

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002589.D
 Acq On : 05 May 2020 16:13
 Operator : SY/MD
 Sample : L2483-02
 Misc : 5.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:20:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

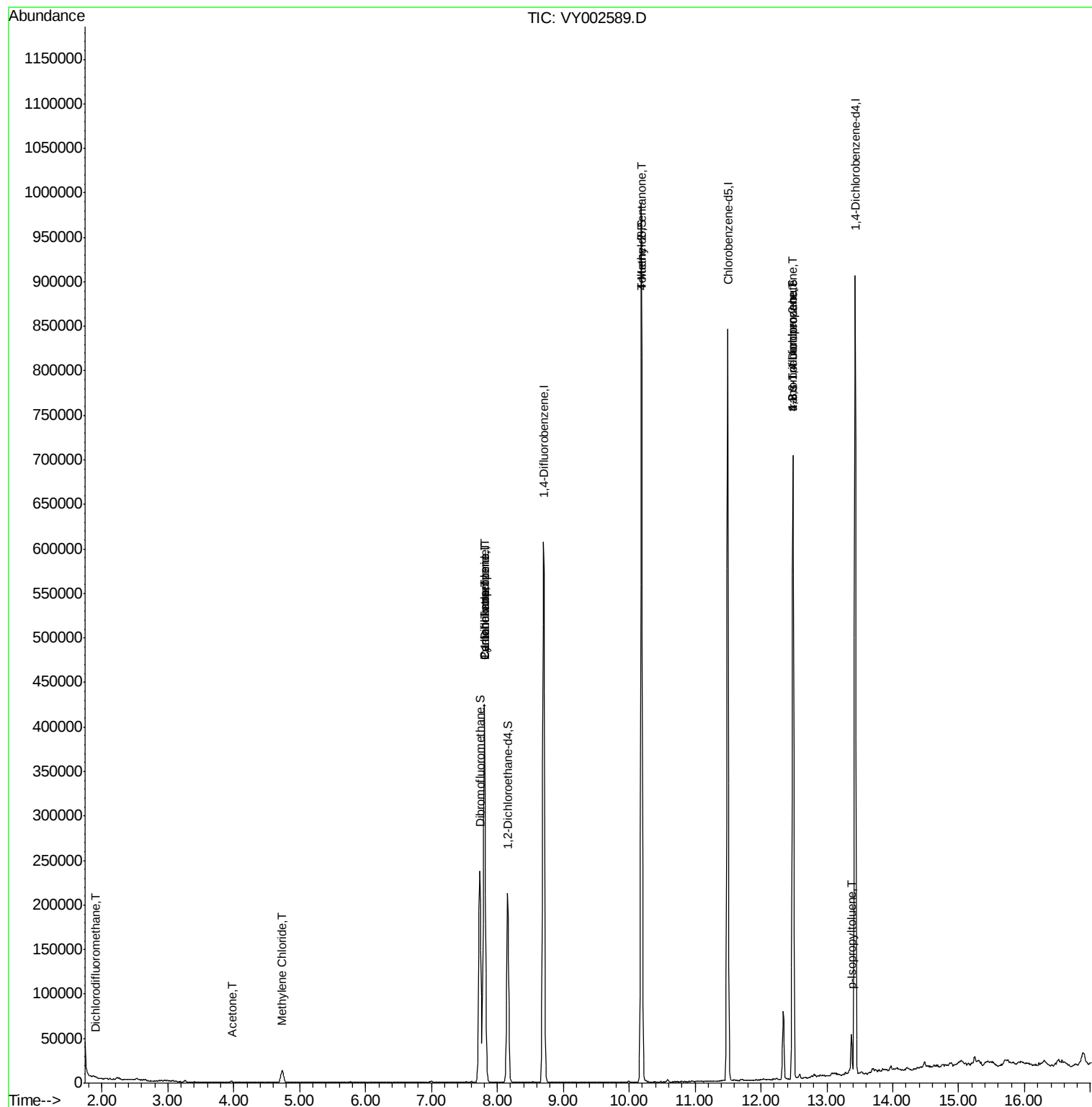
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	349535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	554858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	494714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	240710	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	164608	56.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.02%	
35) Dibromofluoromethane	7.74	113	168303	53.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.08%	
50) Toluene-d8	10.19	98	646696	52.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.49	95	213266	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	841	2.065	ug/l	77
16) Acetone	3.98	43	1634	2.694	ug/l #	83
20) Methylene Chloride	4.73	84	11086	3.268	ug/l	87
31) Cyclohexane	7.80	56	5499	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22619	4.863	ug/l #	48
38) Carbon Tetrachloride	7.80	117	31793	6.261	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	2649	1.147	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	102808	48.061	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	102808	96.372	ug/l #	15
86) p-Isopropyltoluene	13.38	119	25041	1.699	ug/l	98

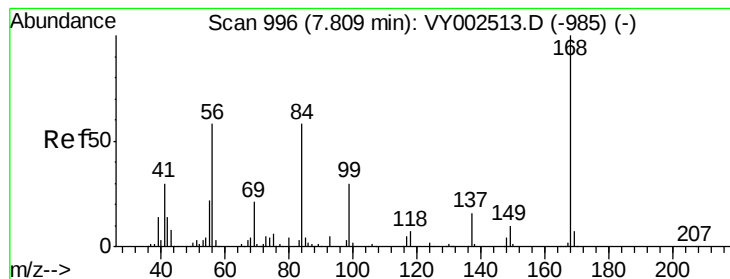
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002589.D

Acq: 05 May 2020 16:13

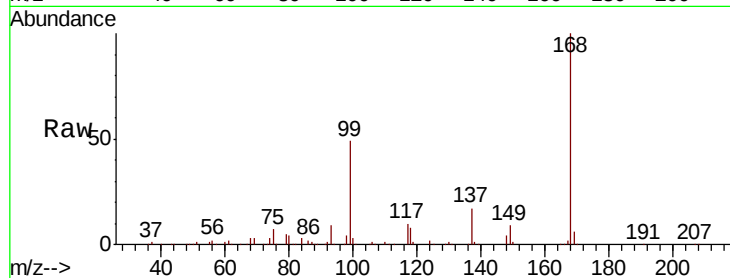
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 349535

