

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002149.D
 Acq On : 31 Mar 2020 21:12
 Operator : SY/MD
 Sample : L2089-05
 Misc : 8.25G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:02:02 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

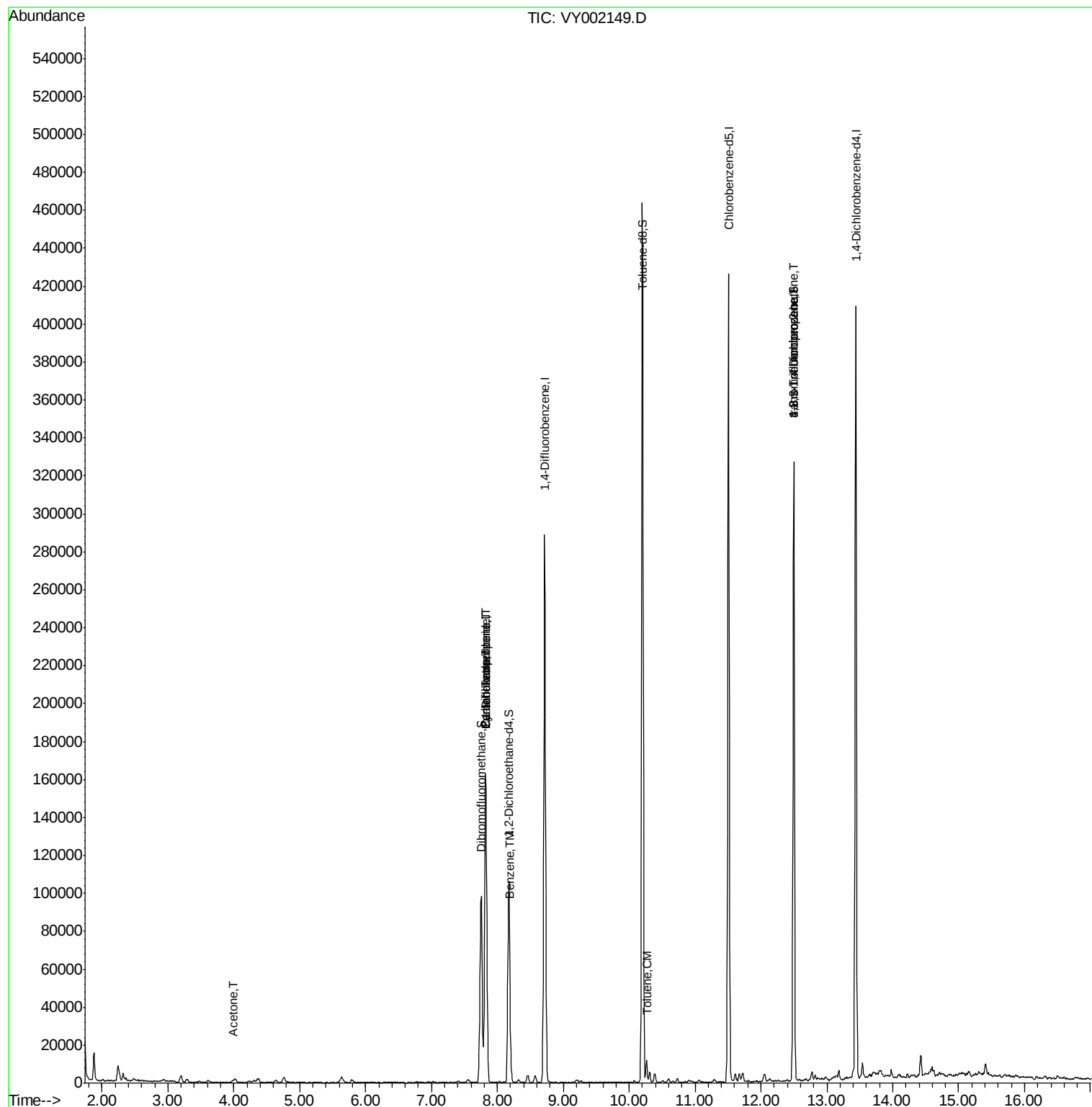
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	122234	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	242633	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	227962	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	100724	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	75296	55.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.44%	
35) Dibromofluoromethane	7.75	113	70762	52.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.20	98	297544	52.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.50	95	102785	52.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.08%	
Target Compounds						
					Qvalue	
16) Acetone	3.99	43	1537	4.049	ug/l #	67
20) Methylene Chloride	4.75	84	1818	Below Cal	#	80
31) Cyclohexane	7.82	56	3072	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	10163	4.428	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12483	6.411	ug/l #	18
40) Benzene	8.19	78	7152	1.052	ug/l	91
52) Toluene	10.27	92	4513	1.098	ug/l	98
76) 1,2,3-Trichloropropane	12.50	75	53304	47.310	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	53304	91.656	ug/l #	17

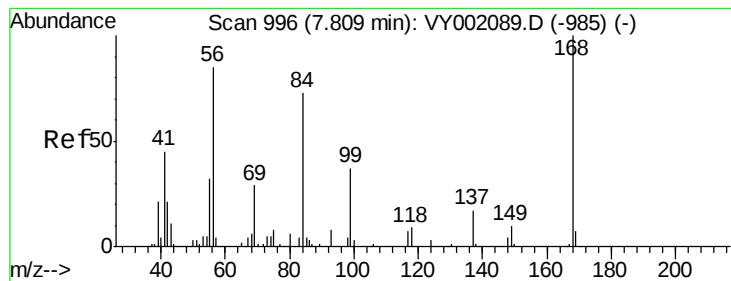
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002149.D

Acq: 31 Mar 2020 21:12

Instrument :

MSVOA_Y

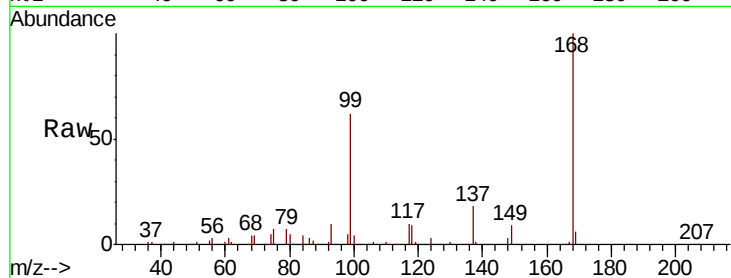
ClientSampled :

