

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001572.D
 Acq On : 07 Feb 2020 21:57
 Operator : SY/MD
 Sample : L1473-02
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:29:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	23024	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	37918	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	31500	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	13413	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	12368	53.35	ug/l	0.02
Spiked Amount			Recovery	=	106.70%	
35) Dibromofluoromethane	7.76	113	10202	46.66	ug/l	0.02
Spiked Amount			Recovery	=	93.32%	
50) Toluene-d8	10.21	98	43921	53.09	ug/l	0.02
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.50	95	13018	39.95	ug/l	0.01
Spiked Amount			Recovery	=	79.90%	

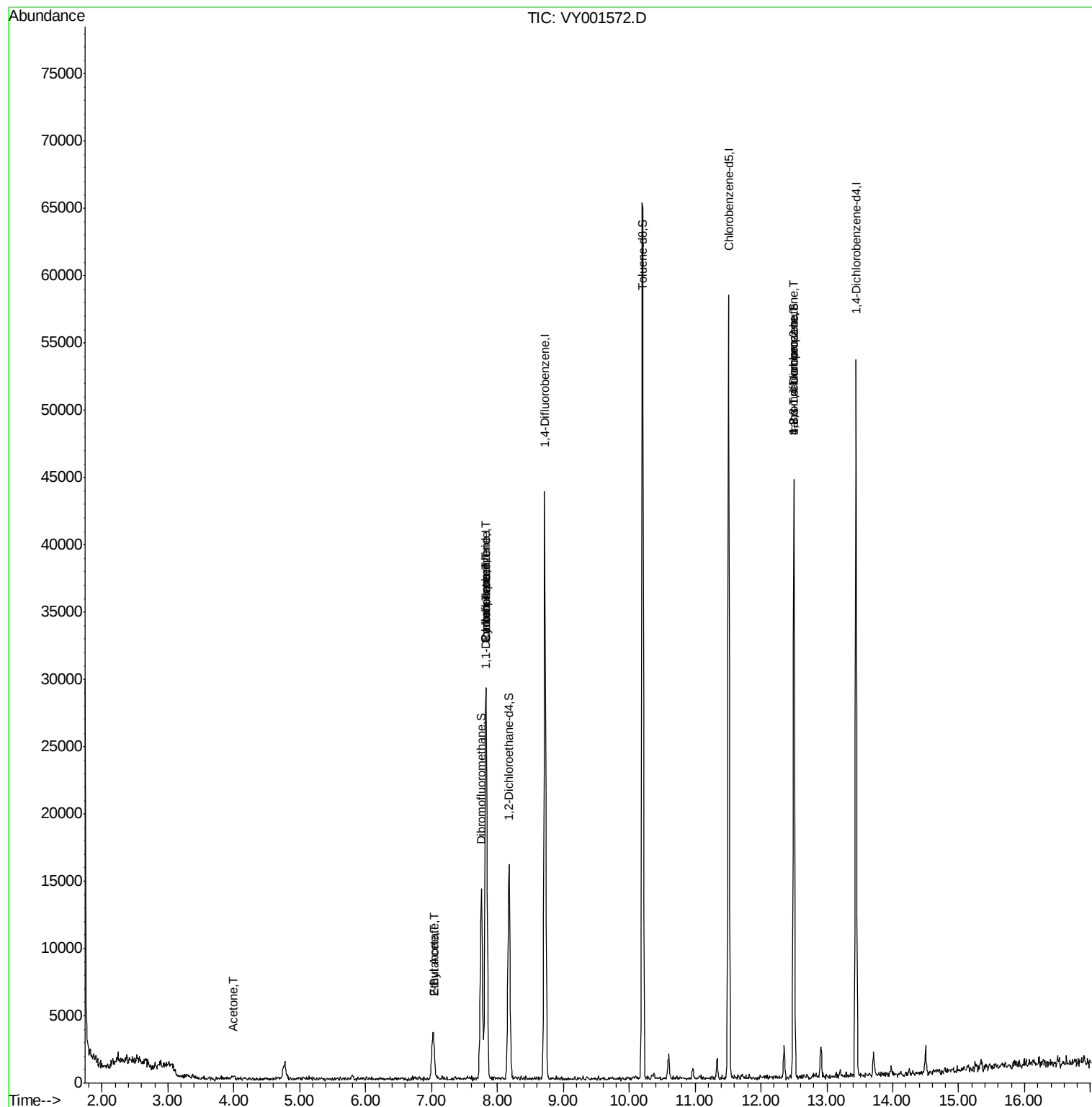
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	19	Below Cal	#	76
16) Acetone	3.99	43	304	4.534	ug/l	93
20) Methylene Chloride	4.77	84	961	Below Cal	#	51
25) 2-Butanone	7.04	43	309	3.552	ug/l #	45
31) Cyclohexane	7.83	56	487	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	1968	5.673	ug/l #	47
37) Ethyl Acetate	7.04	43	309	1.840	ug/l #	83
38) Carbon Tetrachloride	7.83	117	2277	6.785	ug/l #	12
76) 1,2,3-Trichloropropane	12.50	75	6875	47.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	6875	92.224	ug/l #	16

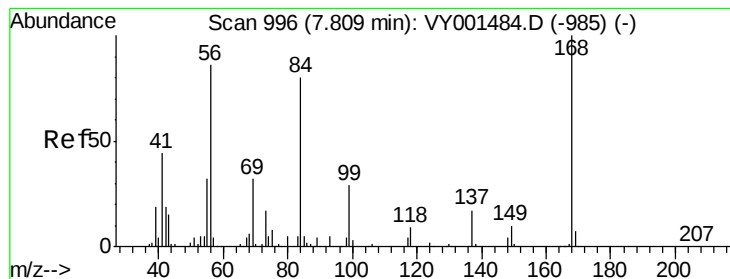
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001572.D

Acq: 07 Feb 2020 21:57

Instrument :

MSVOA_Y

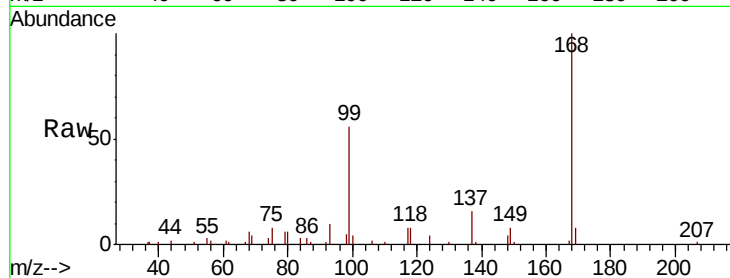
ClientSampleId :