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

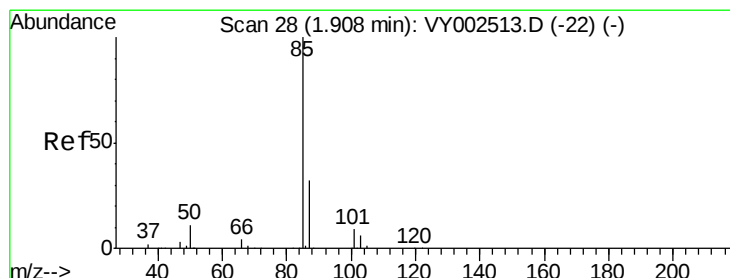
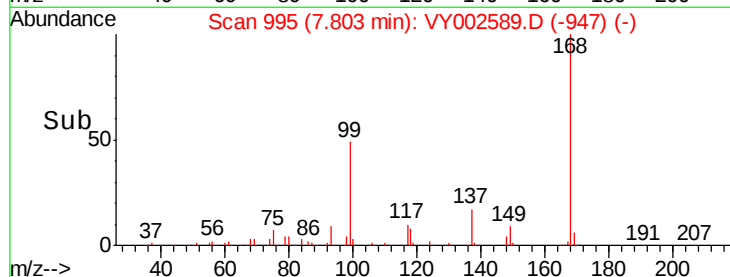
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.065 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002589.D

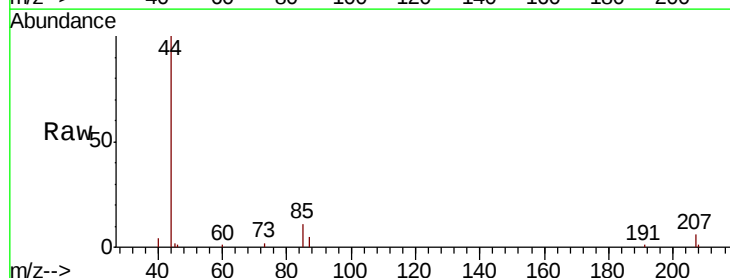
Acq: 05 May 2020 16:13

Tgt Ion: 85 Resp: 841

Ion Ratio Lower Upper

85 100

87 44.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

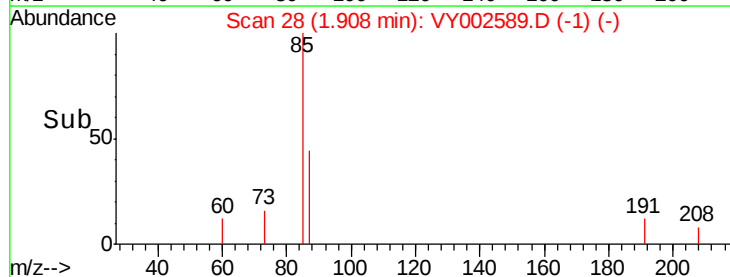
600

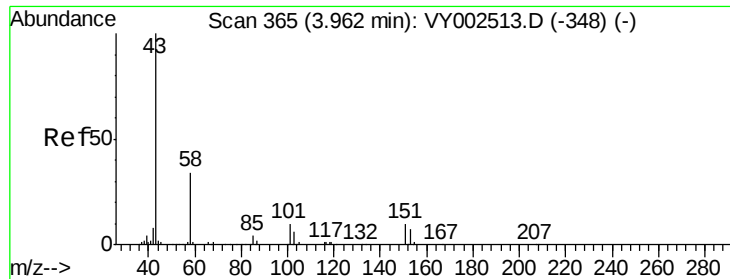
400

200

0

Time-->





#16

Acetone

Concen: 2.694 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002589.D

Acq: 05 May 2020 16:13

Instrument :

MSVOA_Y

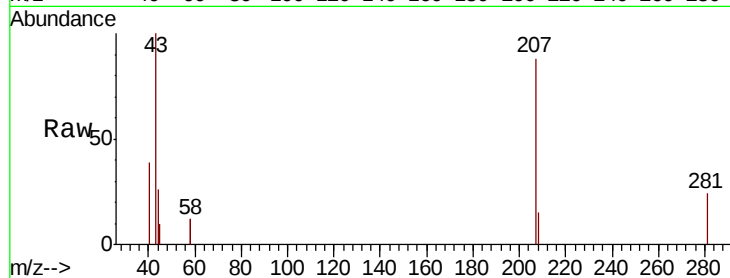
ClientSampleId :

Tot Ion: 43 Resp: 1634

Ion Ratio Lower Upper

43 100

58 24.0 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.98

600

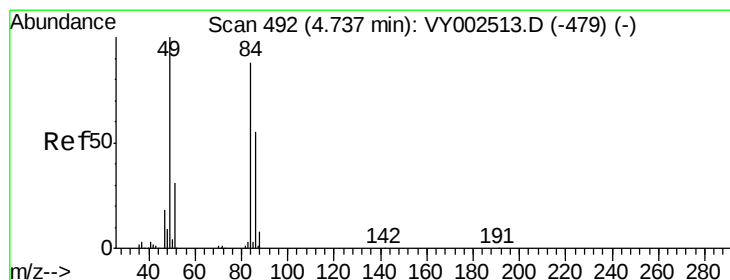
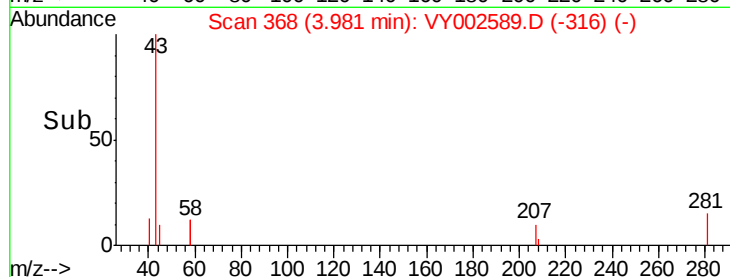
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 3.268 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002589.D

