ratio Lower Upper
65 100
67 55.8 0.0 114.0



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: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

Instrument :

MSVOA_Y

ClientSampleId :

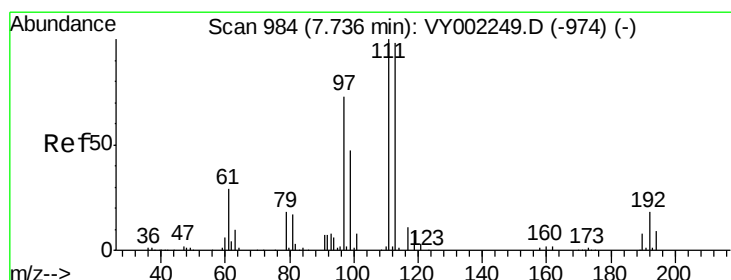
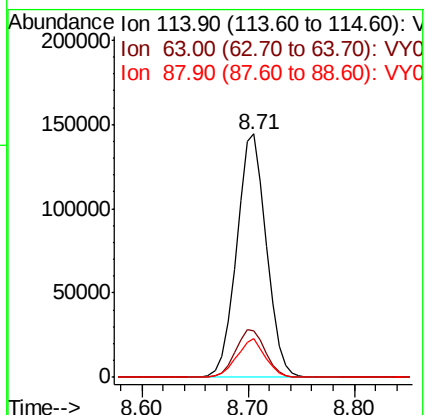
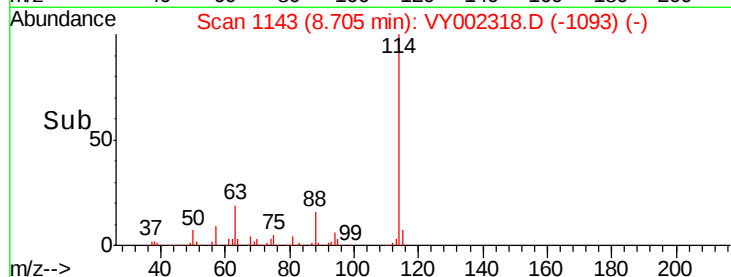
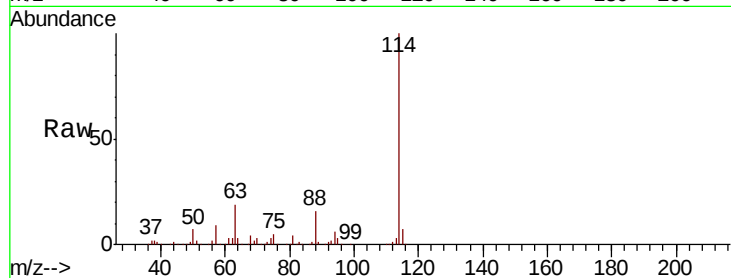
Tot Ion:114 Resp: 281759

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

88 15.8 0.0 31.0



#35

Dibromofluoromethane

Concen: 49.443 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

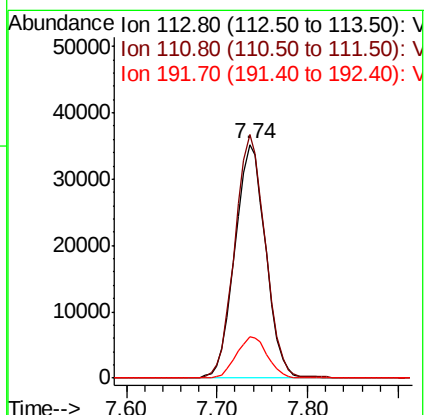
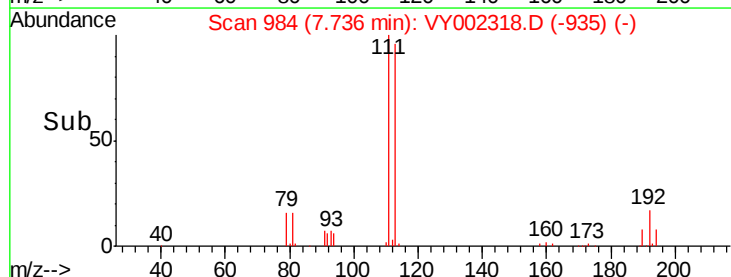
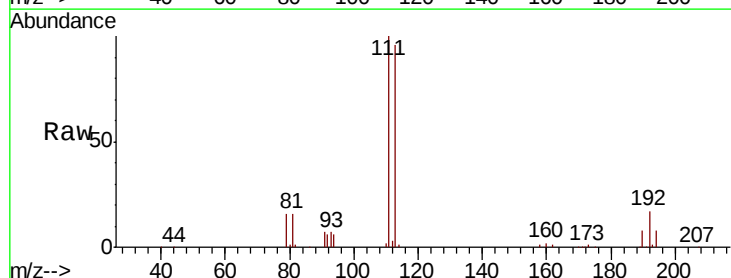
Tgt Ion:113 Resp: 82894

