

Data File : VY002500.D
Acq On : 29 Apr 2020 11:14
Operator : SY/MD
Sample : VY0429SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Quant Time: Apr 30 04:12:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	245953	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	381617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	350976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	180324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	127871	59.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.96%	
35) Dibromofluoromethane	7.74	113	116195	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.19	98	447949	51.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.49	95	145119	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

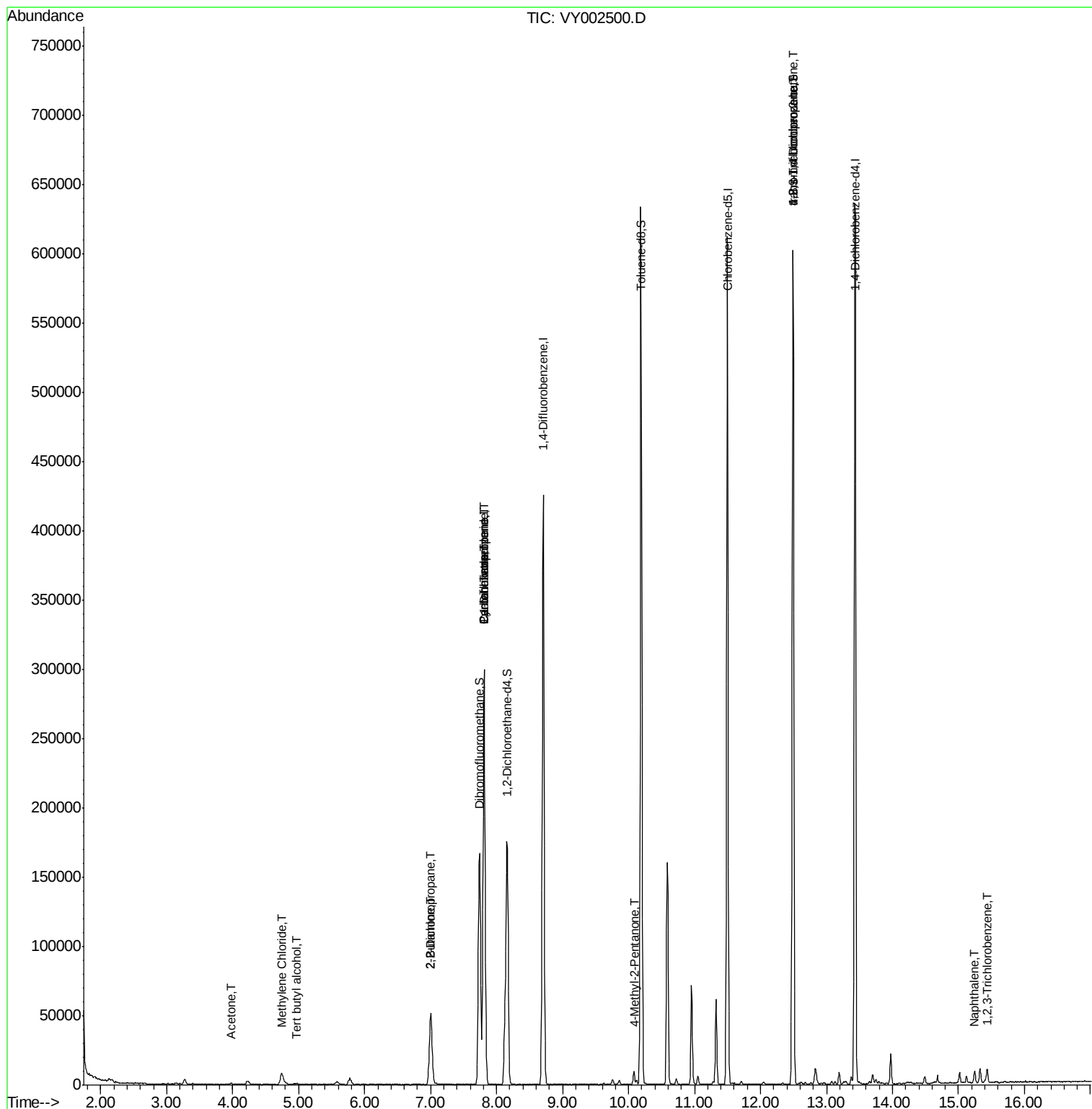
						Qvalue
11) Tert butyl alcohol	4.98	59	620	3.064	ug/l #	72
16) Acetone	3.98	43	1502	3.343	ug/l	91
20) Methylene Chloride	4.75	84	6338	2.471	ug/l #	93
25) 2-Butanone	7.00	43	2450	3.560	ug/l #	73
26) 2,2-Dichloropropane	7.00	77	3851	1.087	ug/l #	51
31) Cyclohexane	7.81	56	4008	1.082	ug/l #	27
36) 1,1-Dichloropropene	7.81	75	14834	4.533	ug/l #	50
38) Carbon Tetrachloride	7.81	117	22781	6.054	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	5895	3.691	ug/l	93
76) 1,2,3-Trichloropropane	12.49	75	74610	48.817	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	74610	90.336	ug/l #	15
95) Naphthalene	15.25	128	7392	1.049	ug/l	96
96) 1,2,3-Trichlorobenzene	15.44	180	3562	1.105	ug/l	98

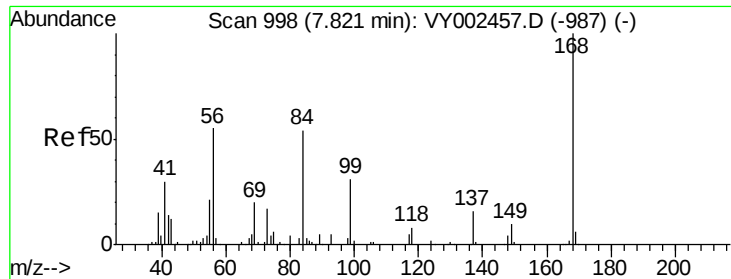
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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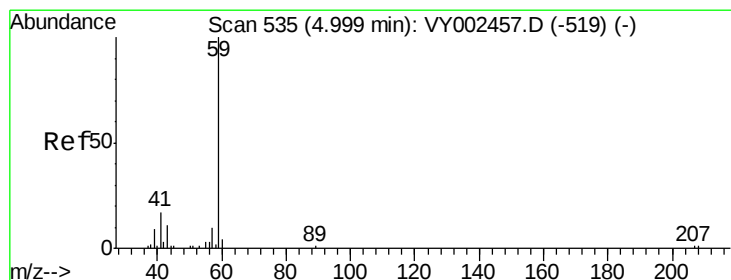
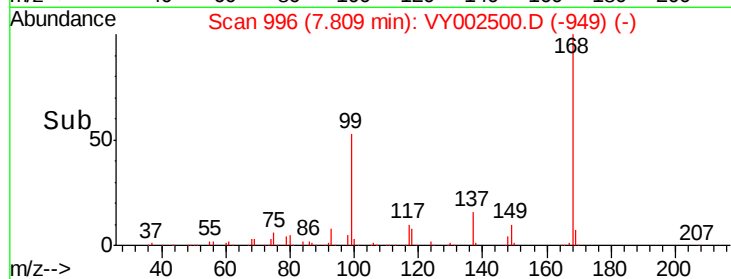
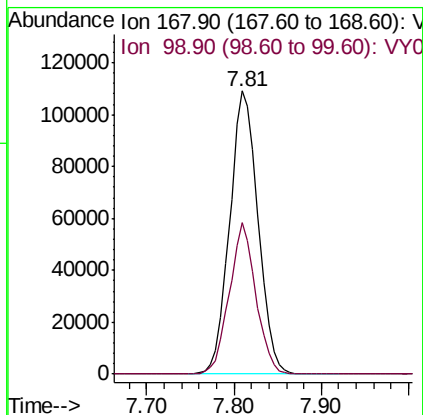
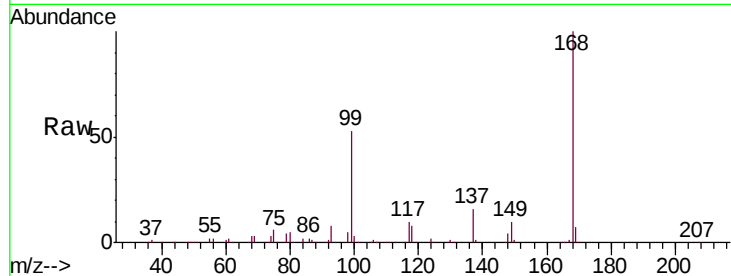