Acq: 05 May 2020 16:13

Tgt Ion: 84 Resp: 11086

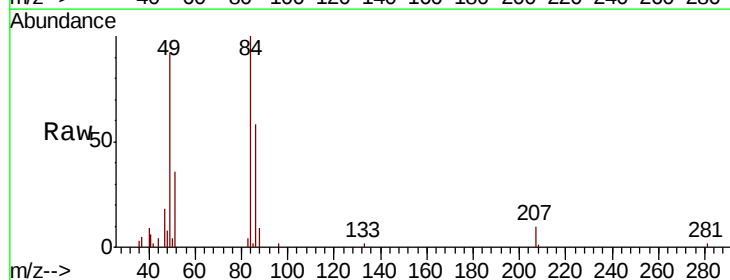
Ion Ratio Lower Upper

84 100

49 91.7 90.5 135.7

51 36.0 28.3 42.5

86 57.9 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VY002513.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002513.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002513.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002513.D (-479) (-)

6000

5000

4000

3000

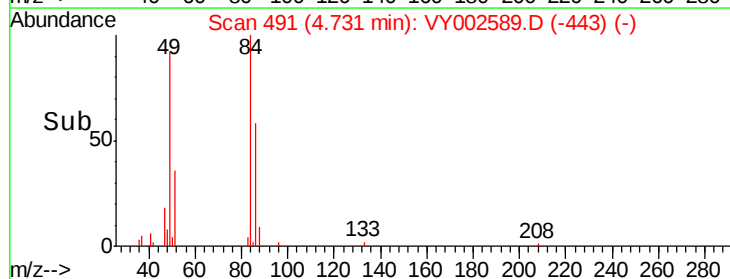
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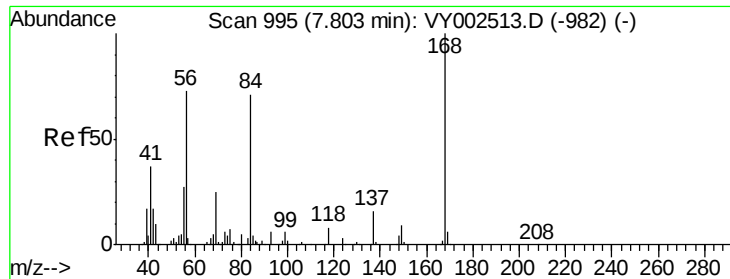
1000

0

4.60 4.70 4.80

Time-->

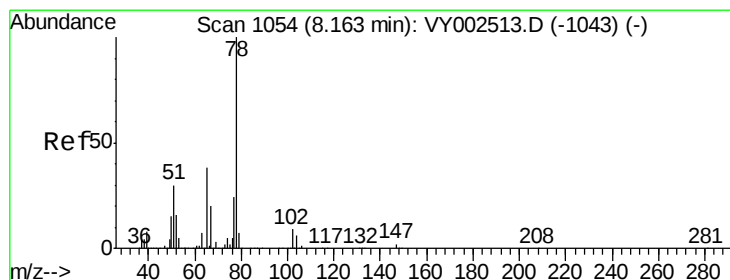
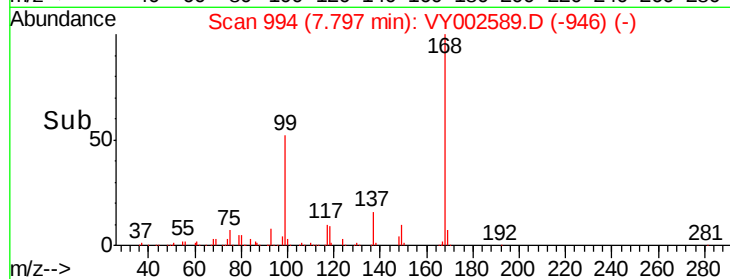
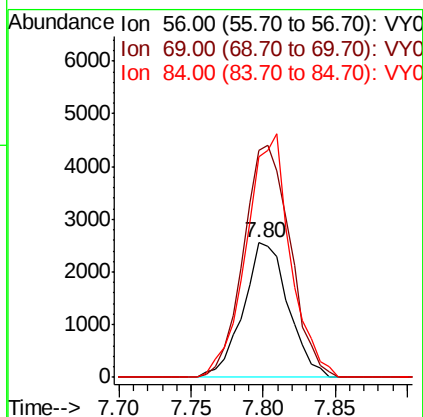
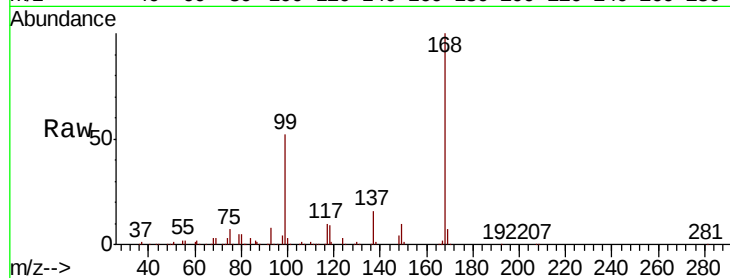




#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY002589.D
Acq: 05 May 2020 16:13

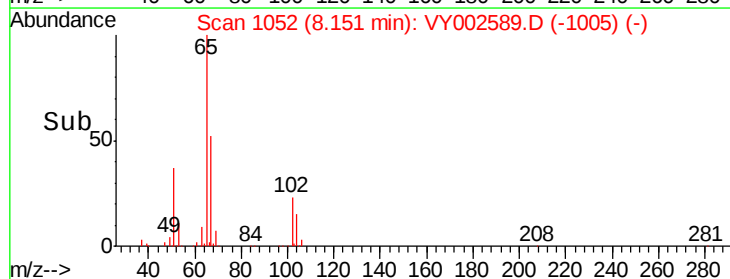
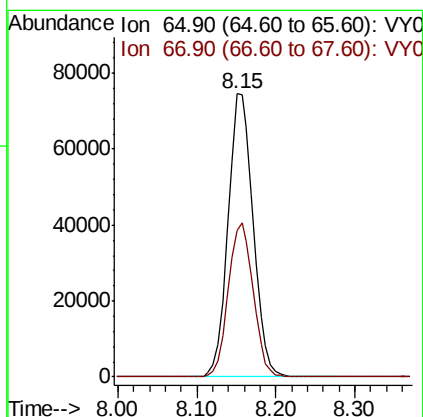
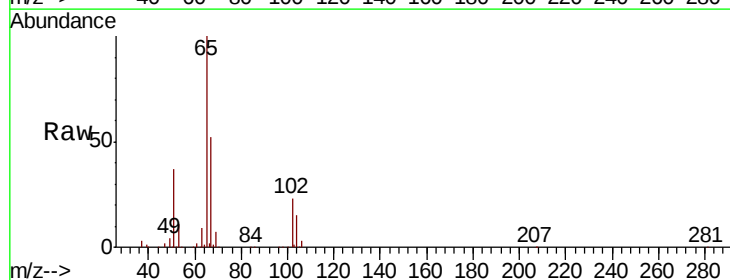
Instrument :
MSVOA_Y
ClientSampled :

