

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002147.D
 Acq On : 31 Mar 2020 20:27
 Operator : SY/MD
 Sample : L2089-03
 Misc : 7.16G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:01:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	120479	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	237598	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	222929	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	98525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	75041	56.34	ug/l	0.01
Spiked Amount			Recovery	=	112.68%	
35) Dibromofluoromethane	7.75	113	70079	52.64	ug/l	0.02
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	10.20	98	291175	52.65	ug/l	0.01
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.49	95	102362	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	

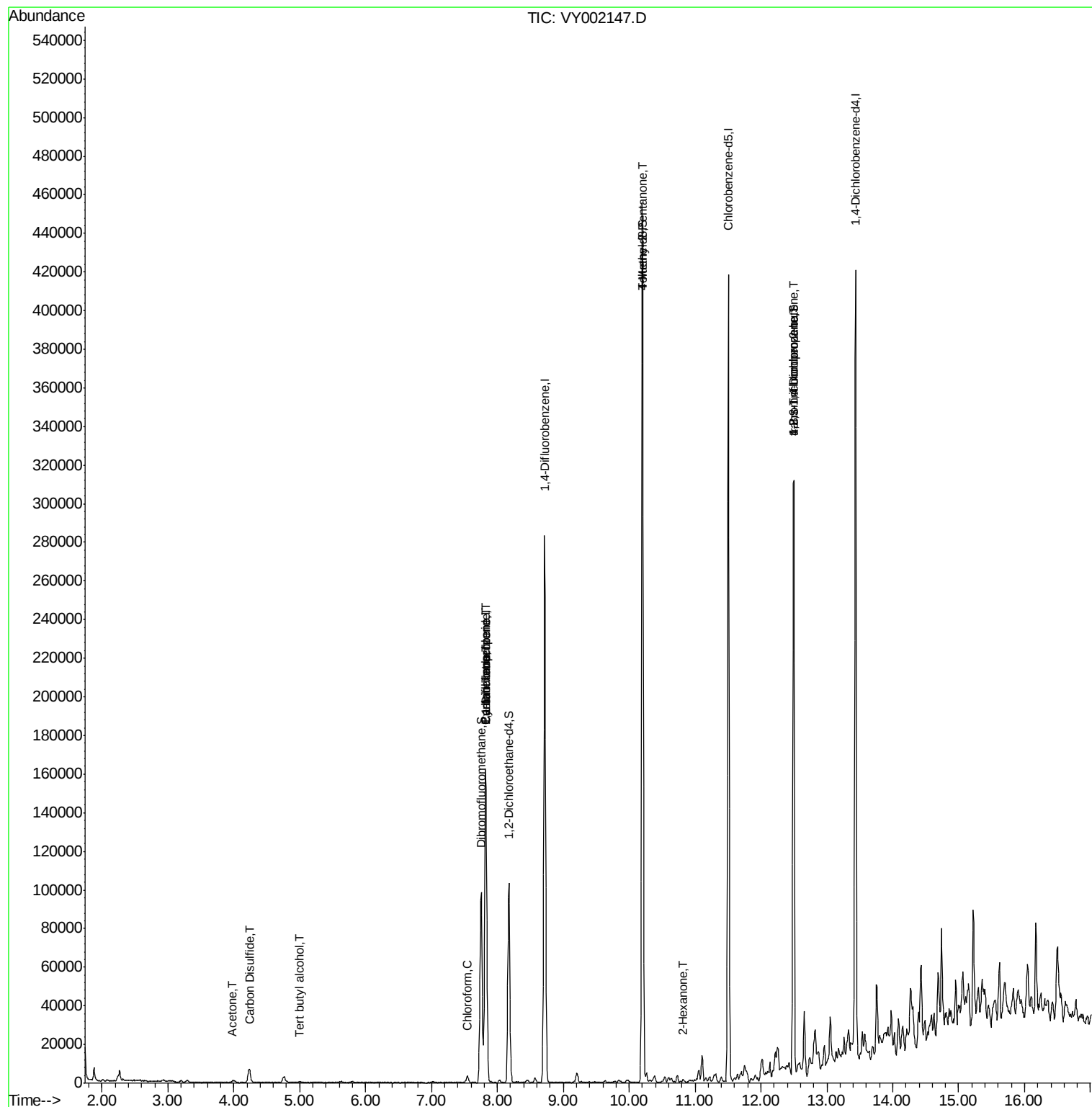
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	520	3.313	ug/l #	74
16) Acetone	3.99	43	1918	5.126	ug/l	99
17) Carbon Disulfide	4.24	76	14312	3.299	ug/l	97
20) Methylene Chloride	4.77	84	2132	Below Cal	#	88
30) Chloroform	7.55	83	3067	1.243	ug/l	95
31) Cyclohexane	7.82	56	3222	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	10389	4.623	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12808	6.717	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	1568	1.208	ug/l #	1
59) 2-Hexanone	10.81	43	917	1.003	ug/l #	23
76) 1,2,3-Trichloropropane	12.49	75	51838	47.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	51838	91.125	ug/l #	18

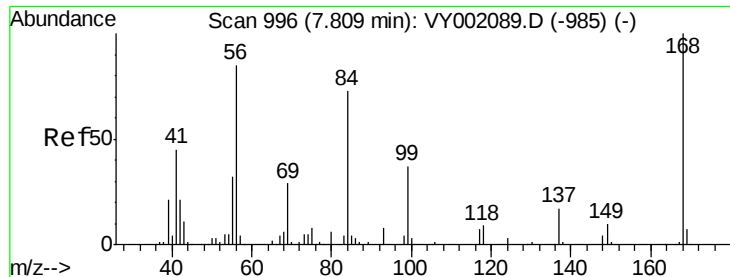
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
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MSVOA_Y
ClientSampled :

Quant Time: Apr 01 05:01:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 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: VY002147.D

Acq: 31 Mar 2020 20:27

Instrument :

MSVOA_Y

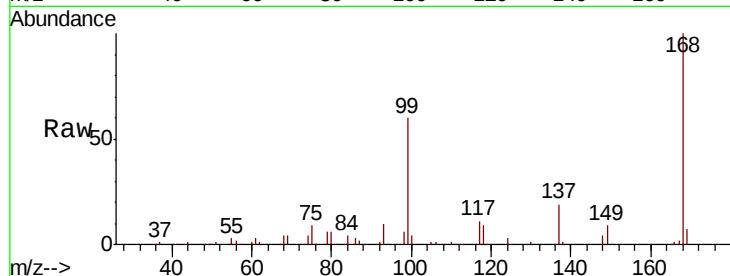
ClientSampleId :

Tot Ion:168 Resp: 120479

Ion Ratio Lower Upper

168 100

99 59.8 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002147.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002147.D (-947) (-)

