

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002141.D
 Acq On : 31 Mar 2020 18:13
 Operator : SY/MD
 Sample : L2051-01
 Misc : 6.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:00:50 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	117850	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	228696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	191351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	66733	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	73010	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	7.75	113	57663	45.00	ug/l	0.01
Spiked Amount			Recovery	=	90.00%	
50) Toluene-d8	10.19	98	267636	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.49	95	76564	41.12	ug/l	0.00
Spiked Amount			Recovery	=	82.24%	

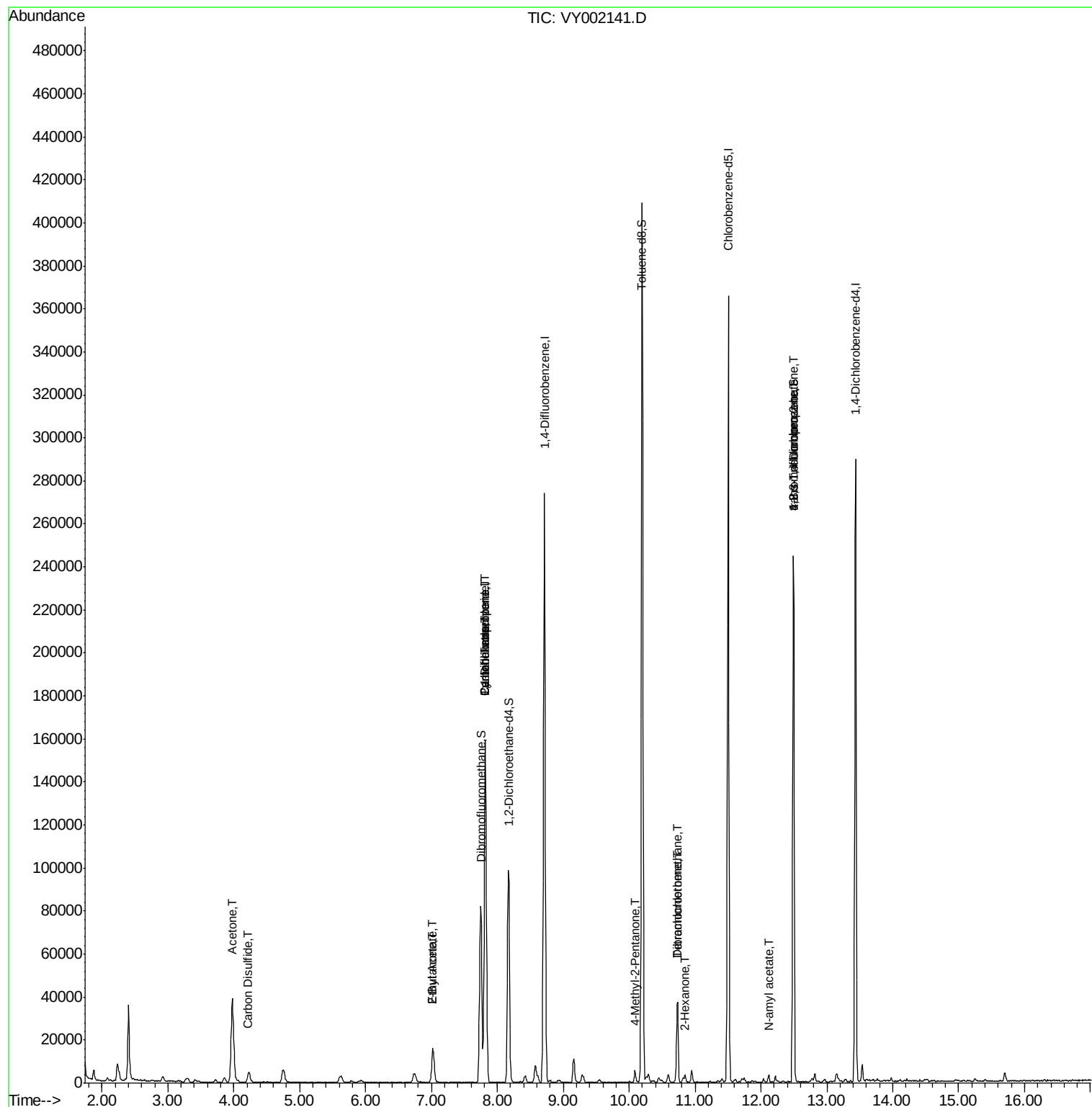
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	70011	191.276	ug/l	99
17) Carbon Disulfide	4.22	76	8402	1.980	ug/l #	92
20) Methylene Chloride	4.76	84	4414	Below Cal	#	78
25) 2-Butanone	7.02	43	26152	46.532	ug/l	96
31) Cyclohexane	7.82	56	2840	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	10182	4.707	ug/l #	49
37) Ethyl Acetate	7.02	43	26152	20.006	ug/l #	68
38) Carbon Tetrachloride	7.82	117	12274	6.688	ug/l #	17
51) 4-Methyl-2-Pentanone	10.09	43	3617	2.895	ug/l	98
59) 2-Hexanone	10.85	43	1993	2.265	ug/l	88
60) Dibromochloromethane	10.74	129	7316	5.638	ug/l #	11
64) Tetrachloroethene	10.74	164	7776	6.642	ug/l	92
74) N-amyl acetate	12.12	43	2339	1.498	ug/l #	45
76) 1,2,3-Trichloropropane	12.49	75	40824	54.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	40824	105.952	ug/l #	17

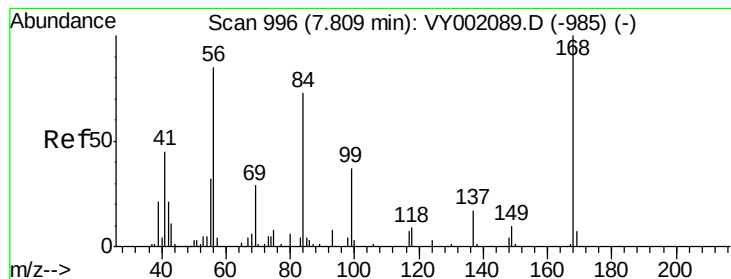
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
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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: VY002141.D

Acq: 31 Mar 2020 18:13

Instrument :

MSVOA_Y

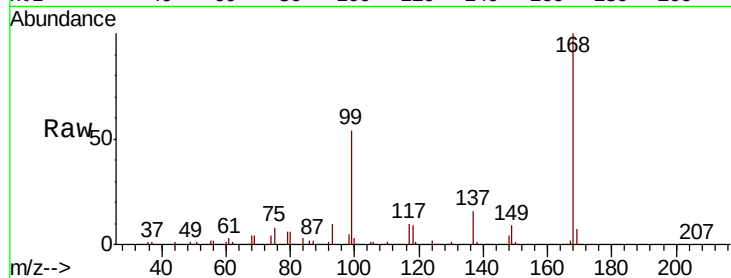
ClientSampleId :

Tot Ion:168 Resp: 117850

Ion Ratio Lower Upper

168 100

99 54.2 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002141.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002141.D (-947) (-)

7.82

60000

50000

40000

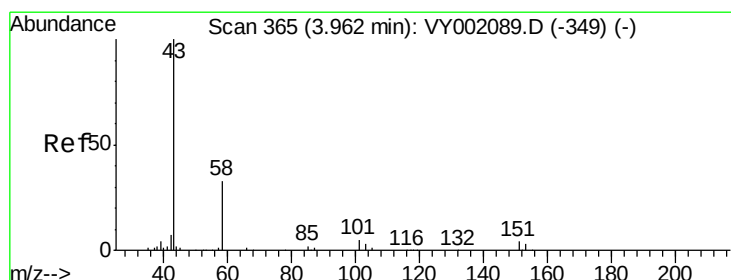
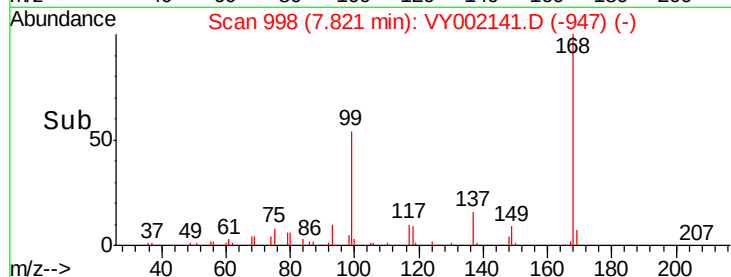
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 191.276 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002141.D