Tot Ion:168 Resp: 23024

Ion Ratio Lower Upper

168 100

99 56.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.83

10000

8000

6000

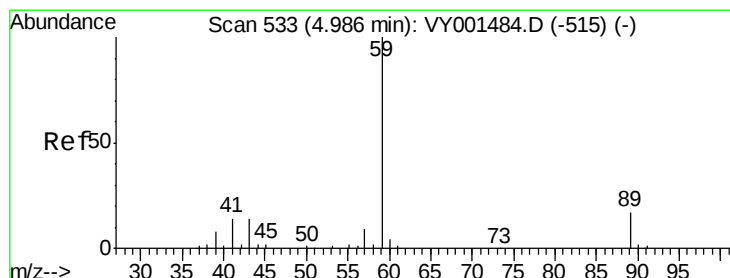
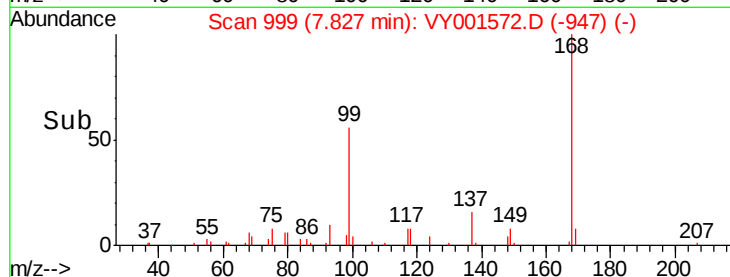
4000

2000

0

7.75 7.80 7.85 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001572.D

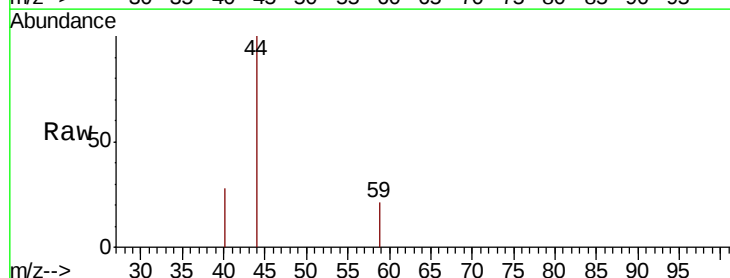
Acq: 07 Feb 2020 21:57

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)

4.98

60

50

40

30

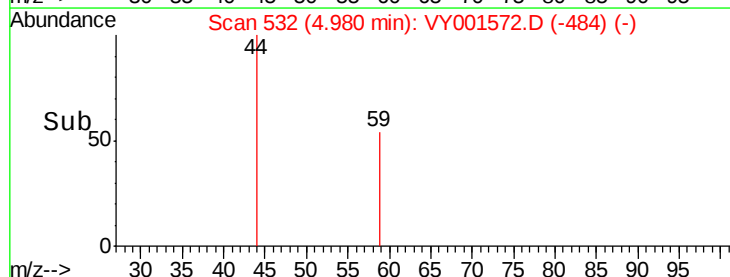
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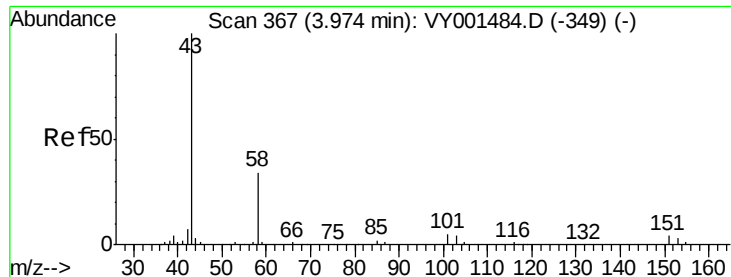
10

0

4.96 4.97 4.98 4.99 5.00

Time-->





#16

Acetone

Concen: 4.534 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001572.D

Acq: 07 Feb 2020 21:57

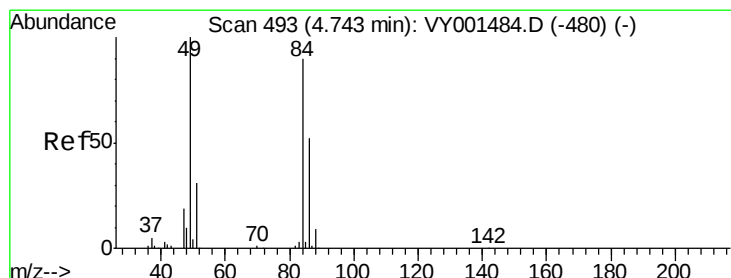
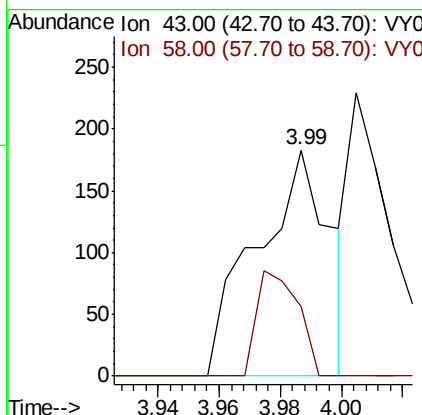
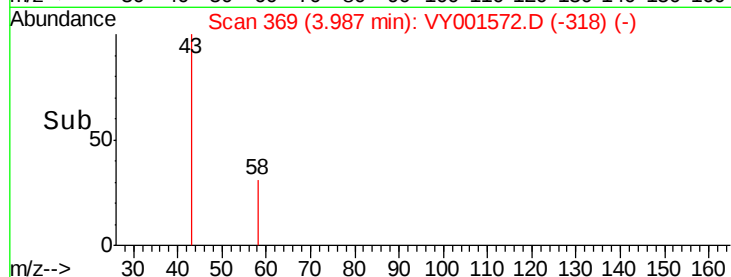
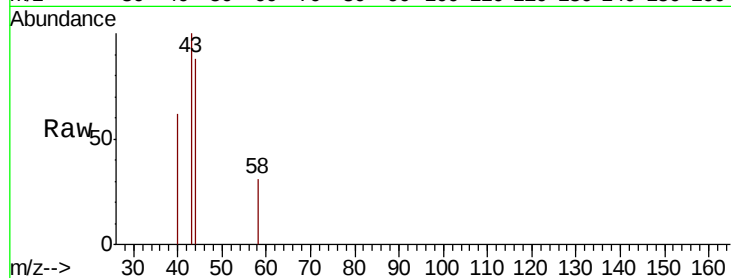
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 304

