

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002411.D
 Acq On : 17 Apr 2020 19:40
 Operator : SY/MD
 Sample : L2283-03
 Misc : 5.18G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:40:31 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

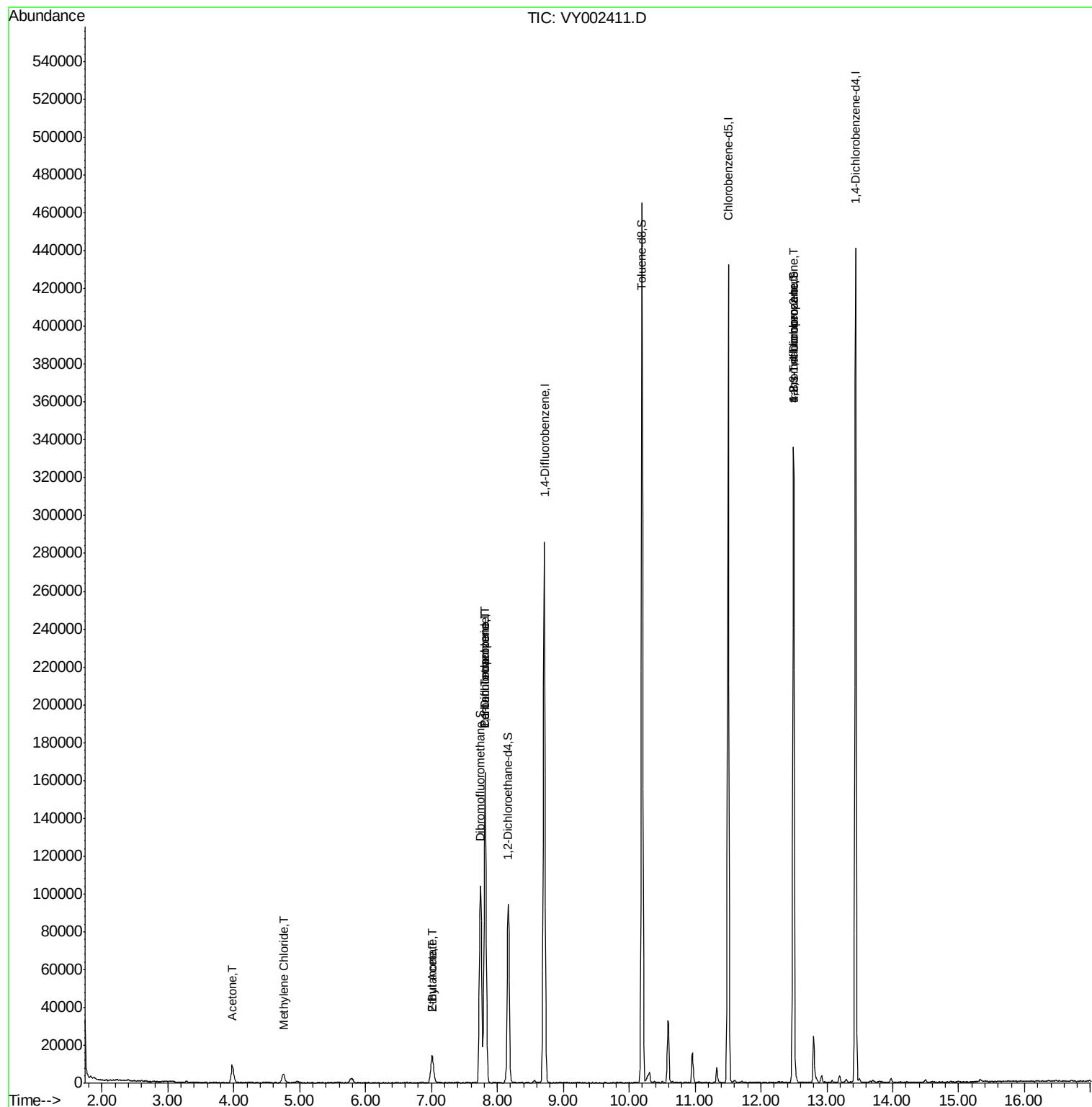
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	131469	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	268722	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	256030	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	113854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	67730	46.33	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.66%	
35) Dibromofluoromethane	7.74	113	78642	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
50) Toluene-d8	10.19	98	319019	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
62) 4-Bromofluorobenzene	12.49	95	110075	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	561	Below Cal	#	77
16) Acetone	3.97	43	15459	40.146	ug/l #	83
20) Methylene Chloride	4.75	84	3924	2.073	ug/l #	84
25) 2-Butanone	7.02	43	4174	6.849	ug/l	98
36) 1,1-Dichloropropene	7.82	75	9794	3.700	ug/l #	49
37) Ethyl Acetate	7.02	43	4174	2.760	ug/l #	82
38) Carbon Tetrachloride	7.81	117	12621	5.575	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	51279	38.786	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	51279	75.439	ug/l #	19

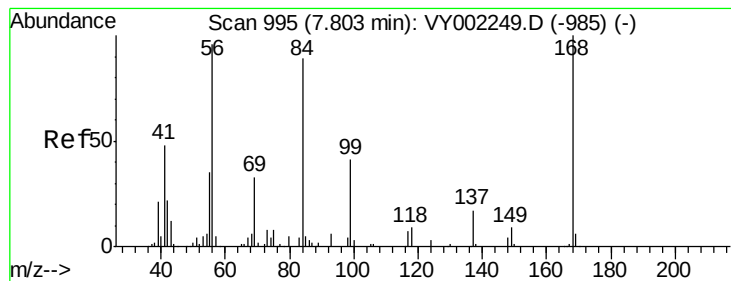
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002411.D

Acq: 17 Apr 2020 19:40

Instrument :

MSVOA_Y

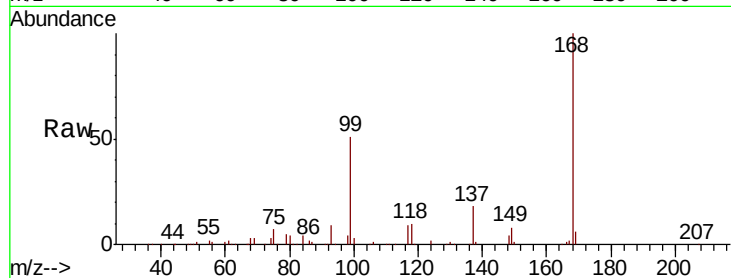
ClientSampleId :