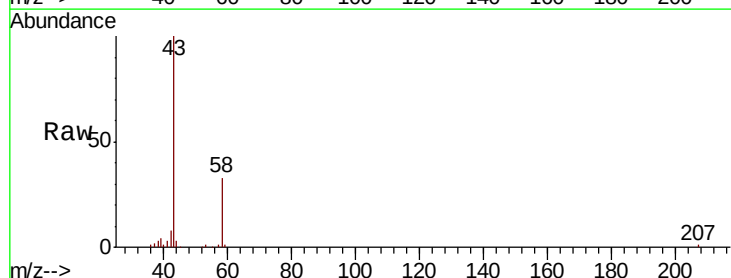
Acq: 31 Mar 2020 18:13

Tgt Ion: 43 Resp: 70011

Ion Ratio Lower Upper

43 100

58 33.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY002141.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002141.D (-316) (-)

3.97

25000

20000

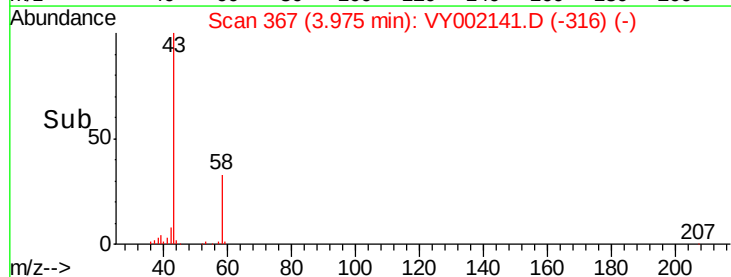
15000

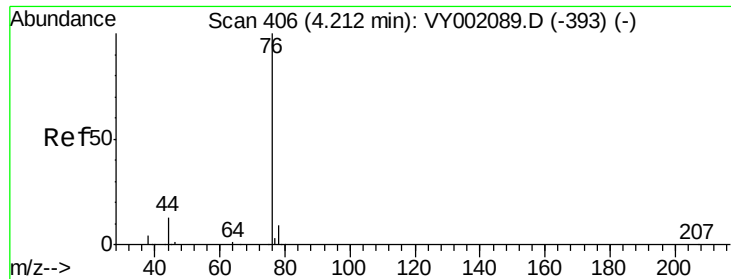
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 1.980 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

Instrument :

MSVOA_Y

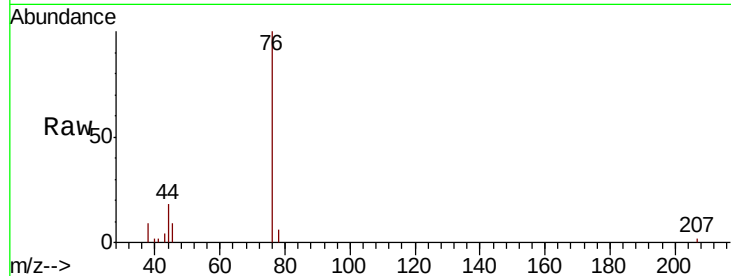
ClientSampleId :

Tot Ion: 76 Resp: 8402

Ion Ratio Lower Upper

76 100

78 6.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VY002141.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VY002141.D (-393) (-)

4.22

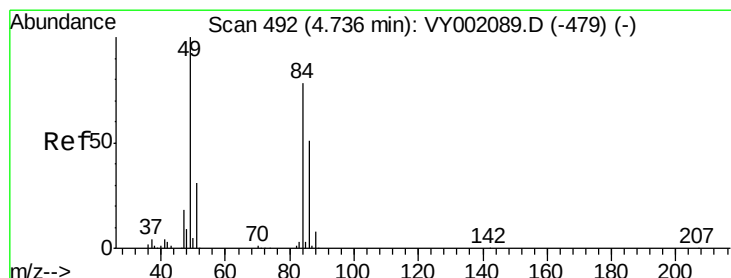
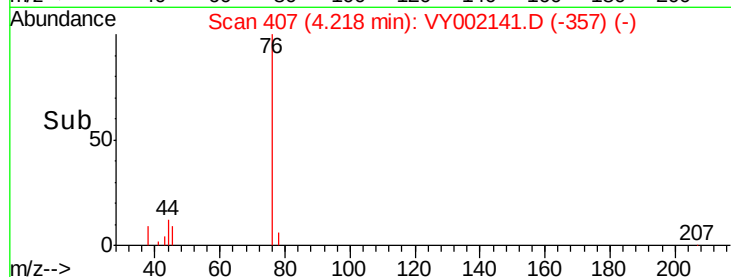
3000

2000

1000

0

Time--> 4.10 4.20 4.30



#20

Methylene Chloride

Concen: Below Cal

RT: 4.76 min Scan# 496

Delta R.T. 0.02 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

Tgt Ion: 84 Resp: 4414

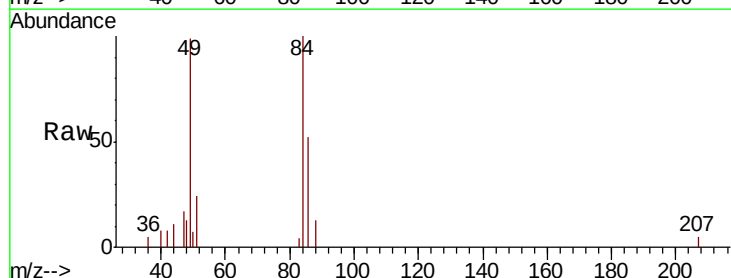
Ion Ratio Lower Upper

84 100

49 99.2 102.2 153.4#

51 24.1 31.2 46.8#

86 52.3 52.6 78.8#



Abundance Ion 83.90 (83.60 to 84.60): VY002141.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002141.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002141.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002141.D (-479) (-)

2500

2000

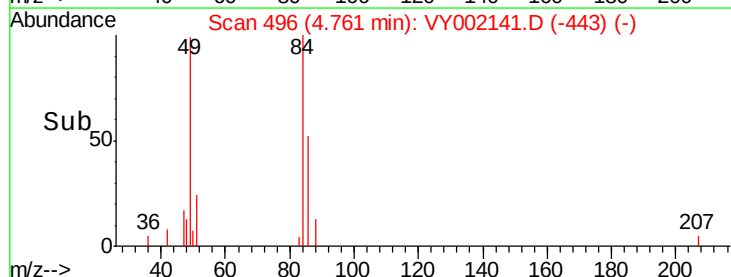
1500

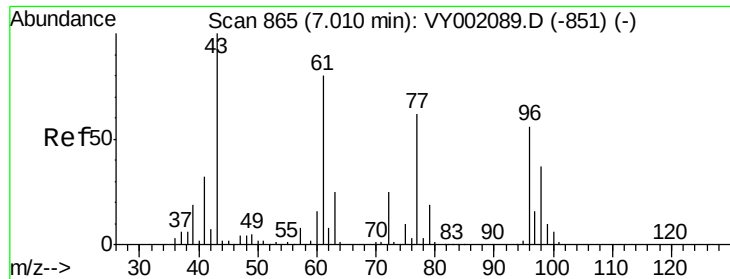
1000

500

0

Time--> 4.65 4.70 4.75 4.80 4.85





#25

2-Butanone

Concen: 46.532 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

Instrument :

MSVOA_Y

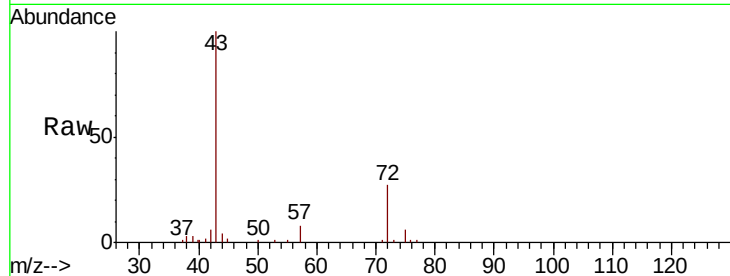
ClientSampled :