Ion Ratio Lower Upper

43 100

58 30.6 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.77 min Scan# 498

Delta R.T. 0.03 min

Lab File: VY001572.D

Acq: 07 Feb 2020 21:57

Tgt Ion: 84 Resp: 961

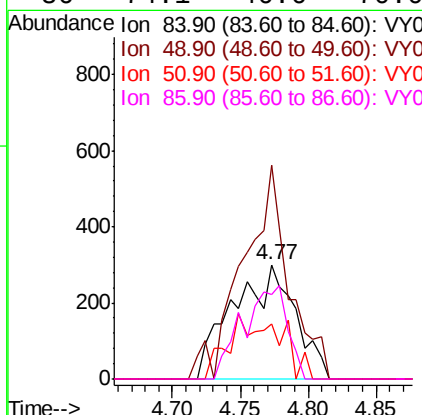
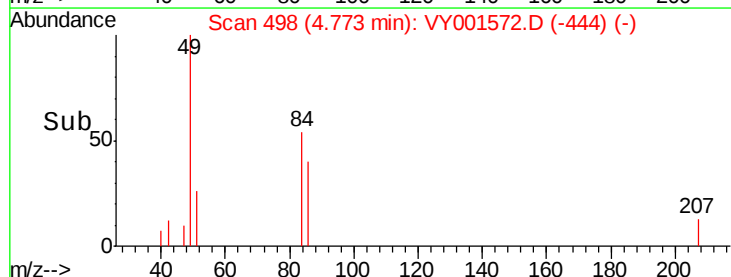
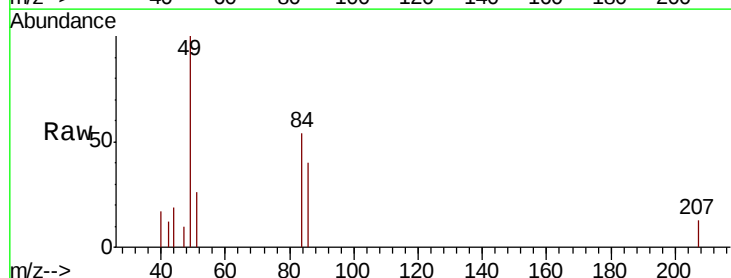
Ion Ratio Lower Upper

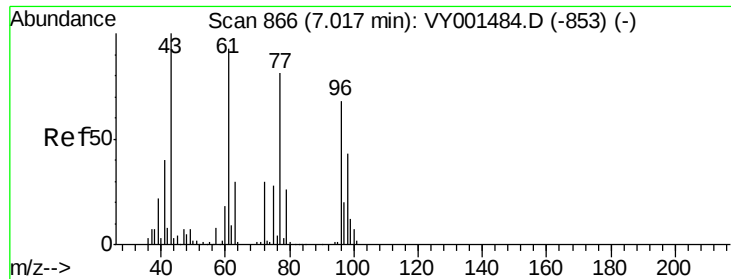
84 100

49 186.4 89.0 133.6#

51 48.5 27.4 41.2#

86 74.1 46.6 70.0#

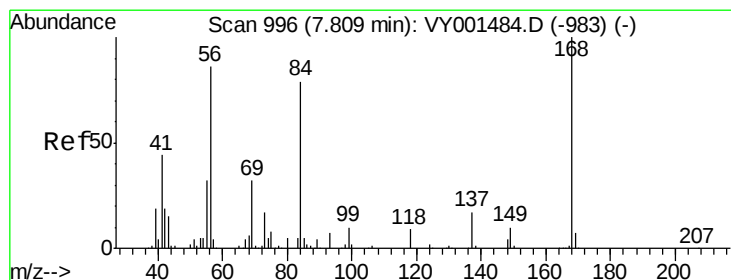
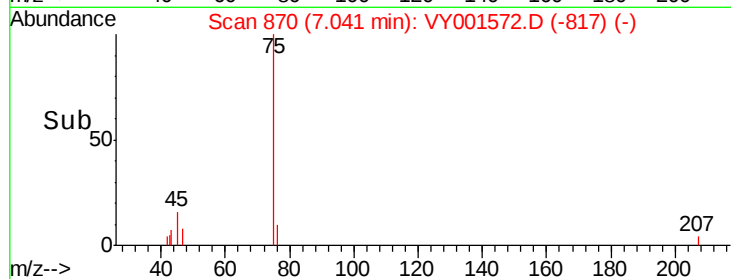
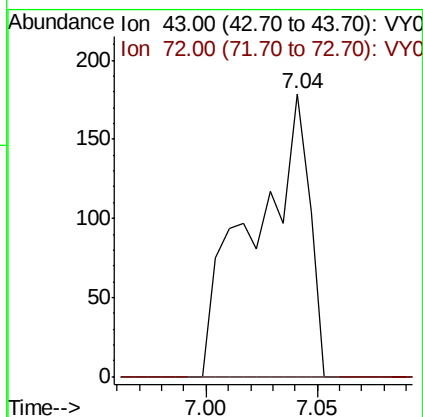
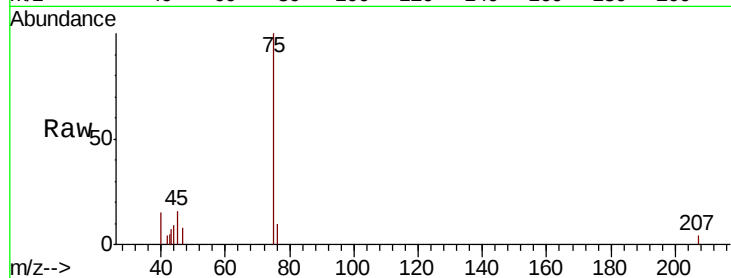




#25
2-Butanone
Concen: 3.552 ug/l
RT: 7.04 min Scan# 870
Delta R.T. 0.02 min
Lab File: VY001572.D
Acq: 07 Feb 2020 21:57