Tot Ion:168 Resp: 122234

Ion Ratio Lower Upper

168 100

99 61.9 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002149.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002149.D (-947) (-)

7.82

60000

50000

40000

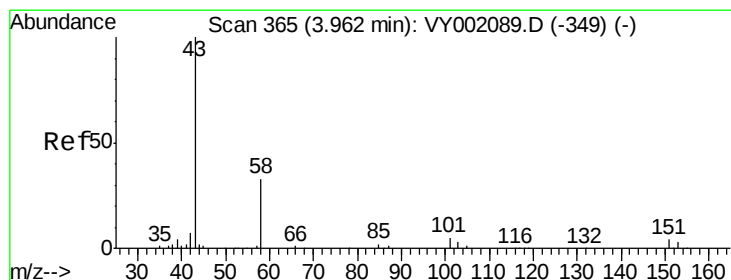
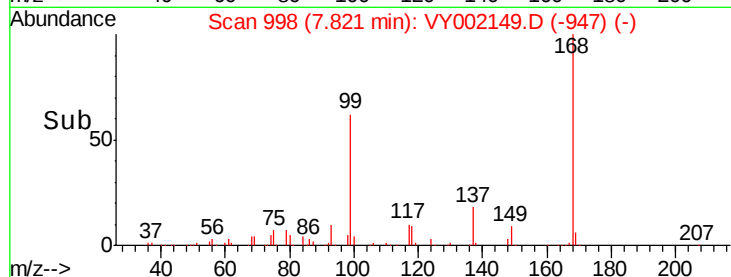
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 4.049 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002149.D

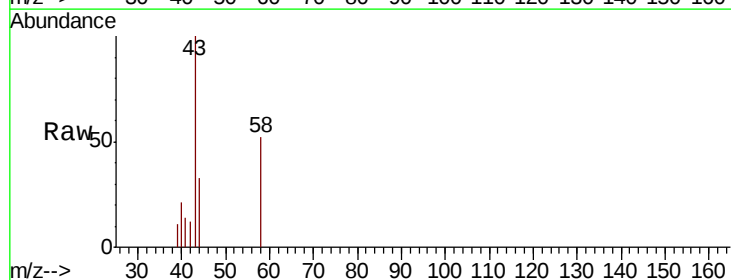
Acq: 31 Mar 2020 21:12

Tgt Ion: 43 Resp: 1537

Ion Ratio Lower Upper

43 100

58 51.6 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002149.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002149.D (-316) (-)

3.99

600

500

400

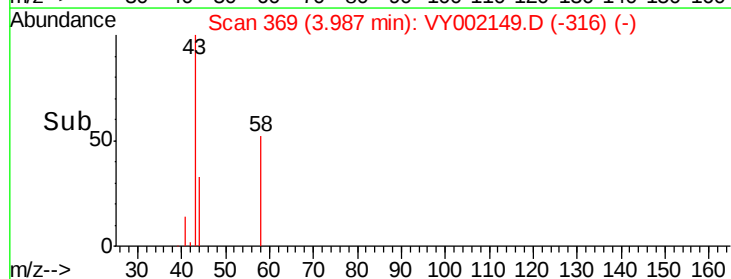
300

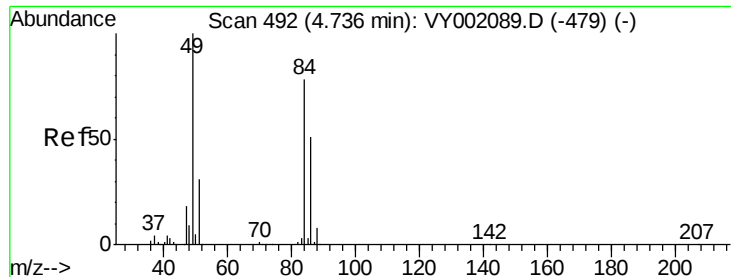
200

100

0

Time-->

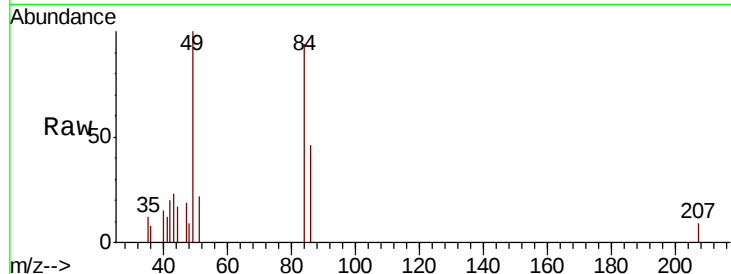




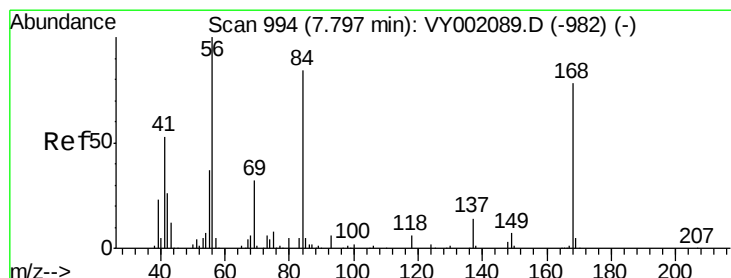
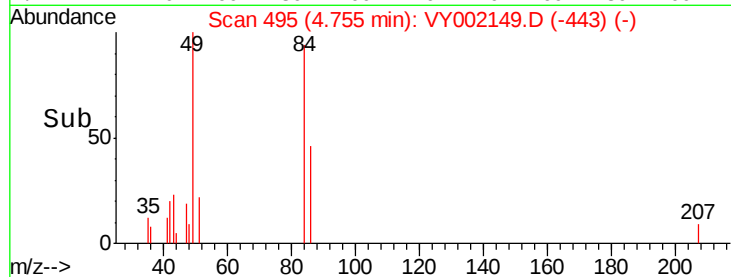
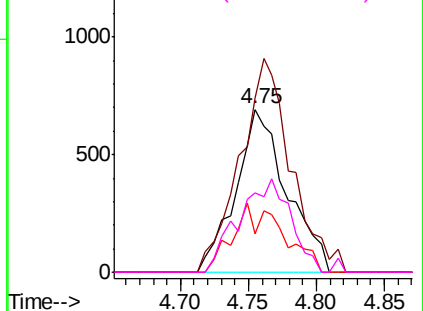
#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002149.D
Acq: 31 Mar 2020 21:12