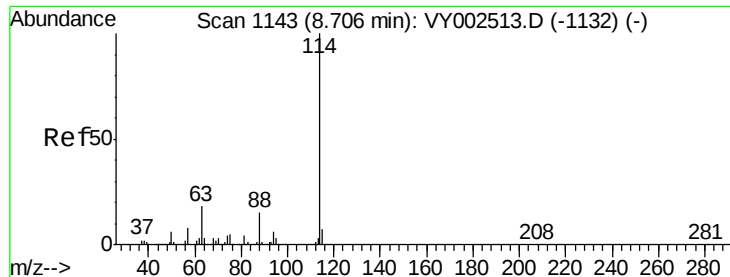
Tot Ion: 56 Resp: 5499
Ion Ratio Lower Upper
56 100
69 168.8 27.6 41.4#
84 163.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 56.009 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY002589.D
Acq: 05 May 2020 16:13

Tgt Ion: 65 Resp: 164608
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2

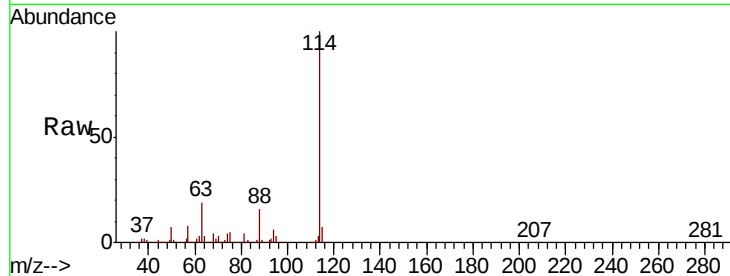




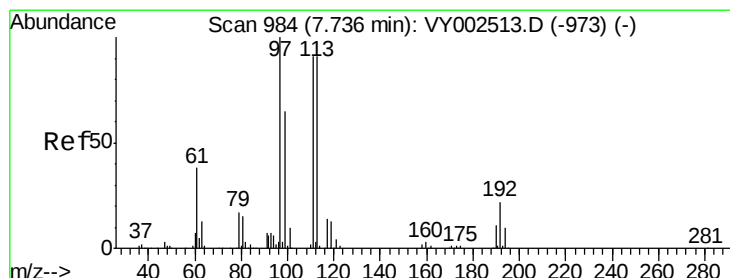
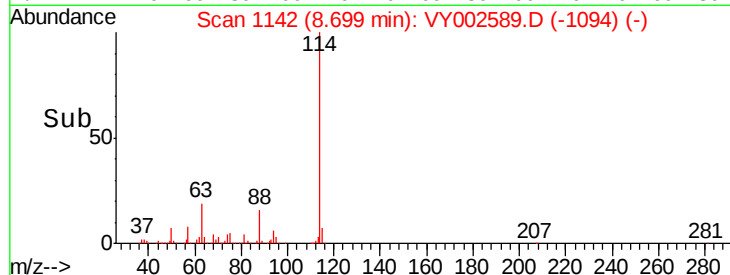
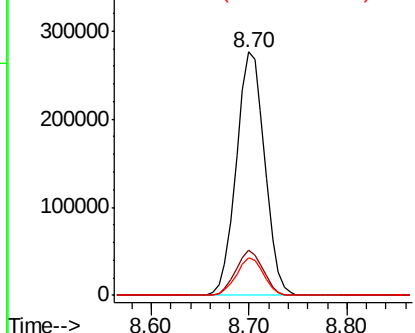
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002589.D
 Acq: 05 May 2020 16:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	36.4
88	15.5	0.0	29.6

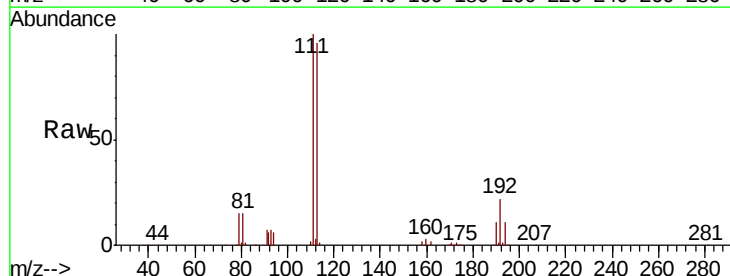


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

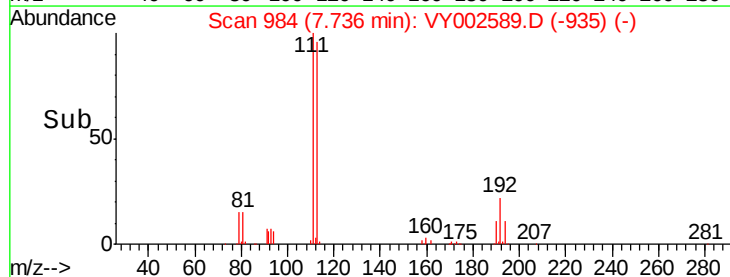
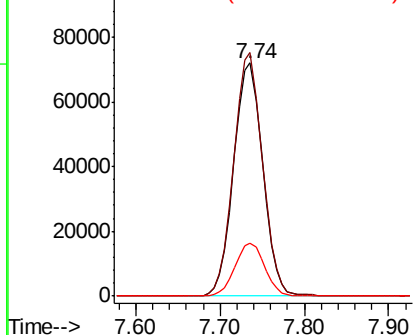


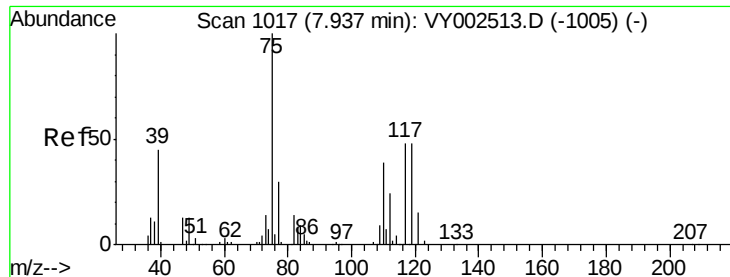
#35
 Dibromofluoromethane
 Concen: 53.038 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002589.D
 Acq: 05 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	23.1	18.2	27.4