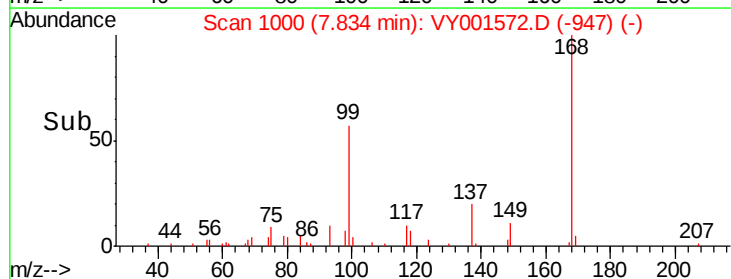
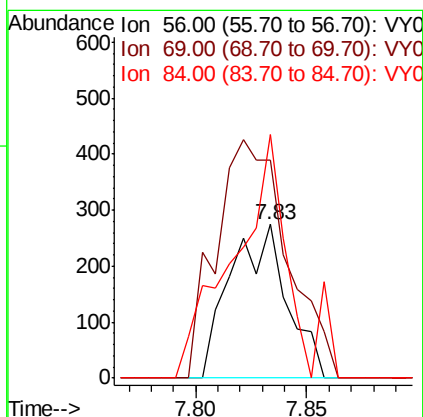
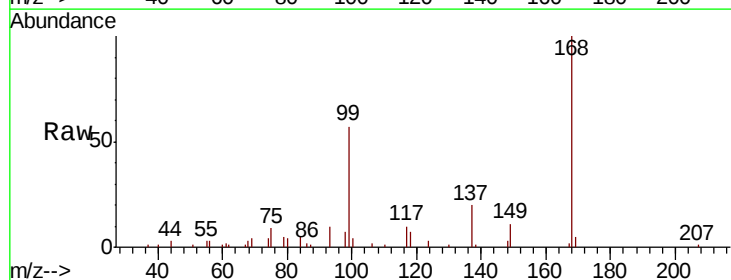
Instrument :
MSVOA_Y
ClientSampleId :

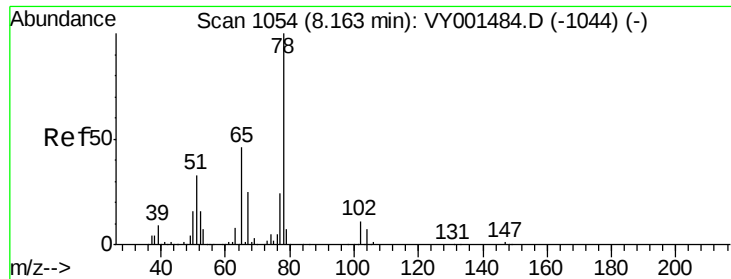
Tot Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.8#



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.83 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VY001572.D
Acq: 07 Feb 2020 21:57

Tgt Ion: 56 Resp: 487
Ion Ratio Lower Upper
56 100
69 141.5 29.6 44.4#
84 158.2 73.6 110.4#

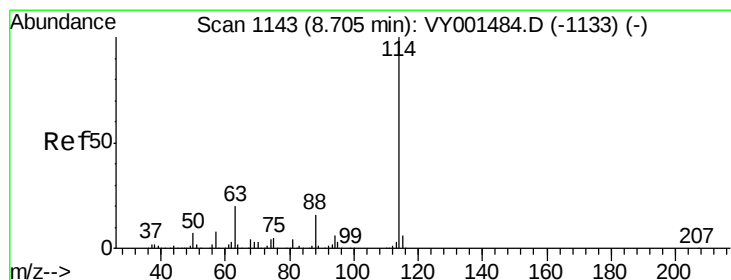
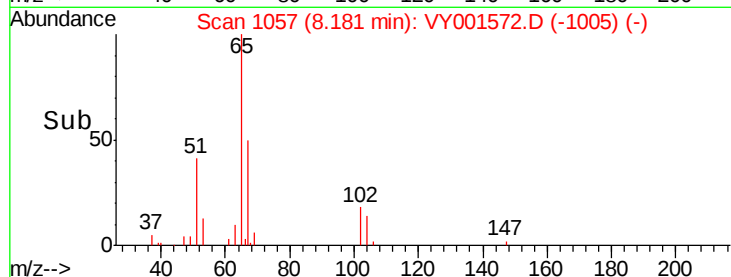
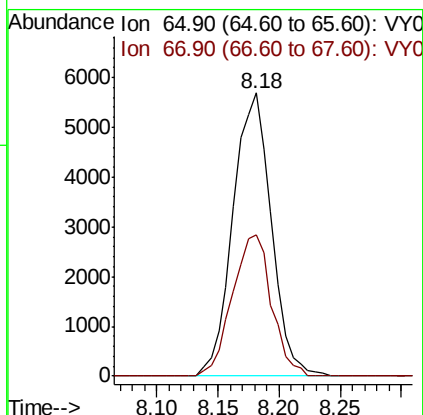
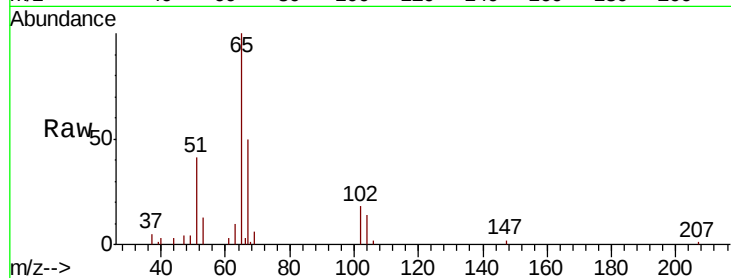




#33
 1,2-Dichloroethane-d4
 Concen: 53.352 ug/l
 RT: 8.18 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VY001572.D
 Acq: 07 Feb 2020 21:57

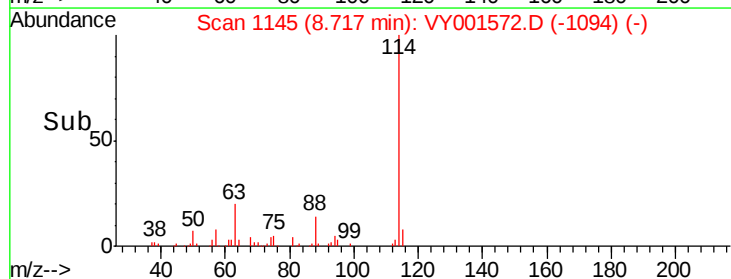
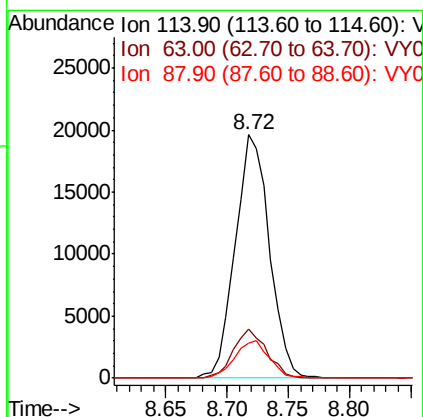
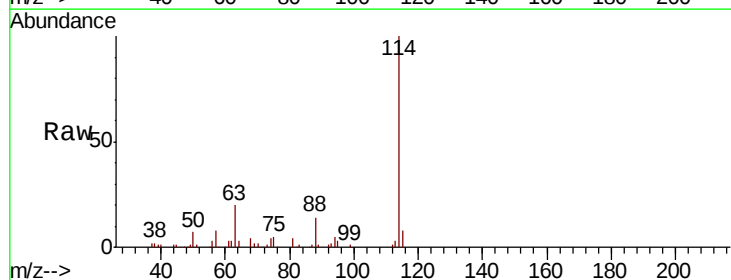
Instrument :
 MSVOA_Y
 ClientSampleId :