7.82

60000

50000

40000

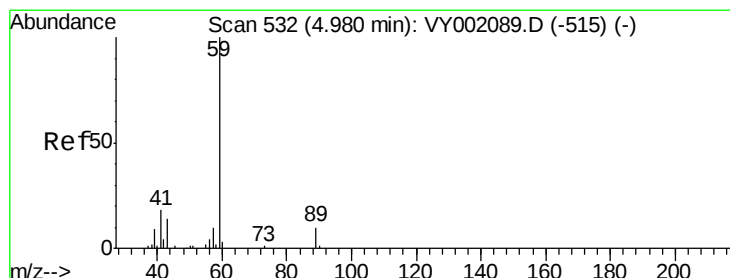
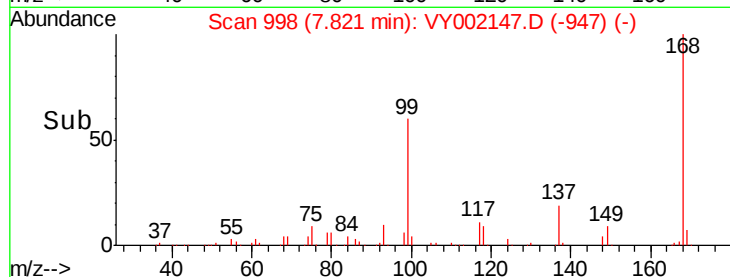
30000

20000

10000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 3.313 ug/l

RT: 4.99 min Scan# 533

Delta R.T. 0.01 min

Lab File: VY002147.D

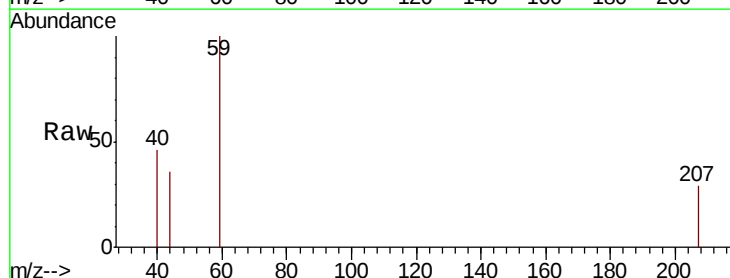
Acq: 31 Mar 2020 20:27

Tgt Ion: 59 Resp: 520

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002147.D (-483) (-)

Ion 57.00 (56.70 to 57.70): VY002147.D (-483) (-)

4.99

400

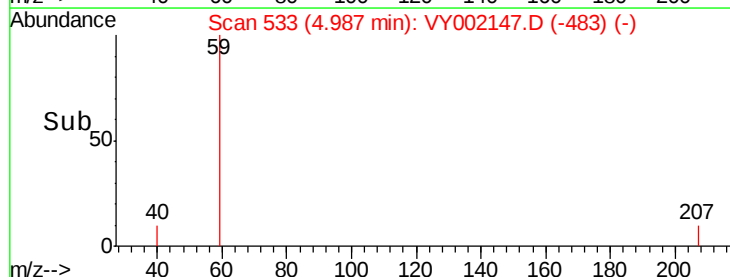
300

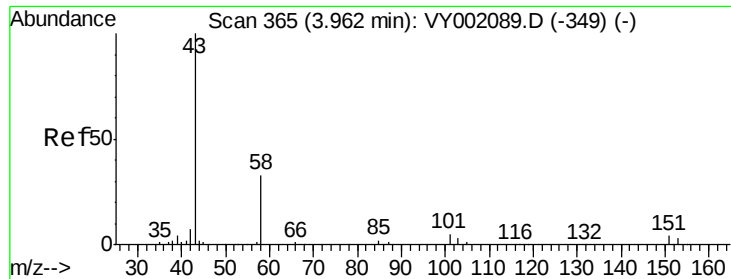
200

100

0

Time--> 4.95 5.00

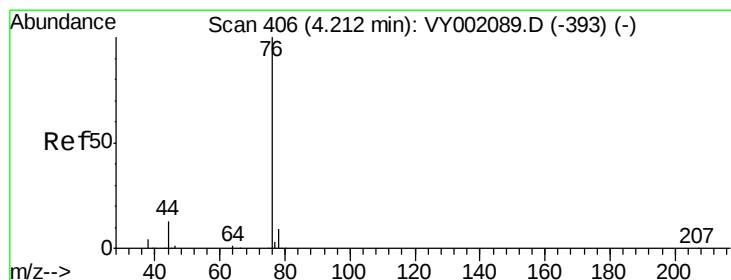
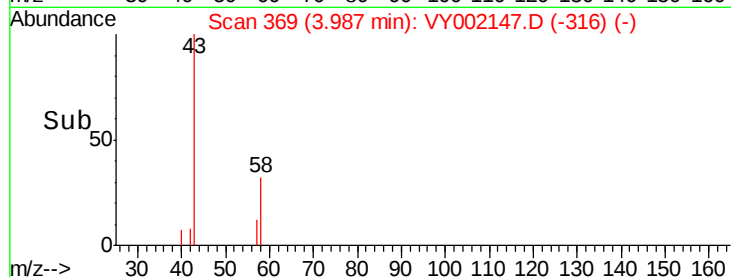
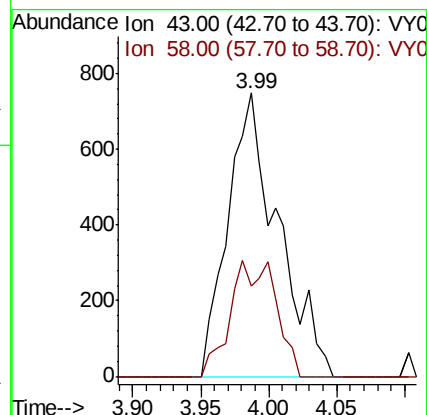
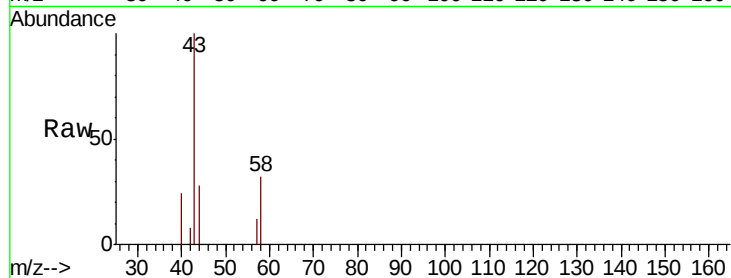




#16
Acetone
Concen: 5.126 ug/l
RT: 3.99 min Scan# 369
Delta R.T. 0.02 min
Lab File: VY002147.D
Acq: 31 Mar 2020 20:27