Tot Ion:168 Resp: 131469

Ion Ratio Lower Upper

168 100

99 51.4 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) (-)

7.82

60000

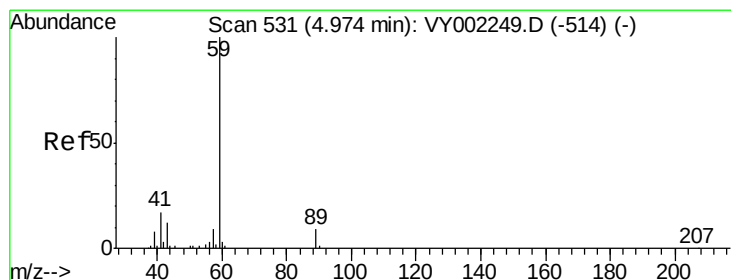
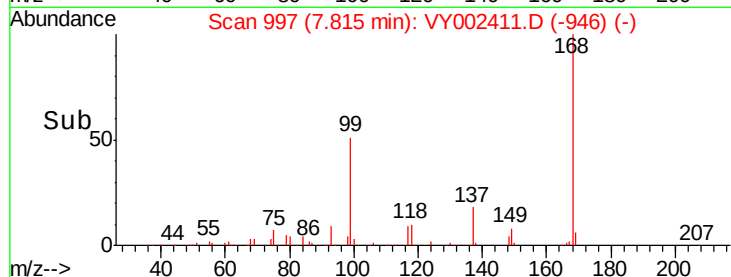
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.02 min

Lab File: VY002411.D

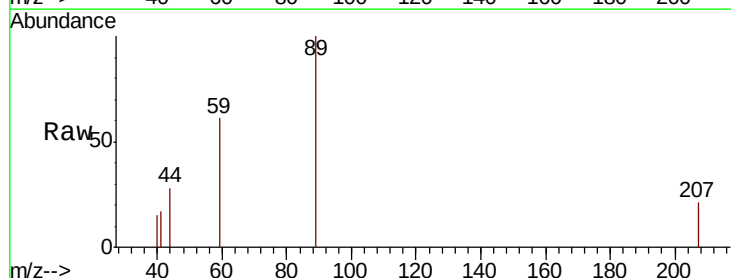
Acq: 17 Apr 2020 19:40

Tgt Ion: 59 Resp: 561

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) (-)

4.96

250

200

150

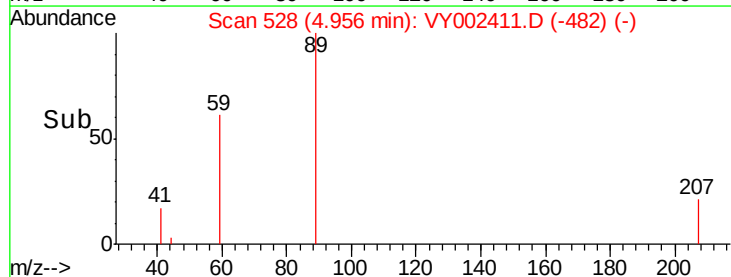
100

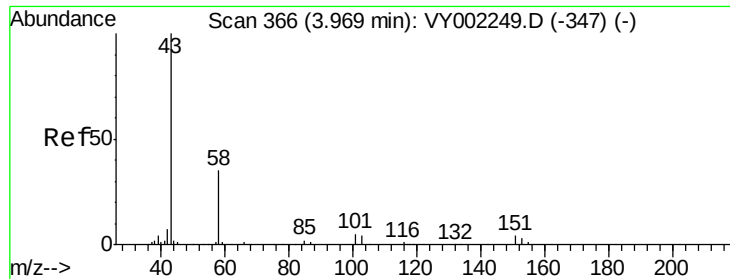
50

0

4.90 4.95

Time-->





#16

Acetone

Concen: 40.146 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002411.D

Acq: 17 Apr 2020 19:40

Instrument :

MSVOA_Y

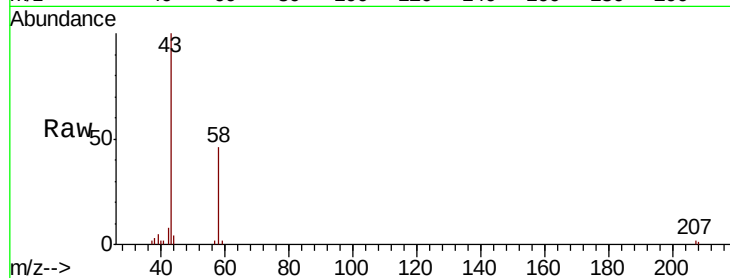
ClientSampleId :

Tot Ion: 43 Resp: 15459

Ion Ratio Lower Upper

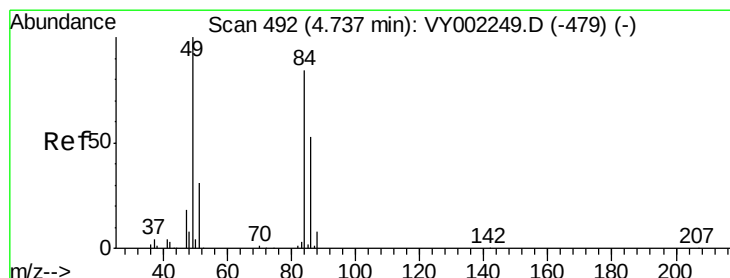
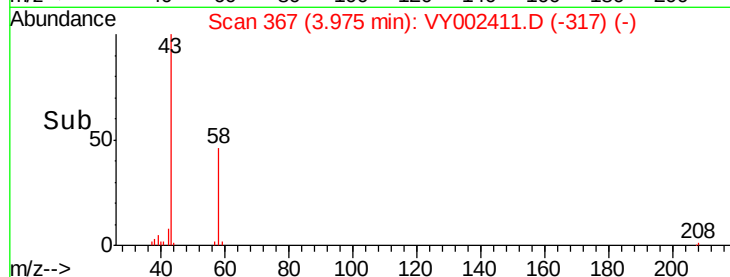
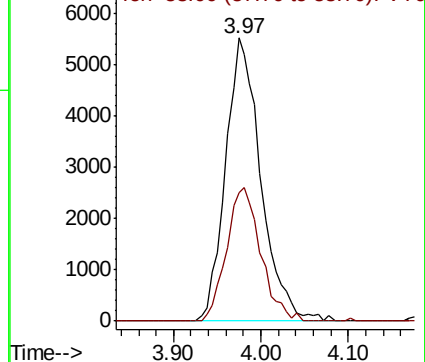
43 100