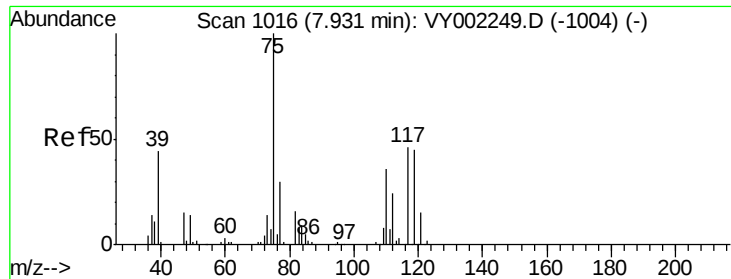
Ion Ratio Lower Upper

113 100

111 103.6 83.5 125.3

192 18.0 14.7 22.1

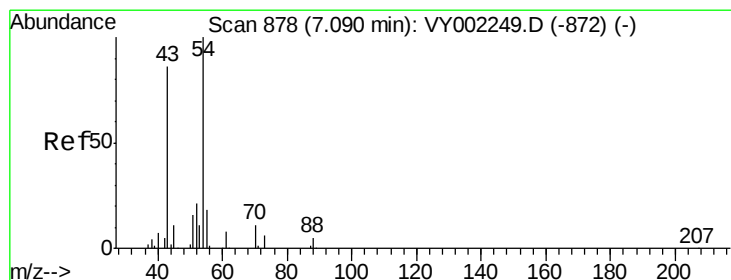
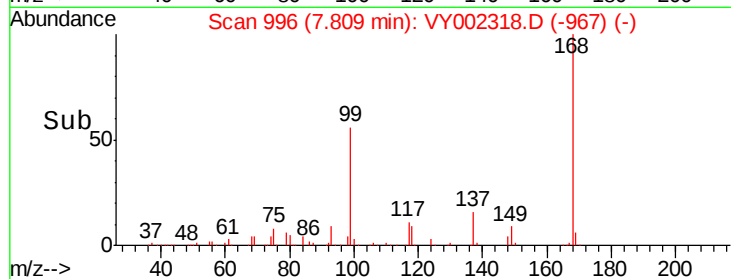
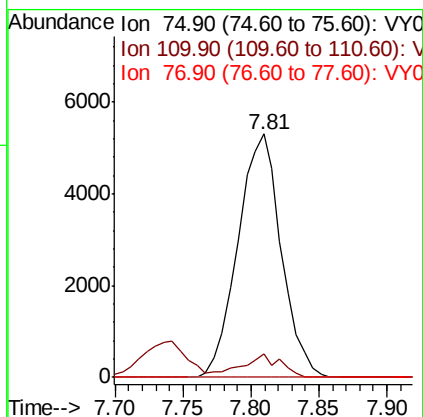
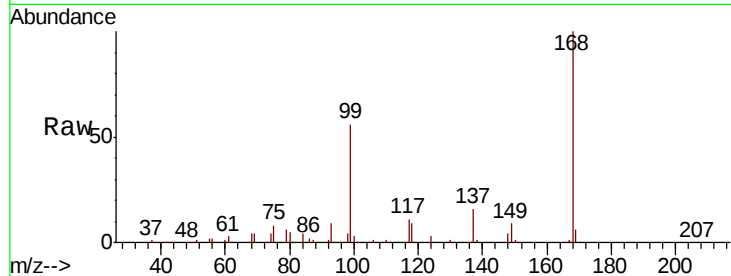