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VY002500.D
 Acq: 29 Apr 2020 11:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBL01

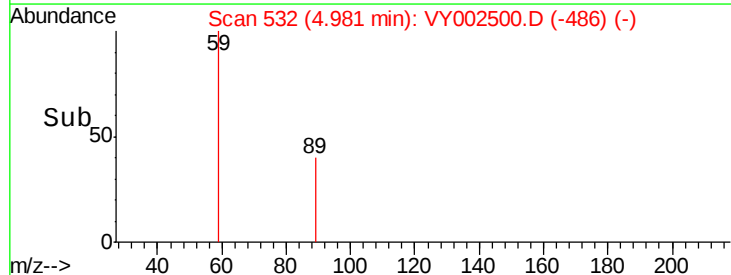
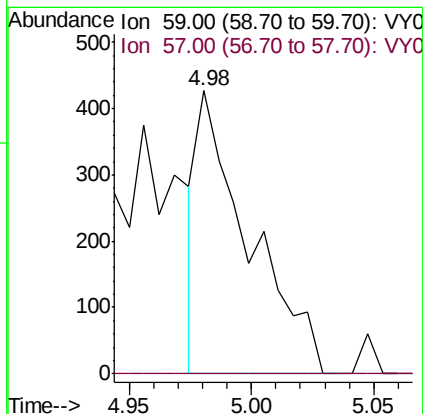
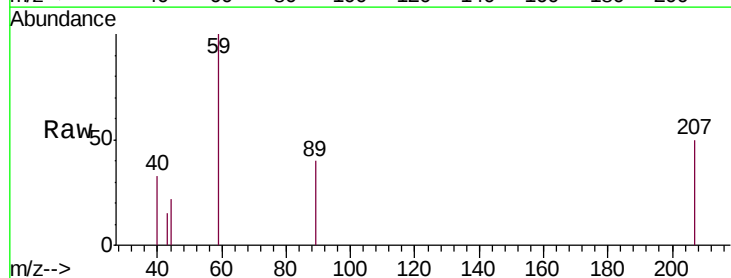
Tgt Ion: 168 Resp: 245953
 Ion Ratio Lower Upper
 168 100
 99 53.4 39.7 59.5

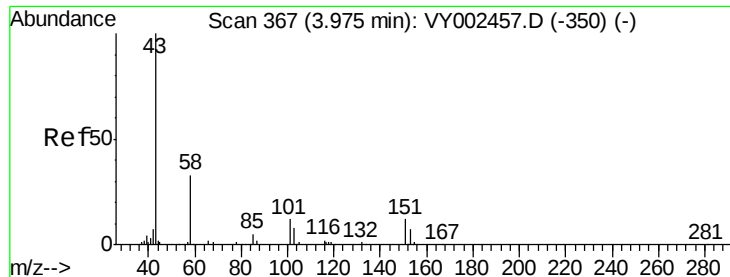


#11

Tert butyl alcohol
 Concen: 3.064 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VY002500.D
 Acq: 29 Apr 2020 11:14

Tgt Ion: 59 Resp: 620
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





#16

Acetone

Concen: 3.343 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

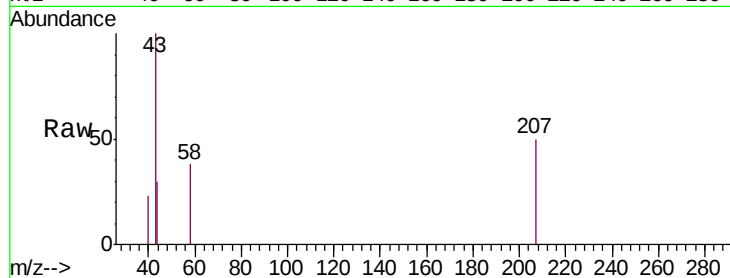
VY0429SBL01

Tgt Ion: 43 Resp: 1502

Ion Ratio Lower Upper

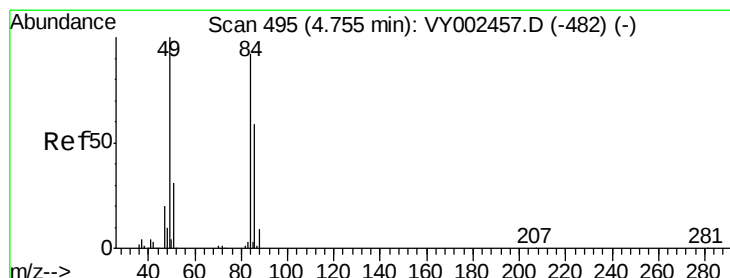
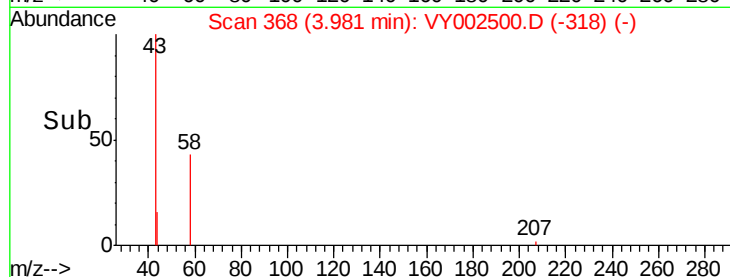
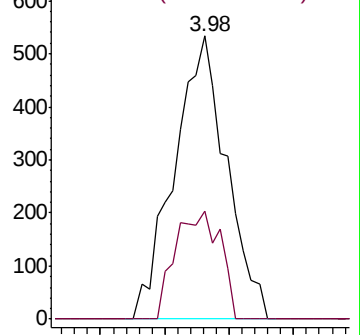
43 100

58 38.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.471 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Tgt Ion: 84 Resp: 6338

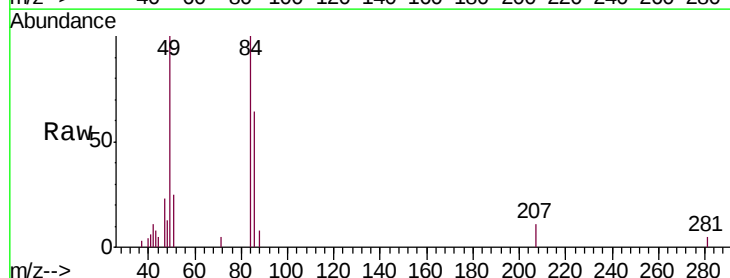
Ion Ratio Lower Upper

84 100

49 99.7 86.9 130.3

51 25.1 27.3 40.9#

86 63.8 51.0 76.6

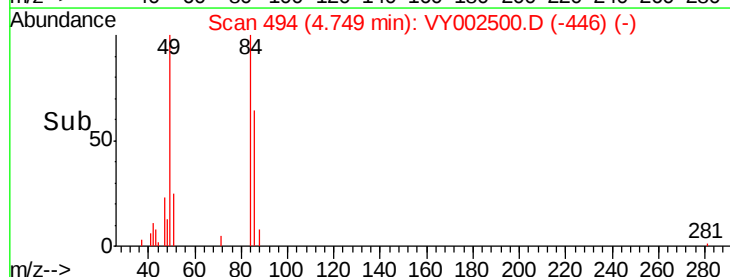
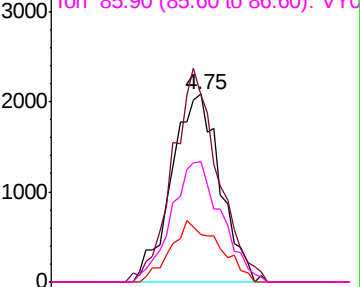