58 45.6 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.073 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002411.D

Acq: 17 Apr 2020 19:40

Tgt Ion: 84 Resp: 3924

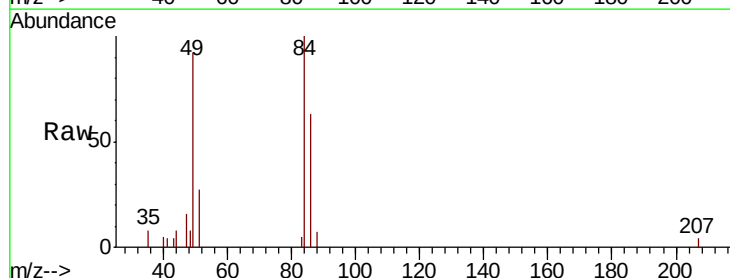
Ion Ratio Lower Upper

84 100

49 92.4 95.5 143.3#

51 27.1 29.5 44.3#

86 62.6 50.7 76.1

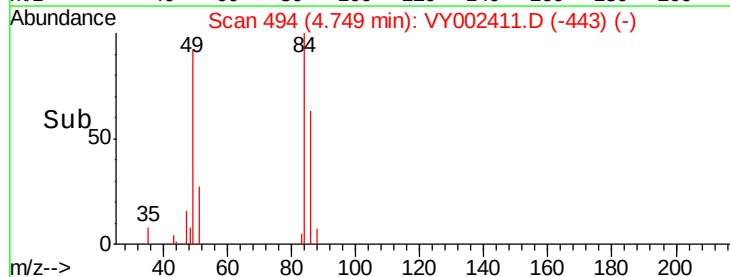
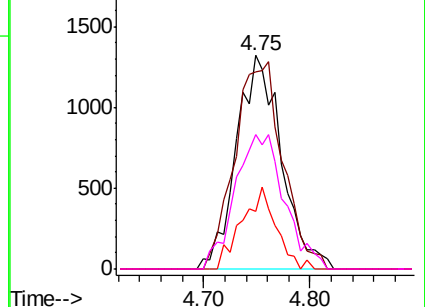


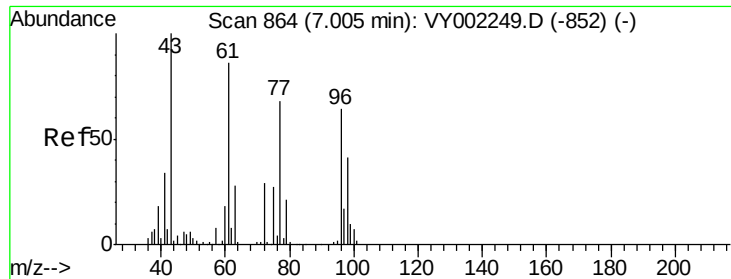
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 6.849 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY002411.D

Acq: 17 Apr 2020 19:40

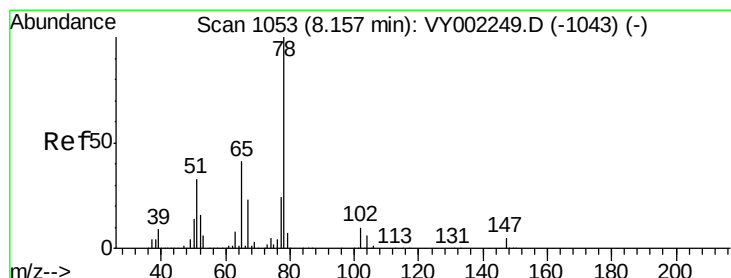
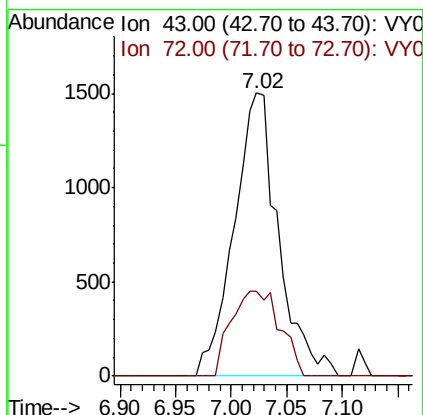
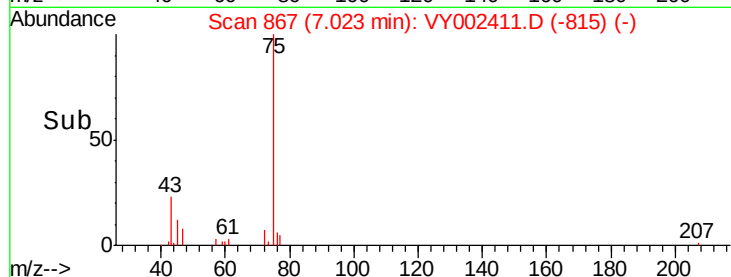
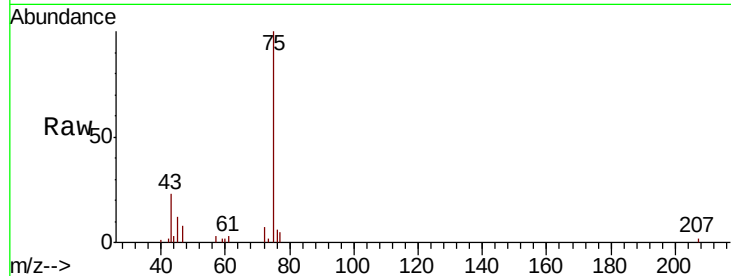
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 4174