#36
 1,1-Dichloropropene
 Concen: 4.240 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002318.D
 Acq: 14 Apr 2020 18:47

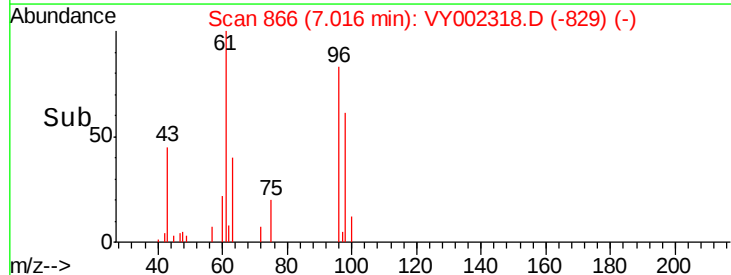
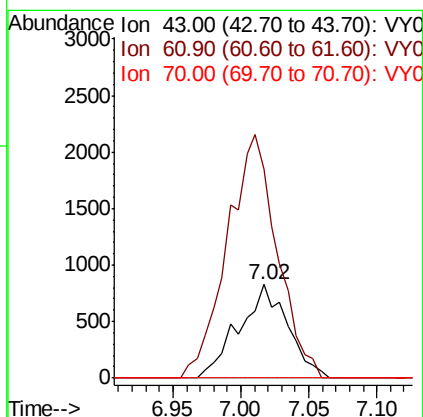
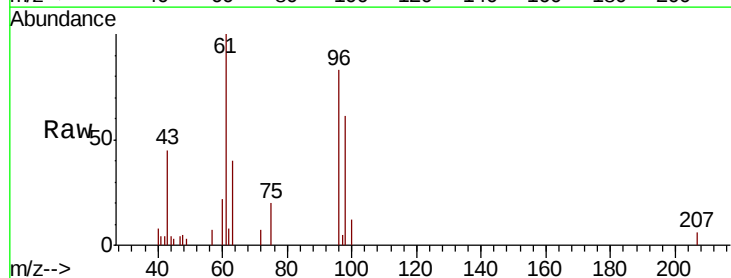
Instrument :
 MSVOA_Y
 ClientSampleId :

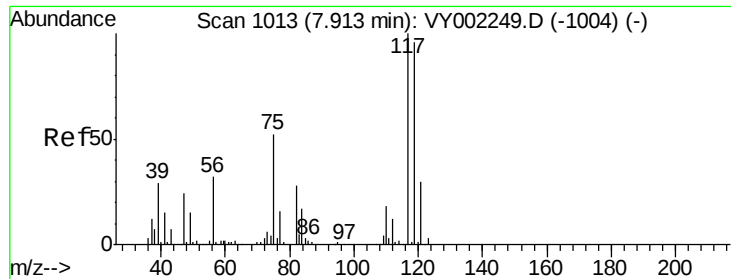
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 1.308 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VY002318.D
 Acq: 14 Apr 2020 18:47

Tgt Ion	Ratio	Lower	Upper
43	100		
61	265.7	11.8	17.6#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 5.988 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

Instrument :

MSVOA_Y

ClientSampled :