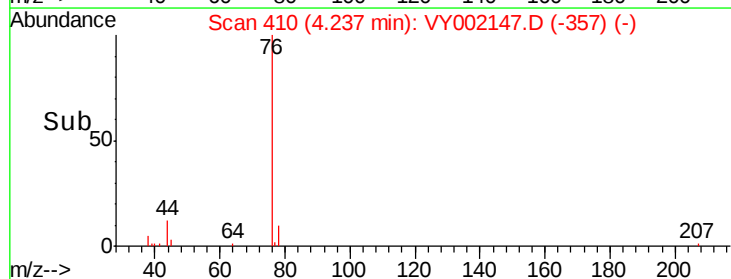
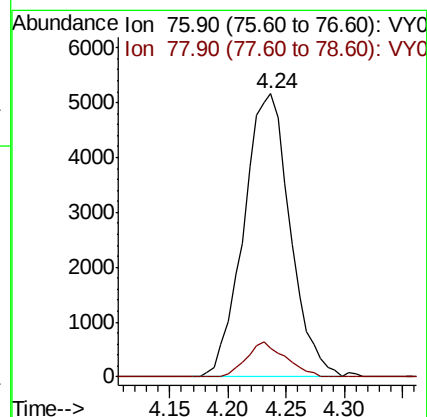
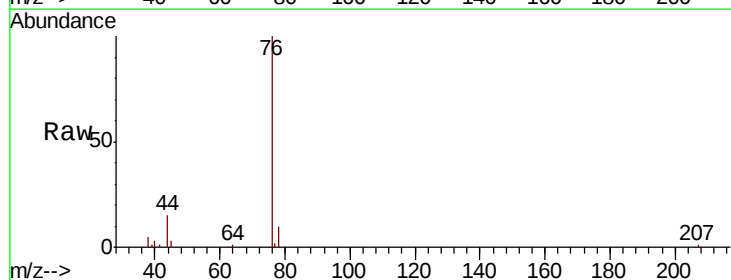
Instrument :
MSVOA_Y
ClientSampleId :

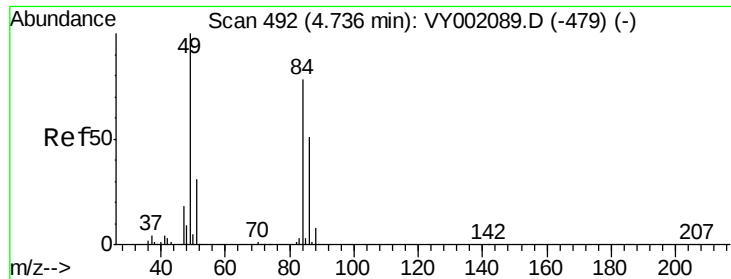
Tot Ion: 43 Resp: 1918
Ion Ratio Lower Upper
43 100
58 32.1 26.3 39.5



#17
Carbon Disulfide
Concen: 3.299 ug/l
RT: 4.24 min Scan# 410
Delta R.T. 0.02 min
Lab File: VY002147.D
Acq: 31 Mar 2020 20:27

Tgt Ion: 76 Resp: 14312
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9

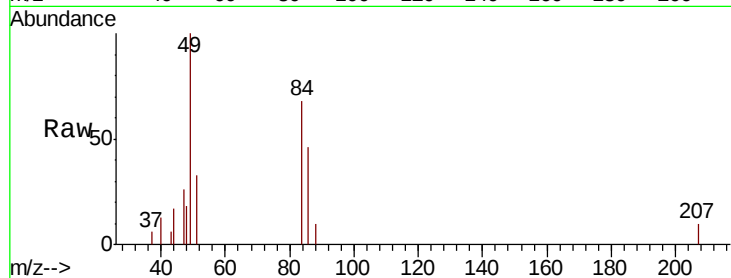




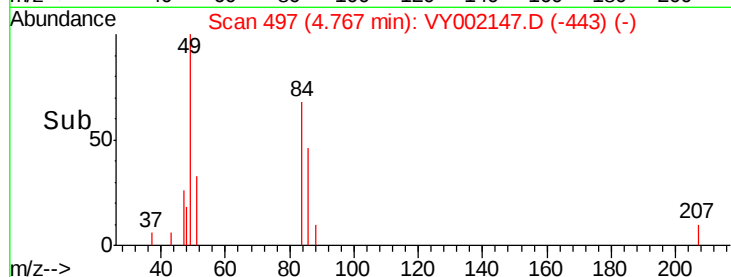
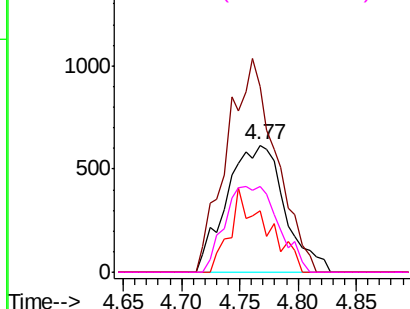
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.77 min Scan# 497
Delta R.T. 0.03 min
Lab File: VY002147.D
Acq: 31 Mar 2020 20:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 2132
Ion Ratio Lower Upper
84 100
49 146.2 102.2 153.4
51 48.9 31.2 46.8#
86 67.5 52.6 78.8

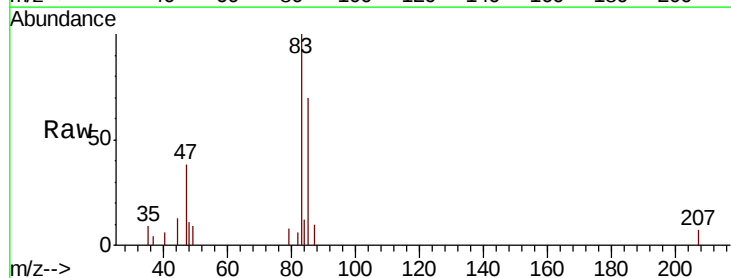
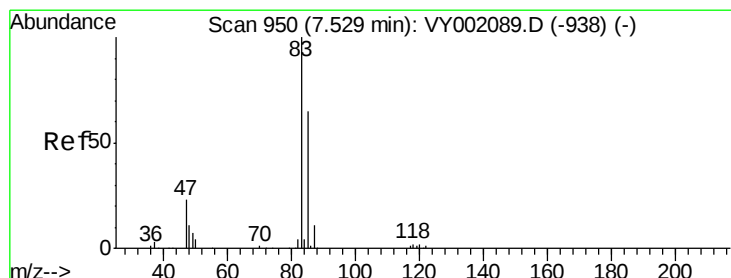


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

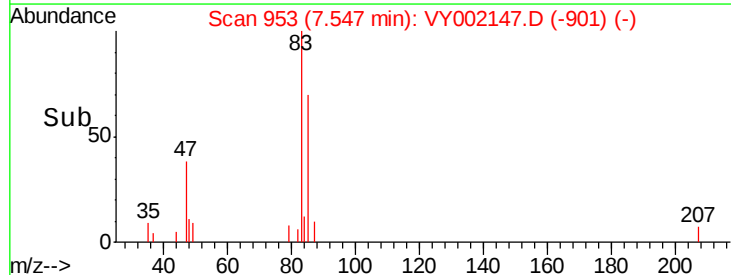
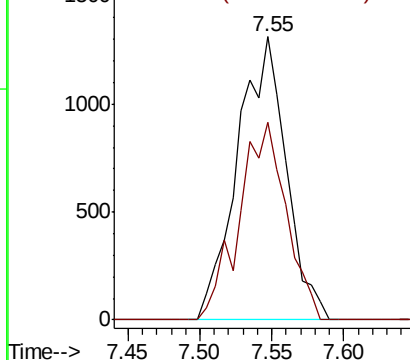