Tot Ion: 43 Resp: 26152

Ion Ratio Lower Upper

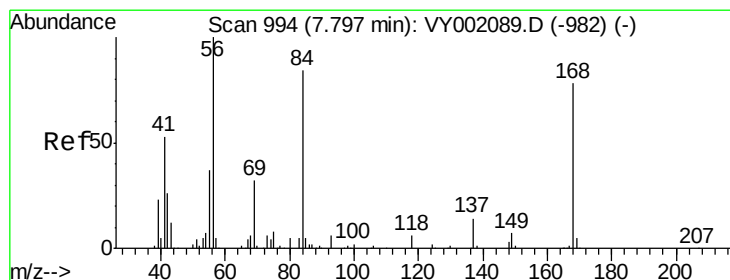
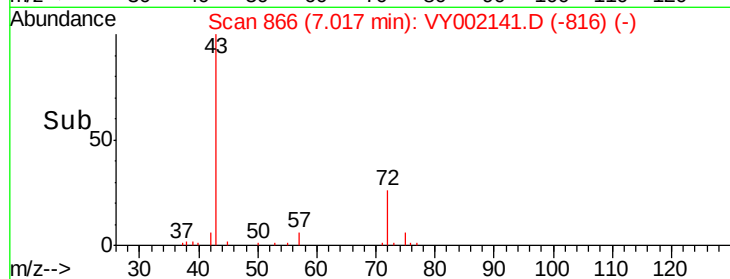
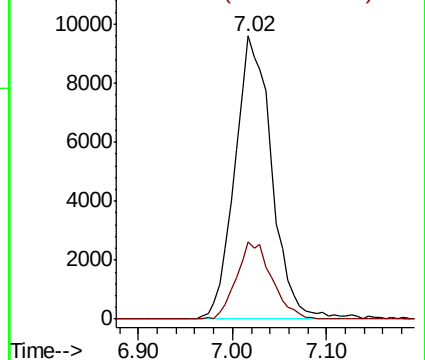
43 100

72 27.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

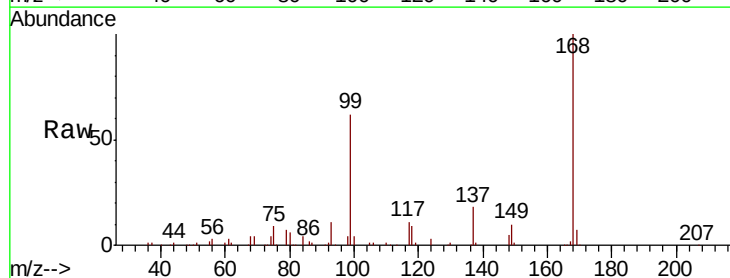
Tgt Ion: 56 Resp: 2840

Ion Ratio Lower Upper

56 100

69 149.7 25.8 38.8#

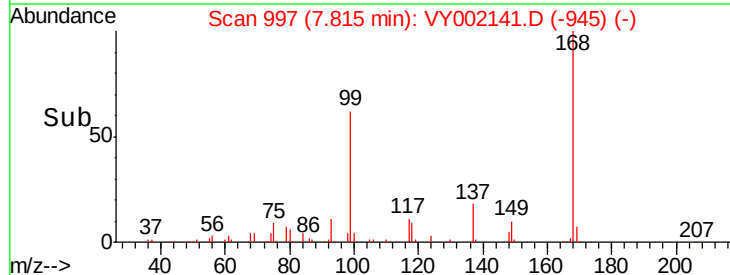
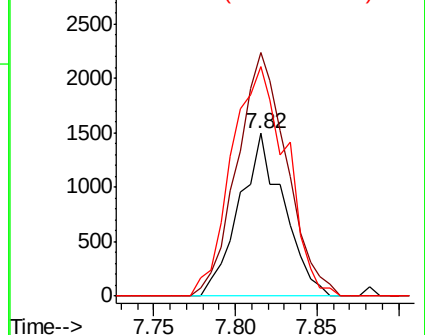
84 140.7 67.1 100.7#

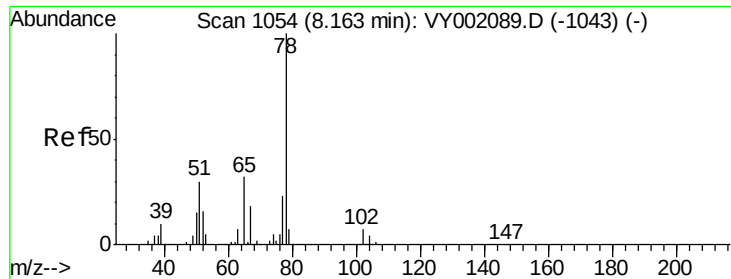


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 56.041 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

Instrument :

MSVOA_Y

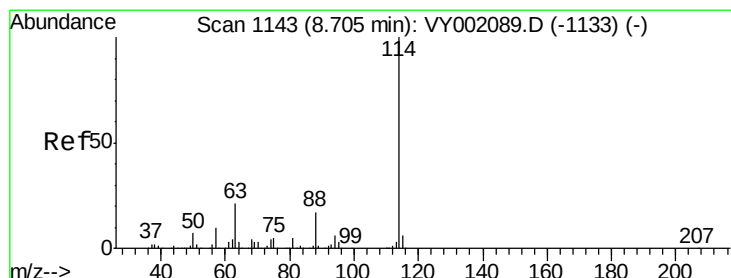
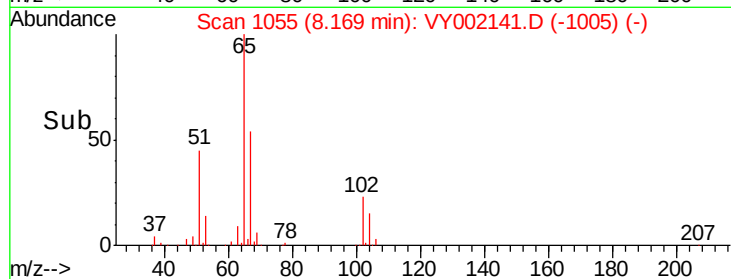
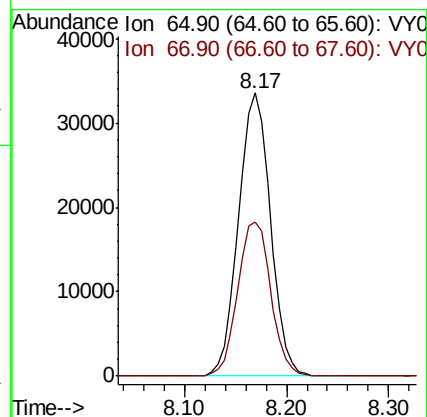
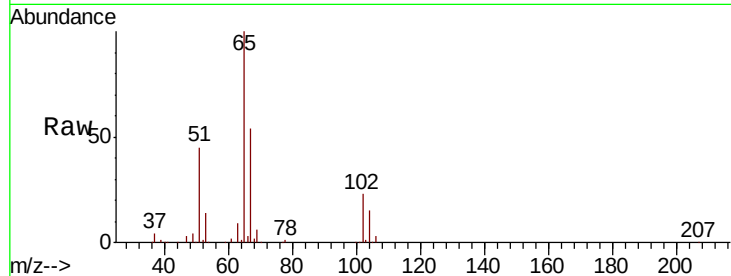
ClientSampleId :