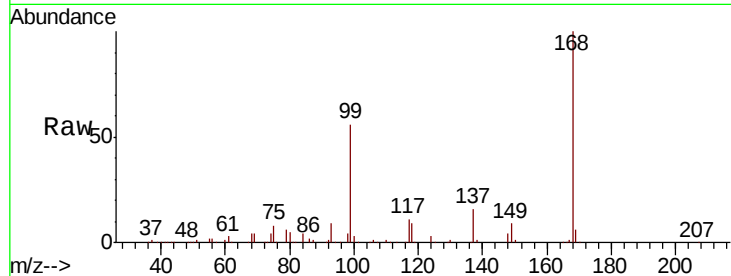
Tot Ion:117 Resp: 14215

Ion Ratio Lower Upper

117 100

119 3.5 77.1 115.7#

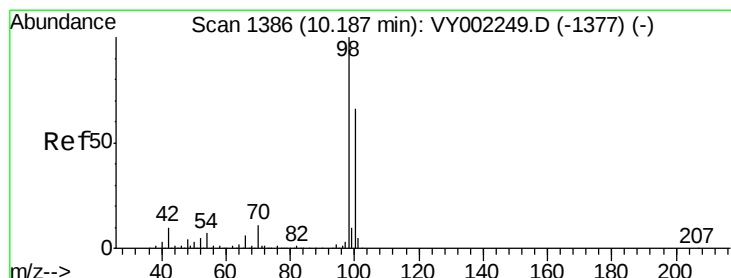
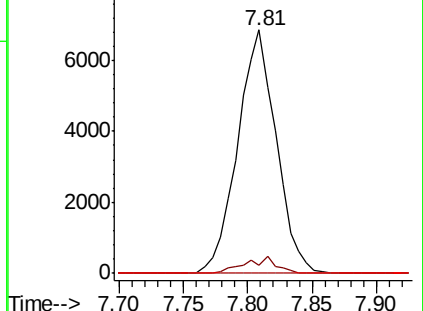
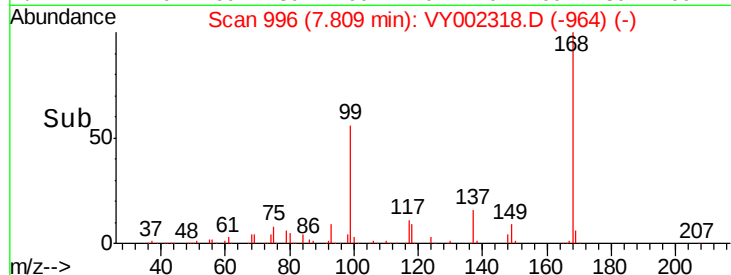
121 0.0 23.9 35.9#



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: 47.646 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002318.D

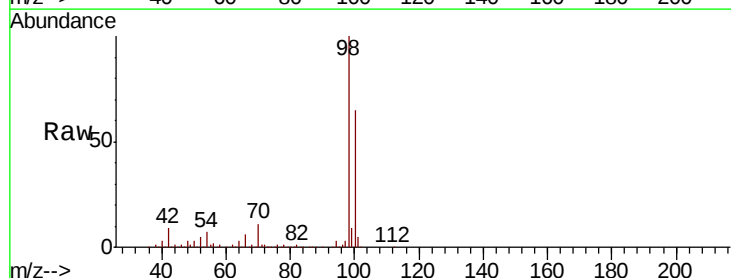
Acq: 14 Apr 2020 18:47

Tgt Ion: 98 Resp: 334354

Ion Ratio Lower Upper

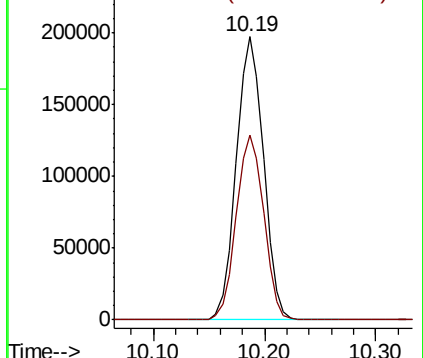
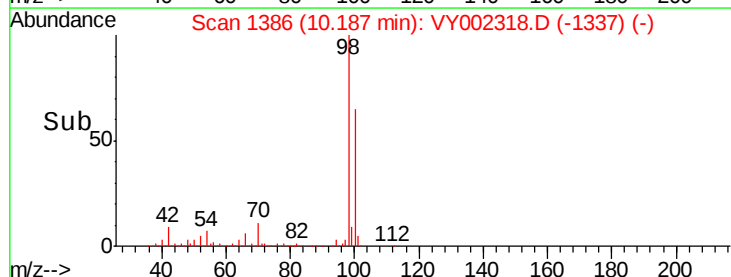
98 100