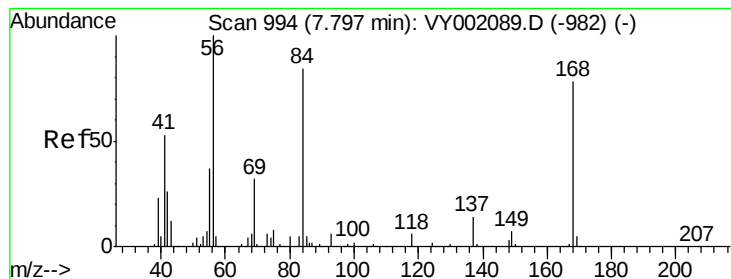
#30
Chloroform
Concen: 1.243 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.02 min
Lab File: VY002147.D
Acq: 31 Mar 2020 20:27

Tgt Ion: 83 Resp: 3067
Ion Ratio Lower Upper
83 100
85 69.7 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

Instrument :
MSVOA_Y
ClientSampleId :

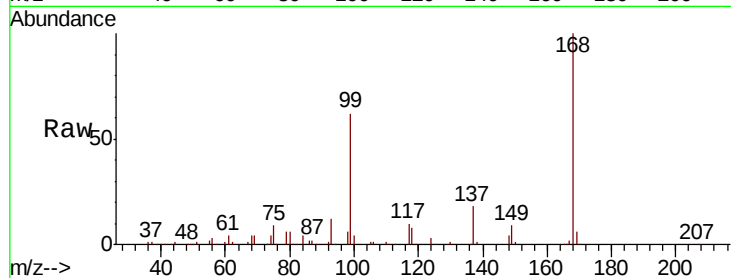
Tot Ion: 56 Resp: 3222

Ion Ratio Lower Upper

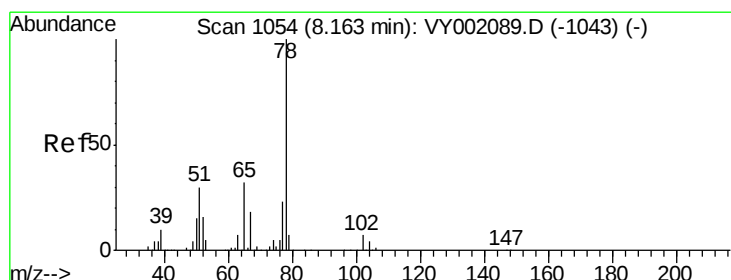
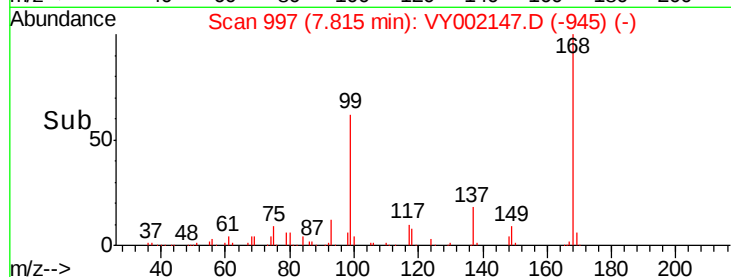
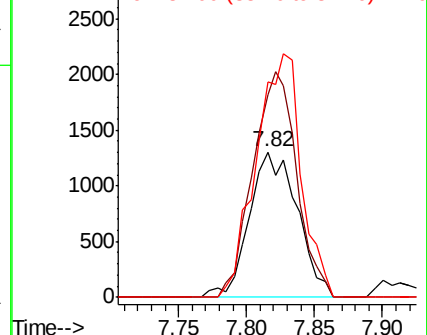
56 100

69 139.2 25.8 38.8#

84 148.4 67.1 100.7#



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: 56.343 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY002147.D

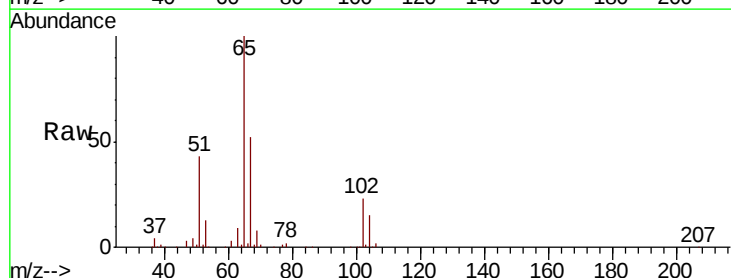
Acq: 31 Mar 2020 20:27

Tgt Ion: 65 Resp: 75041

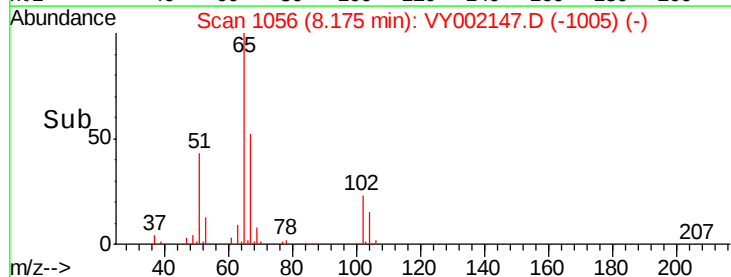
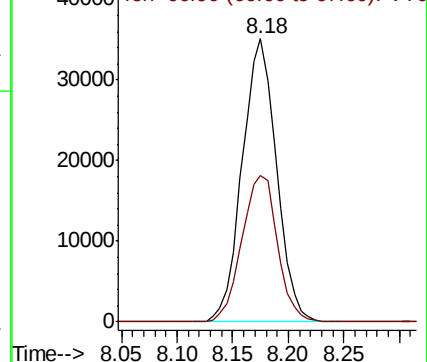
Ion Ratio Lower Upper

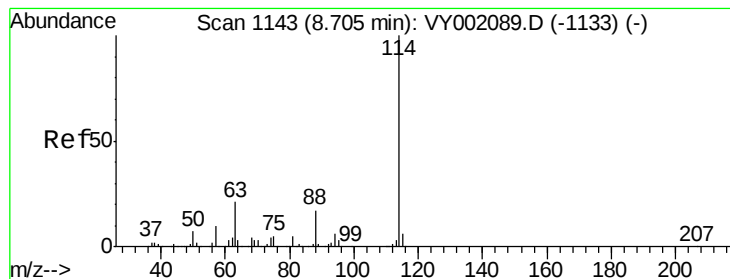
65 100

67 53.7 0.0 112.8



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: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

Instrument :

MSVOA_Y

ClientSampleId :