Ion Ratio Lower Upper

43 100

72 29.8 23.2 34.8



#33

1,2-Dichloroethane-d4

Concen: 46.326 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002411.D

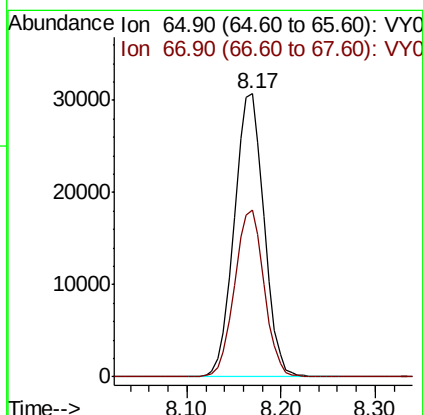
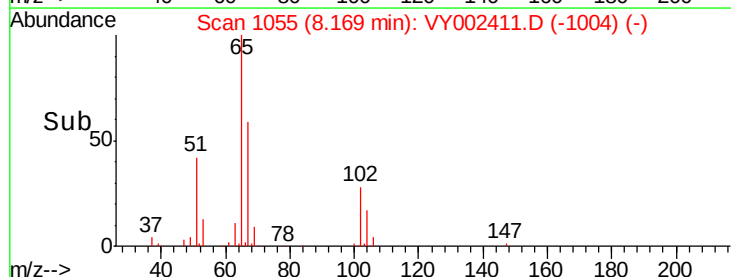
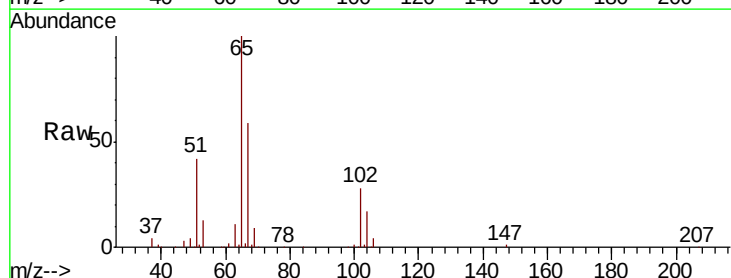
Acq: 17 Apr 2020 19:40

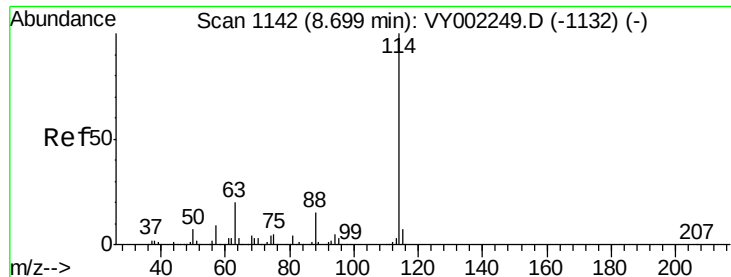
Tgt Ion: 65 Resp: 67730

Ion Ratio Lower Upper

65 100

67 58.3 0.0 114.0

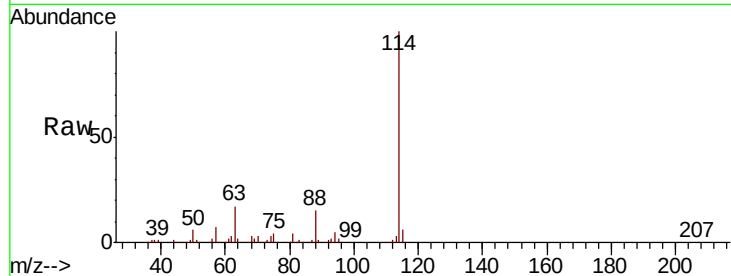




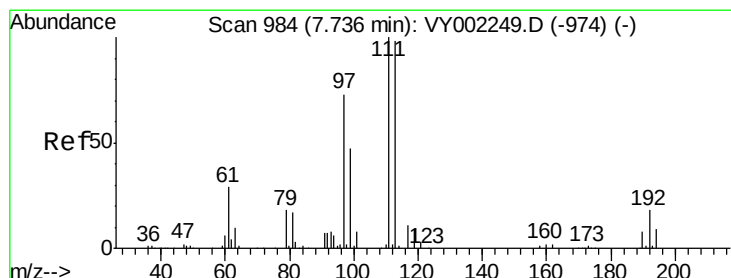
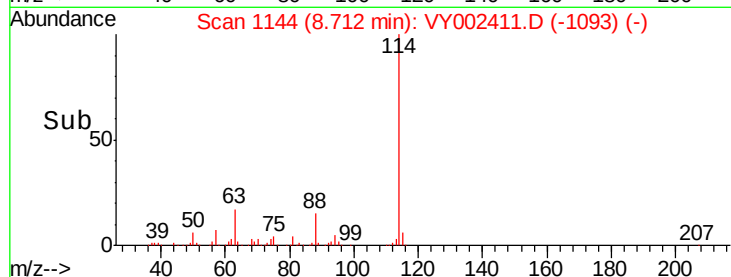
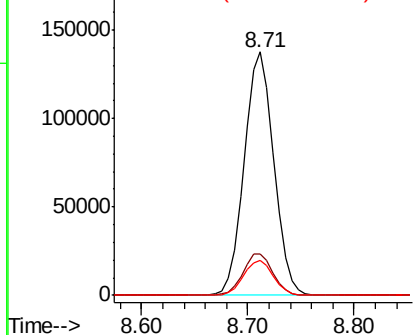
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002411.D
 Acq: 17 Apr 2020 19:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 268722
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 39.0
 88 14.6 0.0 31.0

