

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003564.D
 Acq On : 20 Nov 2020 13:57
 Operator : SY/MD
 Sample : VY1120SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:49:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	121260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	254347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	229789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	83648	66.44	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.88%
35) Dibromofluoromethane	7.72	113	83232	49.78	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.56%
50) Toluene-d8	10.18	98	299527	46.07	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.14%
62) 4-Bromofluorobenzene	12.48	95	92394	44.78	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.56%

Target Compounds

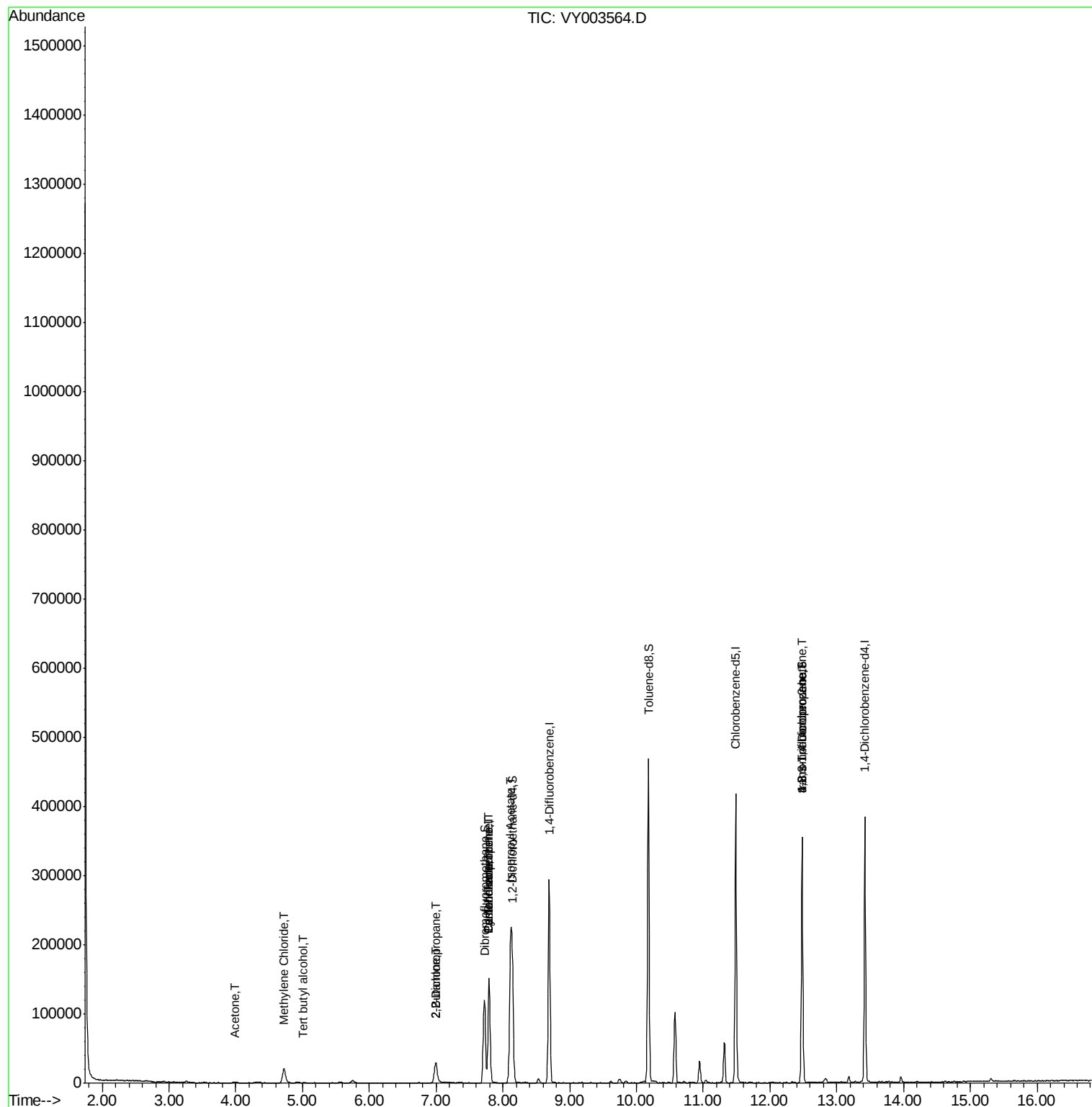
					Qvalue	
11) Tert butyl alcohol	5.01	59	404	4.245	ug/l #	100
16) Acetone	3.99	43	1738	4.134	ug/l #	85
20) Methylene Chloride	4.71	84	14895	5.962	ug/l	91
25) 2-Butanone	6.99	43	2093	3.837	ug/l	91
26) 2,2-Dichloropropane	7.00	77	2265	1.517	ug/l #	54
31) Cyclohexane	7.80	56	2654	1.458	ug/l #	19
36) 1,1-Dichloropropene	7.79	75	8929	3.566	ug/l #	46
38) Carbon Tetrachloride	7.79	117	11217	4.836	ug/l #	17
43) Isopropyl Acetate	8.12	43	4973	1.795	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	48385	50.090	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	48385	79.628	ug/l #	14
94) Hexachlorobutadiene	15.11	225	45	Below Cal	#	44

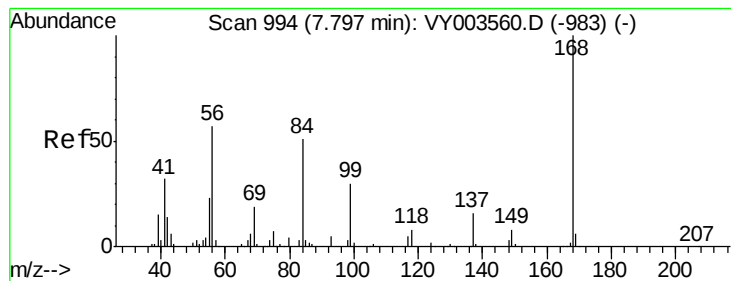
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

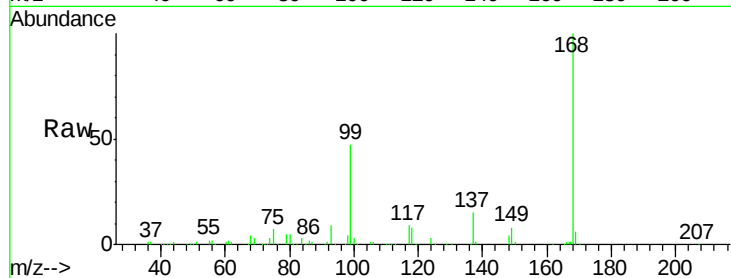
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 121260