Tot Ion: 65 Resp: 73010

Ion Ratio Lower Upper

65 100

67 56.1 0.0 112.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

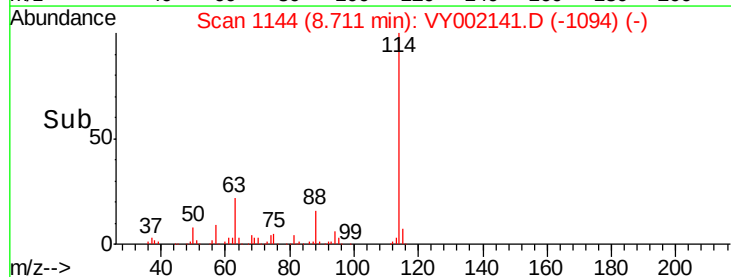
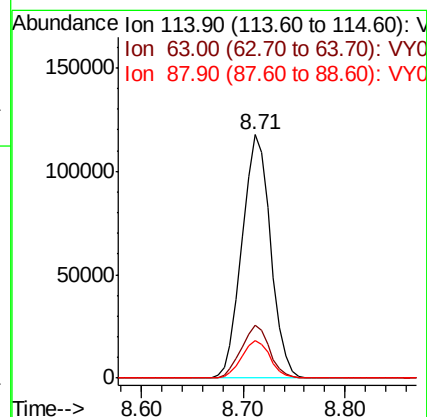
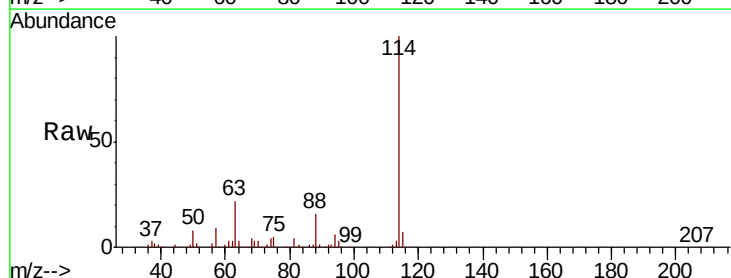
Tgt Ion: 114 Resp: 228696

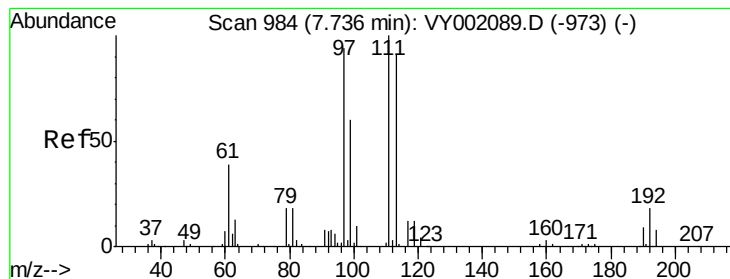
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.4

88 15.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 44.999 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

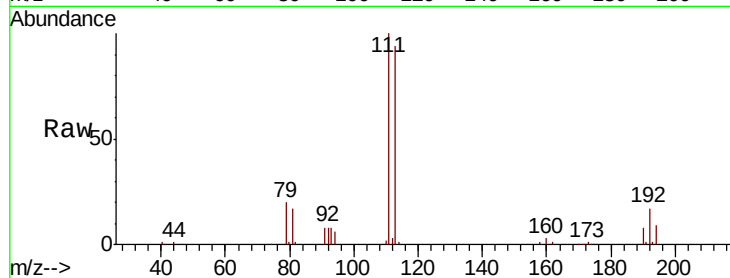
Tot Ion:113 Resp: 57663

Ion Ratio Lower Upper

113 100

111 105.1 84.4 126.6

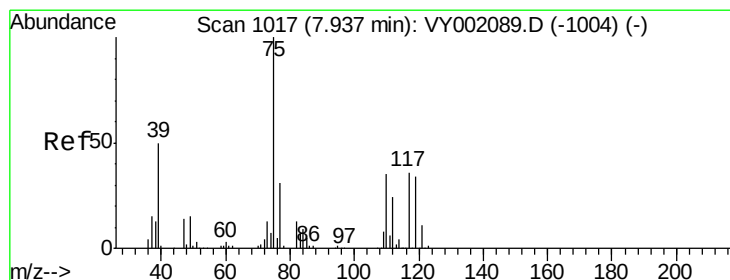
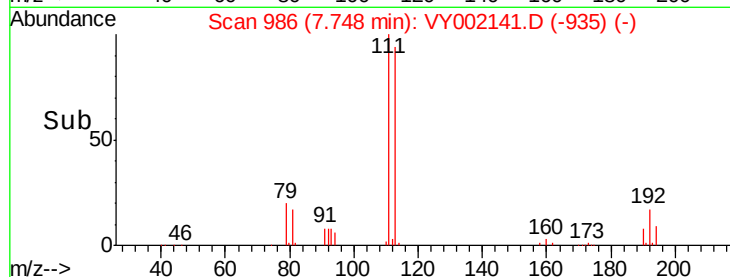
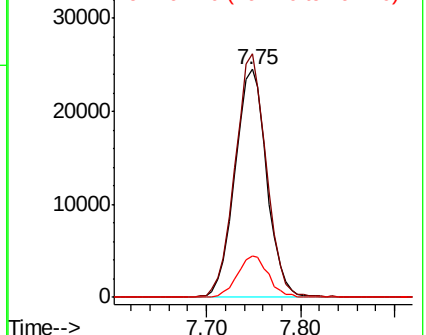
192 17.7 14.6 21.8



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



#36

1,1-Dichloropropene

Concen: 4.707 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

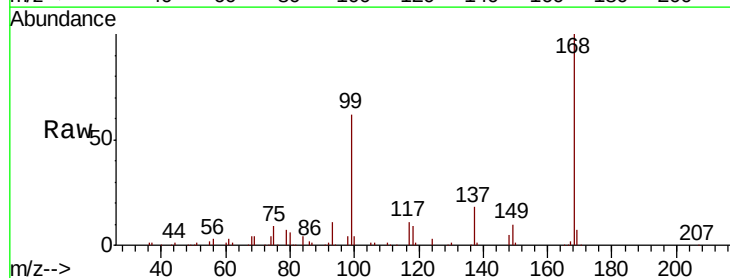
Tgt Ion: 75 Resp: 10182

Ion Ratio Lower Upper

75 100

110 8.3 17.2 51.6#

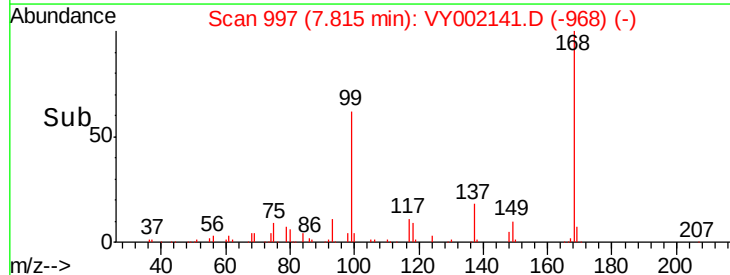
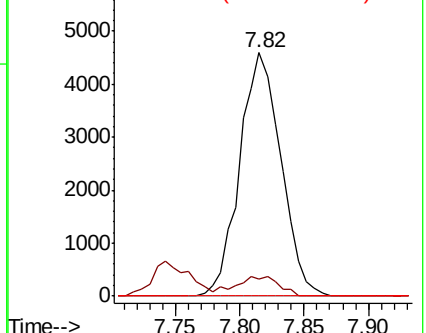
77 0.0 24.7 37.1#