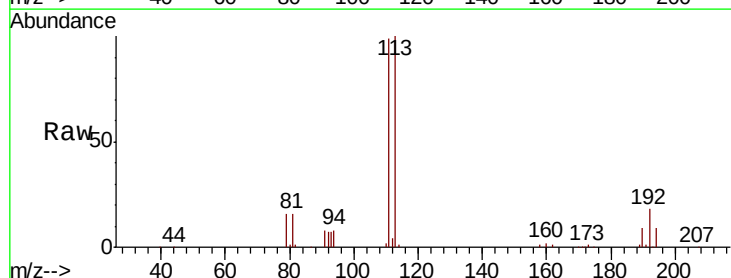


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

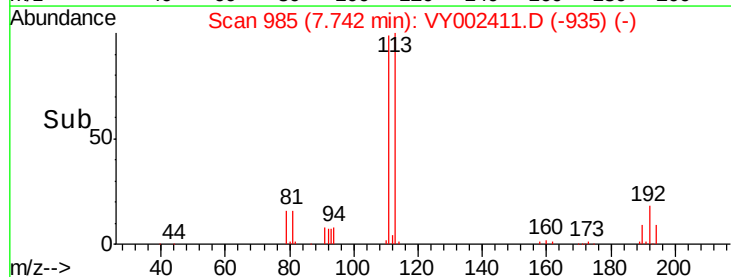
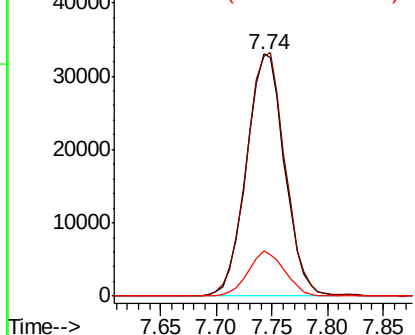


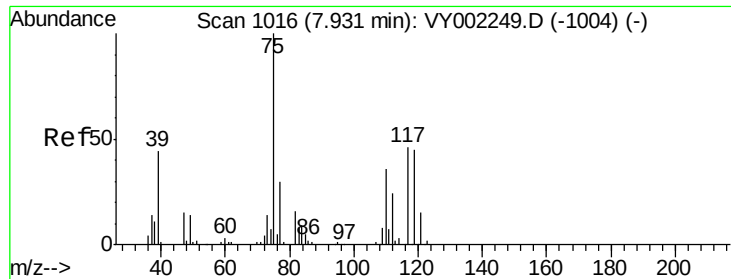
#35
 Dibromofluoromethane
 Concen: 49.182 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002411.D
 Acq: 17 Apr 2020 19:40

Tgt Ion:113 Resp: 78642
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.5 125.3
 192 17.9 14.7 22.1



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

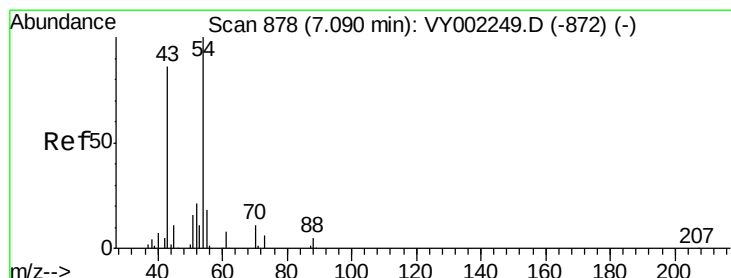
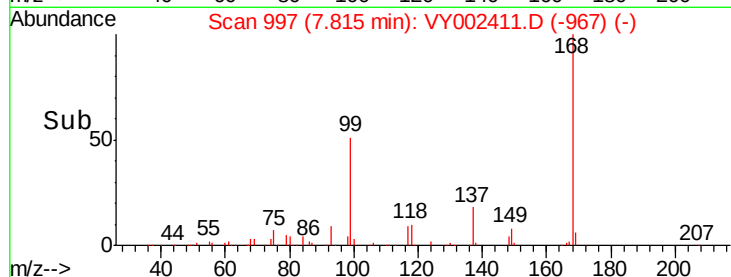
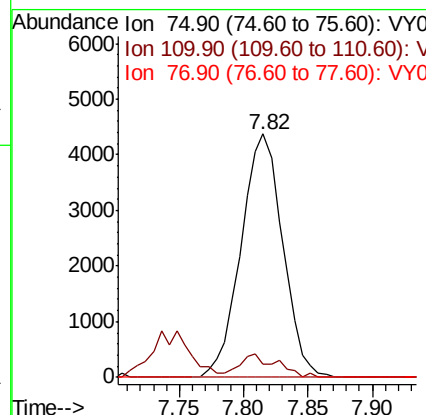
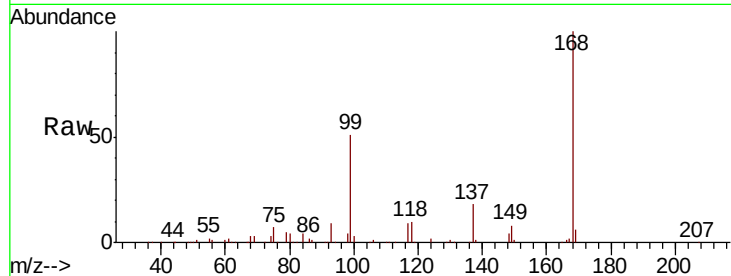




#36
 1,1-Dichloropropene
 Concen: 3.700 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002411.D
 Acq: 17 Apr 2020 19:40

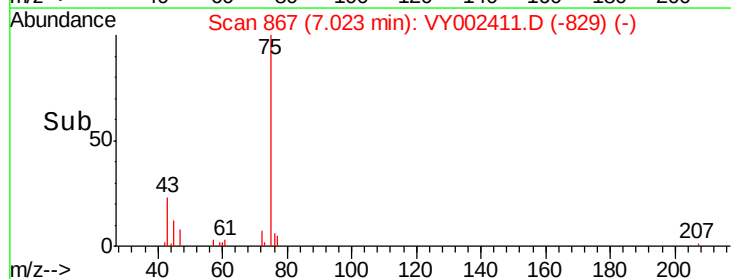
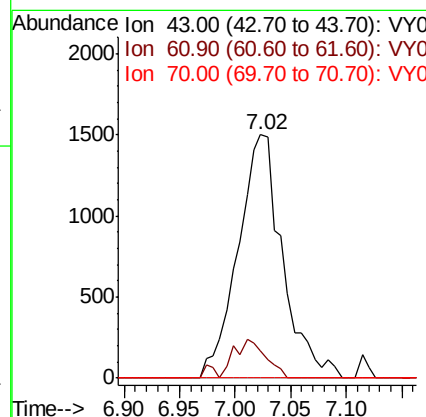
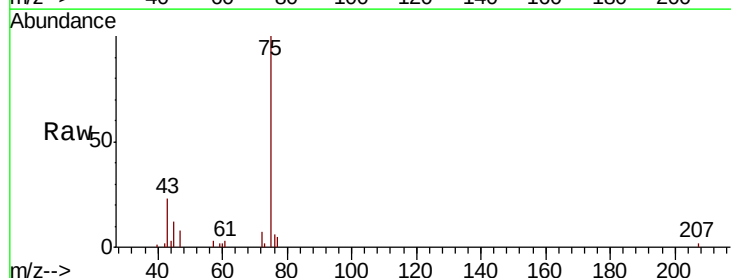
Instrument :
 MSVOA_Y
 ClientSampleId :