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

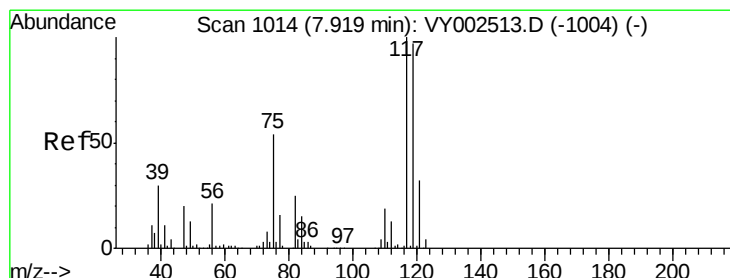
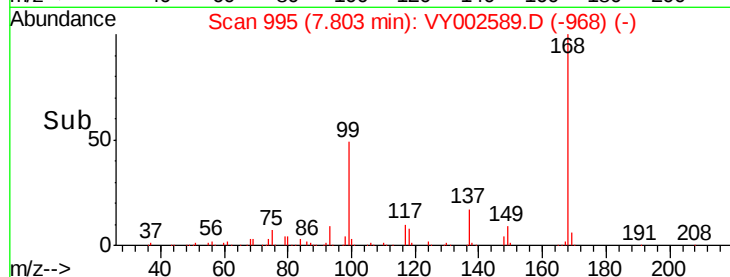
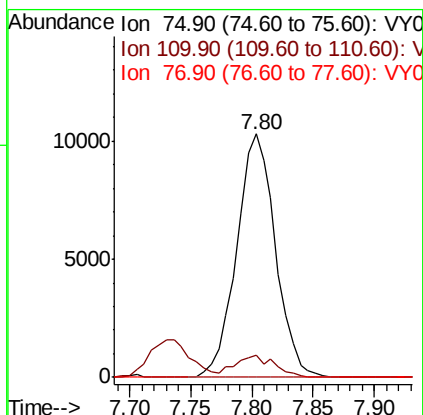
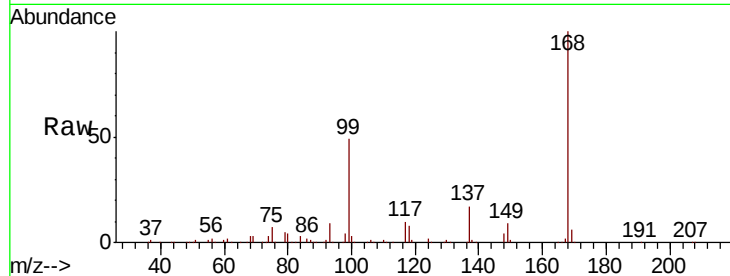




#36
 1,1-Dichloropropene
 Concen: 4.863 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002589.D
 Acq: 05 May 2020 16:13

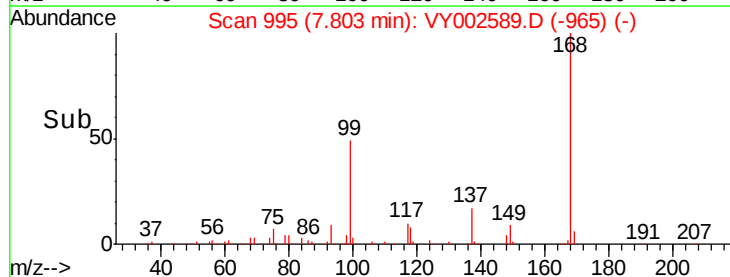
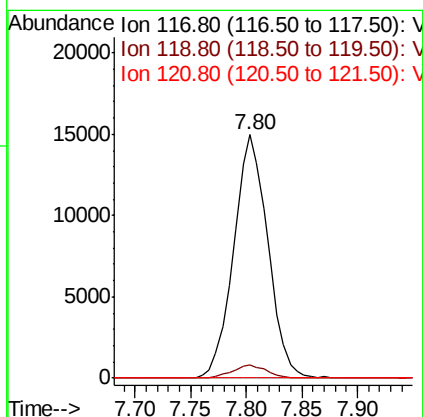
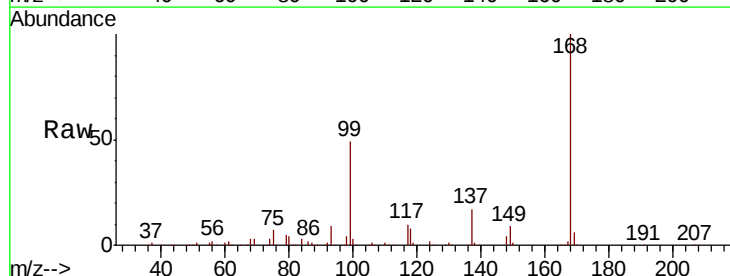
Instrument :
 MSVOA_Y
 ClientSampled :

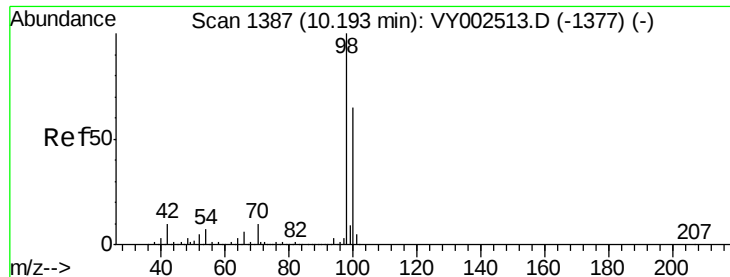
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.261 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002589.D
 Acq: 05 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.187 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002589.D

Acq: 05 May 2020 16:13

Instrument :