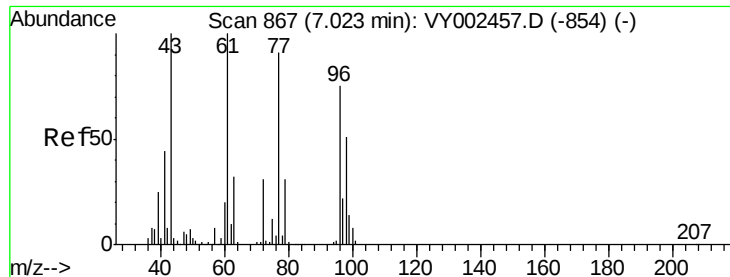
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#25

2-Butanone

Concen: 3.560 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

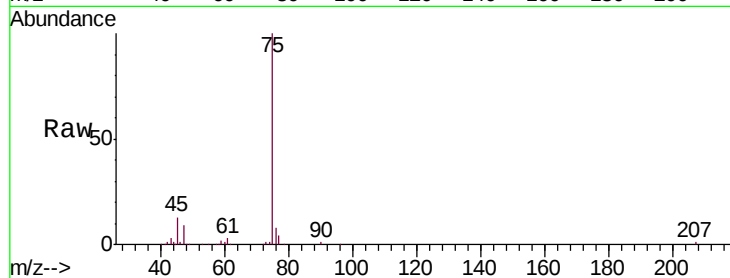
VY0429SBL01

Tgt Ion: 43 Resp: 2450

Ion Ratio Lower Upper

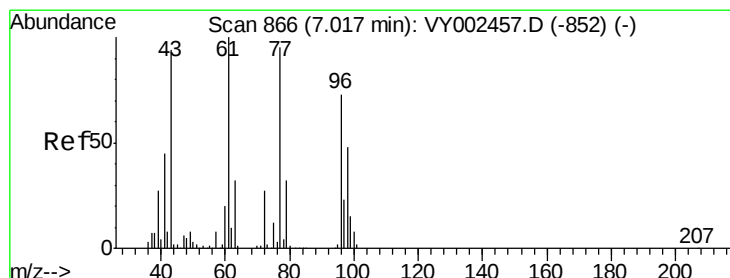
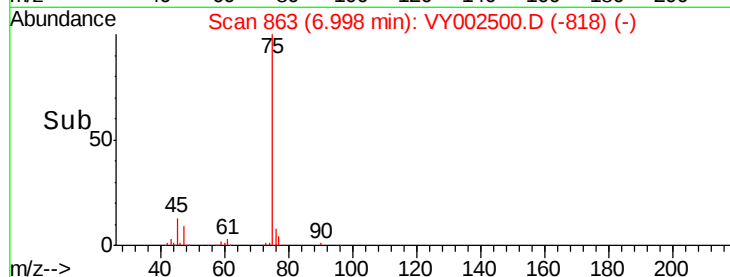
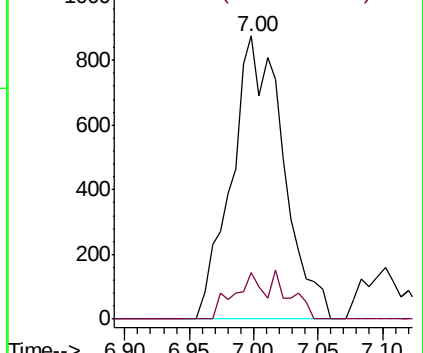
43 100

72 16.3 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002500.D

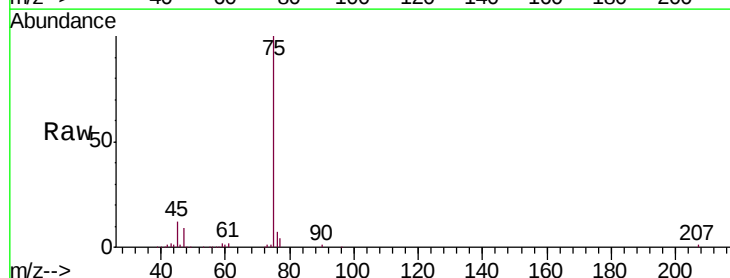
Acq: 29 Apr 2020 11:14

Tgt Ion: 77 Resp: 3851

Ion Ratio Lower Upper

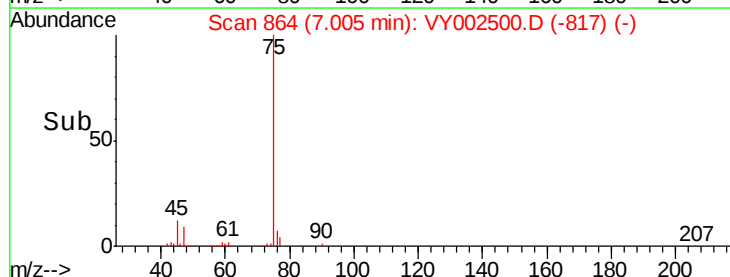
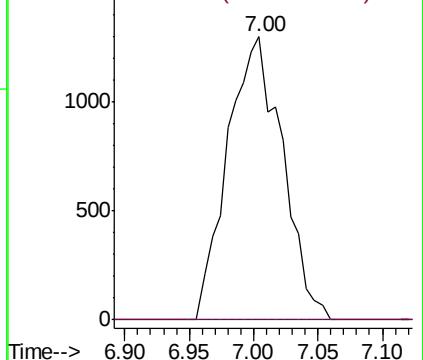
77 100

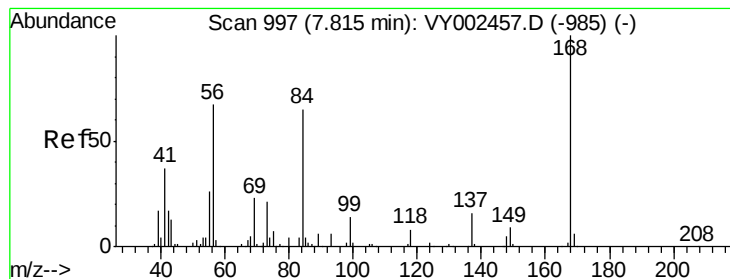
97 0.0 12.0 36.0#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#31