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 1818
Ion Ratio Lower Upper
84 100
49 106.8 102.2 153.4
51 23.7 31.2 46.8#
86 48.8 52.6 78.8#

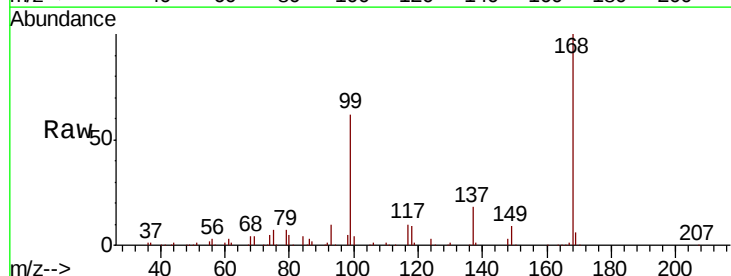


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

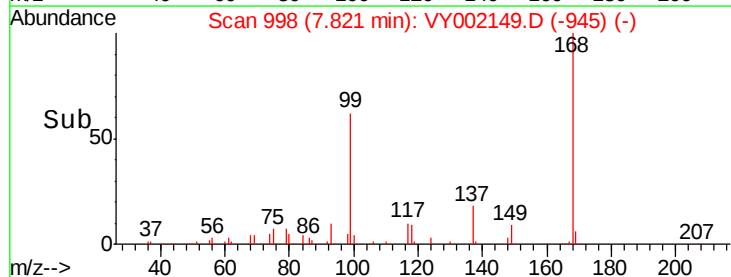
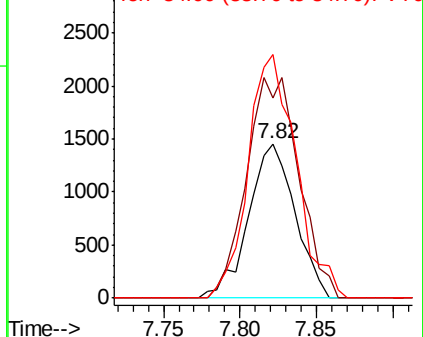


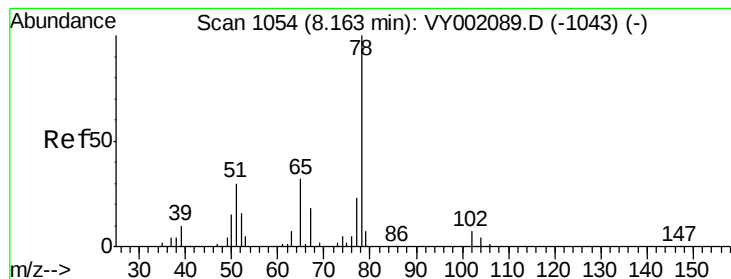
#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.02 min
Lab File: VY002149.D
Acq: 31 Mar 2020 21:12

Tgt Ion: 56 Resp: 3072
Ion Ratio Lower Upper
56 100
69 129.5 25.8 38.8#
84 157.7 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: 55.723 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY002149.D

Acq: 31 Mar 2020 21:12

Instrument :

MSVOA_Y

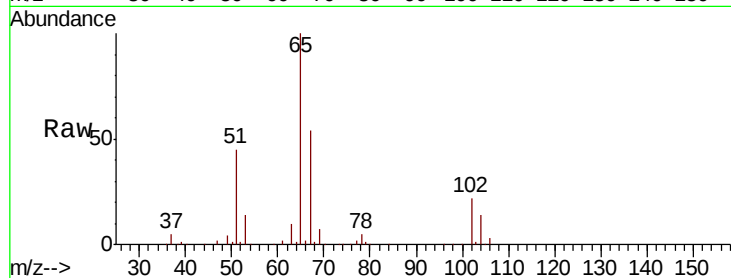
ClientSampleId :

Tot Ion: 65 Resp: 75296

Ion Ratio Lower Upper

65 100

67 54.7 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002149.D (-1043) (-)

Ion 66.90 (66.60 to 67.60): VY002149.D (-1043) (-)

8.17

40000

30000

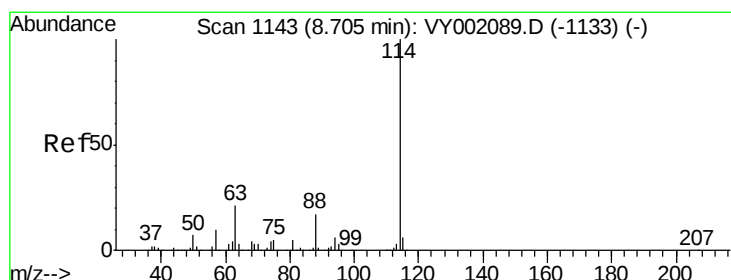
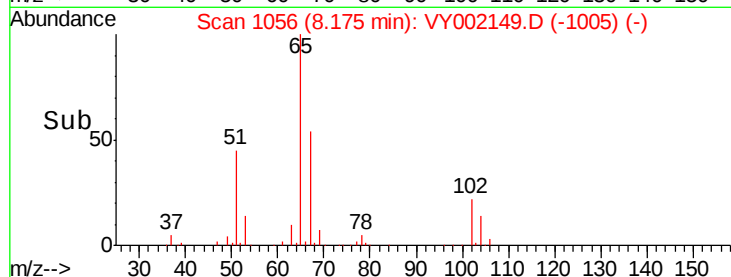
20000