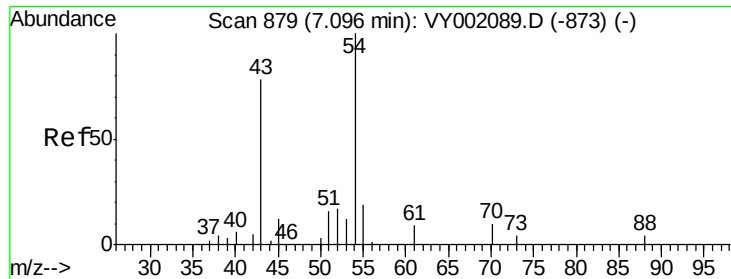


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

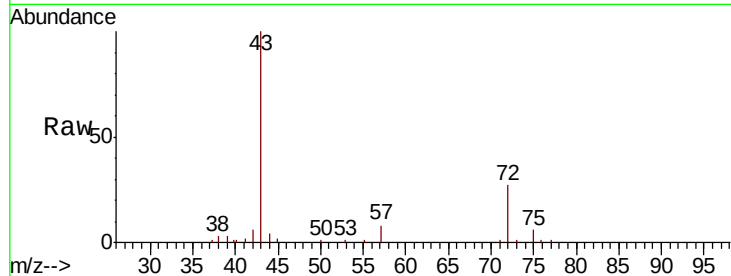




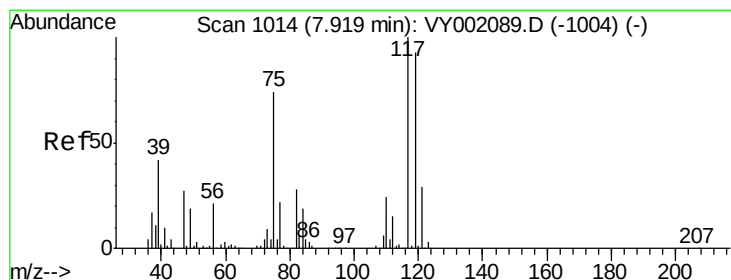
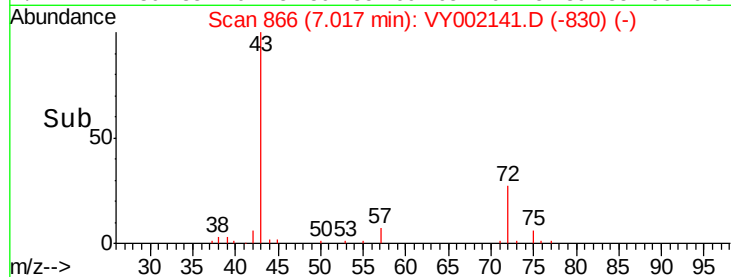
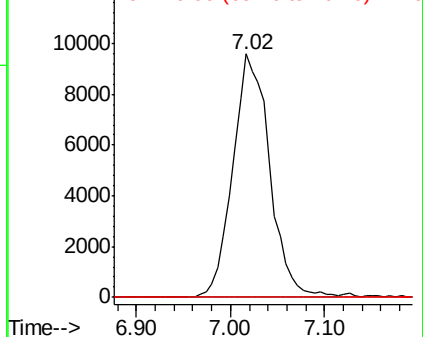
#37
Ethyl Acetate
Concen: 20.006 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.08 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 26152
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.2 12.4#

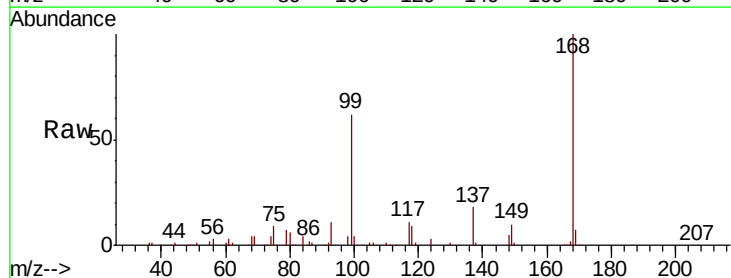


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

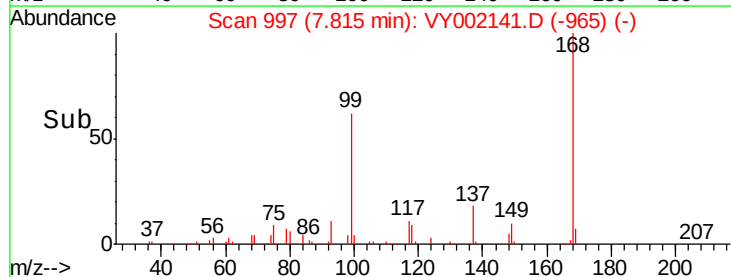
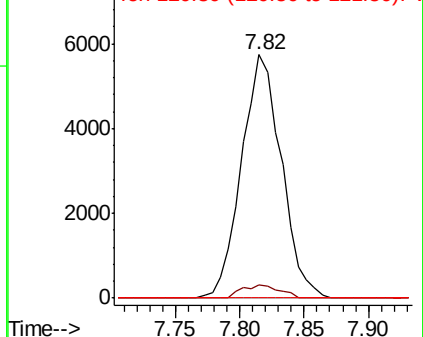


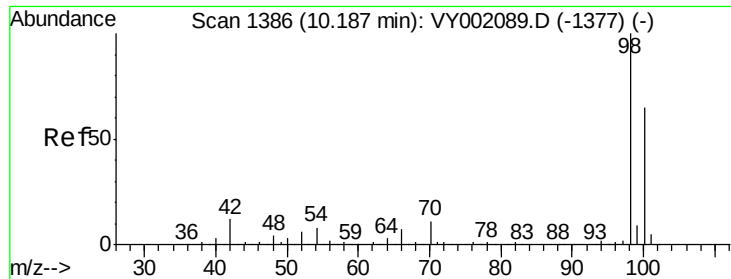
#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

Tgt Ion: 117 Resp: 12274
Ion Ratio Lower Upper
117 100
119 5.2 74.3 111.5#
121 0.0 23.3 34.9#



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: 50.276 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

Instrument :

MSVOA_Y

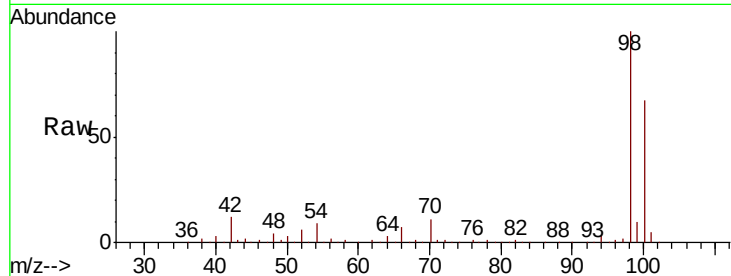
ClientSampleId :

Tot Ion: 98 Resp: 267636

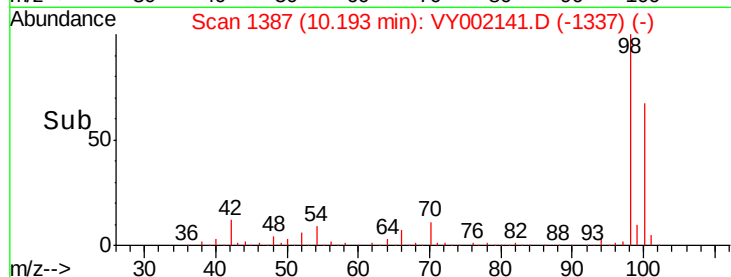
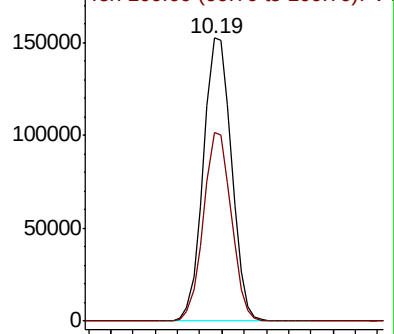
Ion Ratio Lower Upper

98 100

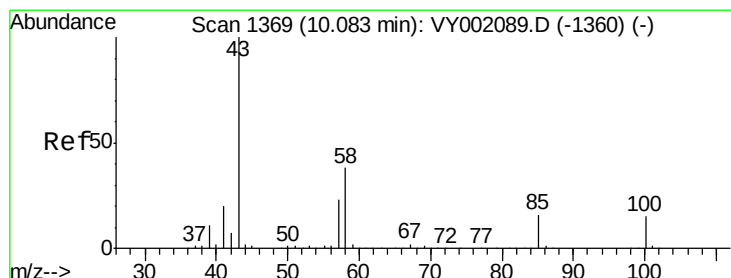
100 65.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002089.D (-1377) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.895 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002141.D