Cyclohexane

Concen: 1.082 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBL01

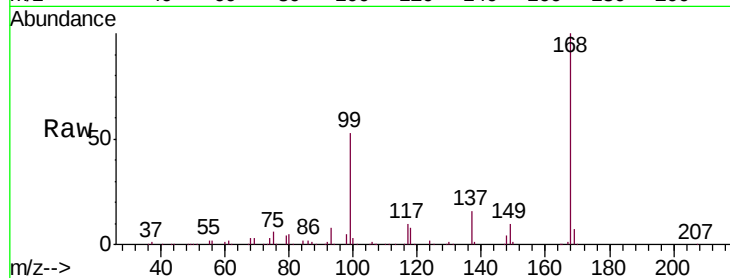
Tgt Ion: 56 Resp: 4008

Ion Ratio Lower Upper

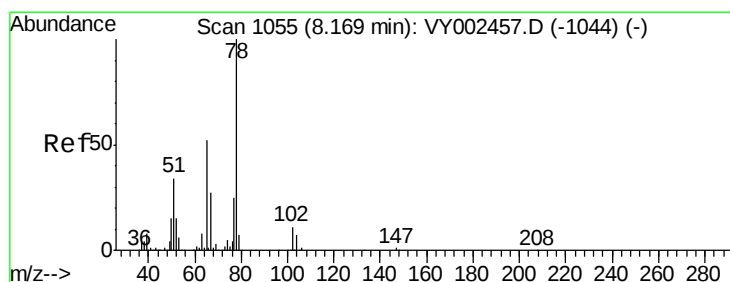
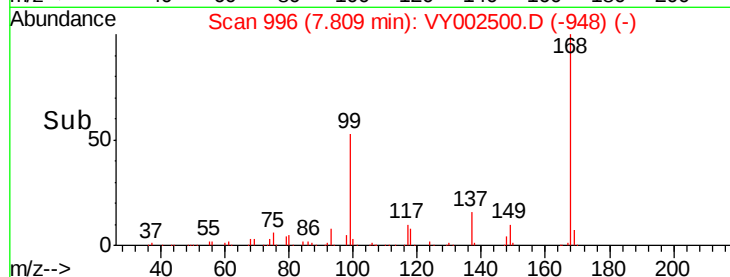
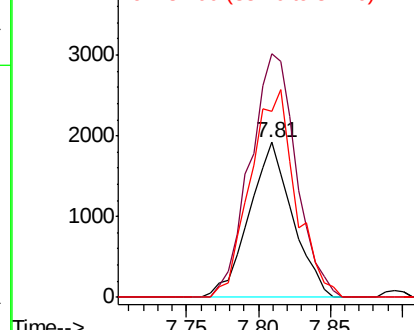
56 100

69 156.8 27.0 40.6#

84 119.5 77.4 116.2#



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: 59.483 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002500.D

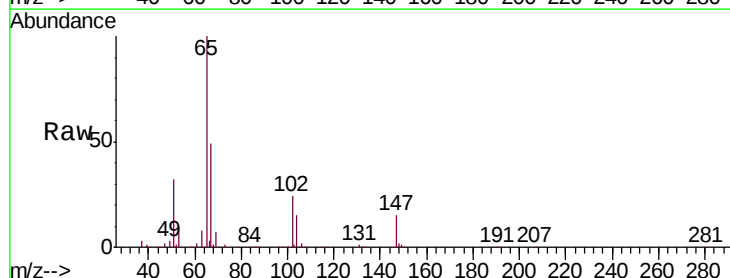
Acq: 29 Apr 2020 11:14

Tgt Ion: 65 Resp: 127871

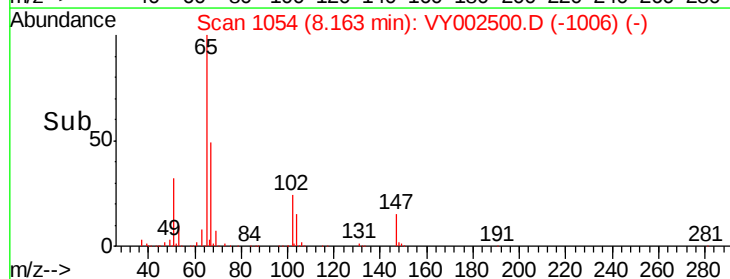
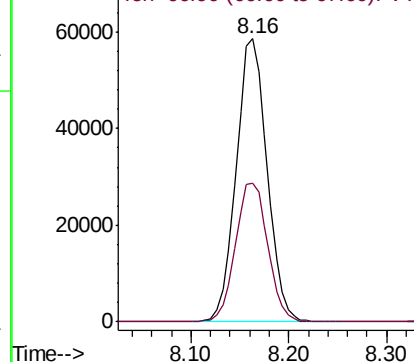
Ion Ratio Lower Upper

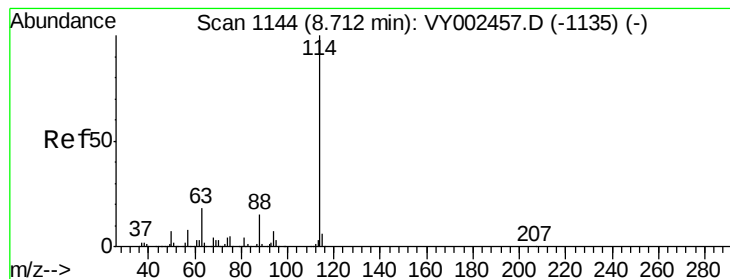
65 100

67 51.6 0.0 104.2



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: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBL01

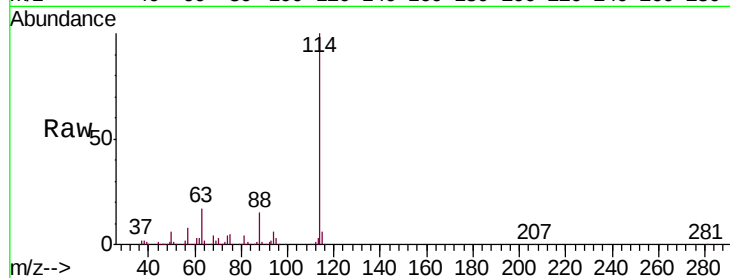
Tgt Ion:114 Resp: 381617

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.6

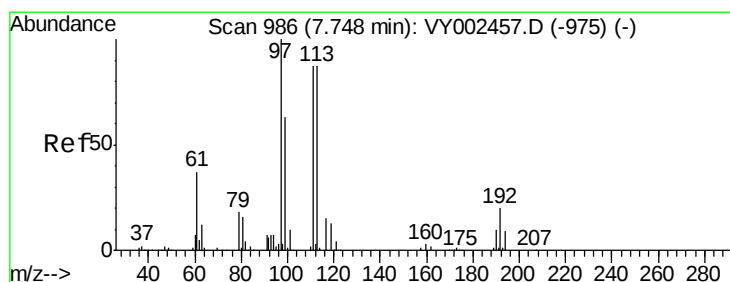
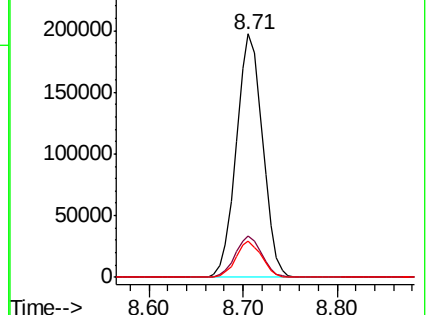
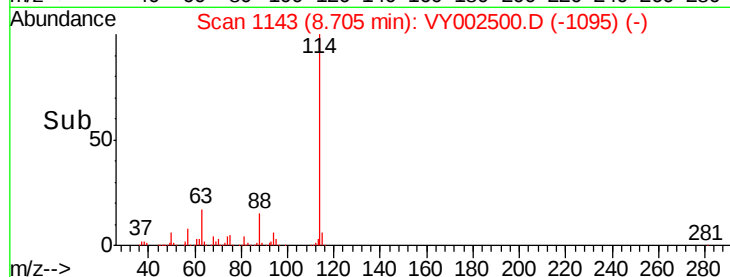
88 14.8 0.0 29.4



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: 53.981 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