10000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY002149.D

Acq: 31 Mar 2020 21:12

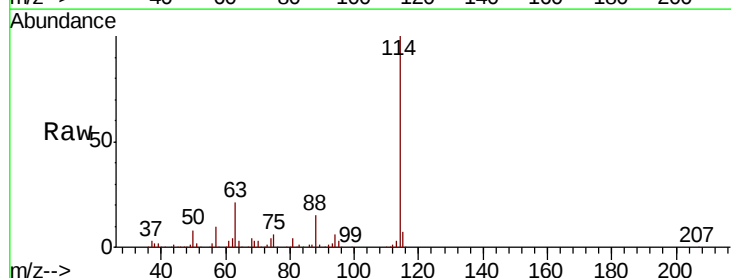
Tgt Ion: 114 Resp: 242633

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

88 15.3 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VY002149.D (-1094) (-)

Ion 63.00 (62.70 to 63.70): VY002149.D (-1094) (-)

Ion 87.90 (87.60 to 88.60): VY002149.D (-1094) (-)

8.72

150000

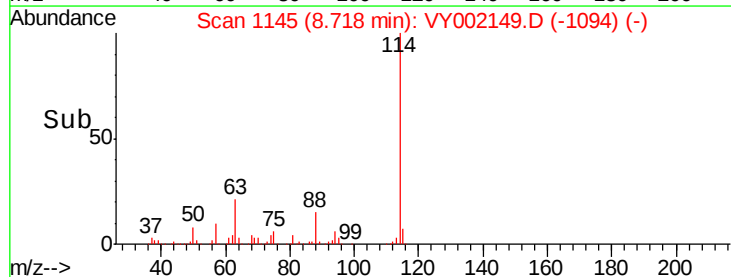
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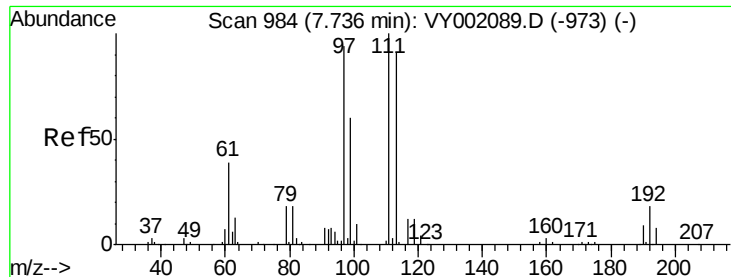
50000

0

8.60 8.70 8.80

Time-->

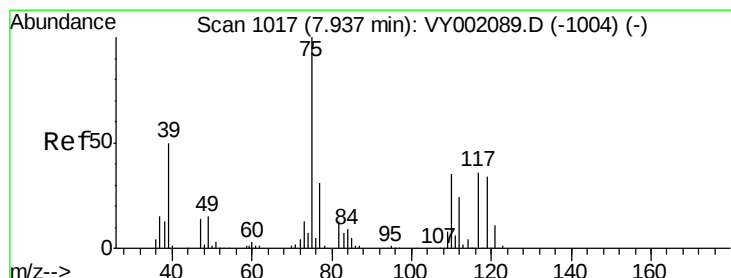
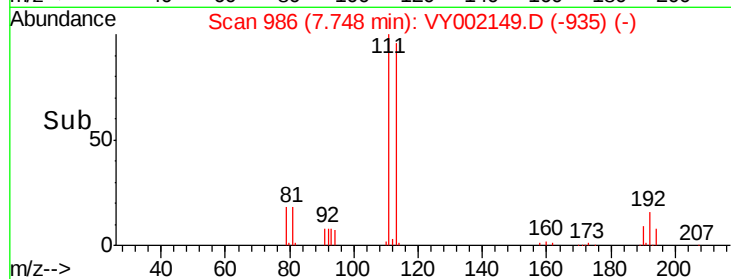
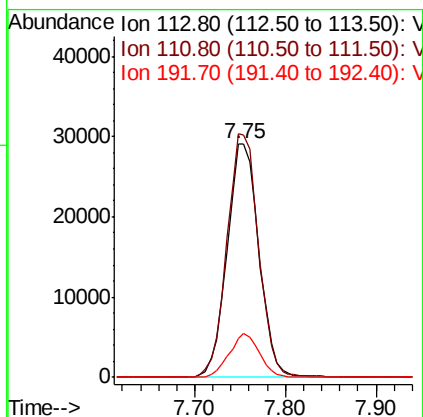
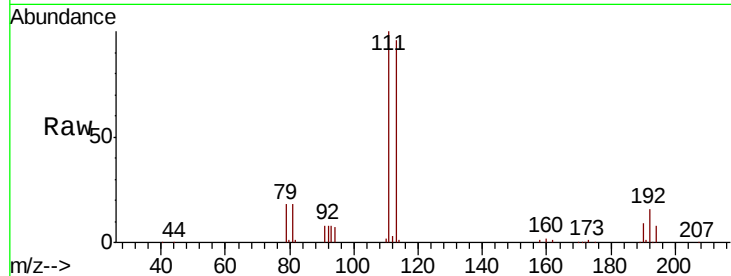




#35
 Dibromofluoromethane
 Concen: 52.050 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002149.D
 Acq: 31 Mar 2020 21:12

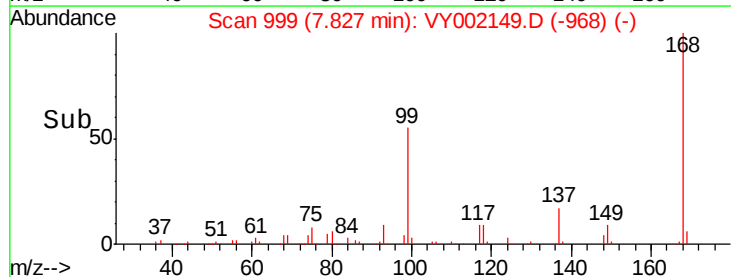
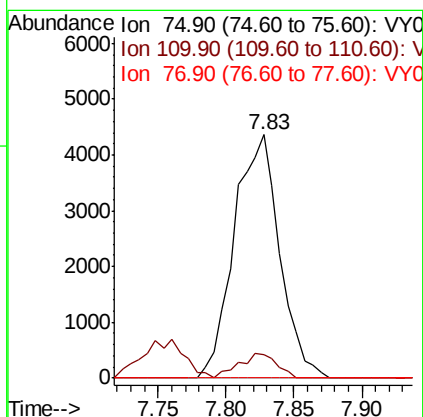
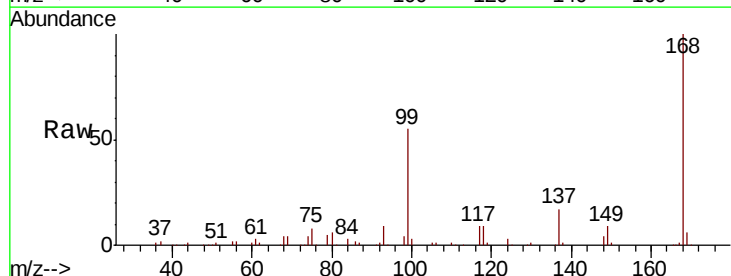
Instrument :
 MSVOA_Y
 ClientSampleId :