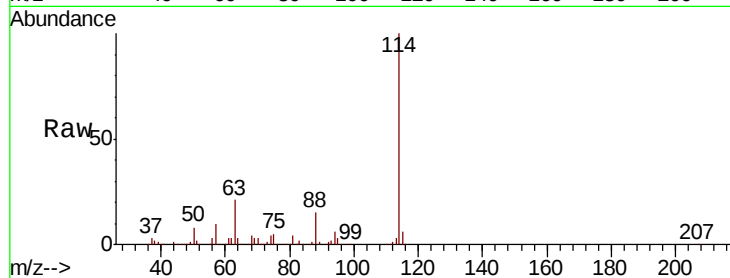
Tot Ion:114 Resp: 237598

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

88 15.3 0.0 33.0



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

8.72

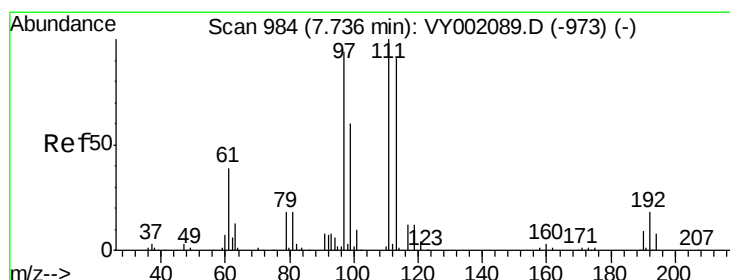
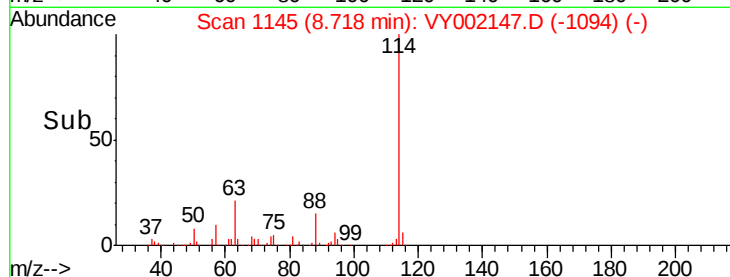
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#35

Dibromofluoromethane

Concen: 52.640 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.02 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

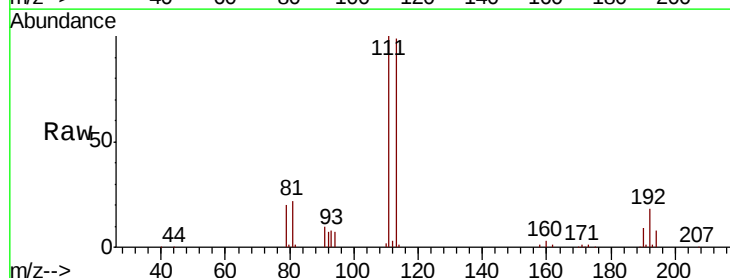
Tgt Ion:113 Resp: 70079

Ion Ratio Lower Upper

113 100

111 102.8 84.4 126.6

192 18.0 14.6 21.8



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

7.75

40000

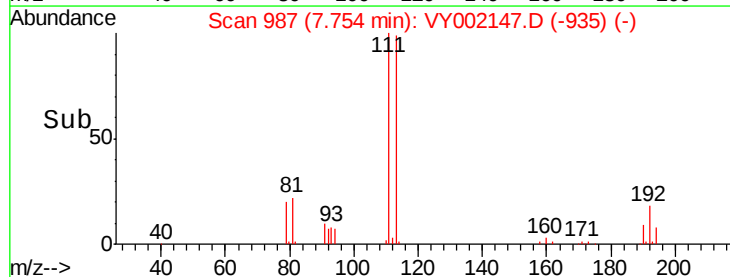
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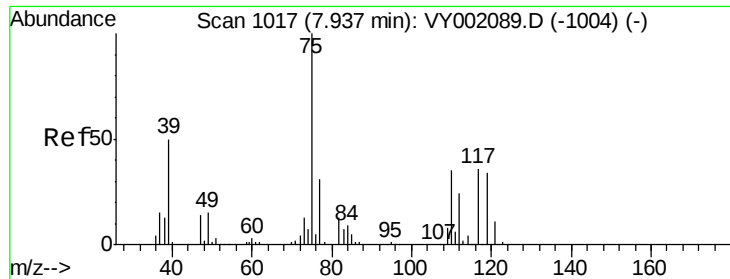
20000

10000

0

Time--> 7.70 7.80 7.90

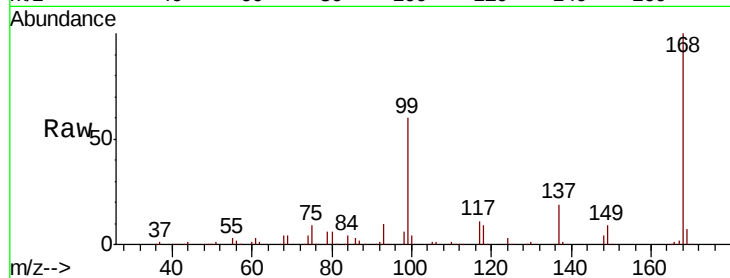




#36
 1,1-Dichloropropene
 Concen: 4.623 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002147.D
 Acq: 31 Mar 2020 20:27

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	110	77	Resp	Lower	Upper
10389	100	8.5	0.0		17.2	51.6#
					24.7	37.1#

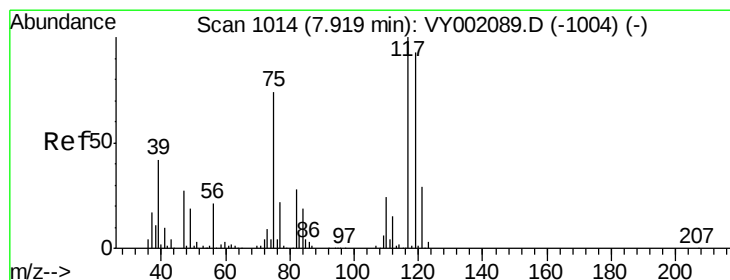
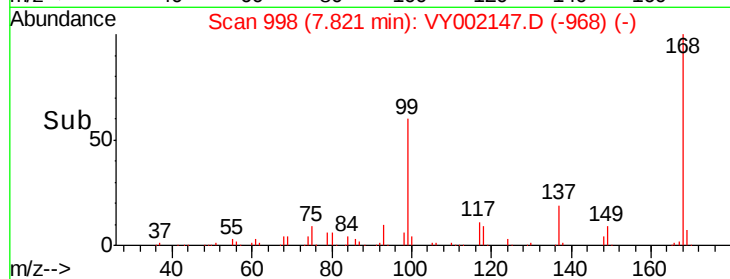
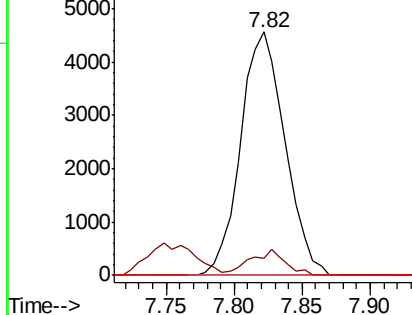


Abundance

Ion 74.90 (74.60 to 75.60): VY002147.D (-968) (-)

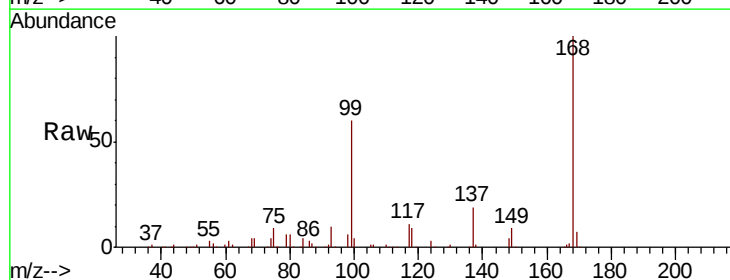
Ion 109.90 (109.60 to 110.60): VY002147.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002147.D (-968) (-)



#38
 Carbon Tetrachloride
 Concen: 6.717 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY002147.D
 Acq: 31 Mar 2020 20:27