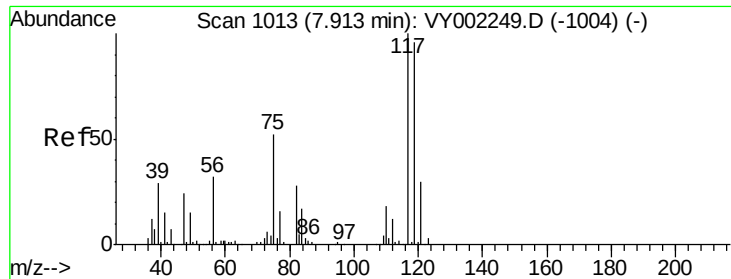
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 2.760 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VY002411.D
 Acq: 17 Apr 2020 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.3	11.8	17.6#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 5.575 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002411.D

Acq: 17 Apr 2020 19:40

Instrument :

MSVOA_Y

ClientSampled :

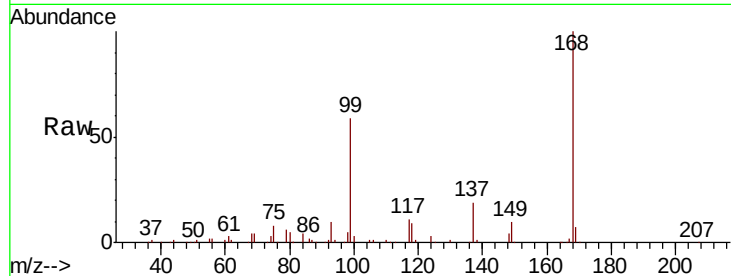
Tot Ion:117 Resp: 12621

Ion Ratio Lower Upper

117 100

119 7.8 77.1 115.7#

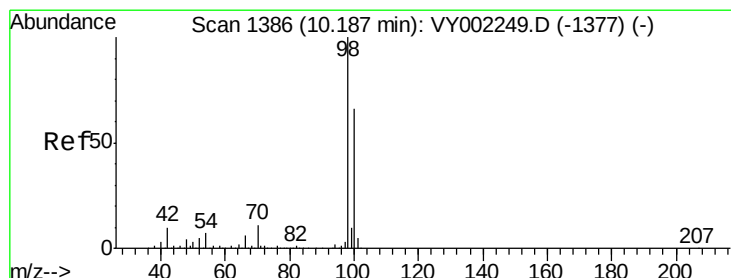
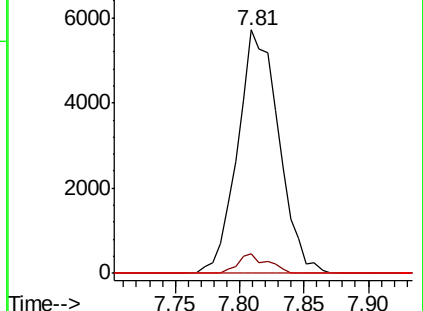
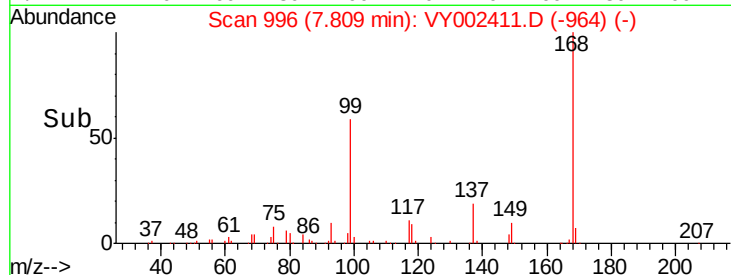
121 0.0 23.9 35.9#



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: 47.667 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002411.D

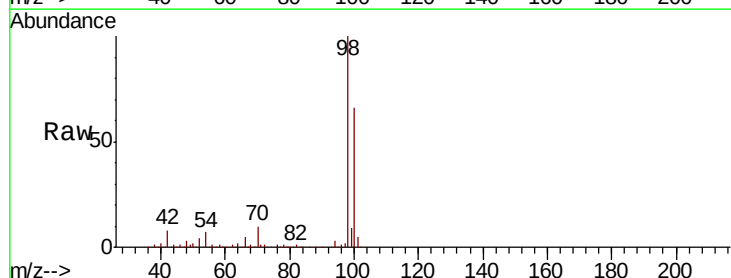
Acq: 17 Apr 2020 19:40

Tgt Ion: 98 Resp: 319019

Ion Ratio Lower Upper

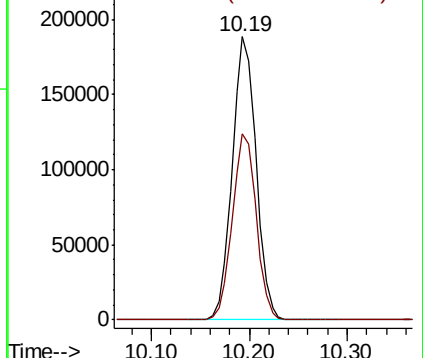
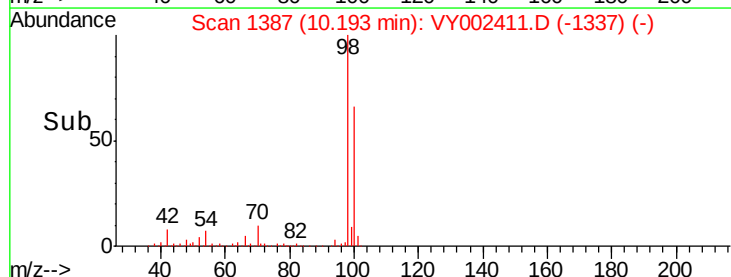
98 100