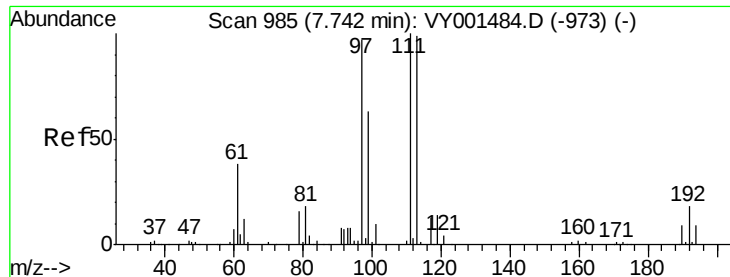
Tot Ion: 65 Resp: 12368
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001572.D
 Acq: 07 Feb 2020 21:57

Tgt Ion: 114 Resp: 37918
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 14.2 0.0 32.6

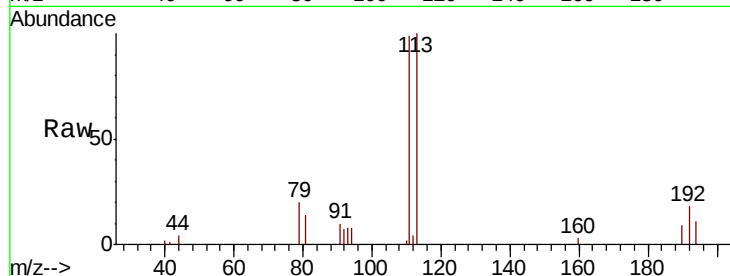




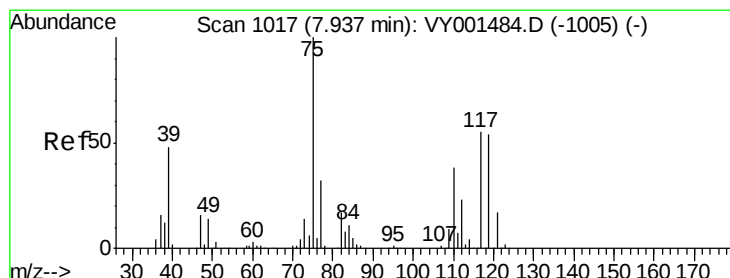
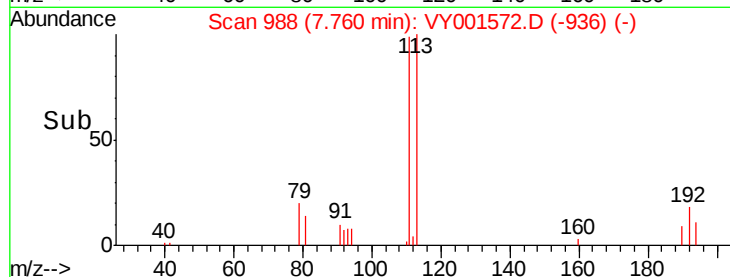
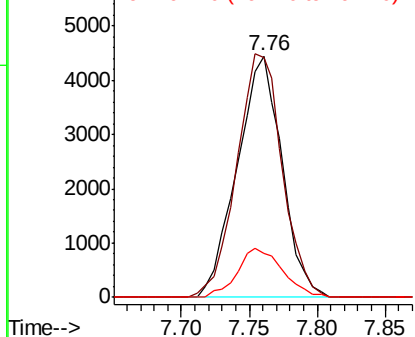
#35
 Dibromofluoromethane
 Concen: 46.658 ug/l
 RT: 7.76 min Scan# 988
 Delta R.T. 0.02 min
 Lab File: VY001572.D
 Acq: 07 Feb 2020 21:57

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	20.5	14.6	22.0

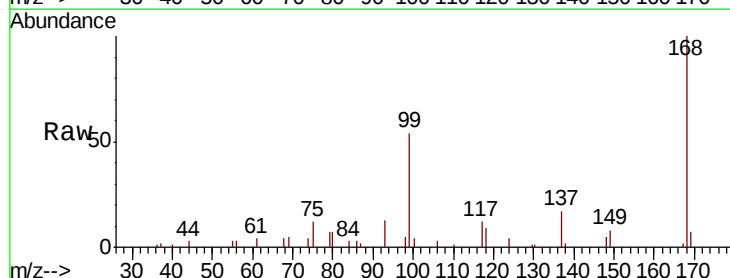


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

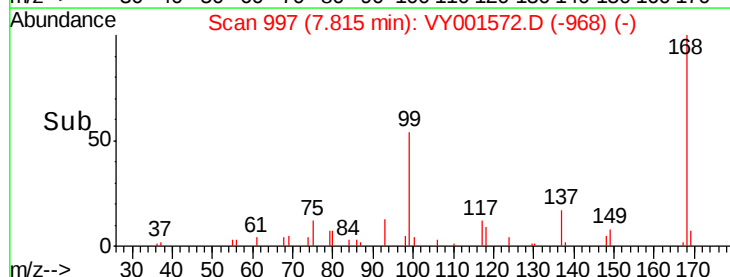
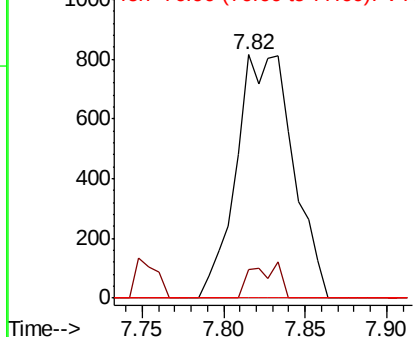