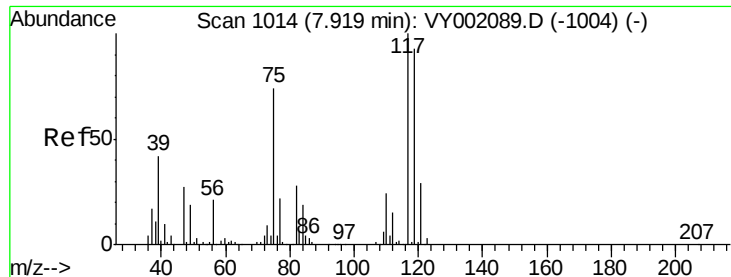
Tot Ion:113 Resp: 70762
 Ion Ratio Lower Upper
 113 100
 111 103.6 84.4 126.6
 192 17.6 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.428 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY002149.D
 Acq: 31 Mar 2020 21:12

Tgt Ion: 75 Resp: 10163
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.2 51.6#
 77 0.0 24.7 37.1#

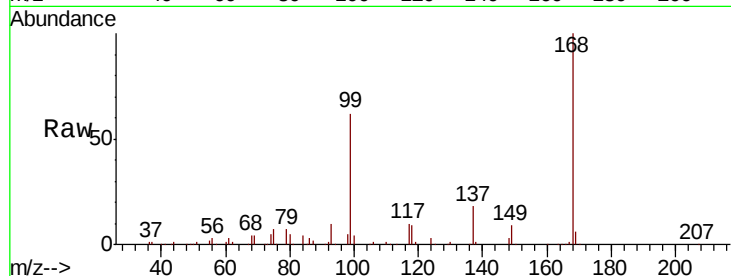




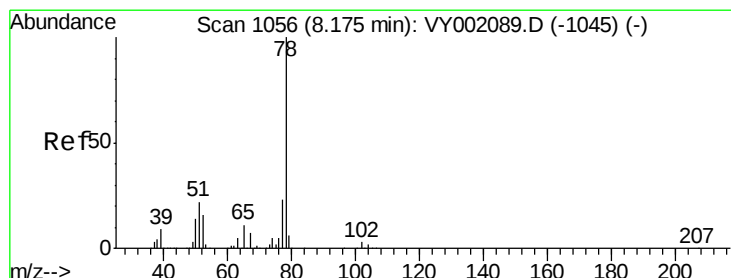
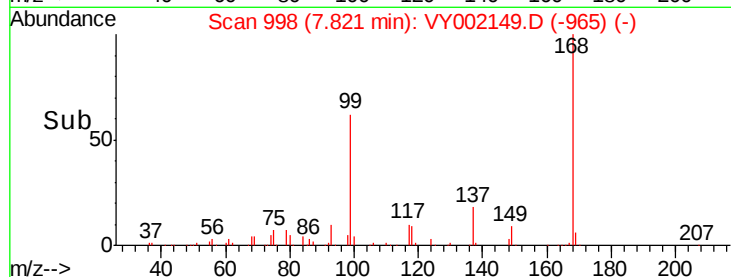
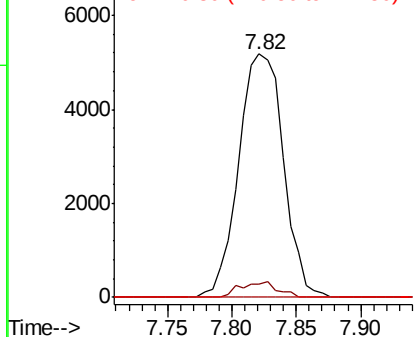
#38
Carbon Tetrachloride
Concen: 6.411 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY002149.D
Acq: 31 Mar 2020 21:12

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 12483
Ion Ratio Lower Upper
117 100
119 5.6 74.3 111.5#
121 0.0 23.3 34.9#

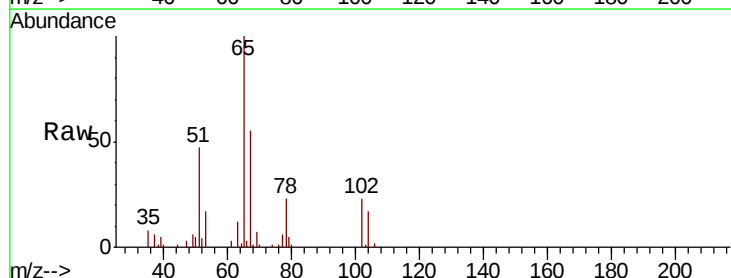


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

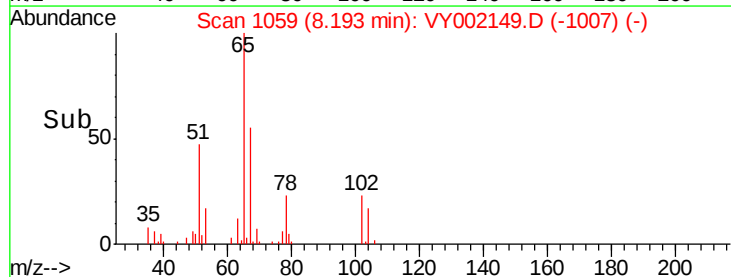
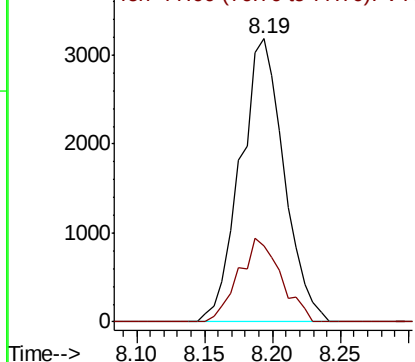