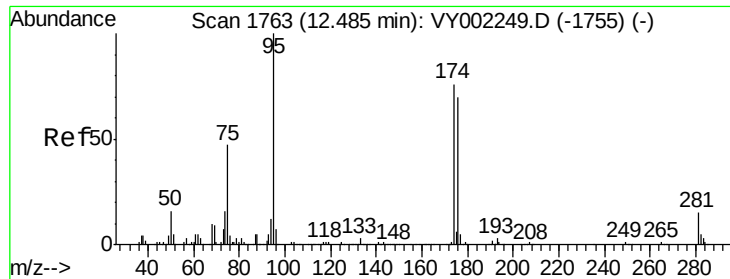
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

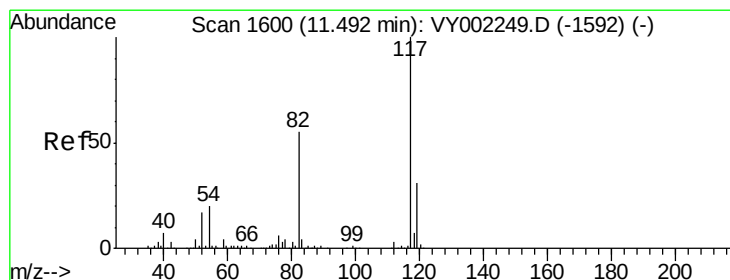
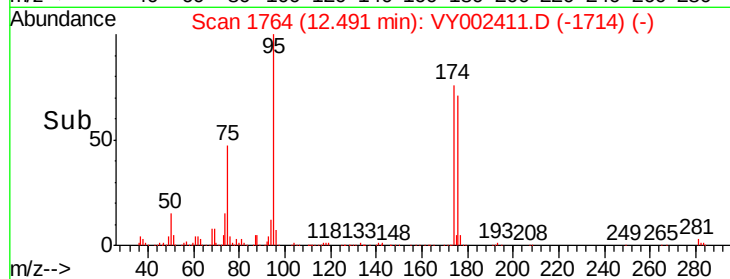
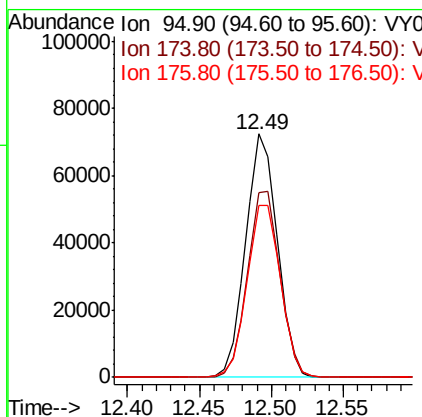
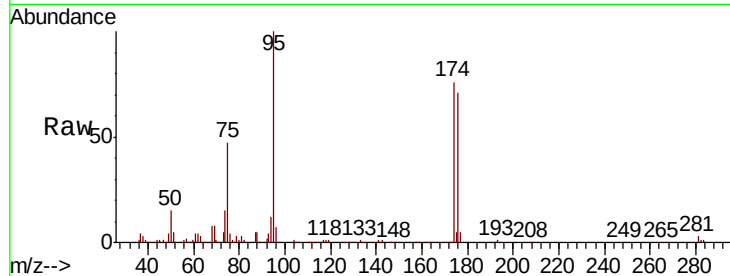




#62
4-Bromofluorobenzene
Concen: 49.853 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002411.D
Acq: 17 Apr 2020 19:40

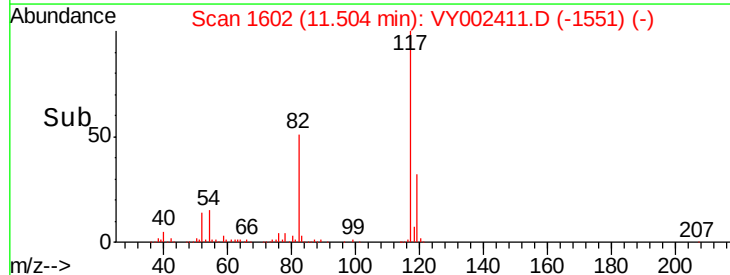
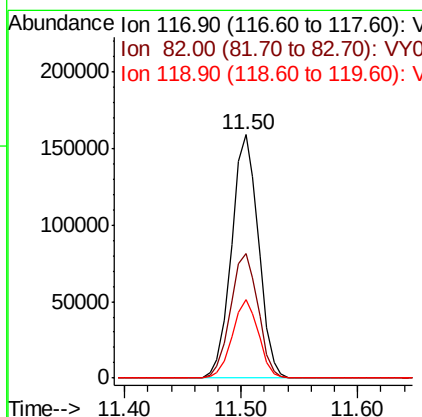
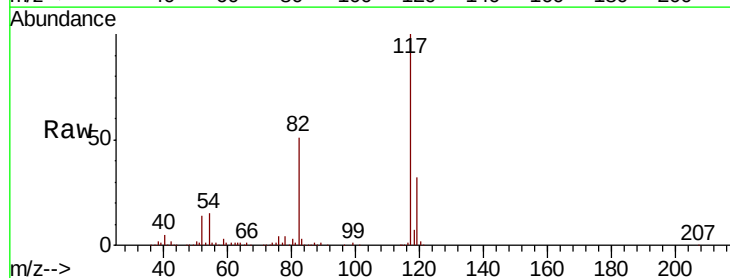
Instrument :
MSVOA_Y
ClientSampled :

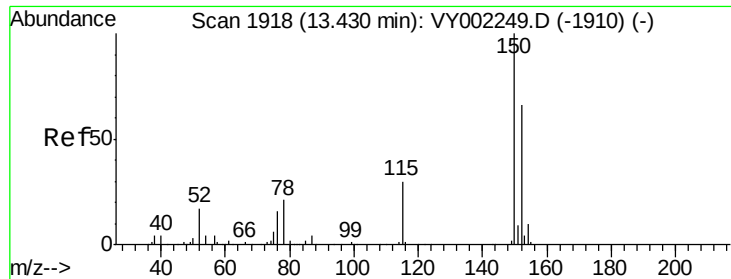
Tot Ion: 95 Resp: 110075
Ion Ratio Lower Upper
95 100
174 78.4 0.0 150.6
176 74.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002411.D
Acq: 17 Apr 2020 19:40

Tgt Ion: 117 Resp: 256030
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.4
119 32.3 25.1 37.7