MSVOA_Y

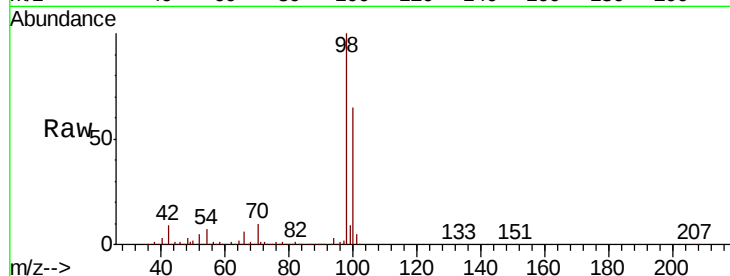
ClientSampleId :

Tot Ion: 98 Resp: 646696

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002513.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002513.D (-1377) (-)

10.19

400000

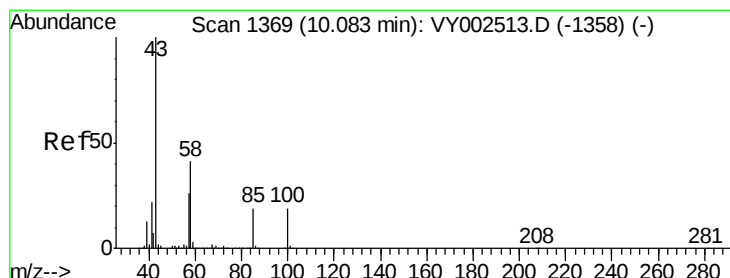
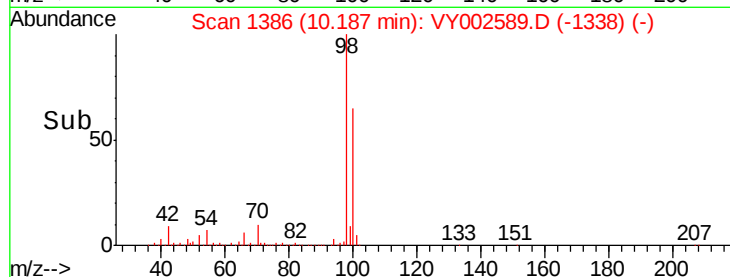
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.147 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002589.D

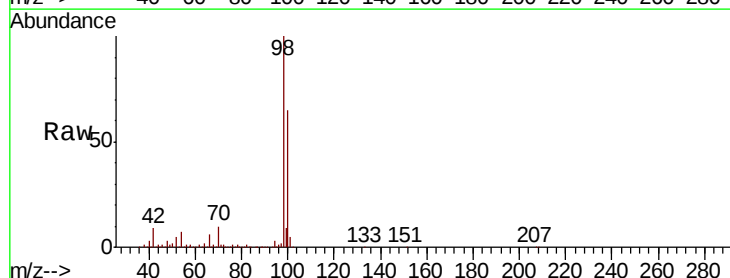
Acq: 05 May 2020 16:13

Tgt Ion: 43 Resp: 2649

Ion Ratio Lower Upper

43 100

58 178.7 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-1358) (-)

10.19

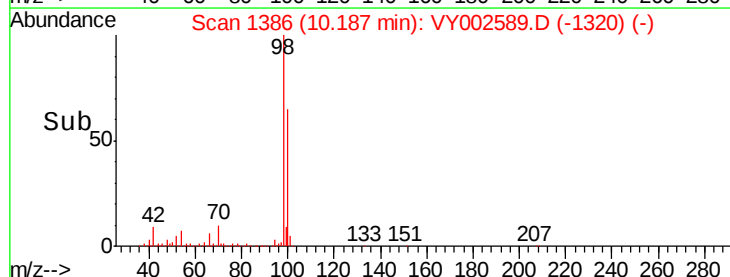
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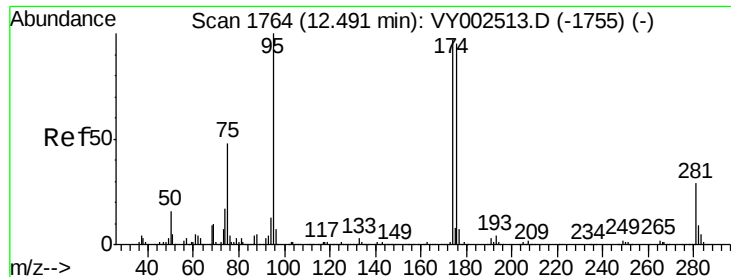
2000

1000

0

Time-->

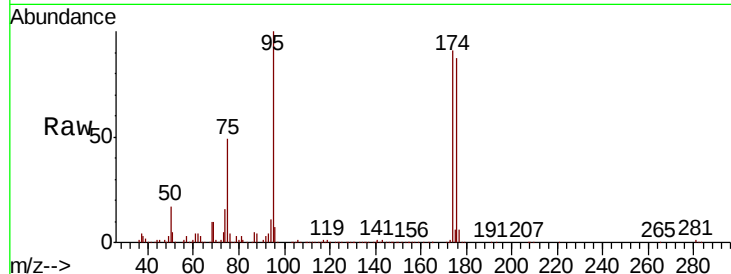




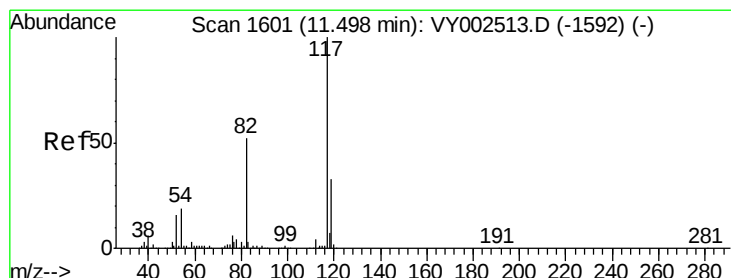
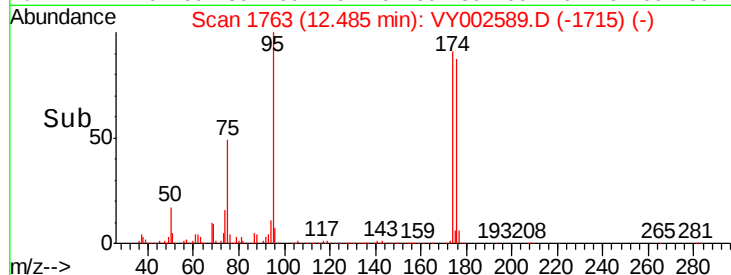
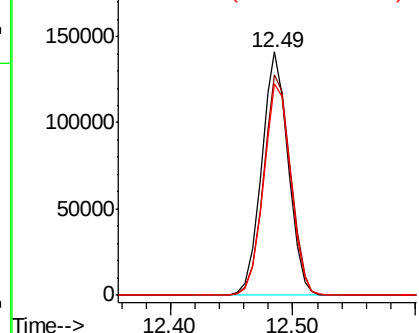
#62
4-Bromofluorobenzene
Concen: 50.718 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002589.D
Acq: 05 May 2020 16:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	188.8
176	89.1	0.0	183.2