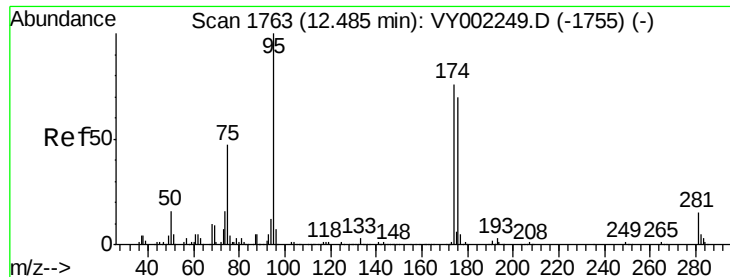
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

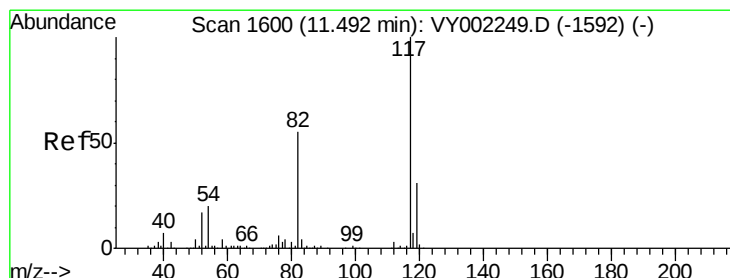
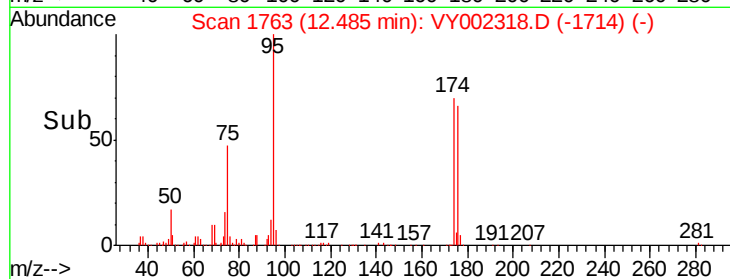
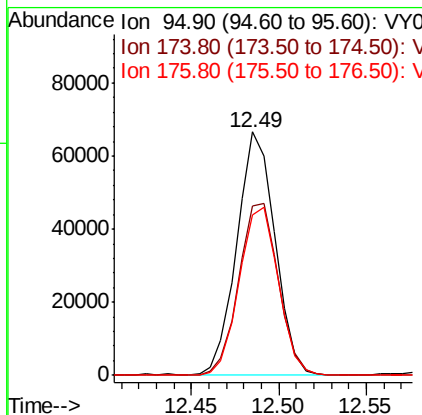
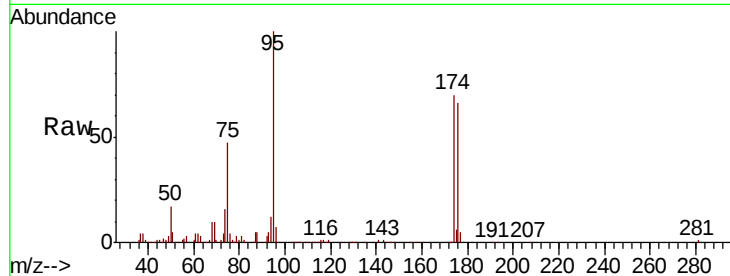




#62
4-Bromofluorobenzene
Concen: 43.661 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002318.D
Acq: 14 Apr 2020 18:47