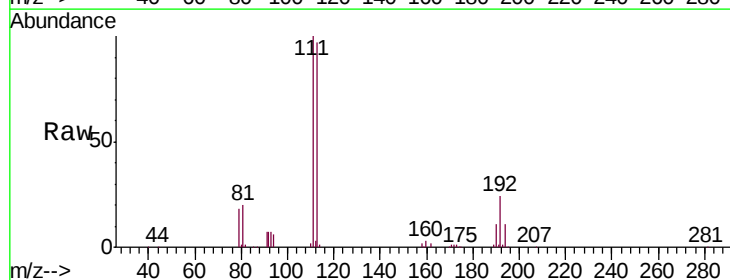
Tgt Ion:113 Resp: 116195

Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.4

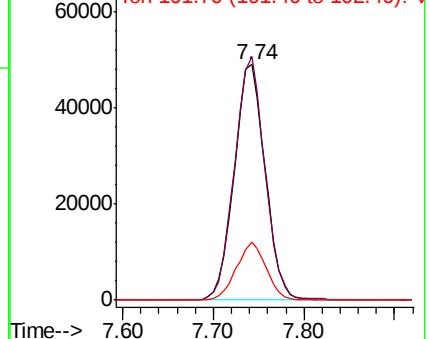
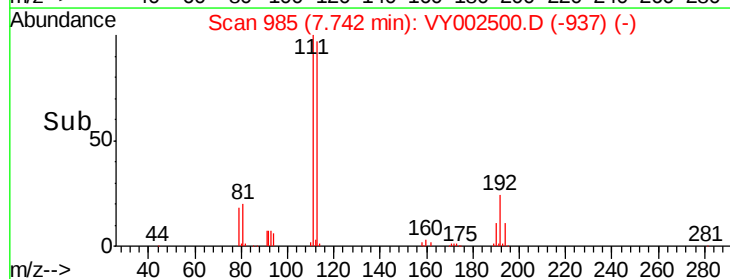
192 23.7 18.6 27.8

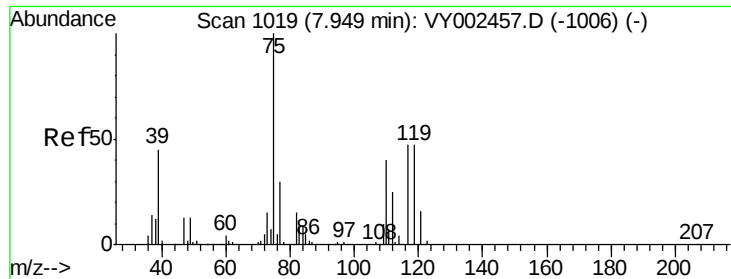


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

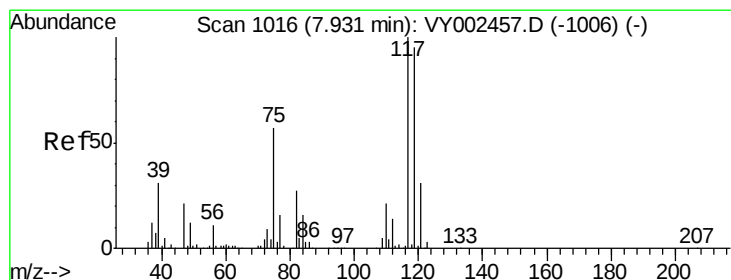
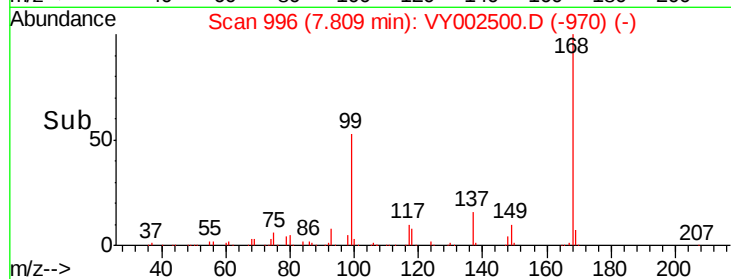
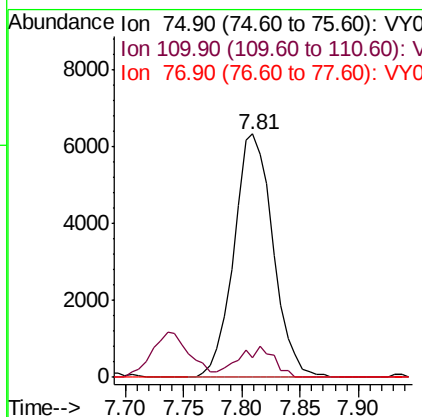
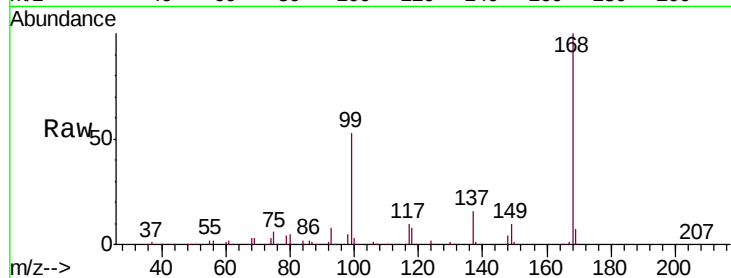




#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.14 min
 Lab File: VY002500.D
 Acq: 29 Apr 2020 11:14

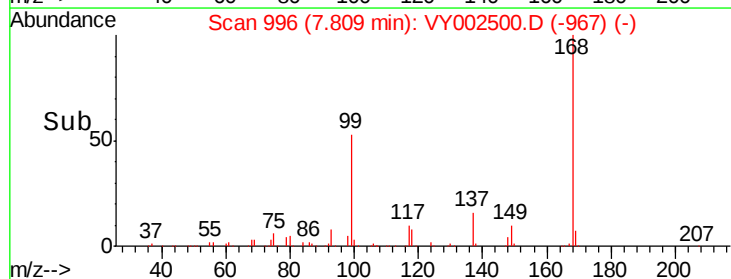
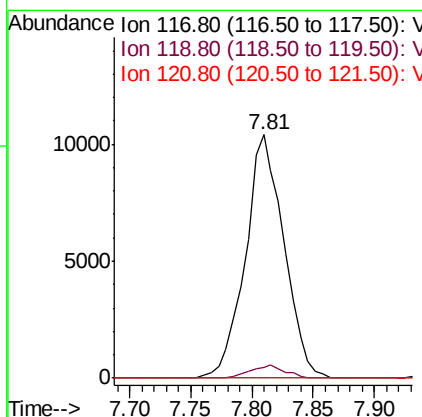
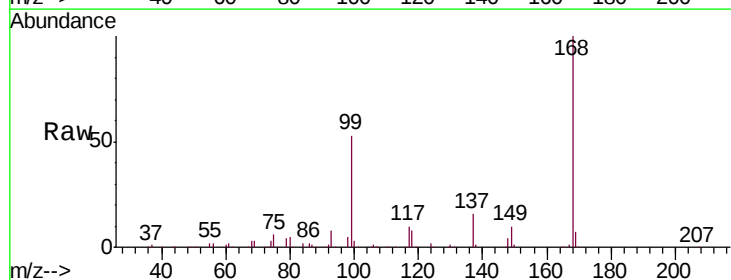
Instrument :
 MSVOA_Y
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 VY0429SBL01

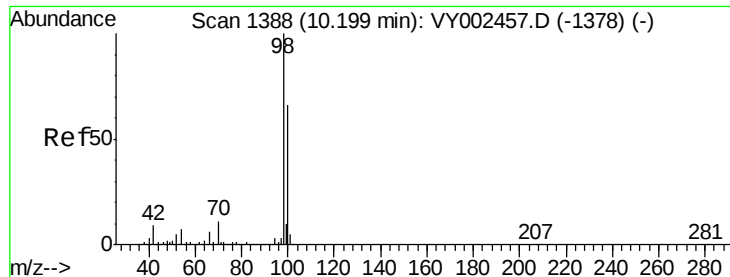
Tgt Ion: 75 Resp: 14834
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.4 58.4#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.054 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002500.D
 Acq: 29 Apr 2020 11:14