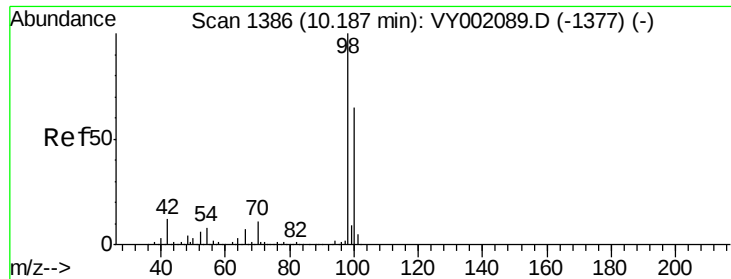
#40
Benzene
Concen: 1.052 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VY002149.D
Acq: 31 Mar 2020 21:12

Tgt Ion: 78 Resp: 7152
Ion Ratio Lower Upper
78 100
77 26.9 18.2 27.4



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#50

Toluene-d8

Concen: 52.684 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002149.D

Acq: 31 Mar 2020 21:12

Instrument :

MSVOA_Y

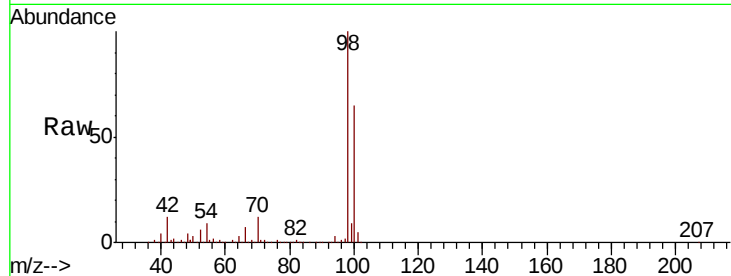
ClientSampleId :

Tot Ion: 98 Resp: 297544

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4



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

Ion 100.00 (99.70 to 100.70): VY002089.D (-1377) (-)

200000

150000

100000

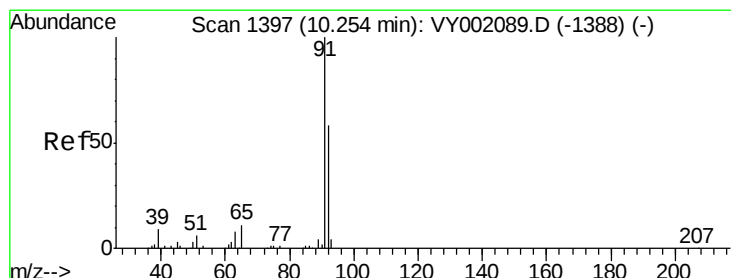
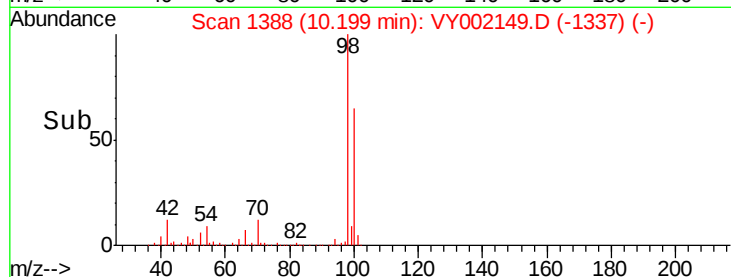
50000

0

10.10

10.20

Time-->



#52

Toluene

Concen: 1.098 ug/l

RT: 10.27 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VY002149.D

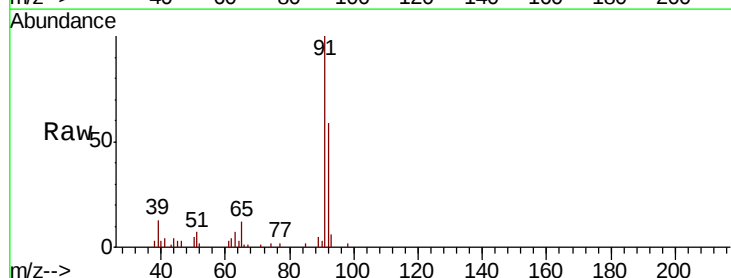
Acq: 31 Mar 2020 21:12

Tgt Ion: 92 Resp: 4513

Ion Ratio Lower Upper

92 100

91 176.9 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY002089.D (-1388) (-)

Ion 91.00 (90.70 to 91.70): VY002089.D (-1388) (-)

5000

4000

3000

2000

1000

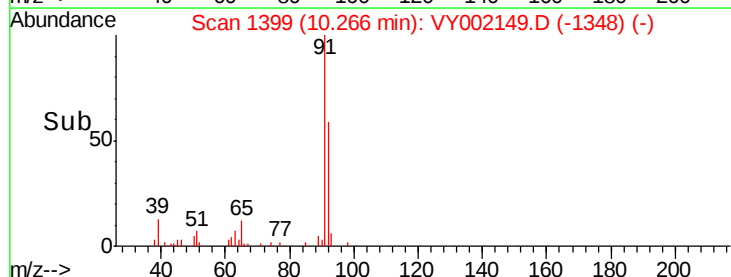
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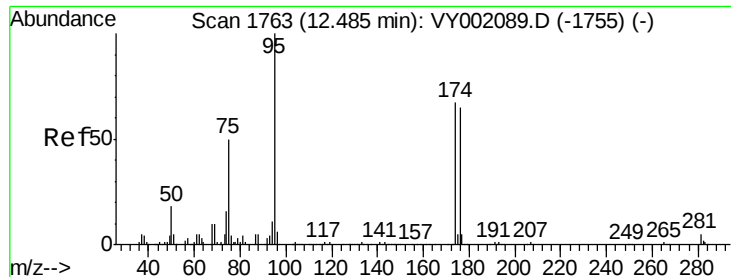
10.20