Tgt Ion	117	119	121	Resp	Lower	Upper
12808	100	2.6	0.0		74.3	111.5#
					23.3	34.9#

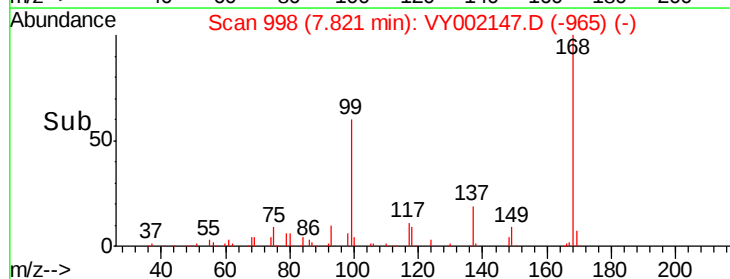
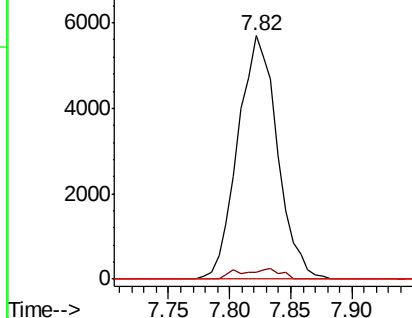


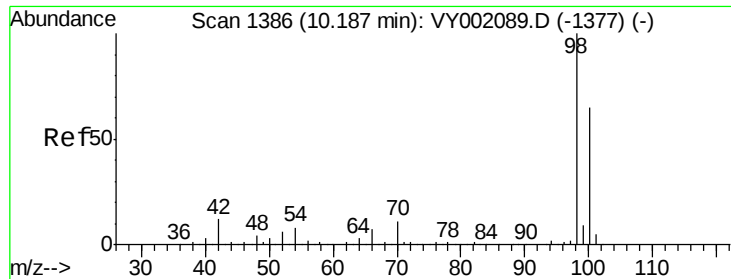
Abundance

Ion 116.80 (116.50 to 117.50): VY002147.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002147.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002147.D (-965) (-)





#50

Toluene-d8

Concen: 52.649 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

Instrument :

MSVOA_Y

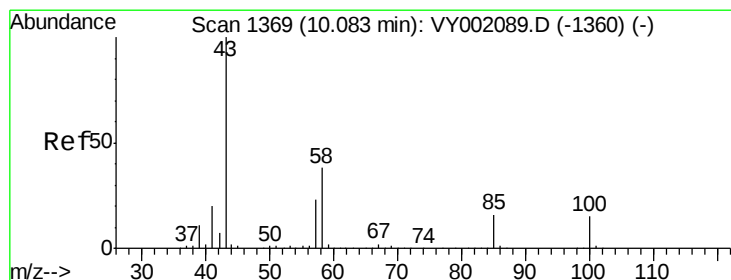
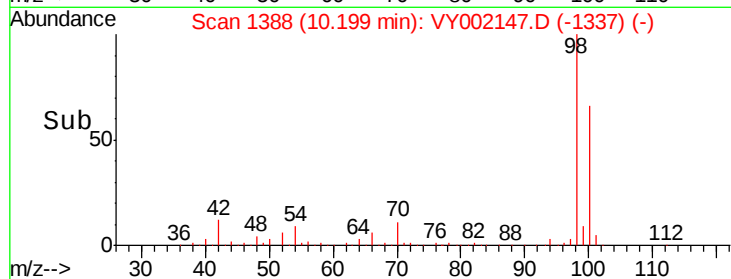
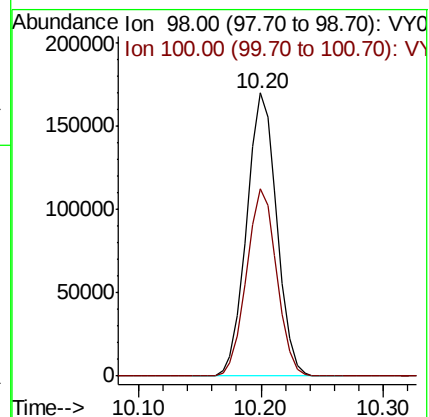
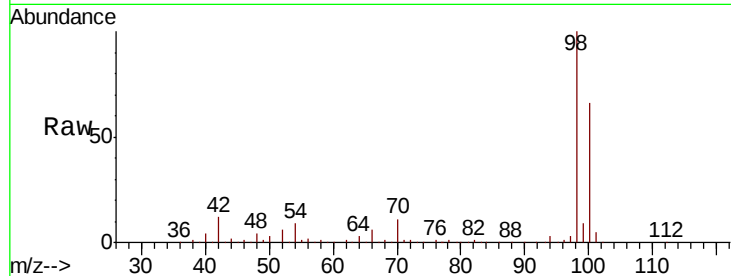
ClientSampleId :

Tot Ion: 98 Resp: 291175

Ion Ratio Lower Upper

98 100

100 66.0 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.208 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.12 min

Lab File: VY002147.D

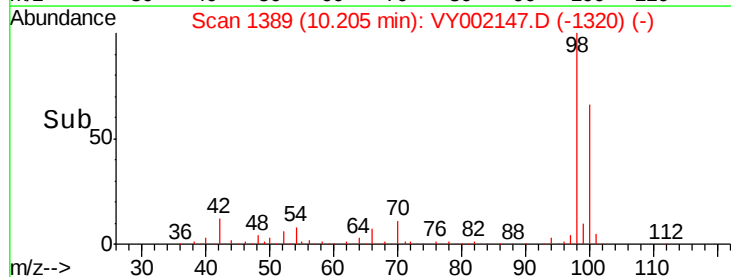
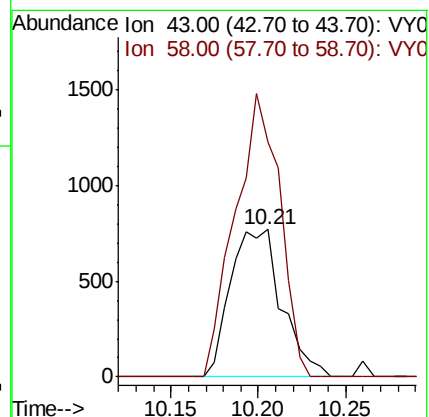
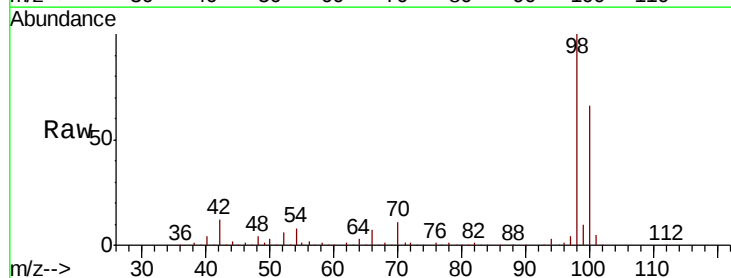
Acq: 31 Mar 2020 20:27