Tgt Ion: 117 Resp: 22781
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.9 113.9#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.777 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

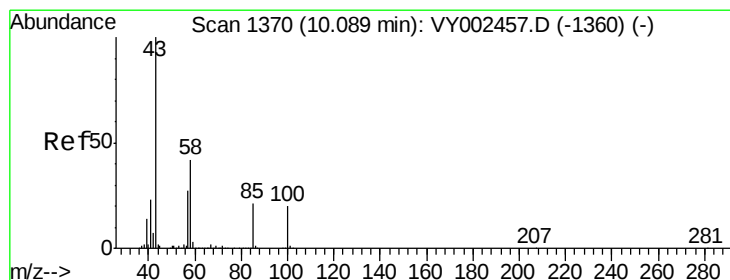
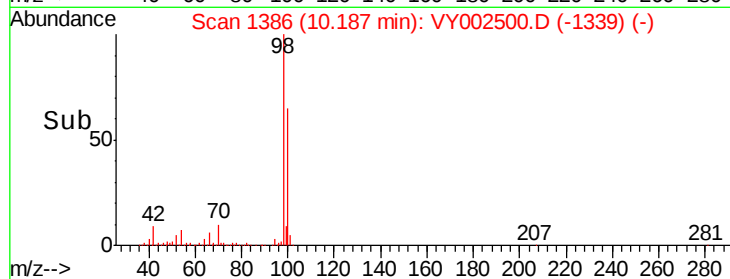
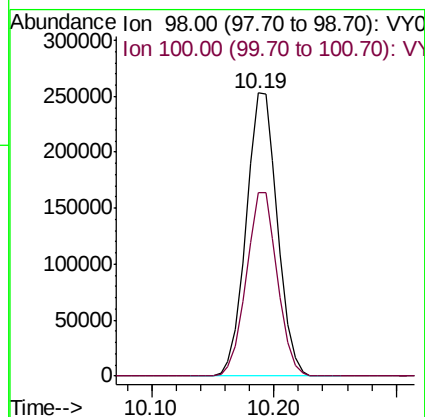
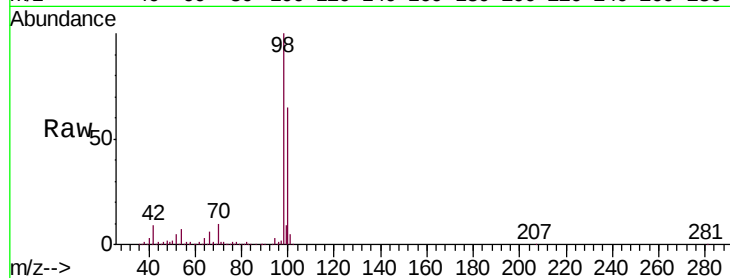
VY0429SBL01

Tgt Ion: 98 Resp: 447949

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 3.691 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VY002500.D

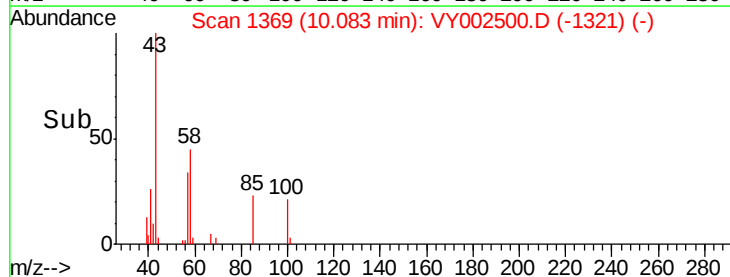
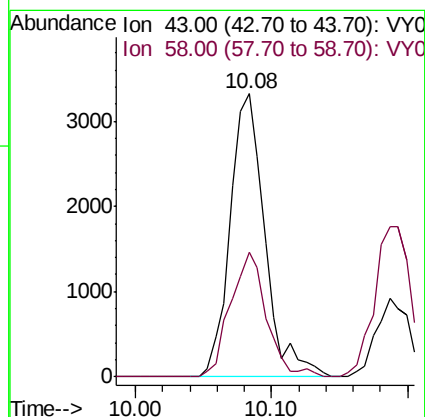
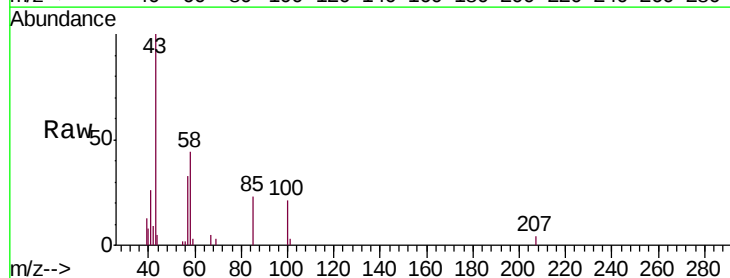
Acq: 29 Apr 2020 11:14

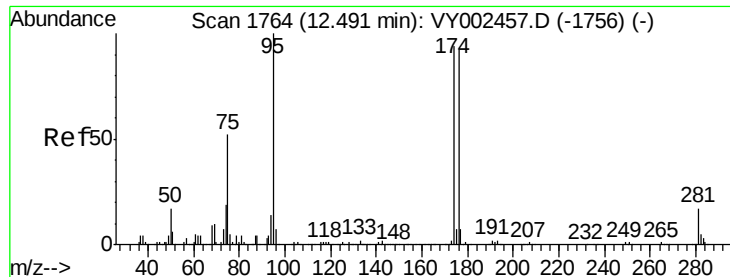
Tgt Ion: 43 Resp: 5895

Ion Ratio Lower Upper

43 100

58 46.0 33.2 49.8





#62

4-Bromofluorobenzene

Concen: 49.990 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBL01

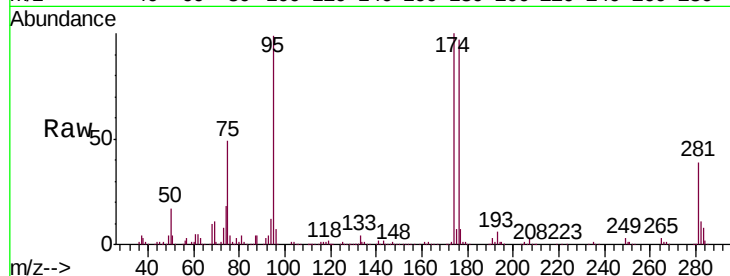
Tgt Ion: 95 Resp: 145119

Ion Ratio Lower Upper

95 100

174 99.8 0.0 193.0

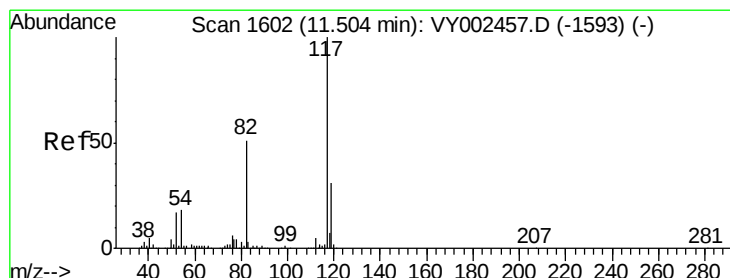
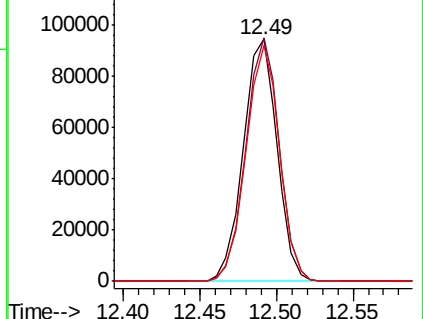
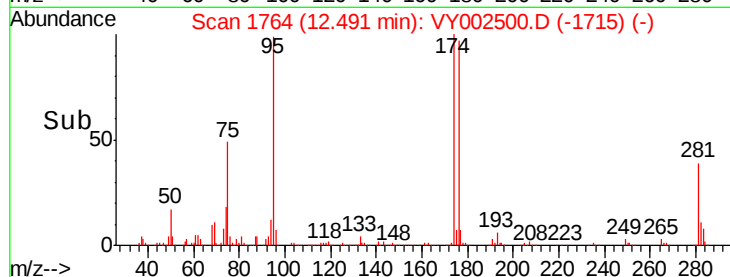
176 96.6 0.0 190.4



