

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001826.D
 Acq On : 03 Mar 2020 11:51
 Operator : SY/MD
 Sample : VY0303SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBL01

Quant Time: Mar 04 03:38:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

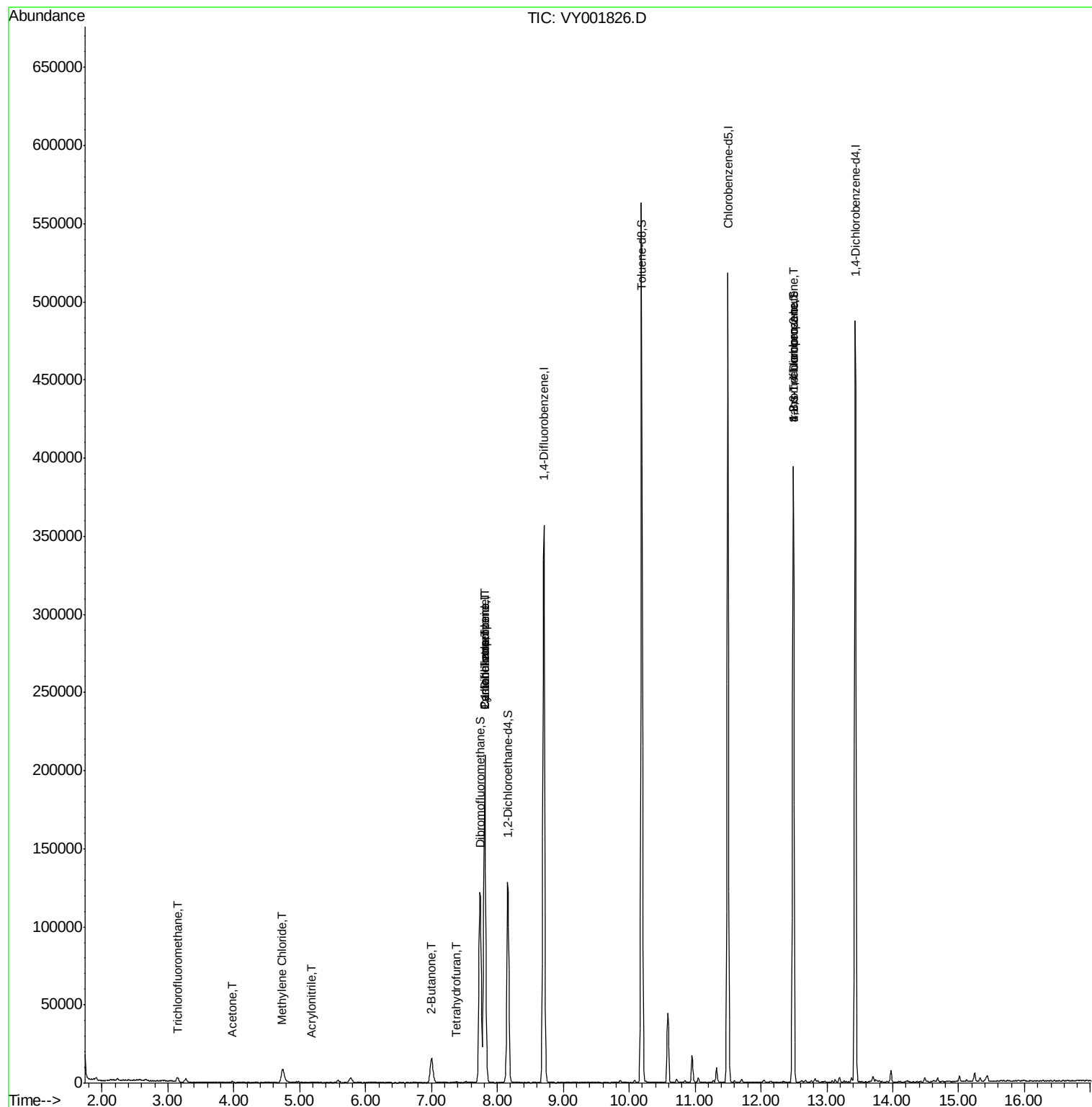
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	157069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	303213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	273476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	115443	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	96670	57.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.44%	
35) Dibromofluoromethane	7.74	113	89815	51.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.44%	
50) Toluene-d8	10.19	98	365178	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.49	95	123142	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.15	101	2863	1.077	ug/l	99
11) Tert butyl alcohol	4.97	59	652	Below Cal	#	74
15) Acrylonitrile	5.18	53	623	1.160	ug/l #	31
16) Acetone	3.97	43	1371	2.345	ug/l #	61
20) Methylene Chloride	4.74	84	6414	3.089	ug/l	96
25) 2-Butanone	7.00	43	938	1.181	ug/l	93
29) Tetrahydrofuran	7.38	42	510	1.063	ug/l #	65
31) Cyclohexane	7.80	56	3605	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13167	4.546	ug/l #	49
38) Carbon Tetrachloride	7.81	117	16460	6.470	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.80	63	229	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	62443	47.152	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62443	89.456	ug/l #	17