10.25

10.30

Time-->

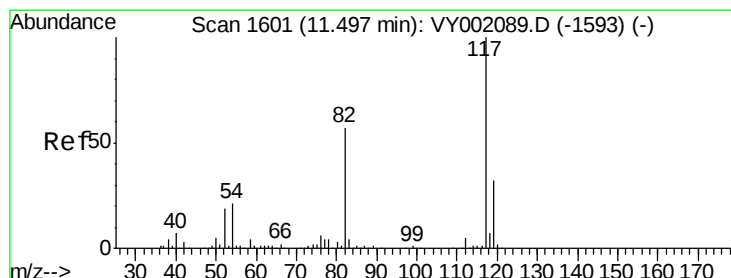
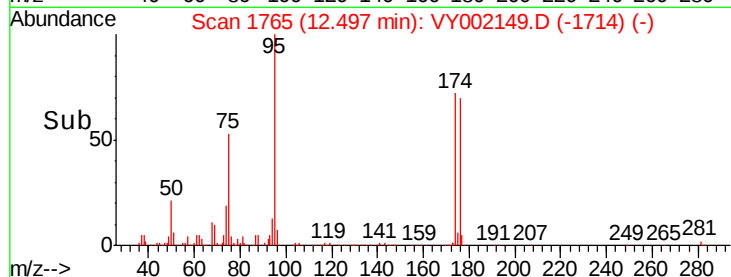
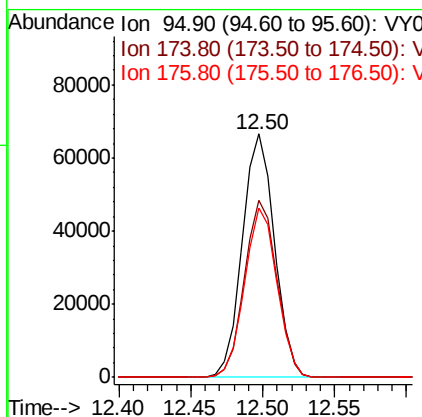
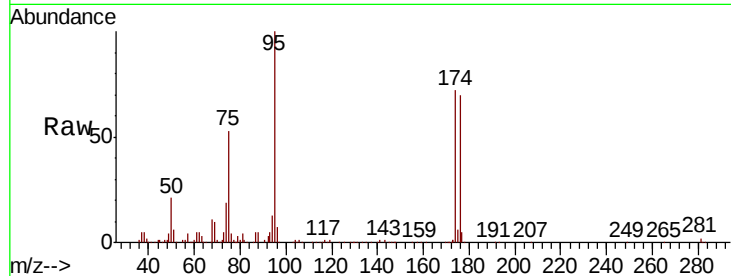




#62
4-Bromofluorobenzene
Concen: 52.038 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002149.D
Acq: 31 Mar 2020 21:12

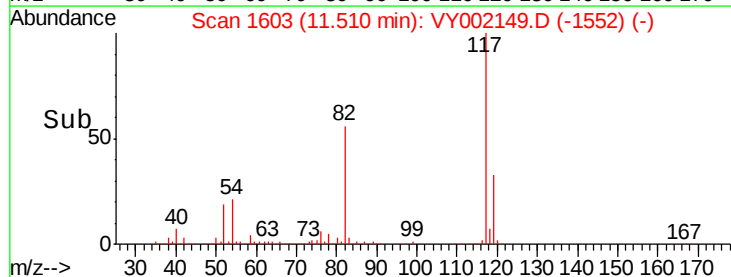
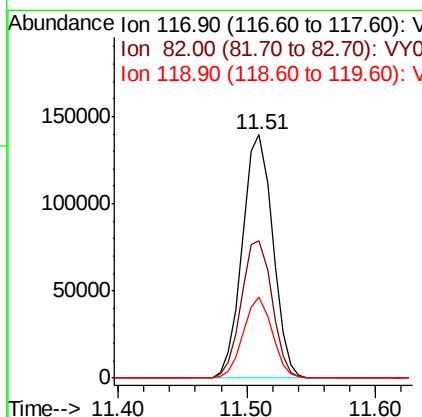
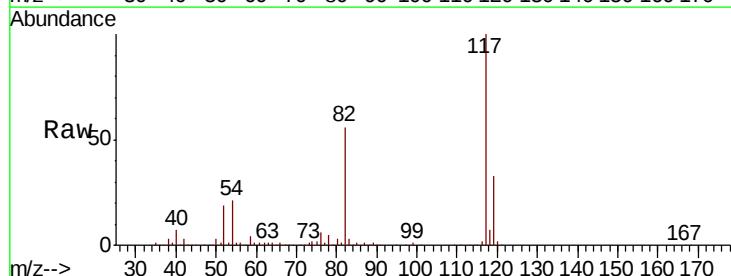
Instrument :
MSVOA_Y
ClientSampleId :

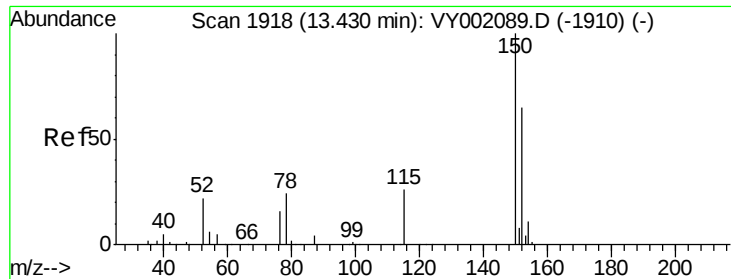
Tot Ion	95	Resp	102785
Ion Ratio	Lower	Upper	
95	100		
174	73.3	0.0	143.4
176	70.0	0.0	137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002149.D
Acq: 31 Mar 2020 21:12

Tgt Ion	117	Resp	227962
Ion Ratio	Lower	Upper	
117	100		
82	56.3	45.4	68.2
119	33.2	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY002149.D

Acq: 31 Mar 2020 21:12

Instrument :

MSVOA_Y

ClientSampleId :