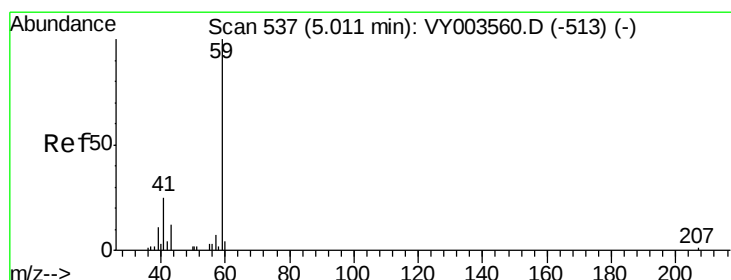
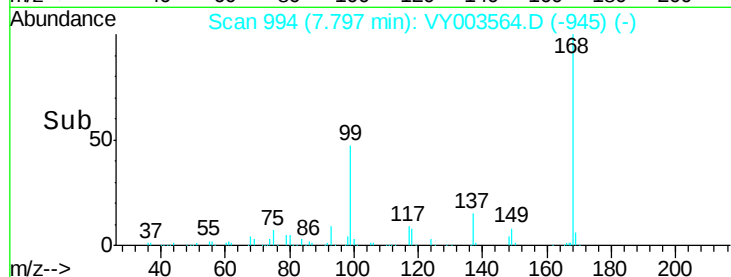
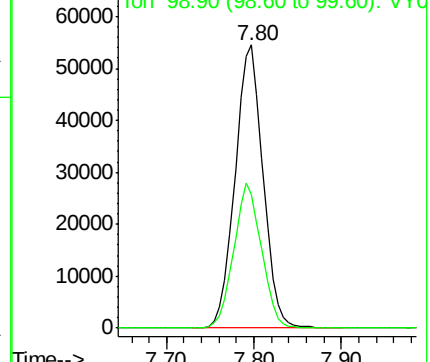
Ion Ratio Lower Upper

168 100

99 47.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VY003560.D (-983) (-)



#11

Tert butyl alcohol

Concen: 4.245 ug/l

RT: 5.01 min Scan# 537

Delta R.T. 0.00 min

Lab File: VY003564.D

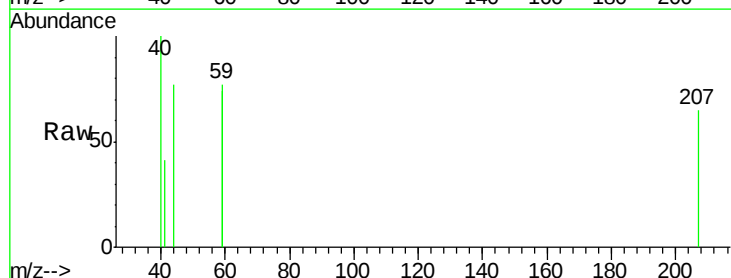
Acq: 20 Nov 2020 13:57

Tgt Ion: 59 Resp: 404

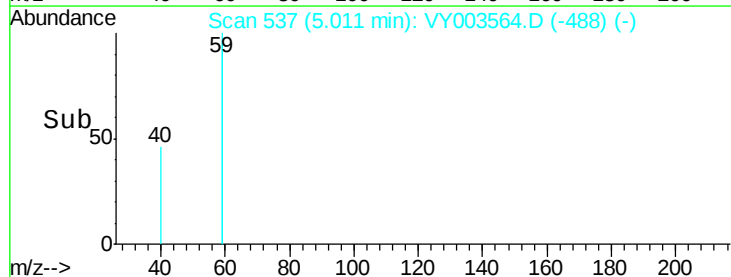
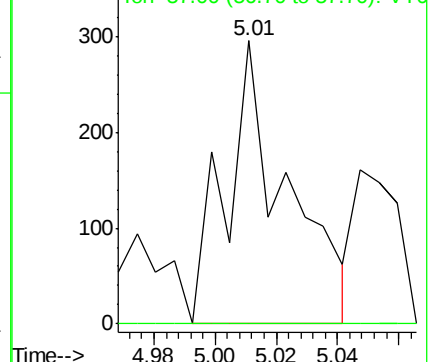
Ion Ratio Lower Upper

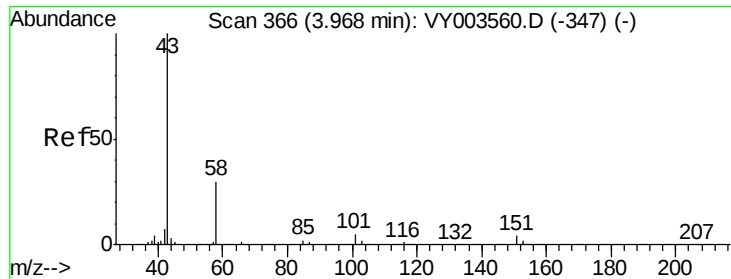
59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VY003560.D (-513) (-)





#16

Acetone

Concen: 4.134 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

Instrument :

MSVOA_Y

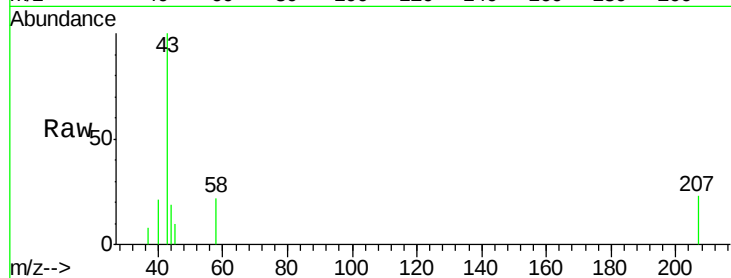
ClientSampleId :

Tot Ion: 43 Resp: 1738

Ion Ratio Lower Upper

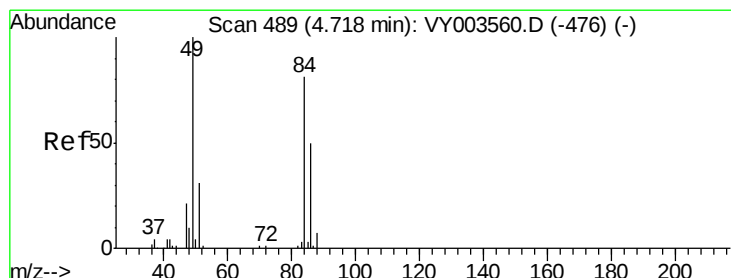
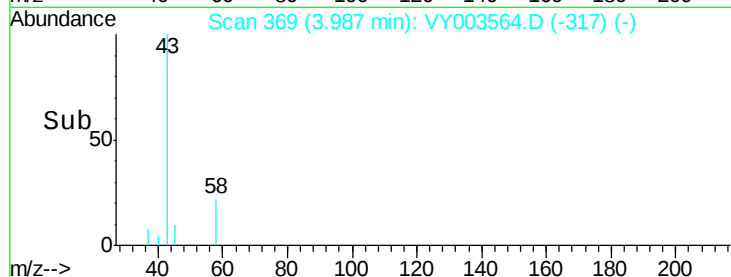
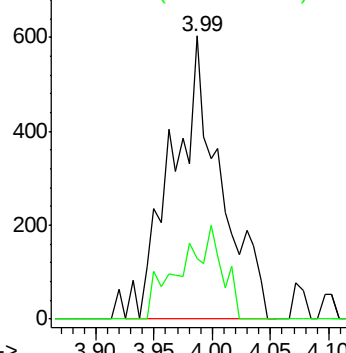
43 100