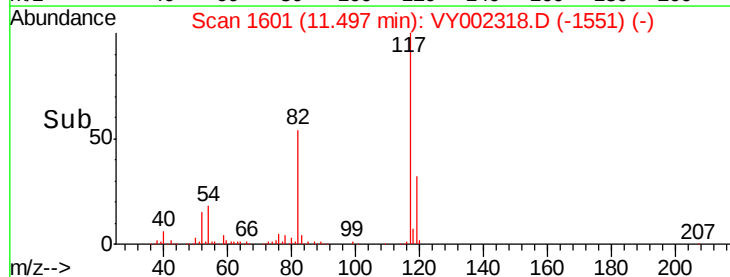
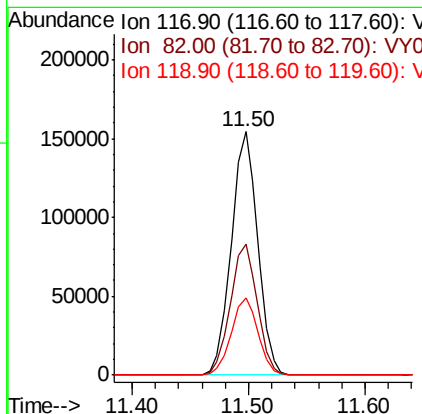
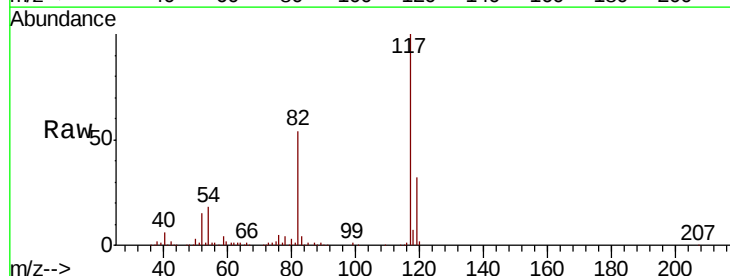
Instrument :
MSVOA_Y
ClientSampleId :

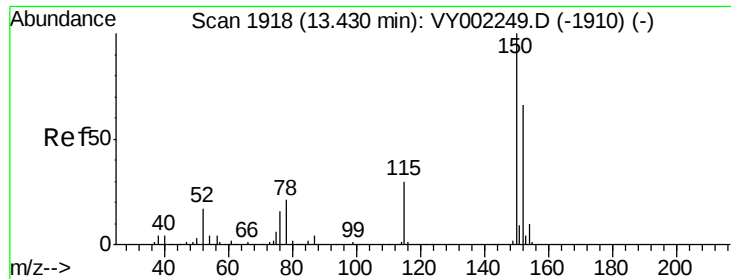
Tot Ion: 95 Resp: 101080
Ion Ratio Lower Upper
95 100
174 73.8 0.0 150.6
176 71.2 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002318.D
Acq: 14 Apr 2020 18:47

Tgt Ion: 117 Resp: 243989
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.4
119 31.7 25.1 37.7