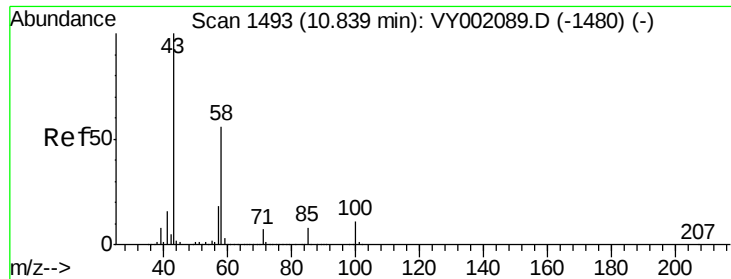
Tgt Ion: 43 Resp: 1568

Ion Ratio Lower Upper

43 100

58 167.8 31.6 47.4#





#59

2-Hexanone

Concen: 1.003 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.03 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

Instrument :

MSVOA_Y

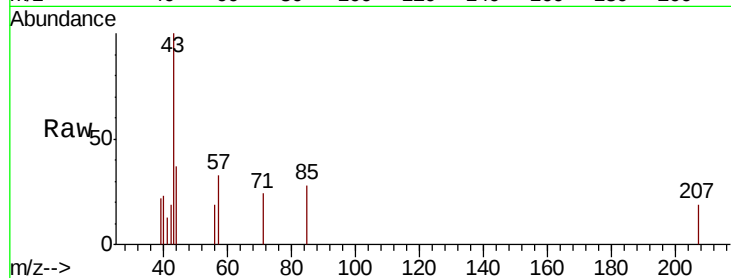
ClientSampled :

Tot Ion: 43 Resp: 917

Ion Ratio Lower Upper

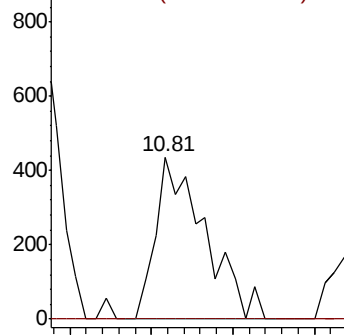
43 100

58 0.0 27.9 83.6#

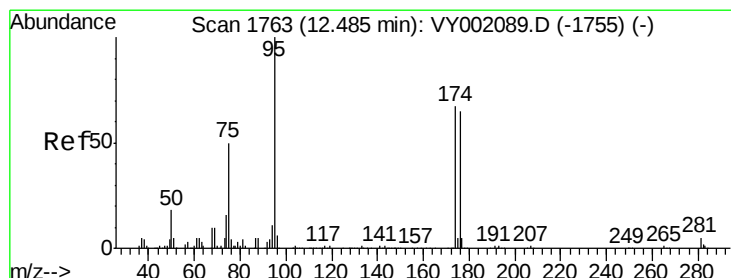
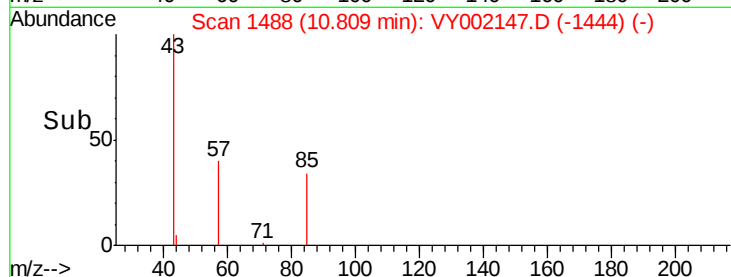


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#62

4-Bromofluorobenzene

Concen: 52.922 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

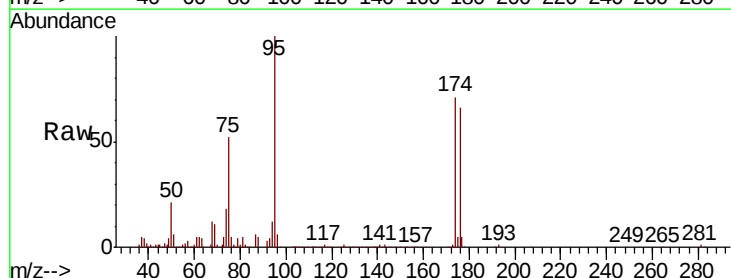
Tgt Ion: 95 Resp: 102362

Ion Ratio Lower Upper

95 100

174 72.3 0.0 143.4

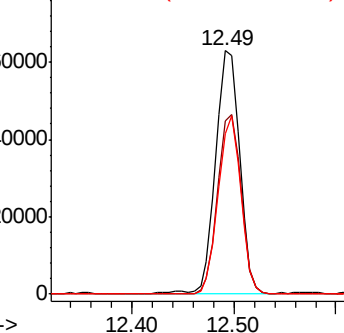
176 68.9 0.0 137.0



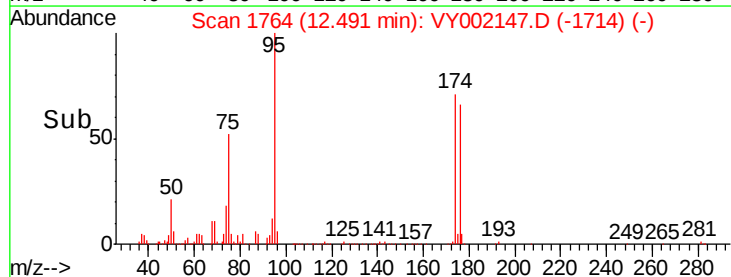
Abundance Ion 94.90 (94.60 to 95.60): VY0

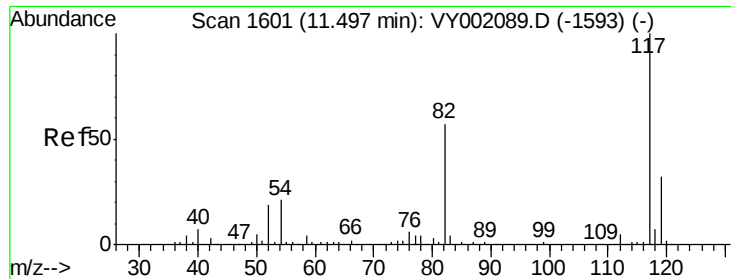
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