58 21.6 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 5.962 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

Tgt Ion: 84 Resp: 14895

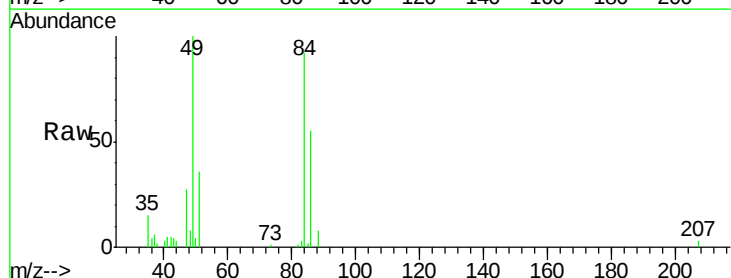
Ion Ratio Lower Upper

84 100

49 108.5 99.0 148.6

51 38.6 30.5 45.7

86 59.7 49.9 74.9

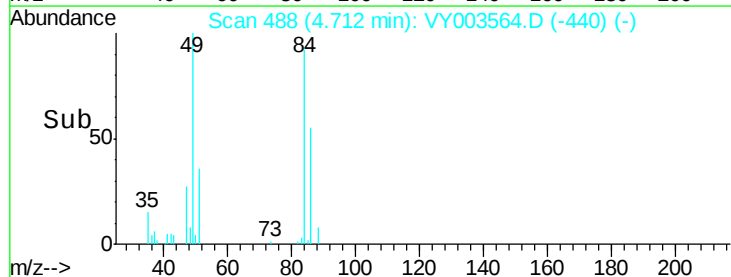
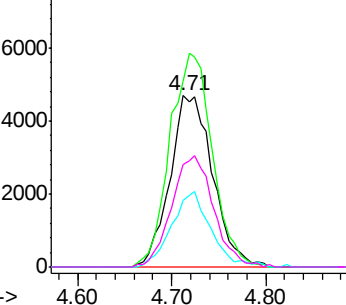


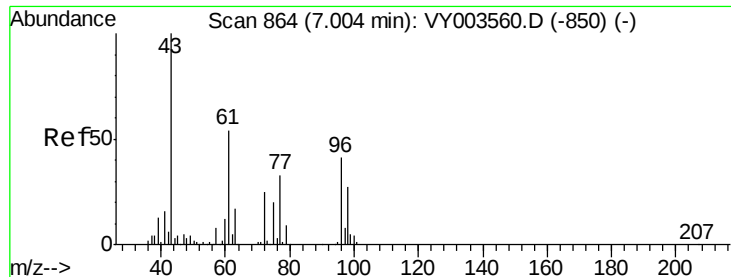
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 3.837 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

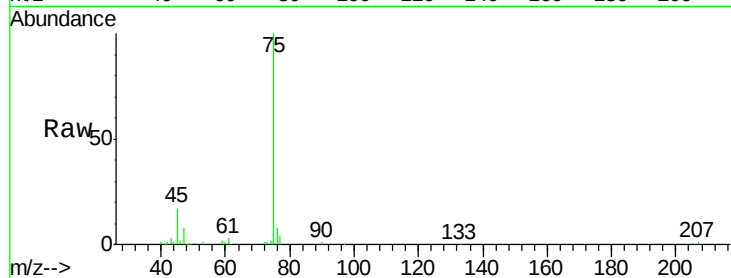
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2093

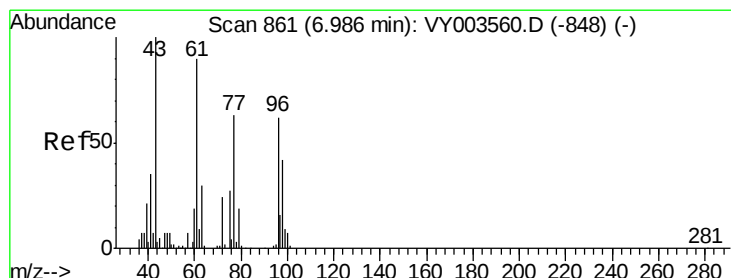
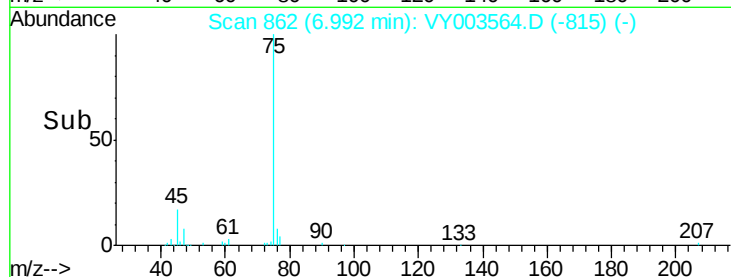
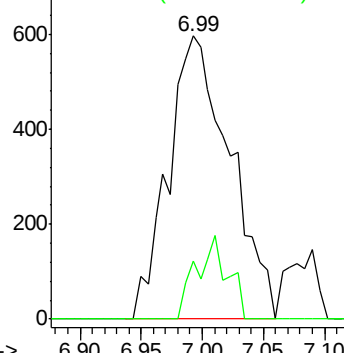
Ion Ratio Lower Upper

43 100

72 20.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.517 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003564.D

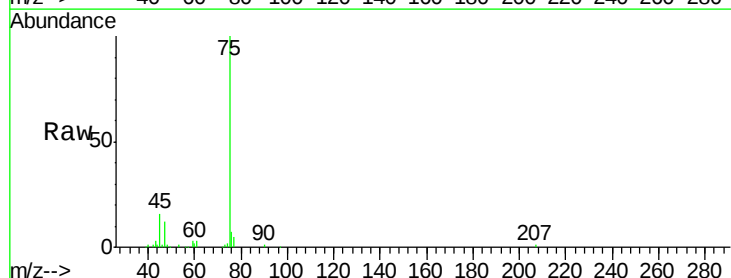
Acq: 20 Nov 2020 13:57

Tgt Ion: 77 Resp: 2265

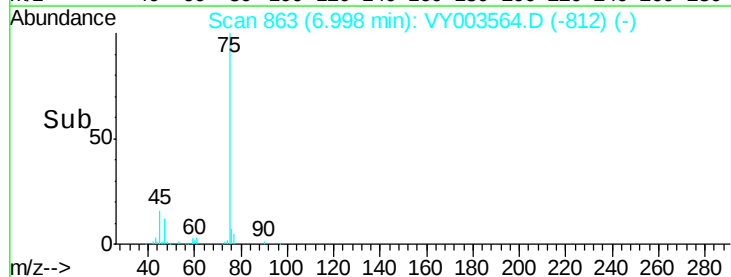
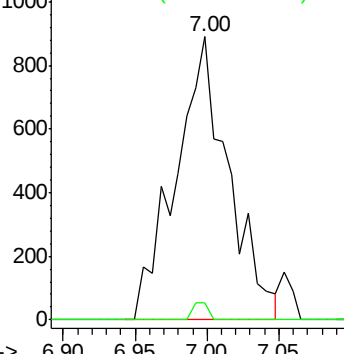
Ion Ratio Lower Upper