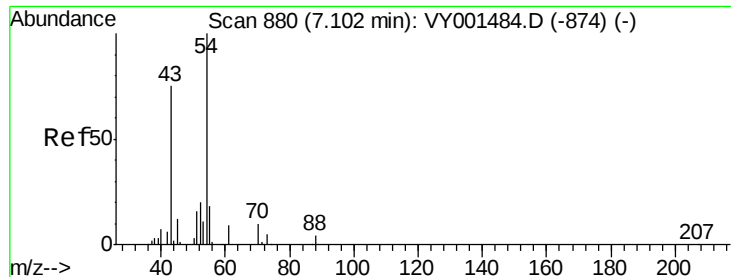
#36
 1,1-Dichloropropene
 Concen: 5.673 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001572.D
 Acq: 07 Feb 2020 21:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.2	54.6#
77	0.0	25.0	37.4#



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: 1.840 ug/l

RT: 7.04 min Scan# 870

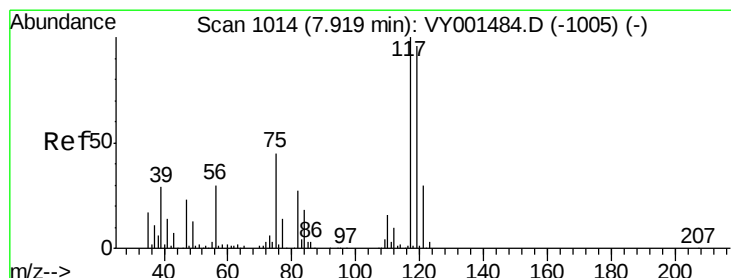
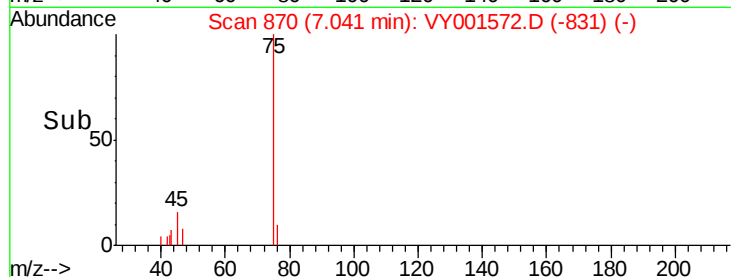
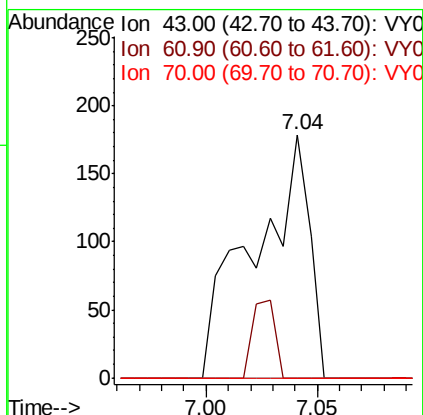
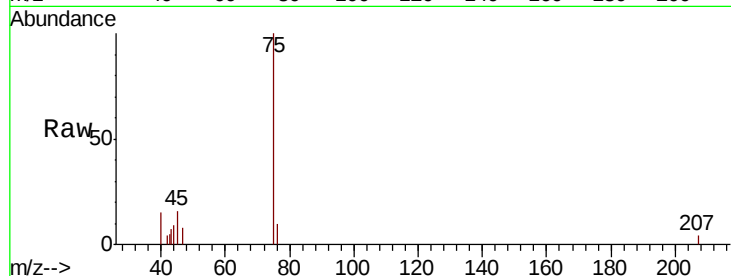
Delta R.T. -0.06 min

Lab File: VY001572.D

Acq: 07 Feb 2020 21:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	43	Resp:	309
Ion	Ratio	Lower	Upper
43	100		
61	13.3	12.0	18.0
70	0.0	10.2	15.4#



#38

Carbon Tetrachloride

Concen: 6.785 ug/l

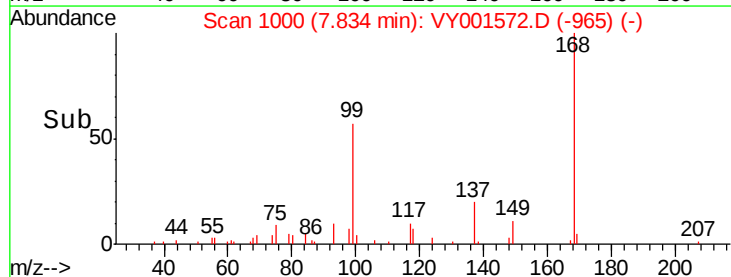
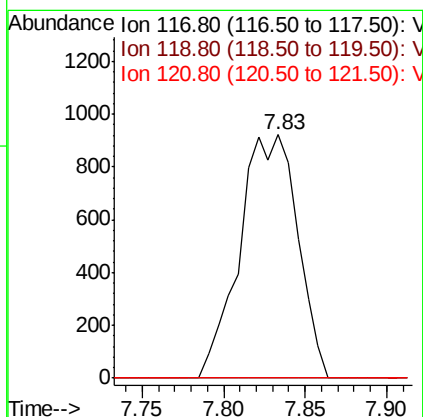
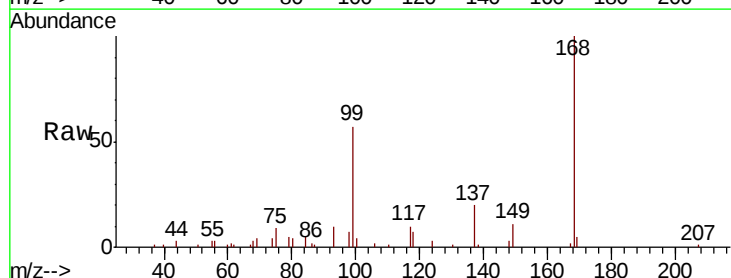
RT: 7.83 min Scan# 1000

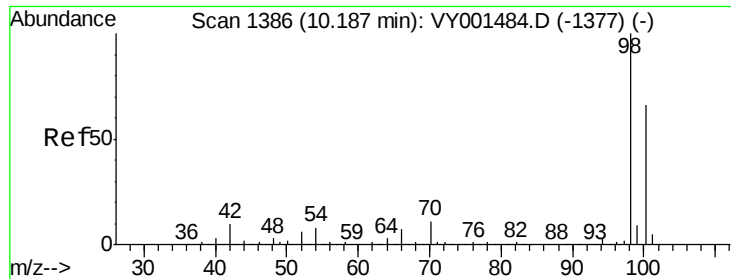
Delta R.T. -0.09 min

Lab File: VY001572.D

Acq: 07 Feb 2020 21:57

Tgt Ion:	117	Resp:	2277
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 53.092 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.02 min

Lab File: VY001572.D

Acq: 07 Feb 2020 21:57

Instrument :