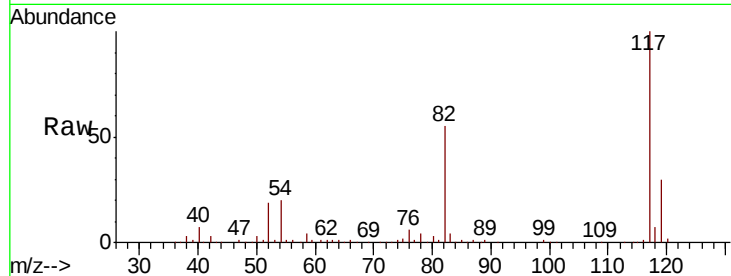




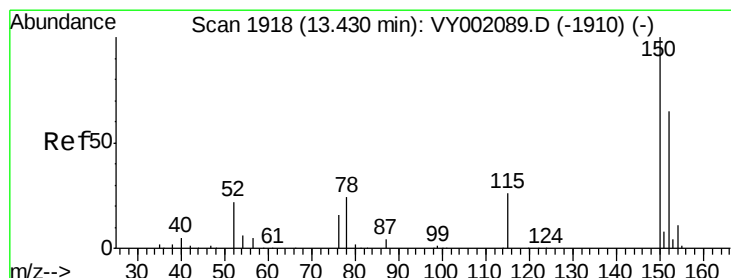
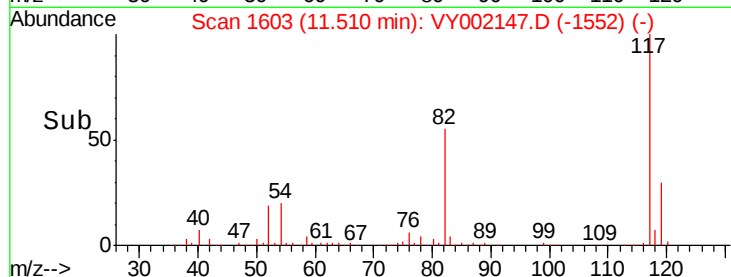
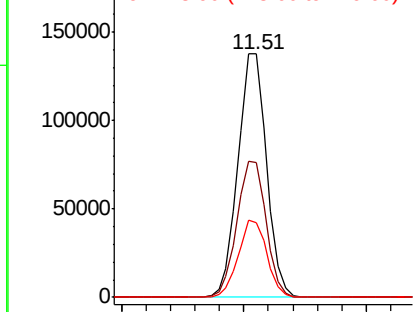
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002147.D
Acq: 31 Mar 2020 20:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 222929
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.2
119 30.5 25.3 37.9

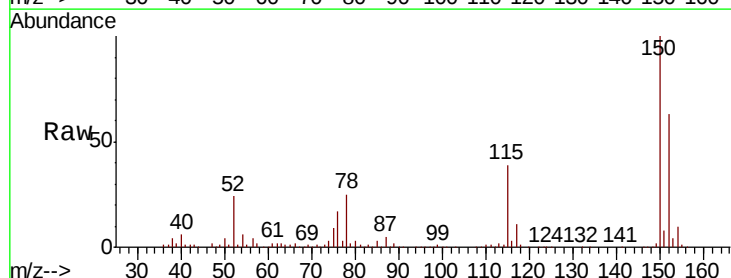


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

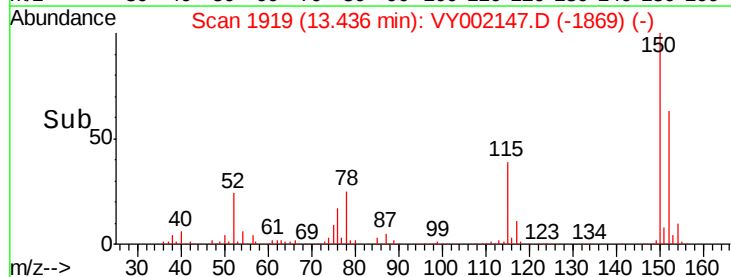
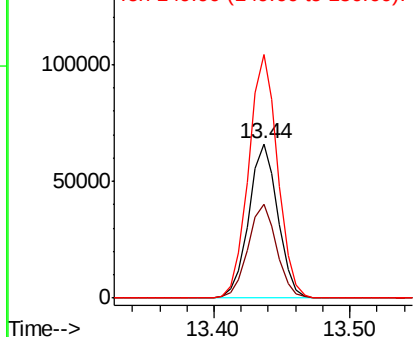


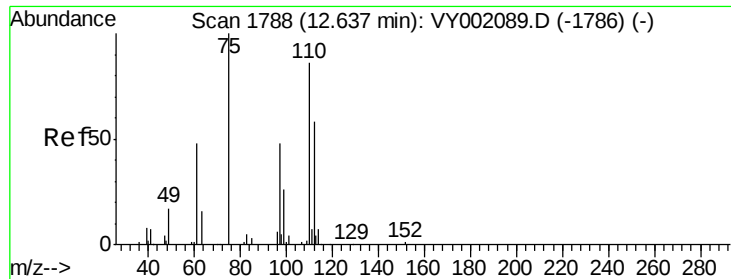
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002147.D
Acq: 31 Mar 2020 20:27

Tgt Ion:152 Resp: 98525
Ion Ratio Lower Upper
152 100
115 60.5 31.2 93.6
150 157.8 0.0 354.8



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: 47.036 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

Instrument :

MSVOA_Y

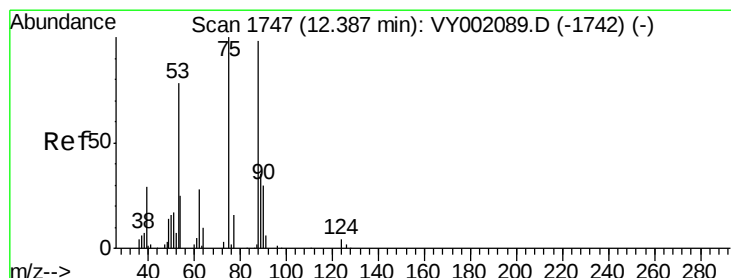
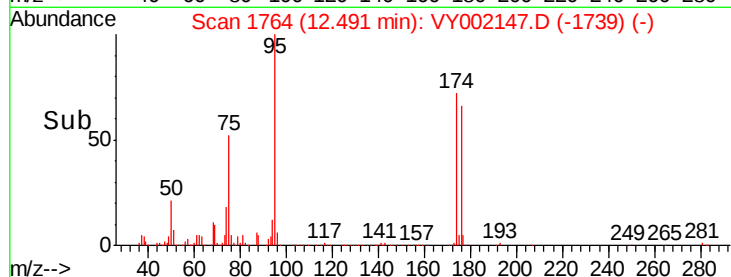
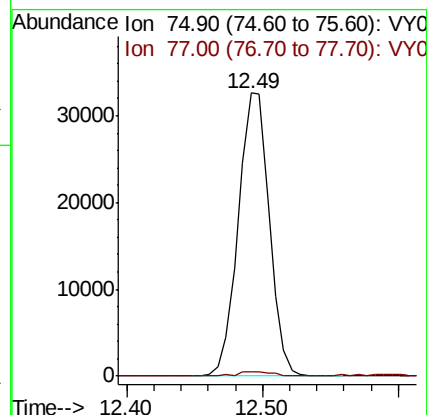
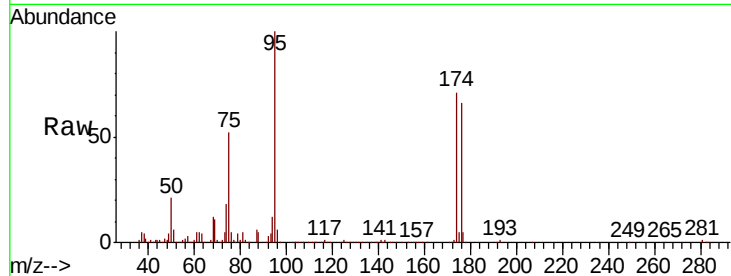
ClientSampleId :

Tot Ion: 75 Resp: 51838

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.125 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002147.D

Acq: 31 Mar 2020 20:27

Tgt Ion: 75 Resp: 51838

Ion Ratio Lower Upper

75 100

53 0.6 65.0 97.4#

89 0.0 33.4 50.0#