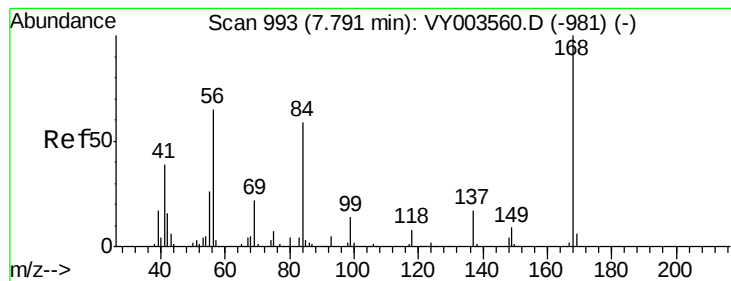
77 100

97 1.8 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VY0
Ion 96.90 (96.60 to 97.60): VY0





#31

Cyclohexane

Concen: 1.458 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

Instrument :
MSVOA_Y
ClientSampled :

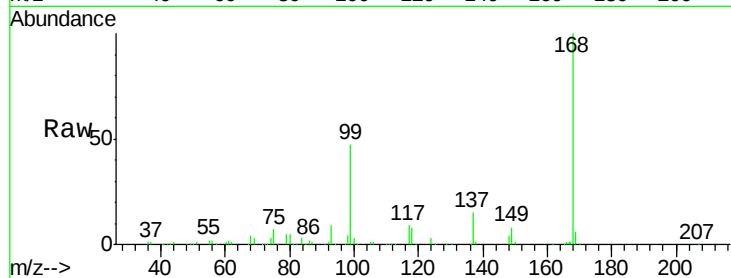
Tot Ion: 56 Resp: 2654

Ion Ratio Lower Upper

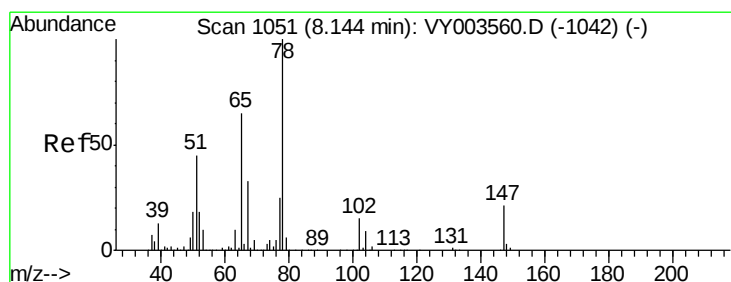
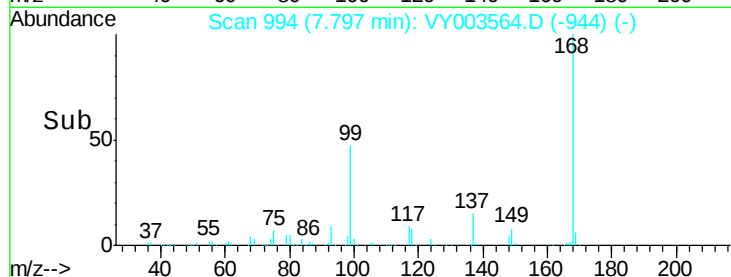
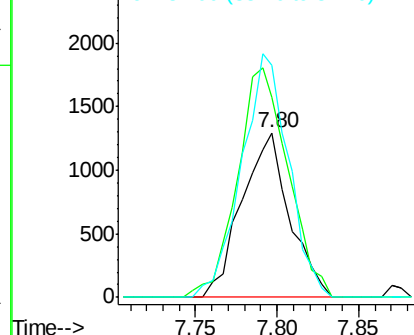
56 100

69 121.2 27.0 40.6#

84 140.6 71.8 107.6#



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: 66.436 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003564.D

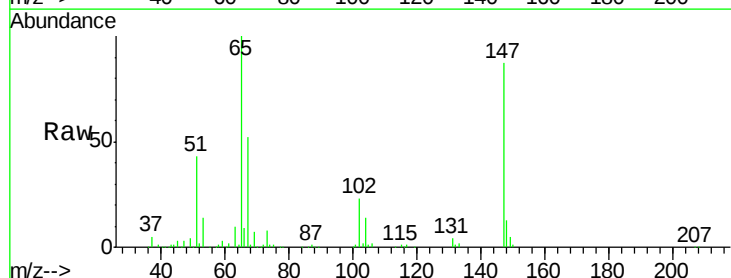
Acq: 20 Nov 2020 13:57

Tgt Ion: 65 Resp: 83648

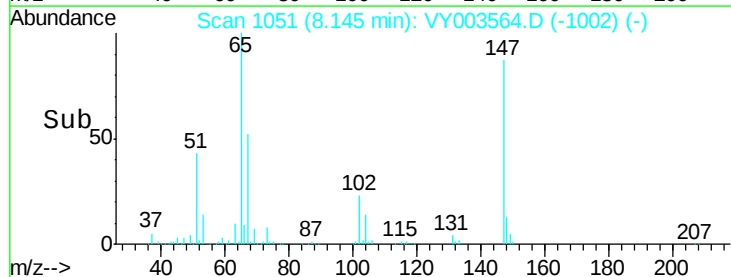
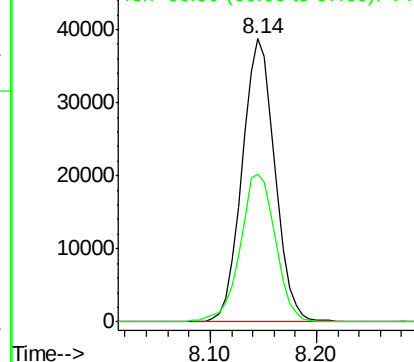
Ion Ratio Lower Upper