MSVOA_Y

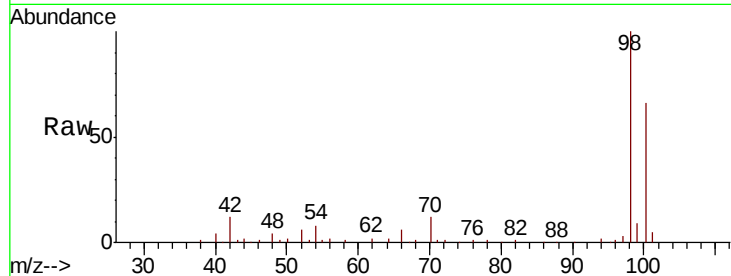
ClientSampleId :

Tot Ion: 98 Resp: 43921

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001484.D (-1377) (-)

10.21

25000

20000

15000

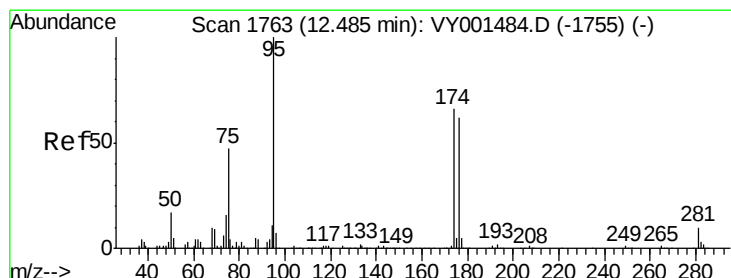
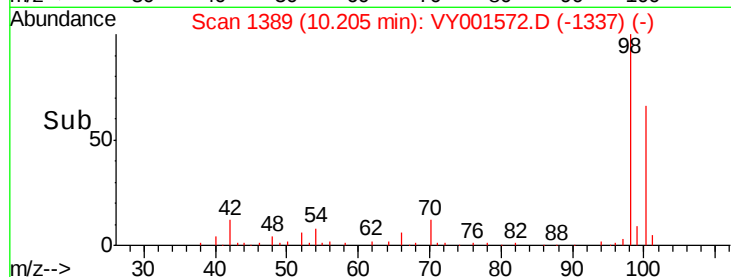
10000

5000

0

Time-->

10.15 10.20 10.25



#62

4-Bromofluorobenzene

Concen: 39.945 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001572.D

Acq: 07 Feb 2020 21:57

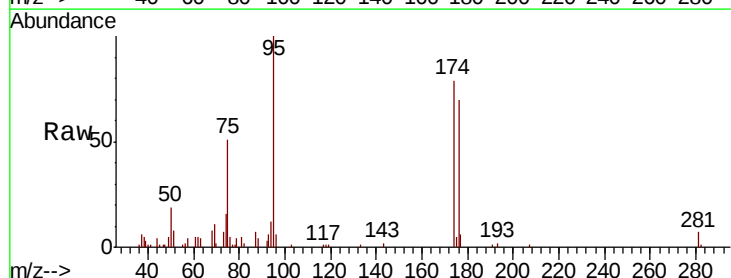
Tgt Ion: 95 Resp: 13018

Ion Ratio Lower Upper

95 100

174 81.9 0.0 141.4

176 74.8 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY001484.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001484.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001484.D (-1755) (-)

12.50

12000

10000

8000

6000

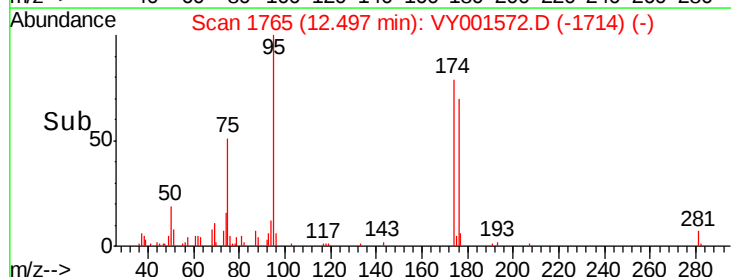
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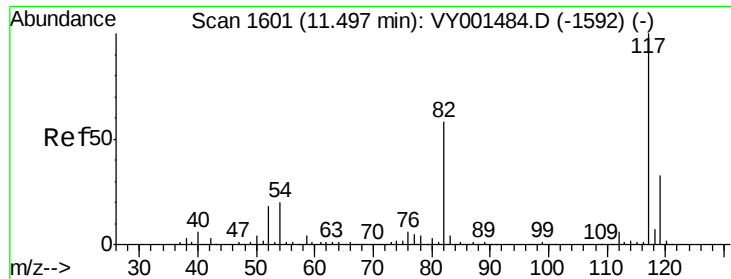
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0

Time-->

12.45 12.50 12.55

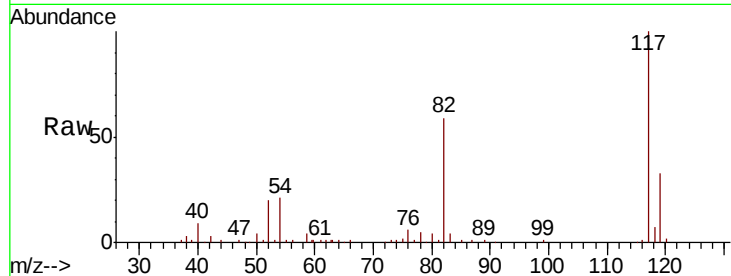




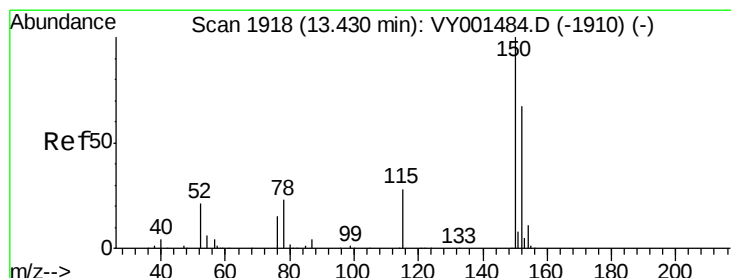
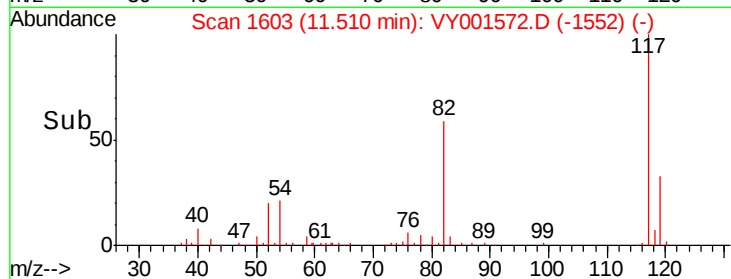
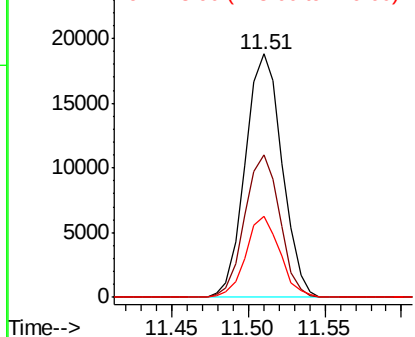
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001572.D
Acq: 07 Feb 2020 21:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 31500
Ion Ratio Lower Upper
117 100
82 58.8 46.1 69.1
119 33.2 26.1 39.1