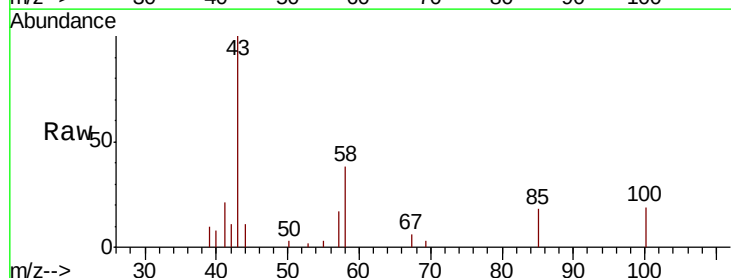
Acq: 31 Mar 2020 18:13

Tgt Ion: 43 Resp: 3617

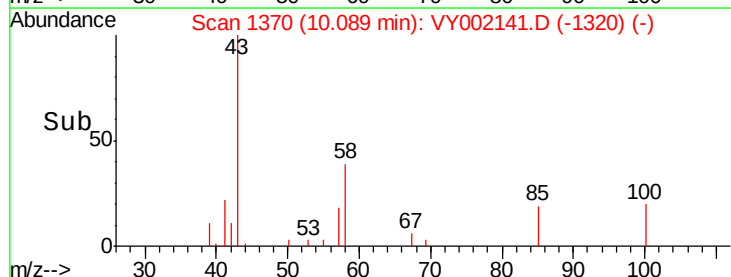
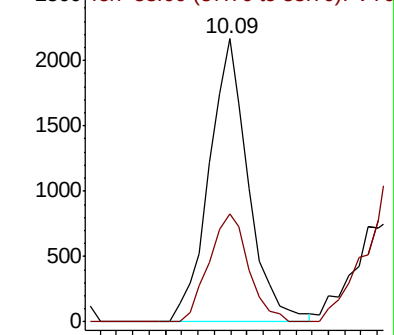
Ion Ratio Lower Upper

43 100

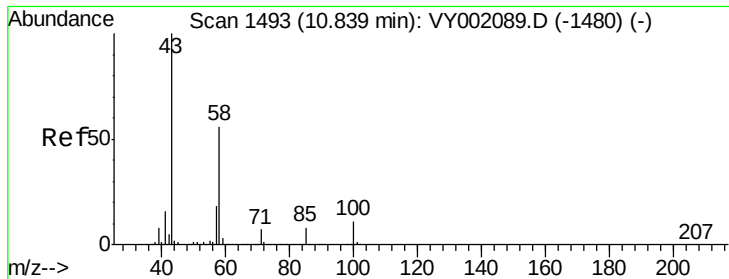
58 38.5 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-1360) (-)



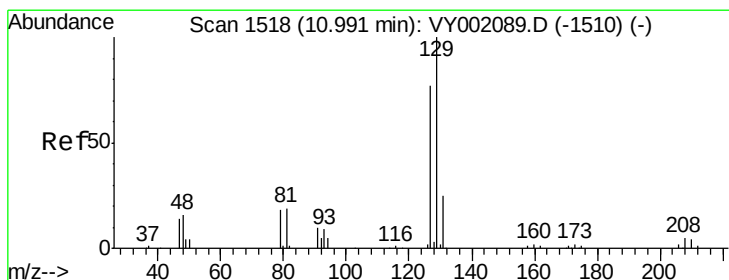
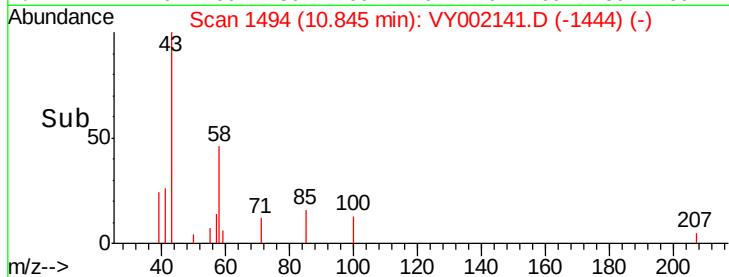
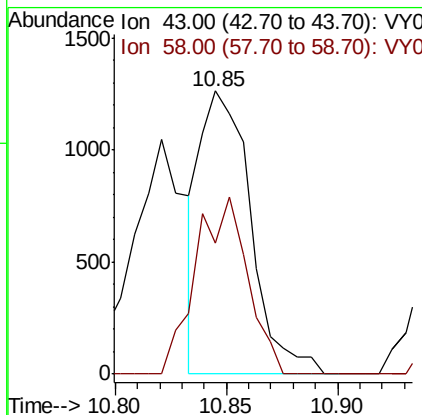
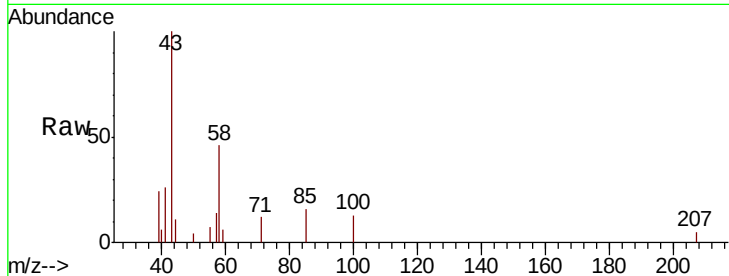
Time-->



#59
2-Hexanone
Concen: 2.265 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

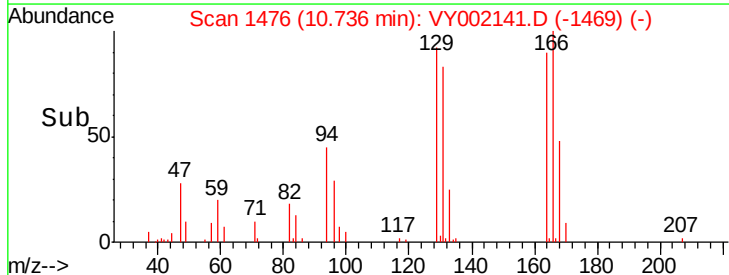
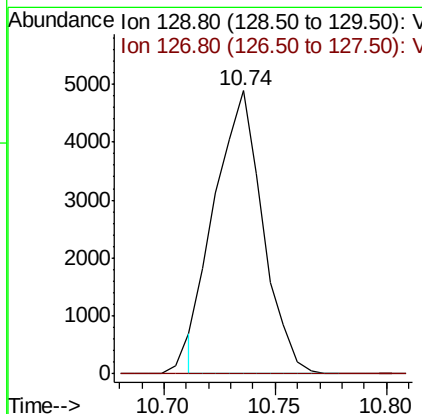
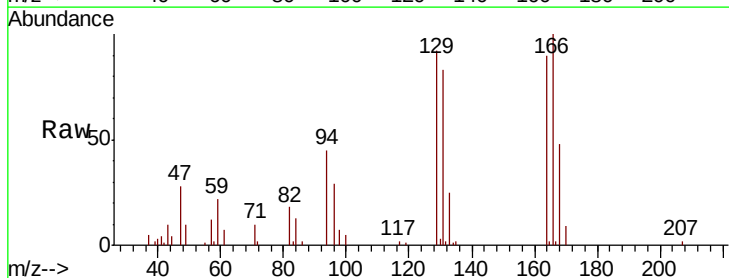
Instrument :
MSVOA_Y
ClientSampleId :

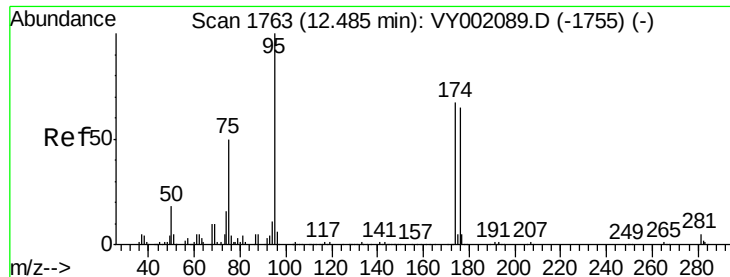
Tot Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
58 64.1 27.9 83.6



#60
Dibromochloromethane
Concen: 5.638 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. -0.26 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