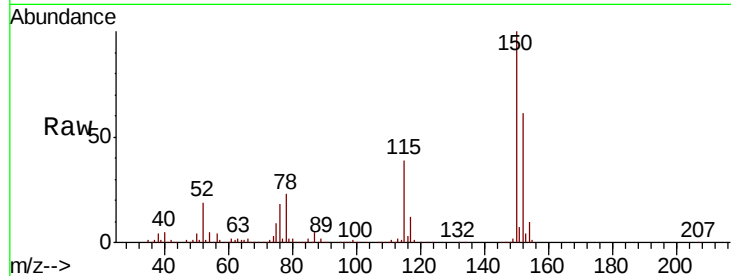


#72

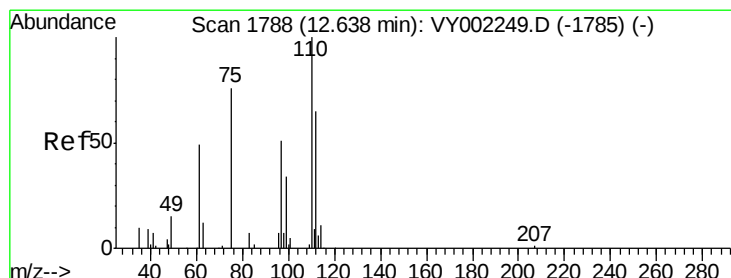
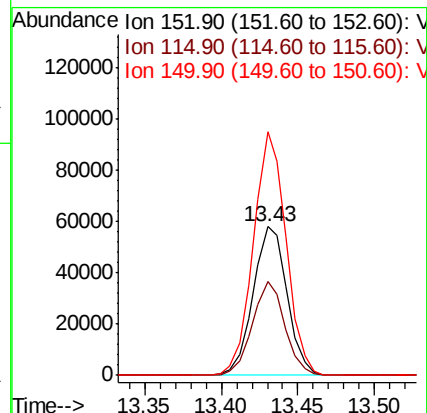
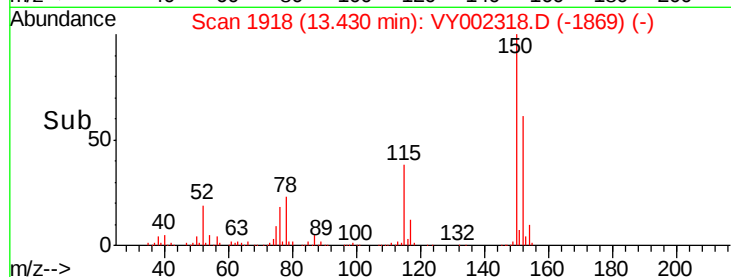
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002318.D
Acq: 14 Apr 2020 18:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 89735
Ion Ratio Lower Upper
152 100
115 60.0 30.7 92.1
150 157.2 0.0 350.6



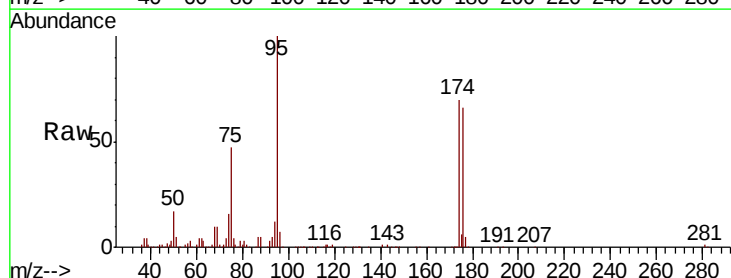
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



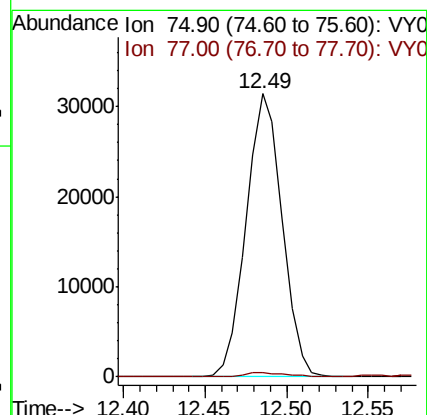
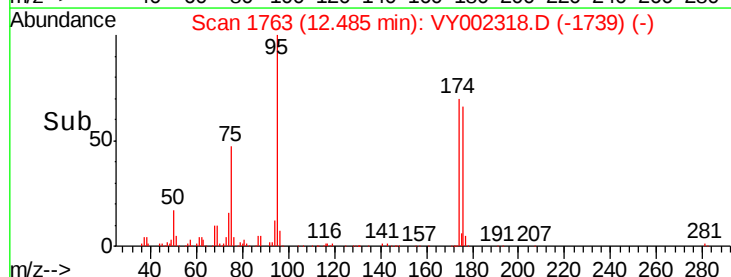
#76

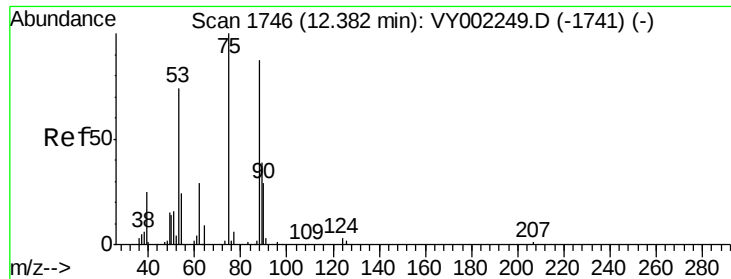
1,2,3-Trichloropropane
Concen: 46.406 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002318.D
Acq: 14 Apr 2020 18:47

Tgt Ion: 75 Resp: 48356
Ion Ratio Lower Upper
75 100
77 1.9 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: 90.259 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

Instrument :