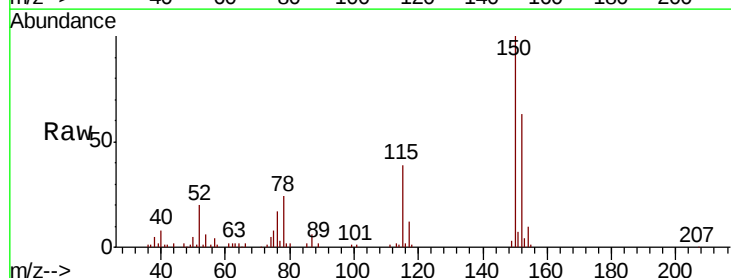


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

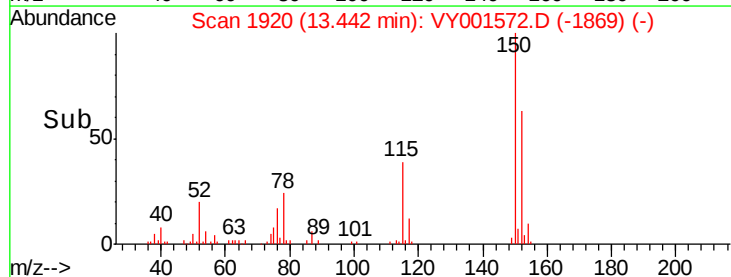
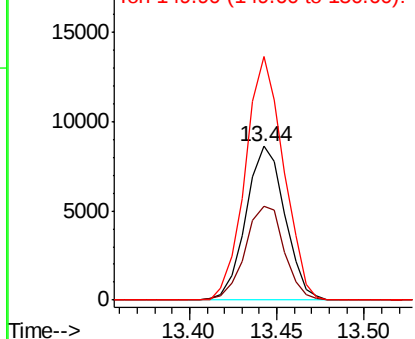


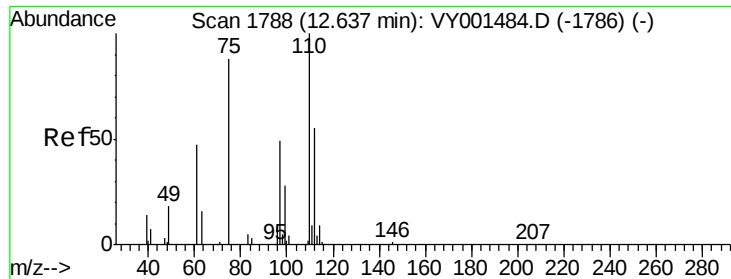
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001572.D
Acq: 07 Feb 2020 21:57

Tgt Ion:152 Resp: 13413
Ion Ratio Lower Upper
152 100
115 61.1 31.4 94.3
150 154.4 0.0 346.8



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



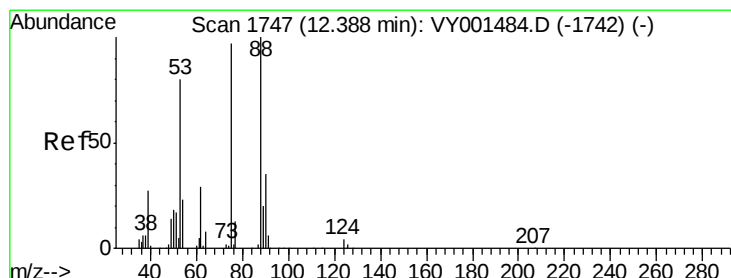
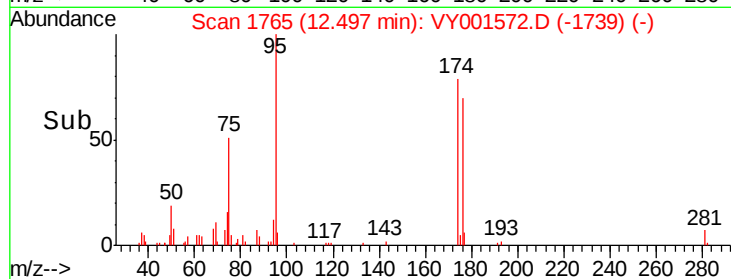
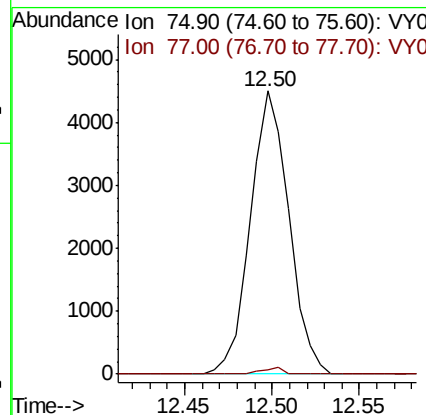
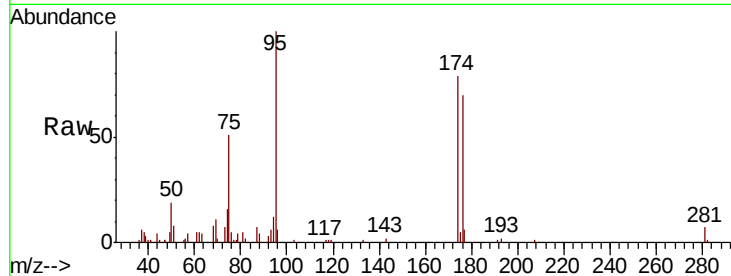


#76

1,2,3-Trichloropropane
Concen: 47.662 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. -0.14 min
Lab File: VY001572.D
Acq: 07 Feb 2020 21:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 75 Resp: 6875
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 92.224 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.11 min
Lab File: VY001572.D
Acq: 07 Feb 2020 21:57

Tgt Ion: 75 Resp: 6875
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 34.6 52.0#