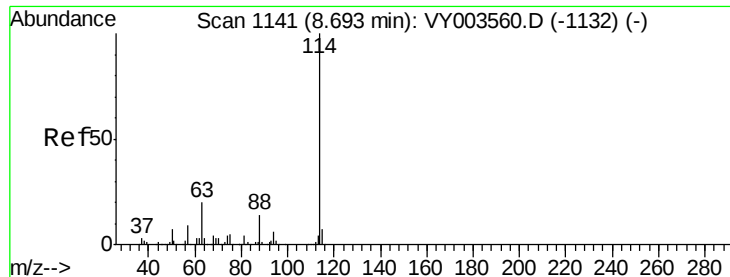
65 100

67 56.2 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

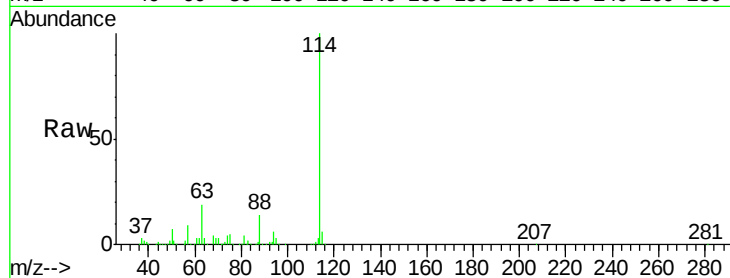




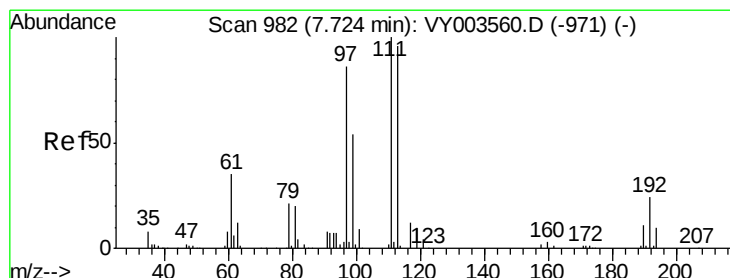
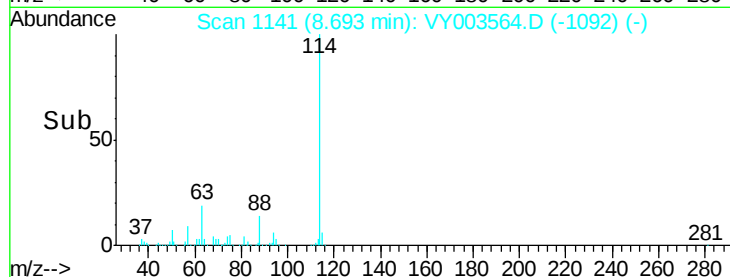
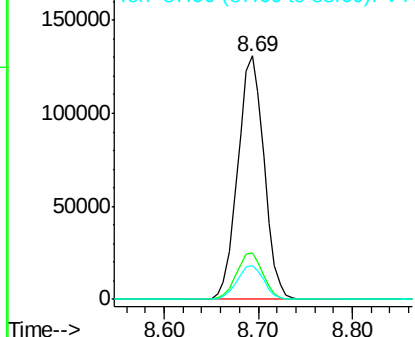
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VY003564.D
Acq: 20 Nov 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 254347
Ion Ratio Lower Upper
114 100
63 19.0 0.0 39.8
88 13.8 0.0 29.0

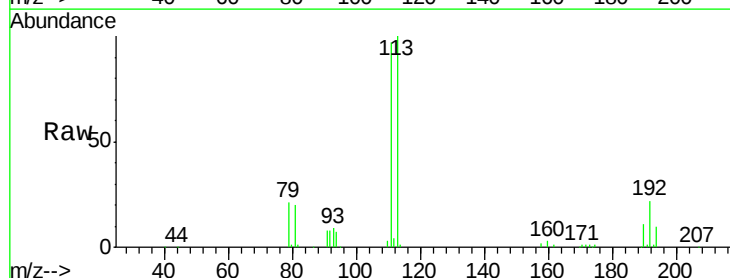


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

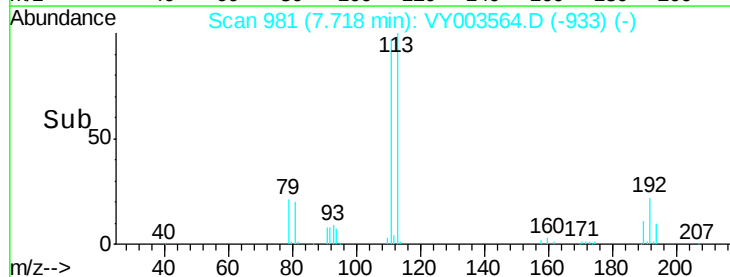
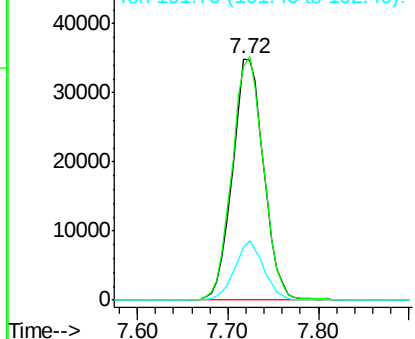


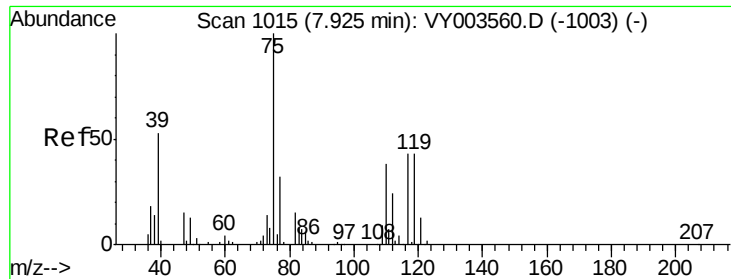
#35
Dibromofluoromethane
Concen: 49.783 ug/l
RT: 7.72 min Scan# 981
Delta R.T. -0.01 min
Lab File: VY003564.D
Acq: 20 Nov 2020 13:57

Tgt Ion:113 Resp: 83232
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.0
192 22.8 18.1 27.1



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

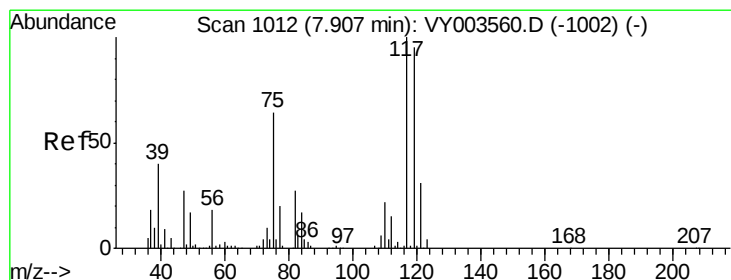
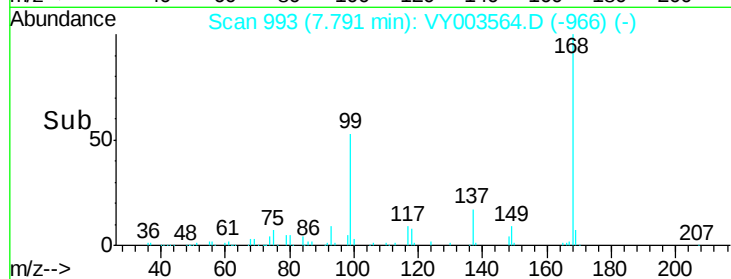
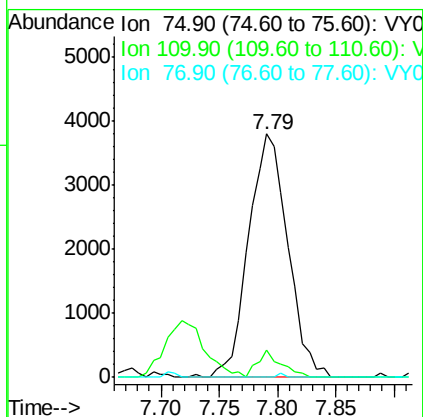
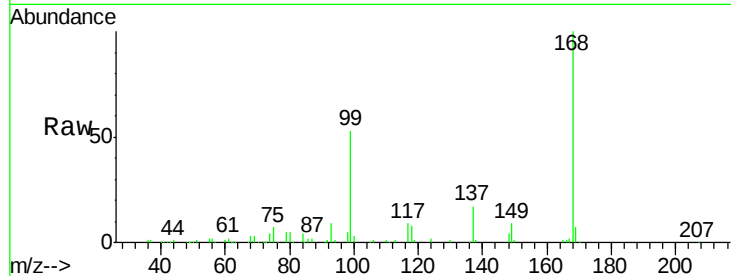