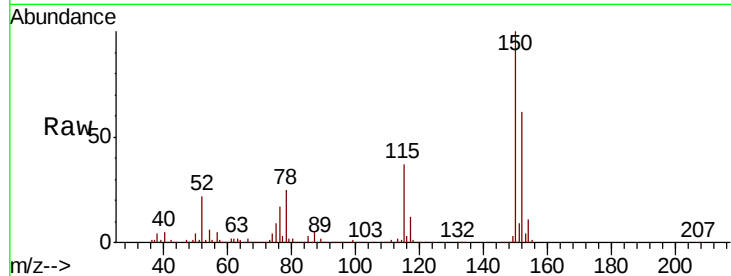
Tot Ion:152 Resp: 100724

Ion Ratio Lower Upper

152 100

115 61.7 31.2 93.6

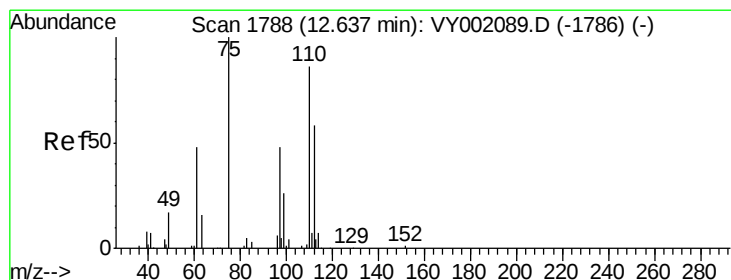
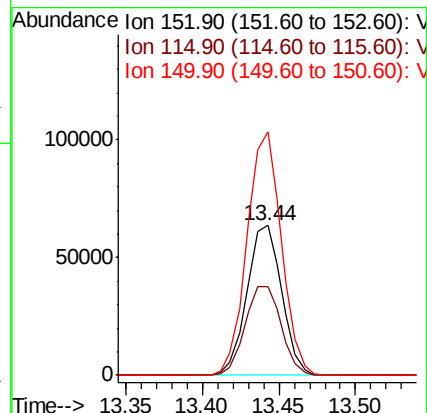
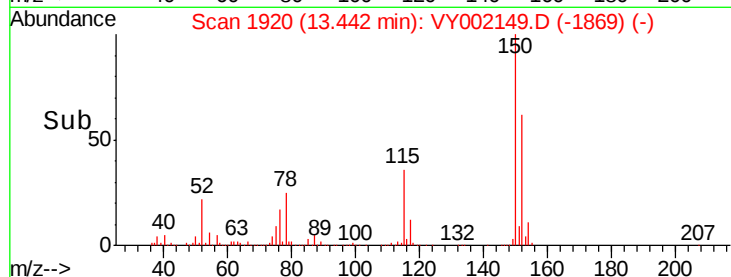
150 159.9 0.0 354.8



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: 47.310 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY002149.D

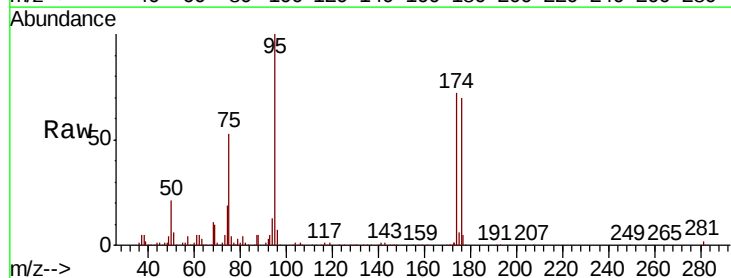
Acq: 31 Mar 2020 21:12

Tgt Ion: 75 Resp: 53304

Ion Ratio Lower Upper

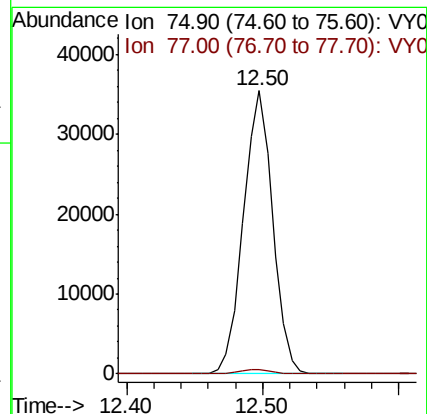
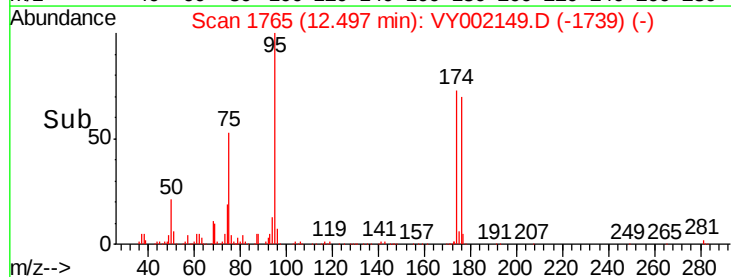
75 100

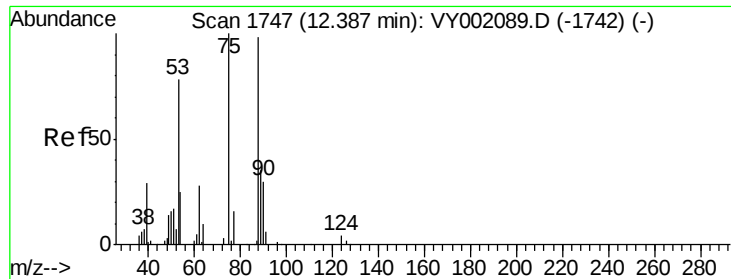
77 1.6 0.0 0.0#



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: 91.656 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002149.D

Acq: 31 Mar 2020 21:12

Instrument :

MSVOA_Y

ClientSampleId :

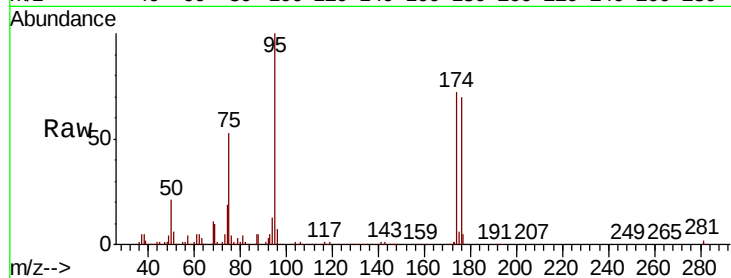
Tot Ion: 75 Resp: 53304

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.1 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