Abundance Ion 94.90 (94.60 to 95.60): VY002500.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY002500.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY002500.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

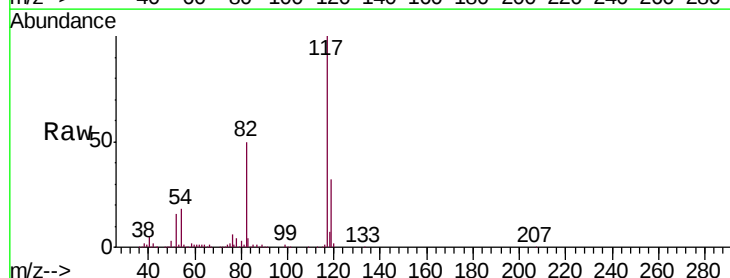
Tgt Ion: 117 Resp: 350976

Ion Ratio Lower Upper

117 100

82 50.2 40.8 61.2

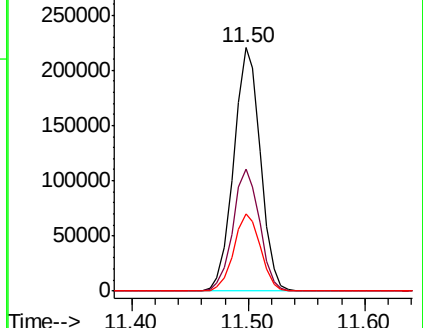
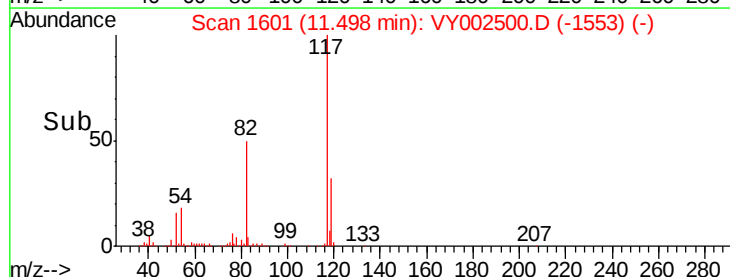
119 32.0 25.2 37.8

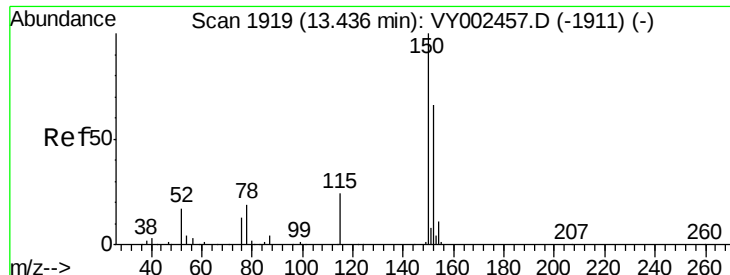


Abundance Ion 116.90 (116.60 to 117.60): VY002500.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY002500.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY002500.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBL01

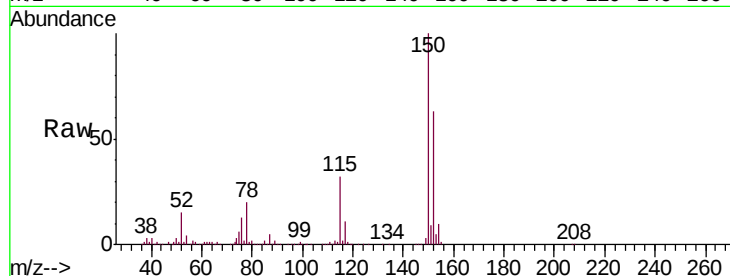
Tgt Ion:152 Resp: 180324

Ion Ratio Lower Upper

152 100

115 52.8 27.3 81.8

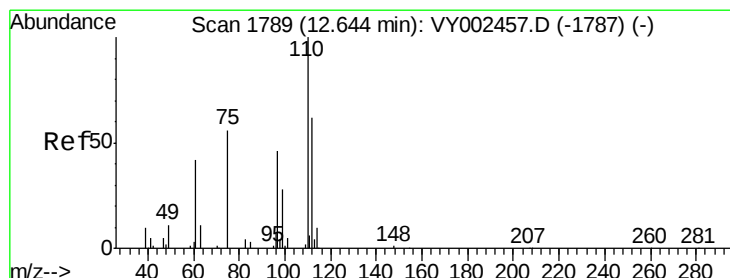
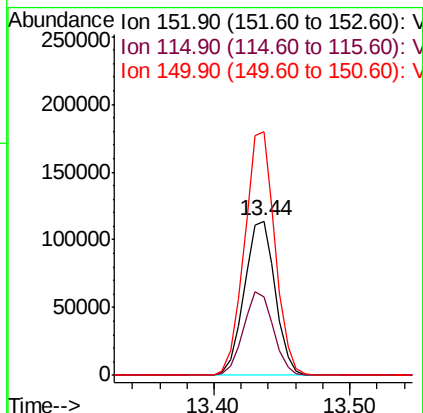
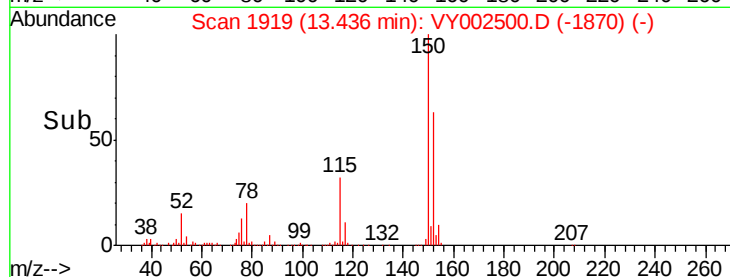
150 155.3 0.0 346.8



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: 48.817 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002500.D

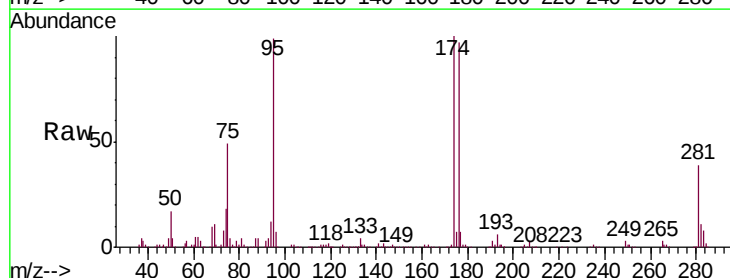
Acq: 29 Apr 2020 11:14

Tgt Ion: 75 Resp: 74610

Ion Ratio Lower Upper

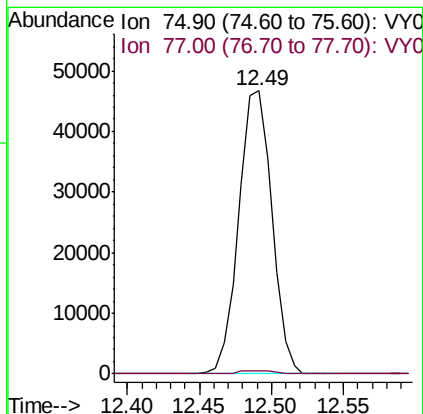
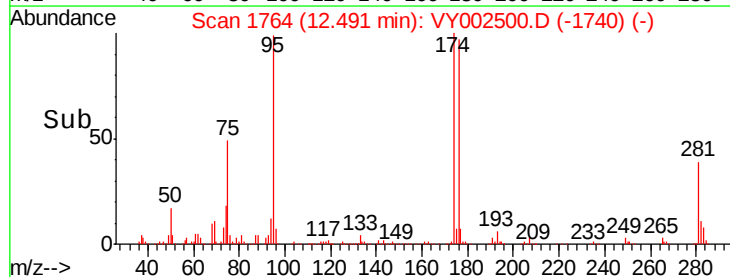
75 100