#36
 1,1-Dichloropropene
 Concen: 3.566 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003564.D
 Acq: 20 Nov 2020 13:57

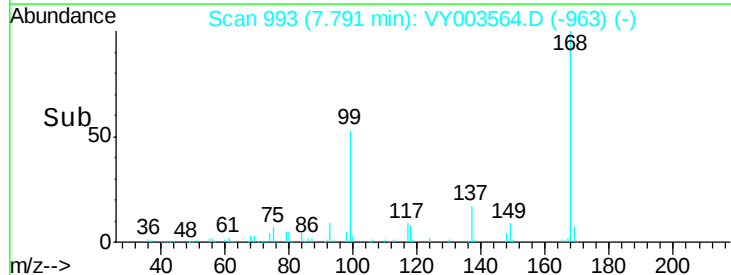
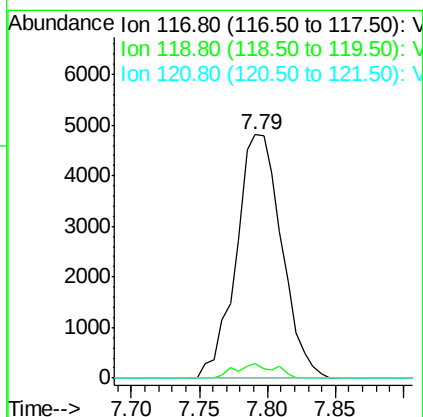
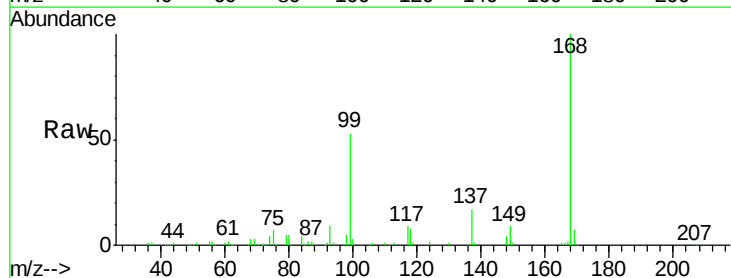
Instrument :
 MSVOA_Y
 ClientSampleId :

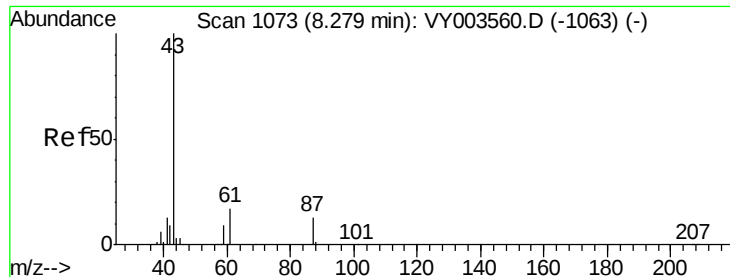
Tot Ion	75	Resp	8929
Ion Ratio	100	Lower	Upper
75	100		
110	6.6	18.7	56.1#
77	0.3	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 4.836 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003564.D
 Acq: 20 Nov 2020 13:57

Tgt Ion	117	Resp	11217
Ion Ratio	100	Lower	Upper
117	100		
119	6.2	76.3	114.5#
121	0.0	25.1	37.7#





#43

Isopropyl Acetate

Concen: 1.795 ug/l

RT: 8.12 min Scan# 1047

Delta R.T. -0.16 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

Instrument :

MSVOA_Y

ClientSampled :

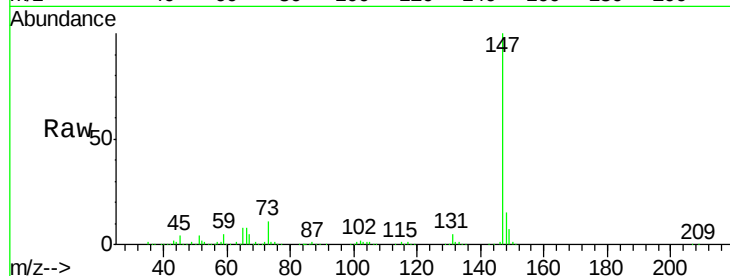
Tot Ion: 43 Resp: 4973

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

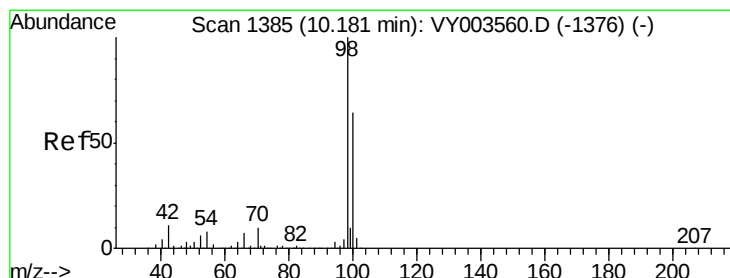
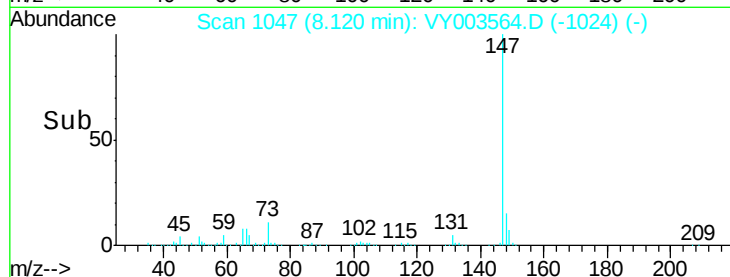
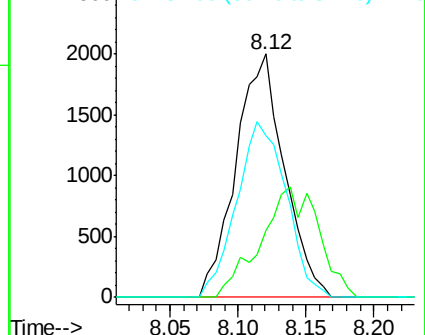
87 74.2 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#50