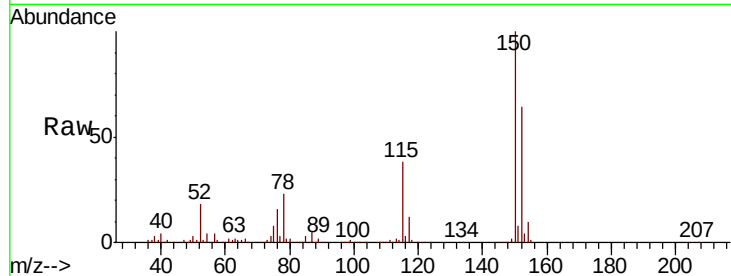


#72

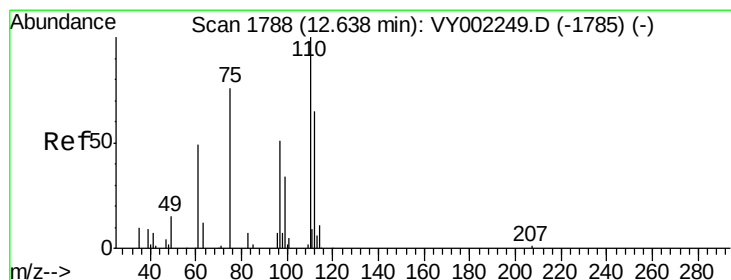
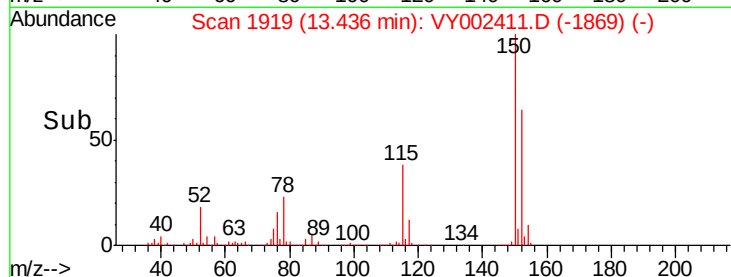
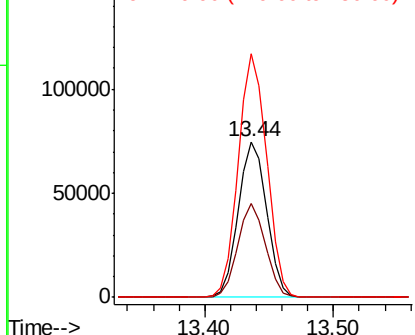
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002411.D
Acq: 17 Apr 2020 19:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 113854
Ion Ratio Lower Upper
152 100
115 58.7 30.7 92.1
150 156.8 0.0 350.6



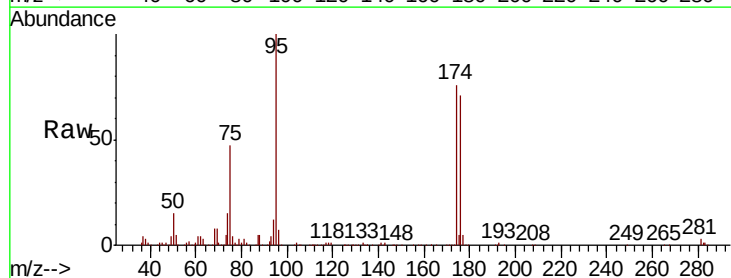
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



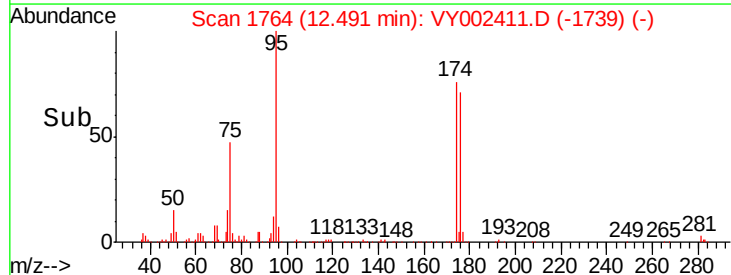
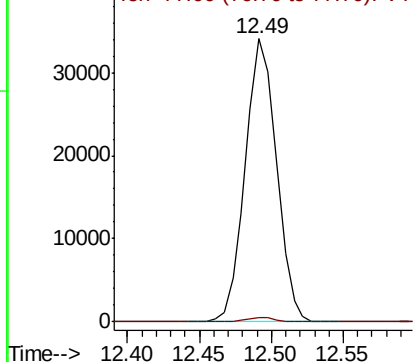
#76

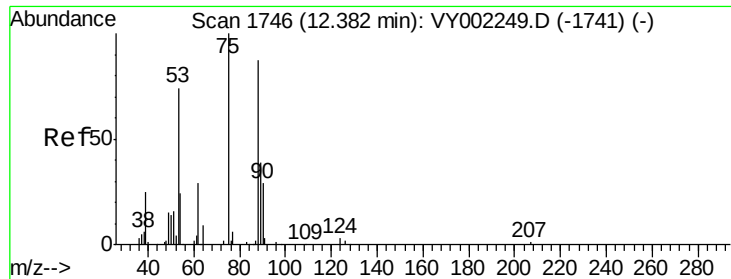
1,2,3-Trichloropropane
Concen: 38.786 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002411.D
Acq: 17 Apr 2020 19:40

Tgt Ion: 75 Resp: 51279
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: 75.439 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002411.D

Acq: 17 Apr 2020 19:40

Instrument :

MSVOA_Y

ClientSampleId :

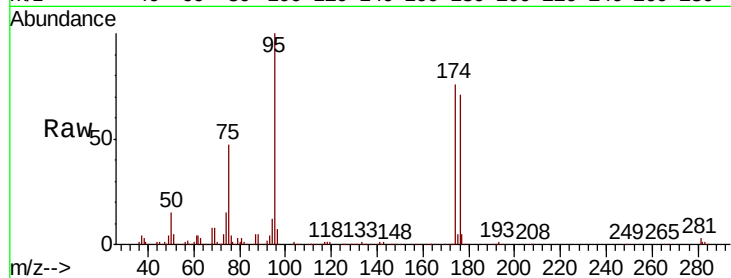
Tot Ion: 75 Resp: 51279

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.2 37.0 55.6#



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