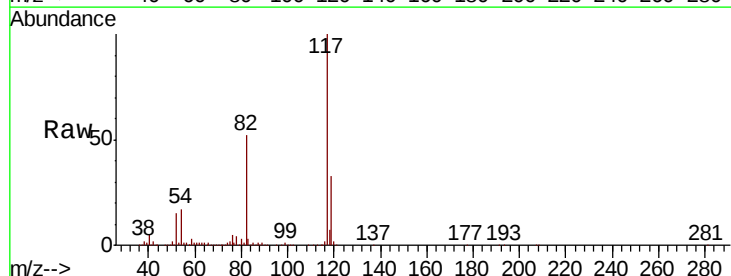


Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)
Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)
Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

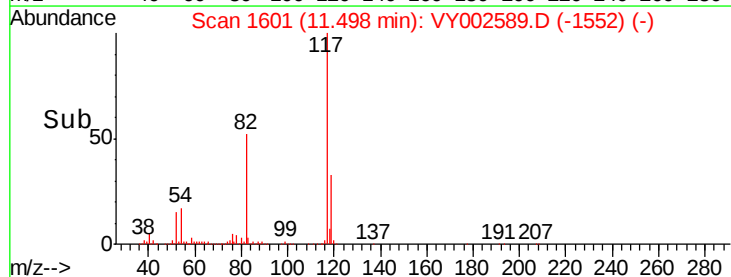
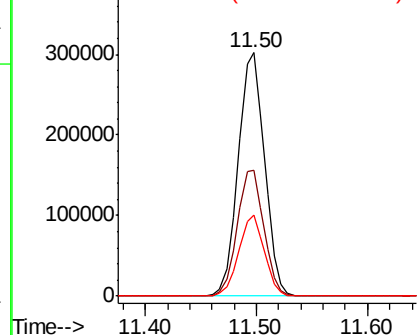


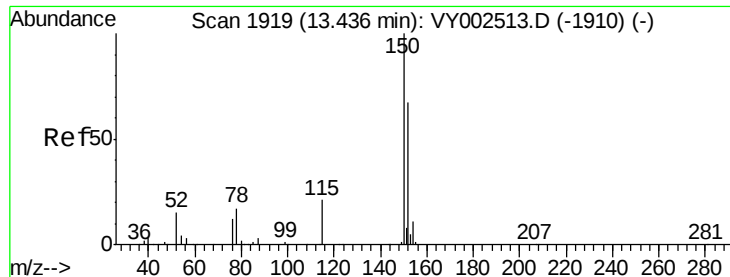
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002589.D
Acq: 05 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.3	61.9
119	33.1	26.0	39.0



Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)
Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)
Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002589.D

Acq: 05 May 2020 16:13

Instrument :

MSVOA_Y

ClientSampleId :

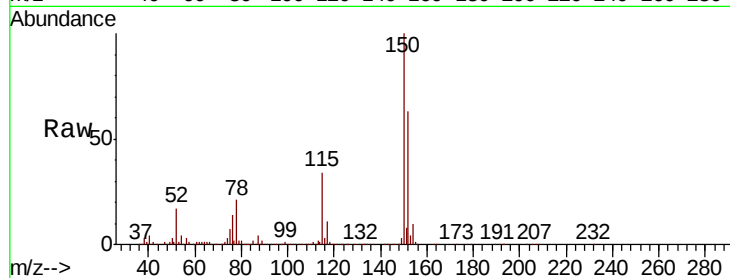
Tot Ion:152 Resp: 240710

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

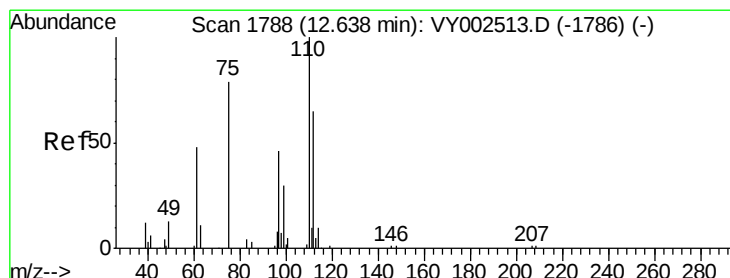
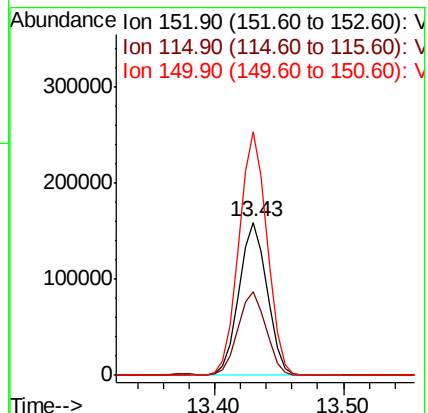
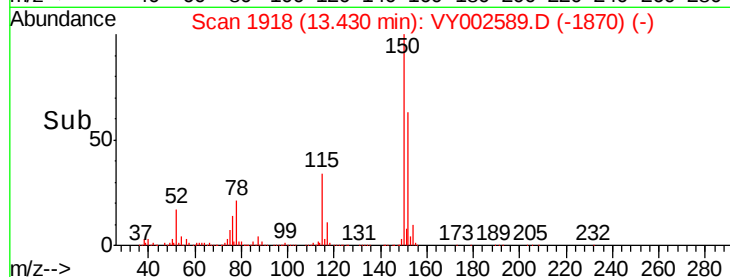
150 158.7 0.0 346.4



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: 48.061 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002589.D