Toluene-d8

Concen: 46.072 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003564.D

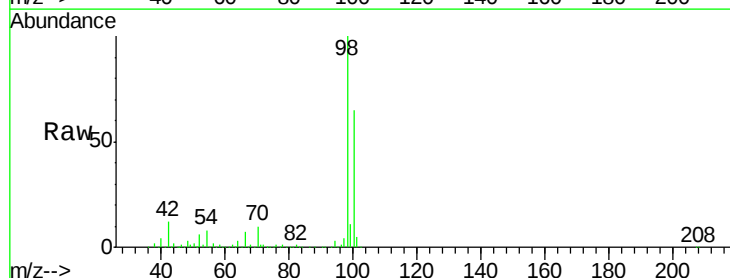
Acq: 20 Nov 2020 13:57

Tgt Ion: 98 Resp: 299527

Ion Ratio Lower Upper

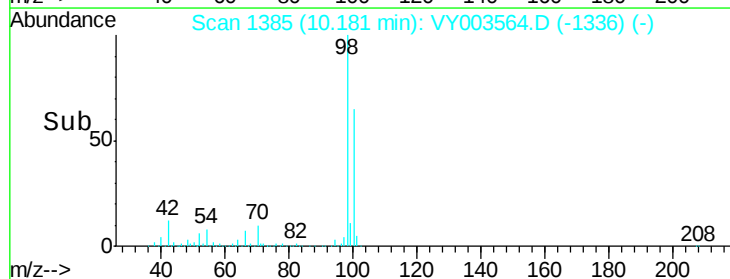
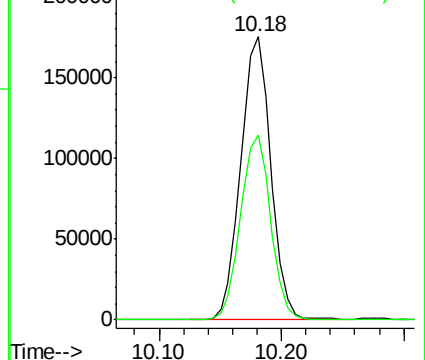
98 100

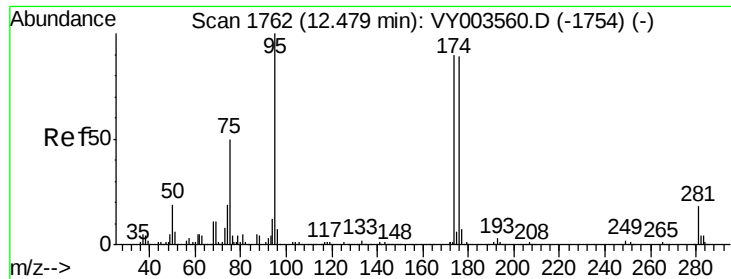
100 65.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 44.782 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

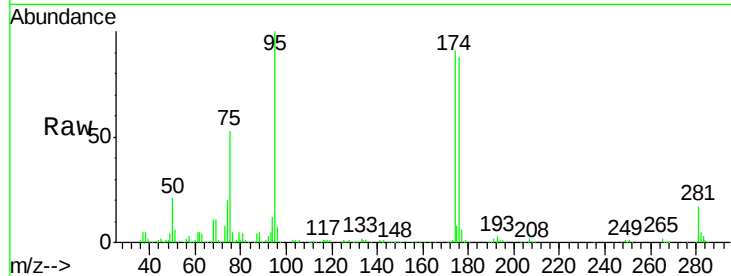
Tot Ion: 95 Resp: 92394

Ion Ratio Lower Upper

95 100

174 94.1 0.0 184.0

176 89.4 0.0 180.4



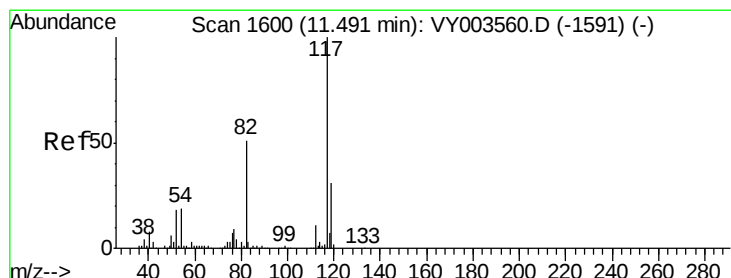
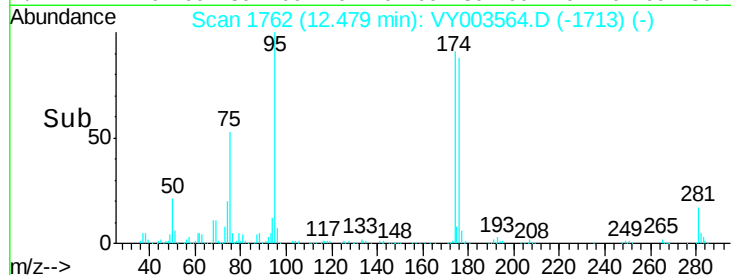
Abundance Ion 94.90 (94.60 to 95.60): VY003564.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003564.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003564.D (-1754) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

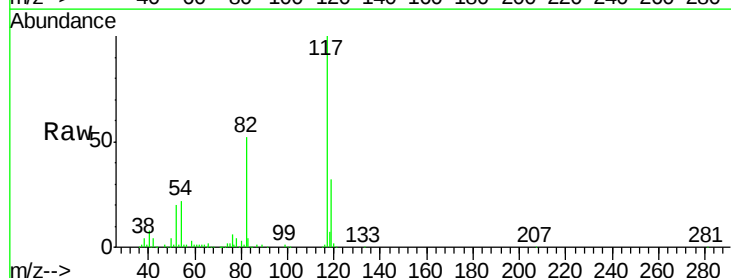
Tgt Ion: 117 Resp: 229789

Ion Ratio Lower Upper

117 100

82 52.3 41.0 61.6

119 32.1 25.0 37.6



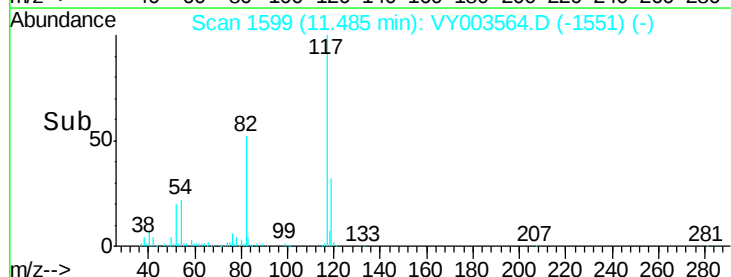
Abundance Ion 116.90 (116.60 to 117.60): VY003564.D (-1551) (-)