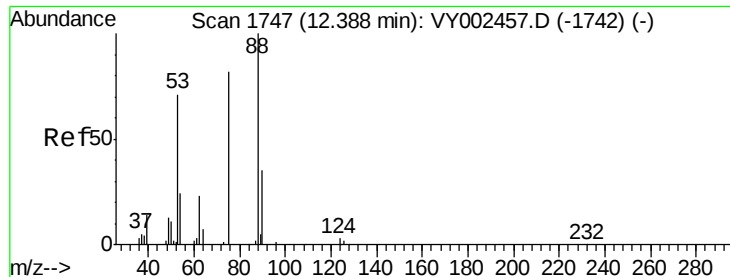
77 1.3 0.0 0.0#



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: 90.336 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBL01

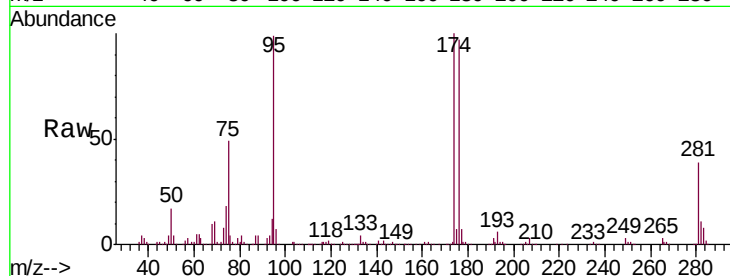
Tgt Ion: 75 Resp: 74610

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

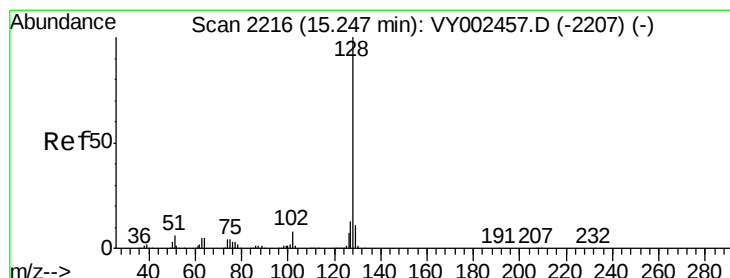
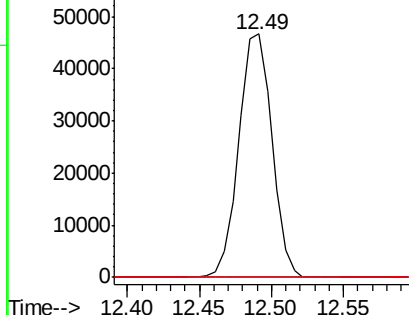
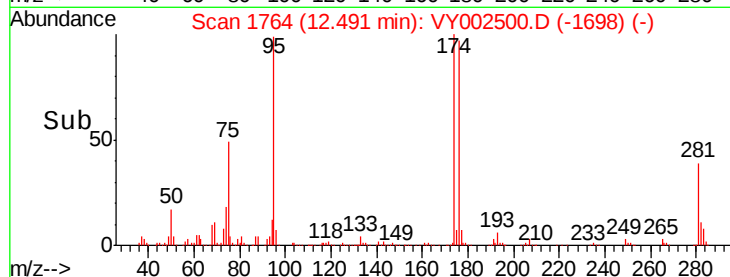
89 0.2 34.9 52.3#



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



#95

Naphthalene

Concen: 1.049 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

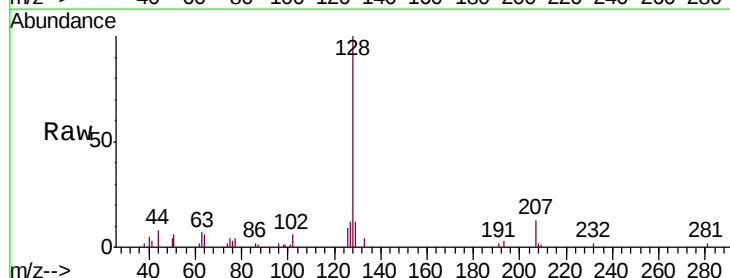
Tgt Ion: 128 Resp: 7392

Ion Ratio Lower Upper

128 100

127 15.1 10.5 15.7

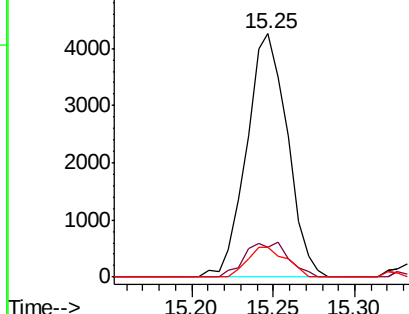
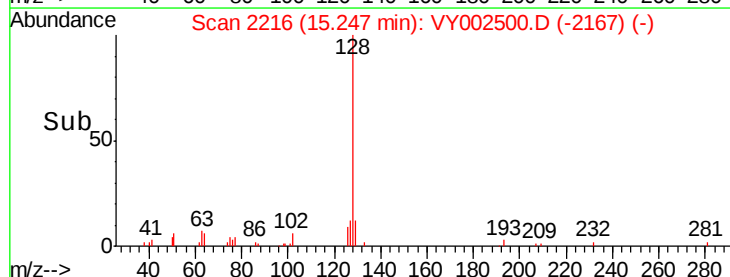
129 11.7 8.8 13.2

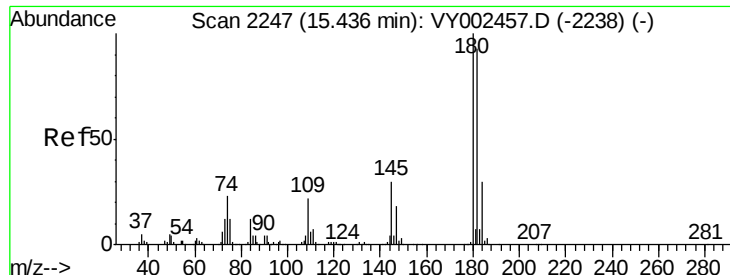


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

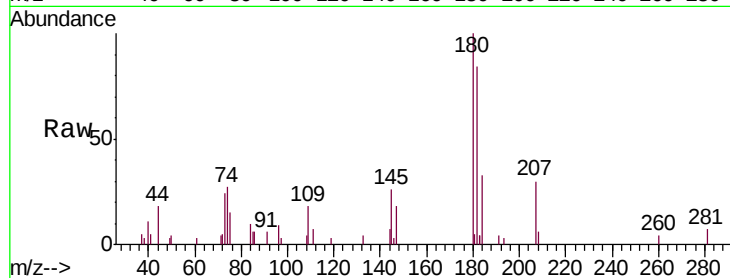




#96
 1,2,3-Trichlorobenzene
 Concen: 1.105 ug/l
 RT: 15.44 min Scan# 2247
 Delta R.T. 0.00 min
 Lab File: VY002500.D
 Acq: 29 Apr 2020 11:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	27.0	15.3	45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