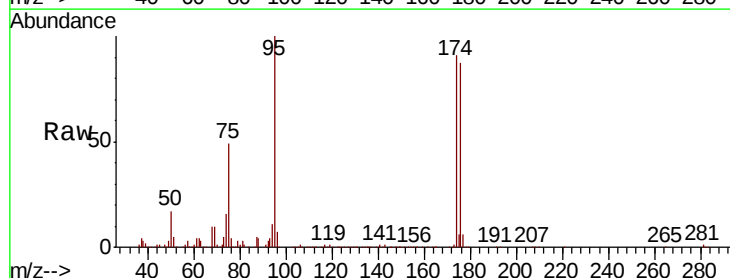
Acq: 05 May 2020 16:13

Tgt Ion: 75 Resp: 102808

Ion Ratio Lower Upper

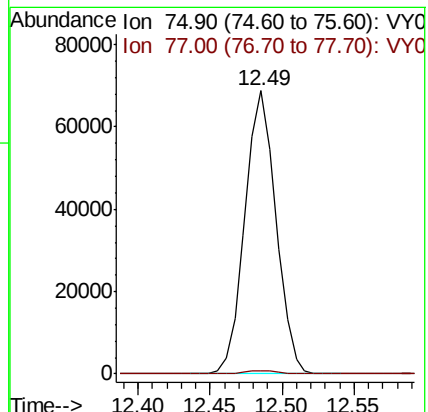
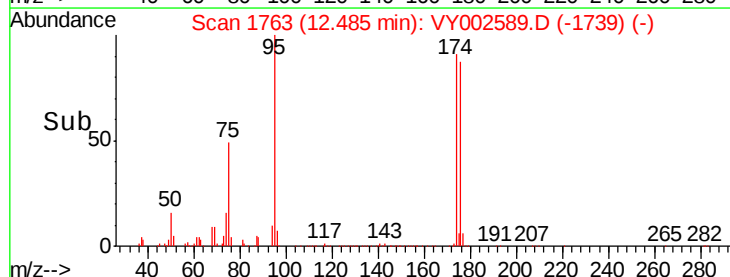
75 100

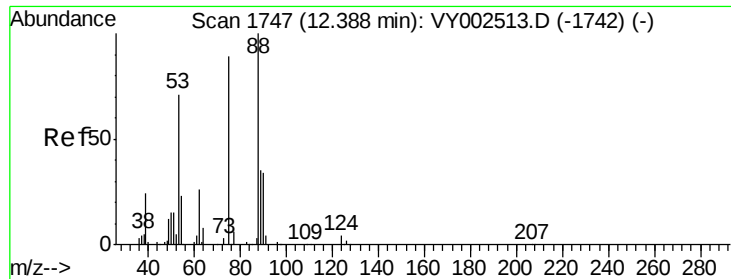
77 1.5 0.0 0.0#



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: 96.372 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002589.D

Acq: 05 May 2020 16:13

Instrument :

MSVOA_Y

ClientSampleId :

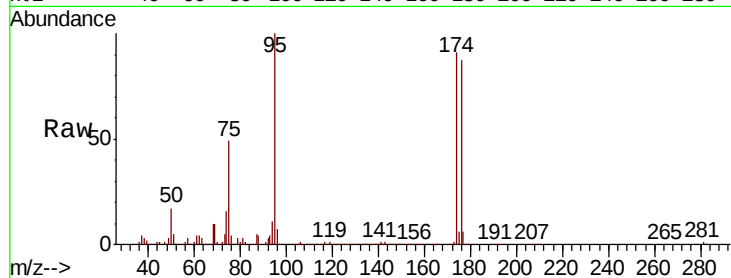
Tot Ion: 75 Resp: 102808

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

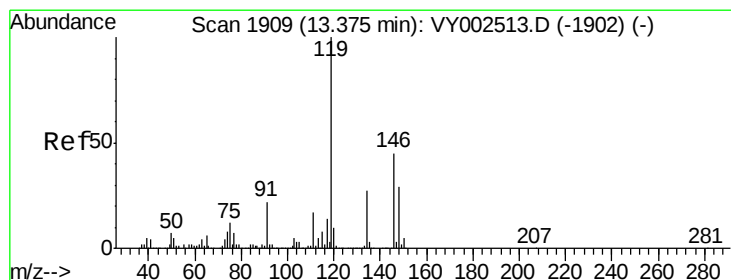
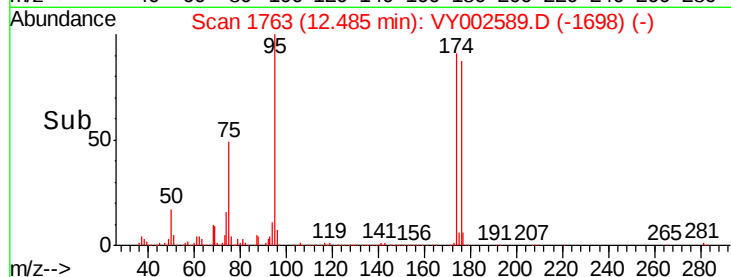
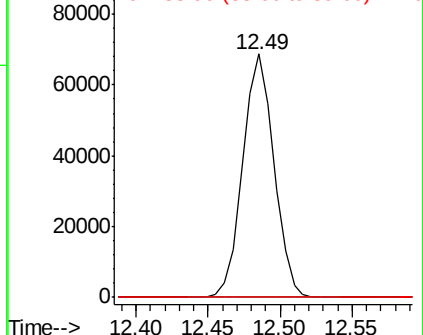
89 0.0 37.4 56.0#



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



#86

p-Isopropyltoluene

Concen: 1.699 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002589.D

Acq: 05 May 2020 16:13

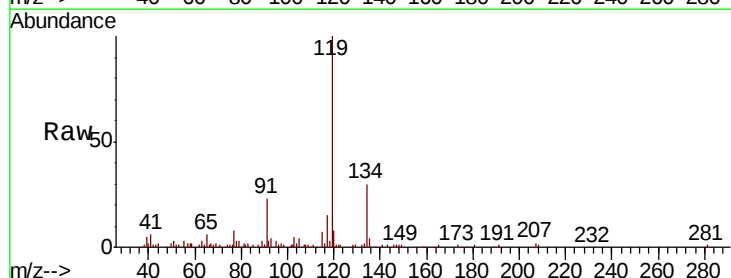
Tgt Ion: 119 Resp: 25041

Ion Ratio Lower Upper

119 100

134 28.9 13.5 40.5

91 21.9 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