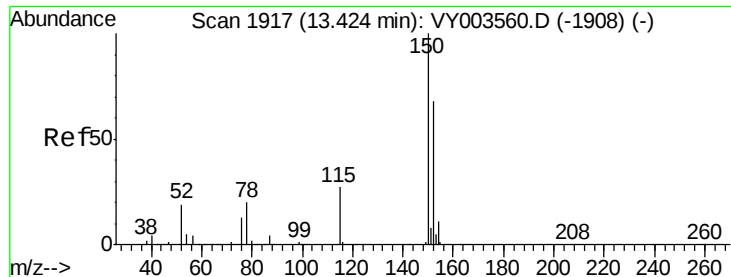
Ion 82.00 (81.70 to 82.70): VY003564.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003564.D (-1551) (-)

11.49

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

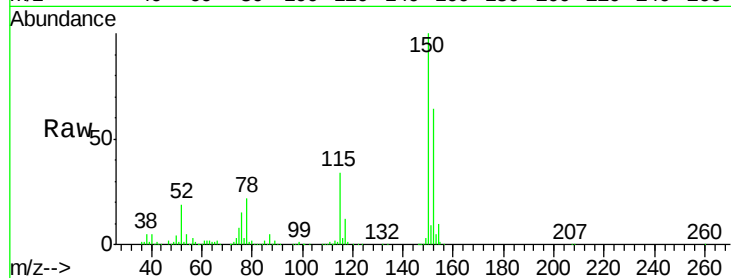
Tot Ion:152 Resp: 99636

Ion Ratio Lower Upper

152 100

115 54.5 27.4 82.0

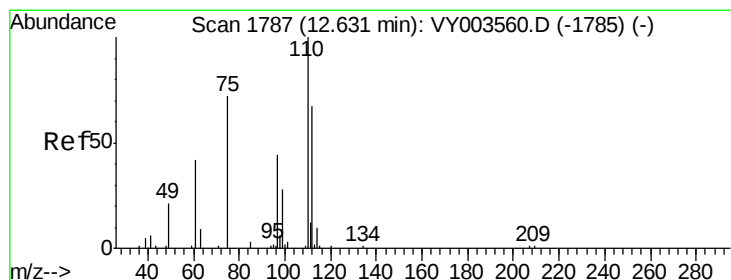
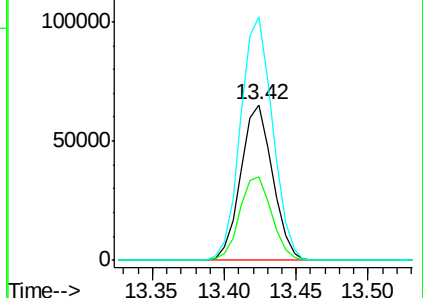
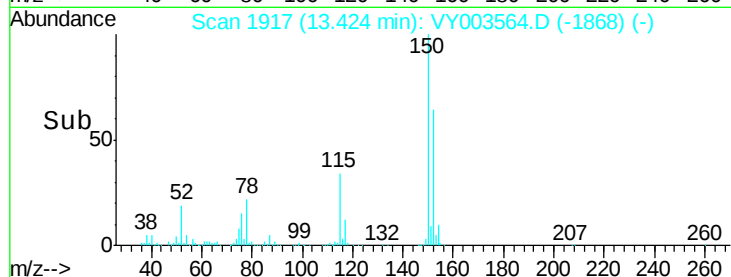
150 157.9 0.0 349.6



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: 50.090 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003564.D

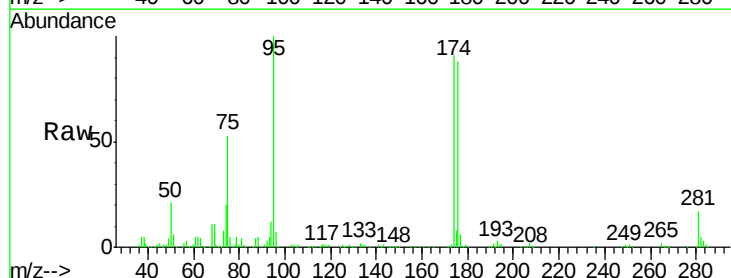
Acq: 20 Nov 2020 13:57

Tgt Ion: 75 Resp: 48385

Ion Ratio Lower Upper

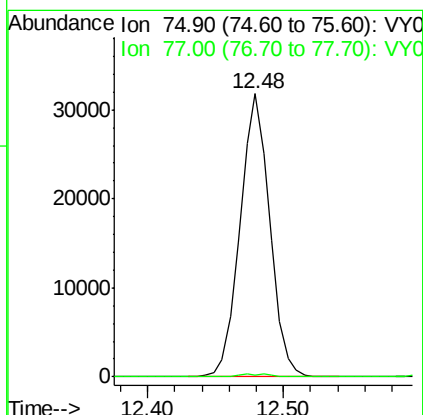
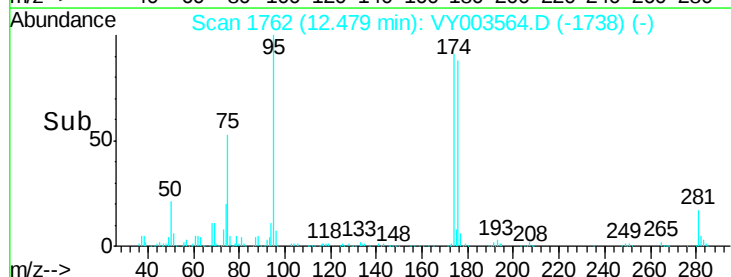
75 100

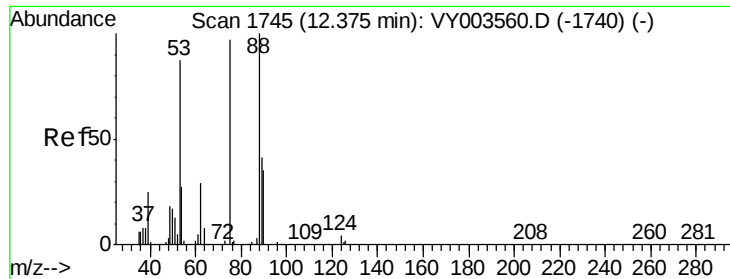
77 1.1 0.0 0.0#



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: 79.628 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003564.D

Acq: 20 Nov 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

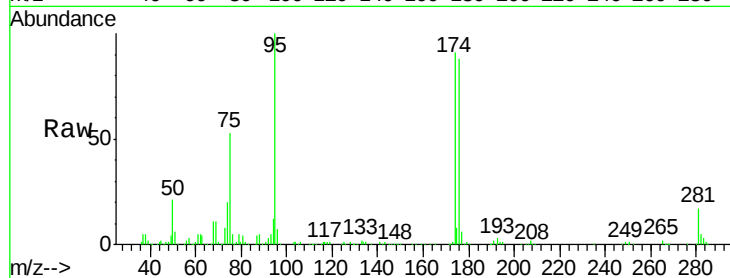
Tot Ion: 75 Resp: 48385

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.4 34.7 52.1#



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