Tgt Ion: 129 Resp: 7316
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

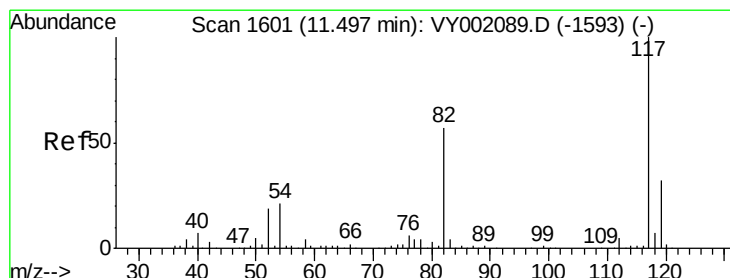
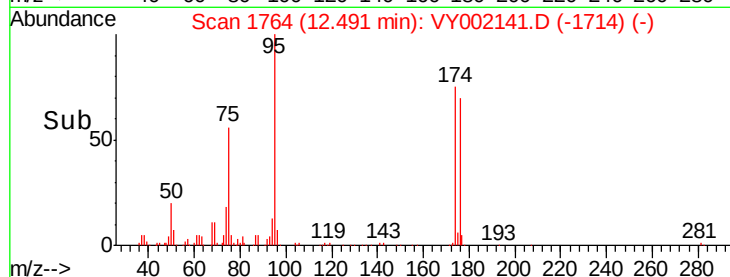
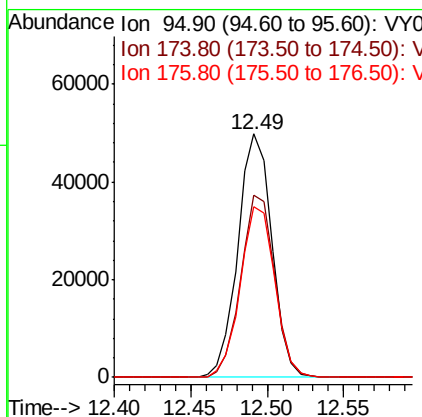
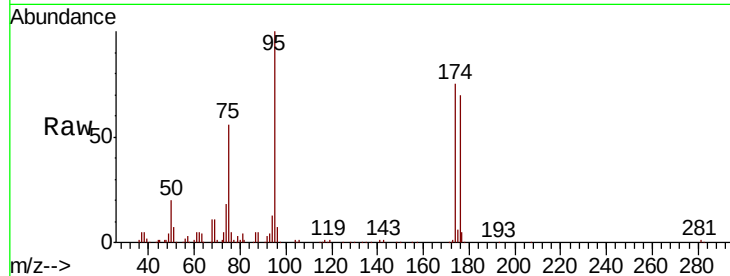




#62
4-Bromofluorobenzene
Concen: 41.125 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

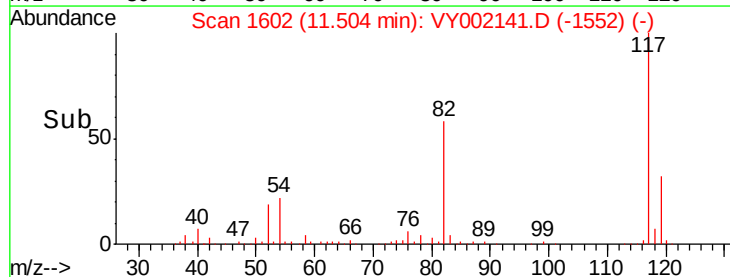
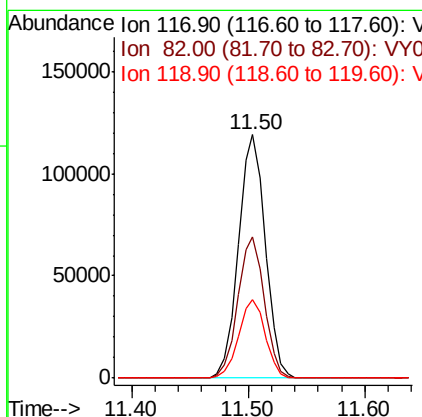
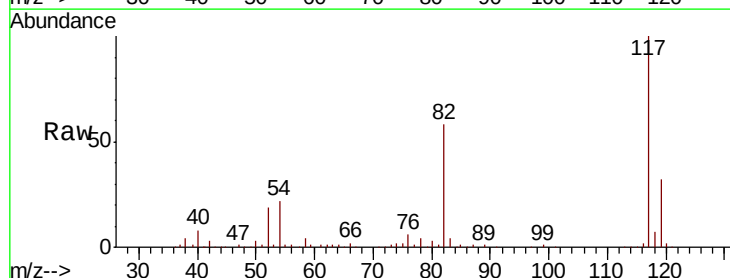
Instrument :
MSVOA_Y
ClientSampleId :

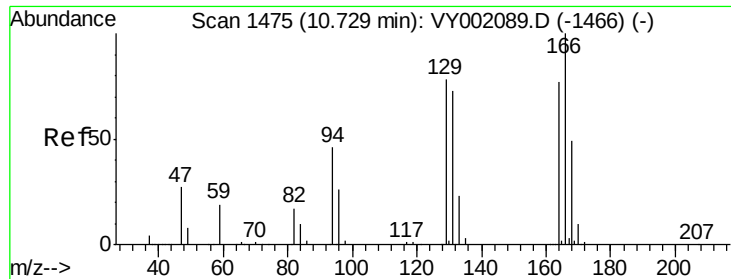
Tot Ion: 95 Resp: 76564
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.4
176 71.6 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

Tgt Ion: 117 Resp: 191351
Ion Ratio Lower Upper
117 100
82 57.9 45.4 68.2
119 32.2 25.3 37.9

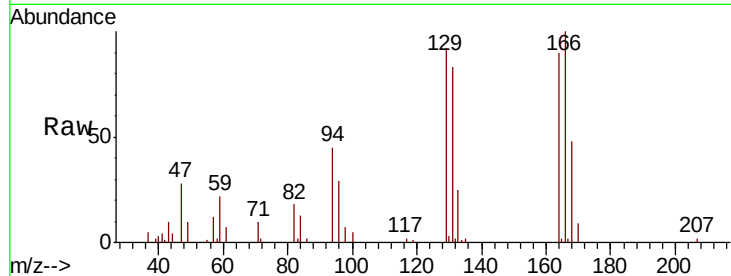




#64
Tetrachloroethene
Concen: 6.642 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	110.5	104.0	156.0
129	101.3	81.2	121.8
131	91.4	75.8	113.6



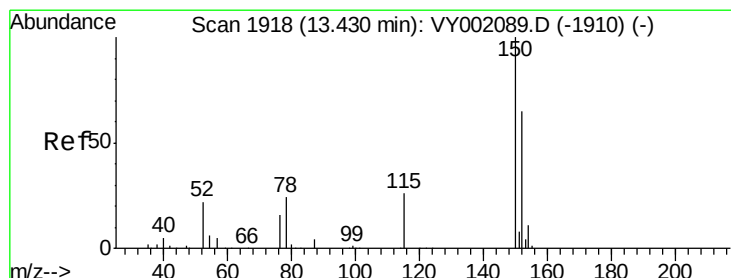
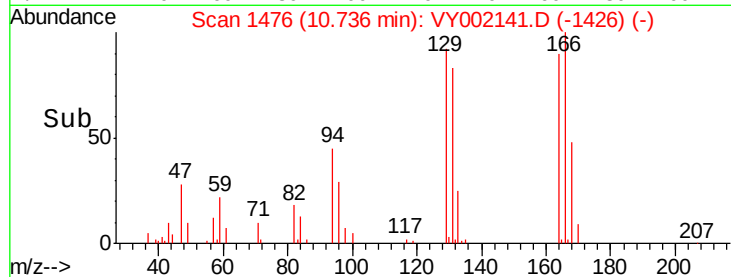
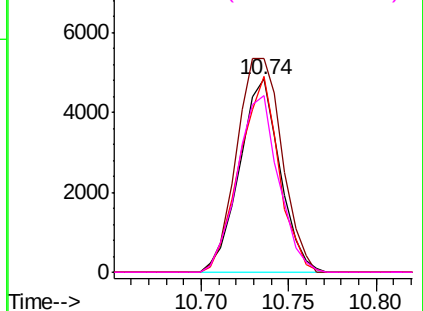
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

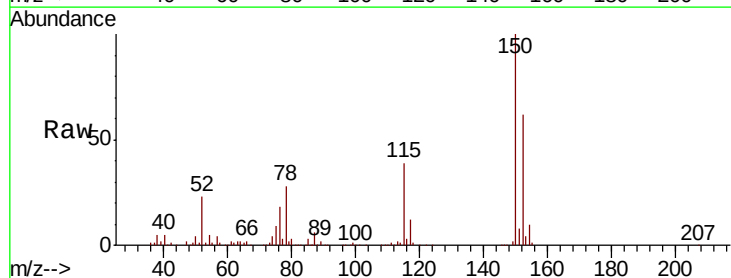
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VY002141.D
Acq: 31 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.2	93.6
150	161.6	0.0	354.8