MSVOA_Y

ClientSampleId :

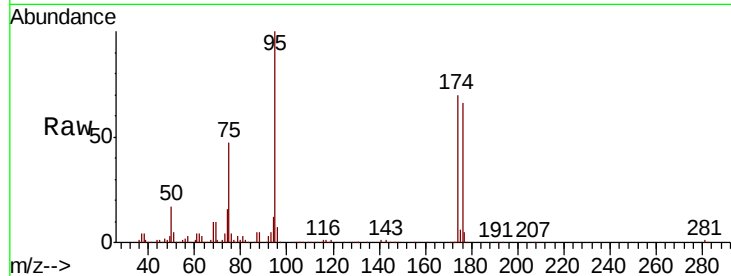
Tot Ion: 75 Resp: 48356

Ion Ratio Lower Upper

75 100

53 0.1 59.8 89.8#

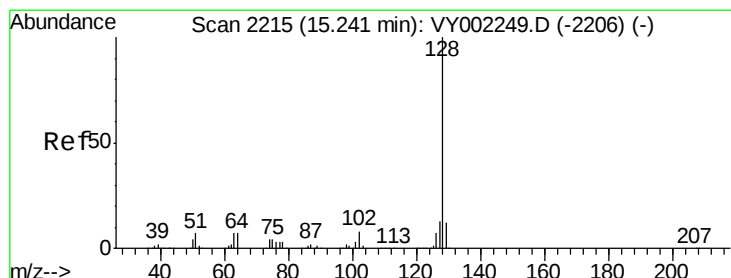
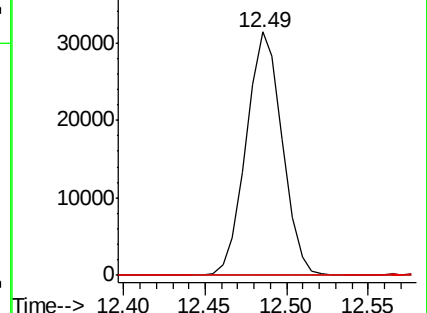
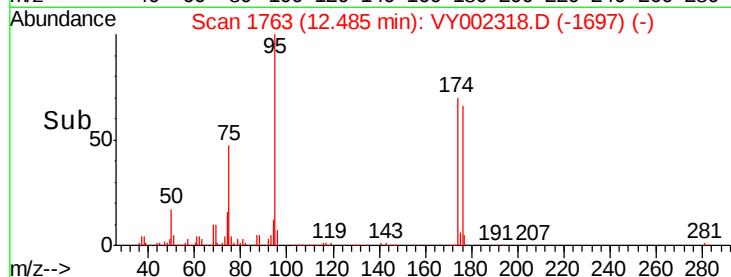
89 0.0 37.0 55.6#



Abundance Ion 74.90 (74.60 to 75.60): VY002249.D (-1741) (-)

Ion 53.00 (52.70 to 53.70): VY002249.D (-1741) (-)

Ion 88.90 (88.60 to 89.60): VY002249.D (-1741) (-)



#95

Naphthalene

Concen: 23.265 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.00 min

Lab File: VY002318.D

Acq: 14 Apr 2020 18:47

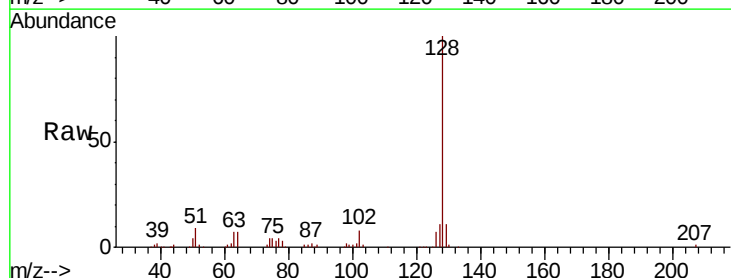
Tgt Ion: 128 Resp: 90943

Ion Ratio Lower Upper

128 100

127 12.2 10.1 15.1

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VY002249.D (-2206) (-)

Ion 127.00 (126.70 to 127.70): VY002249.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VY002249.D (-2206) (-)