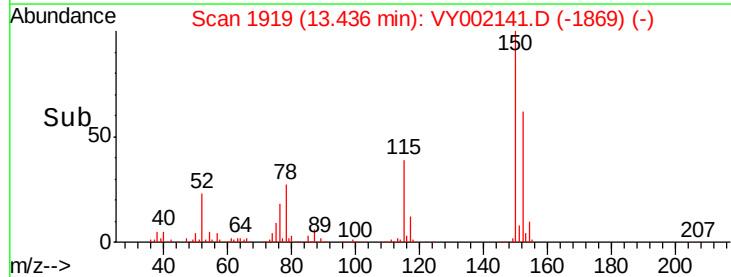
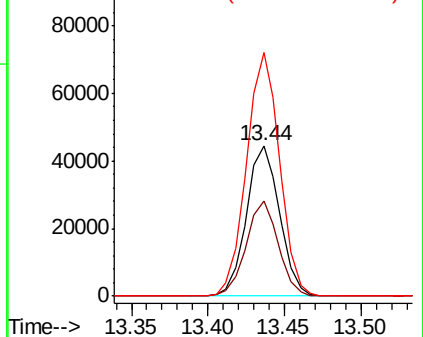


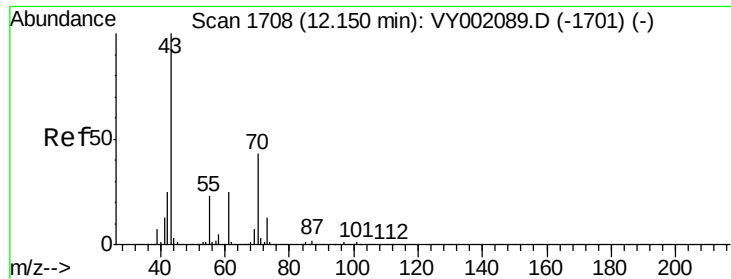
Abundance

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

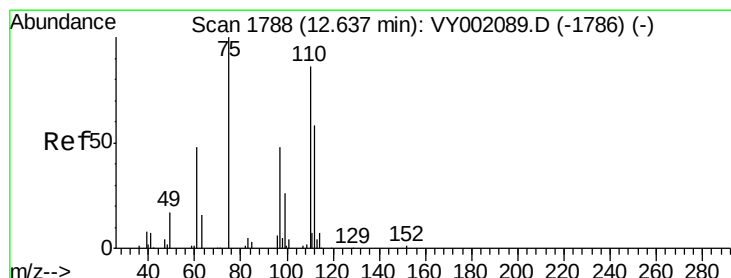
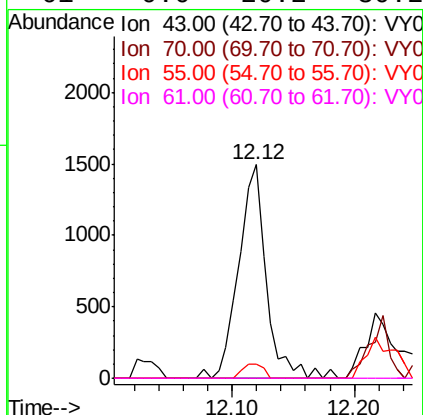
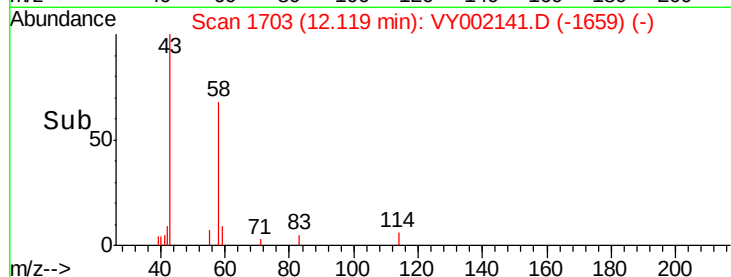
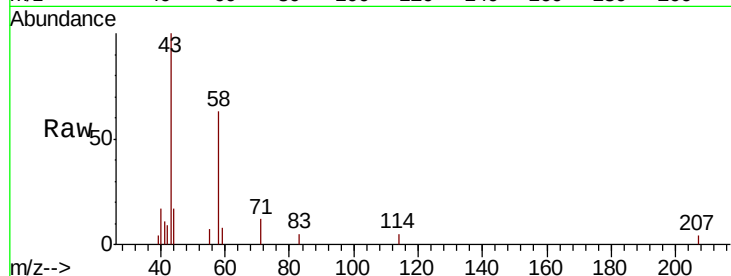




#74
N-amvl acetate
Concen: 1.498 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.03 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

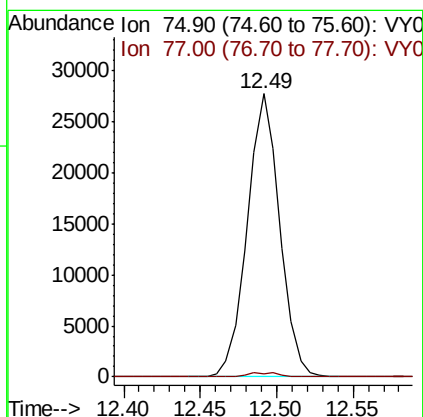
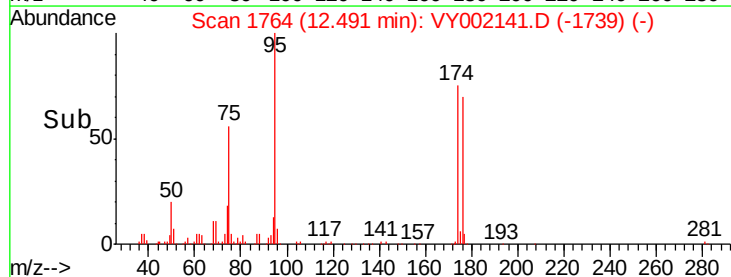
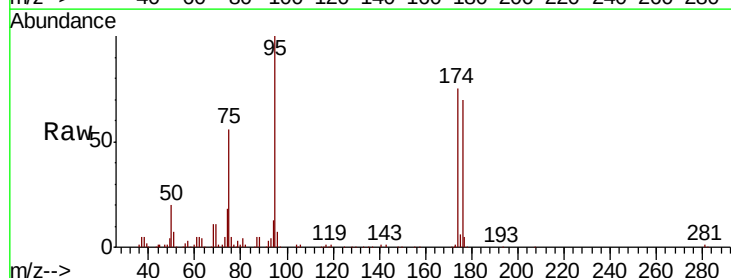
Instrument :
MSVOA_Y
ClientSampleId :

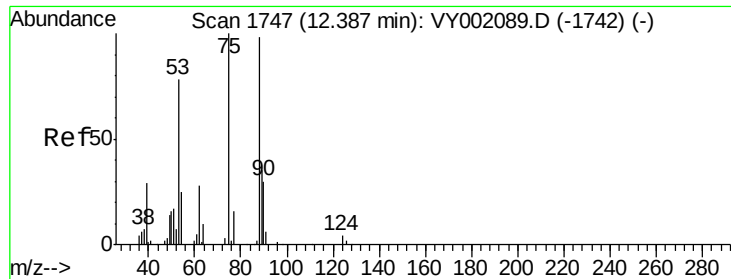
Tot Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 5.0 18.7 28.1#
61 0.0 20.2 30.2#



#76
1,2,3-Trichloropropane
Concen: 54.689 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002141.D
Acq: 31 Mar 2020 18:13

Tgt Ion: 75 Resp: 40824
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 105.952 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002141.D

Acq: 31 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

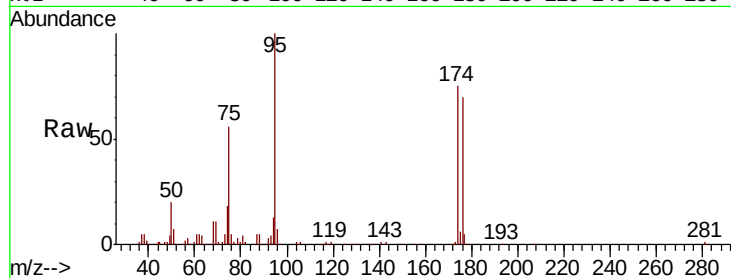
Tot Ion: 75 Resp: 40824

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.0 33.4 50.0#



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