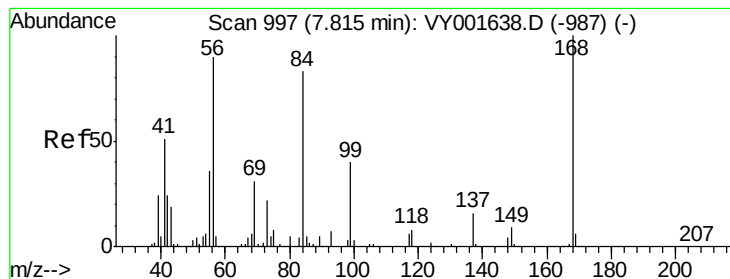
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 17 12:19:53 2020
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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: VY001826.D

Acq: 03 Mar 2020 11:51

Instrument :

MSVOA_Y

ClientSampleId :

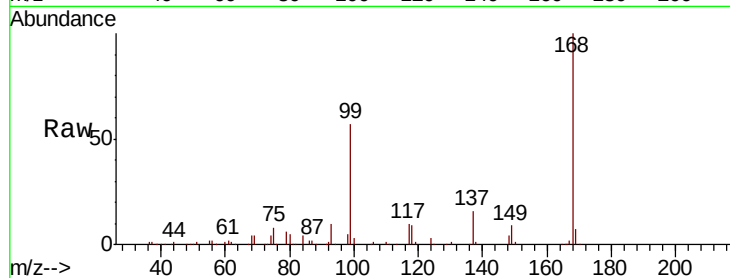
VY0303SBL01

Tot Ion:168 Resp: 157069

Ion Ratio Lower Upper

168 100

99 56.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.81

80000

60000

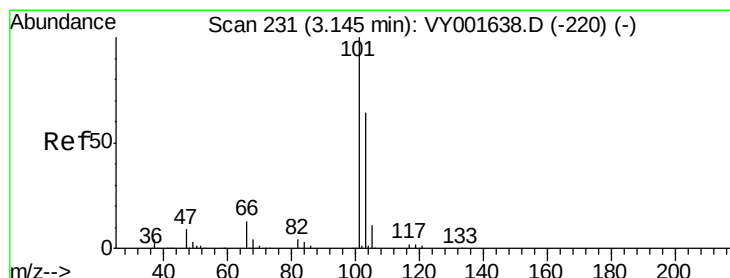
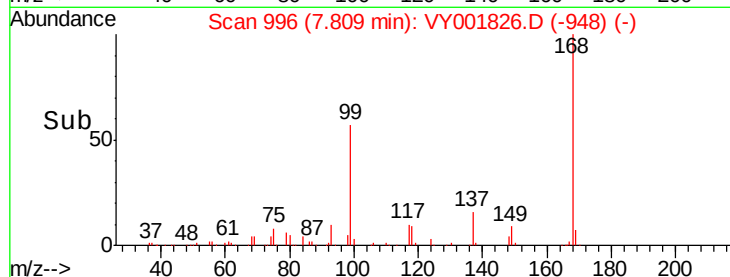
40000

20000

0

Time-->

7.70 7.80 7.90



#7

Trichlorofluoromethane

Concen: 1.077 ug/l

RT: 3.15 min Scan# 231

Delta R.T. 0.00 min

Lab File: VY001826.D

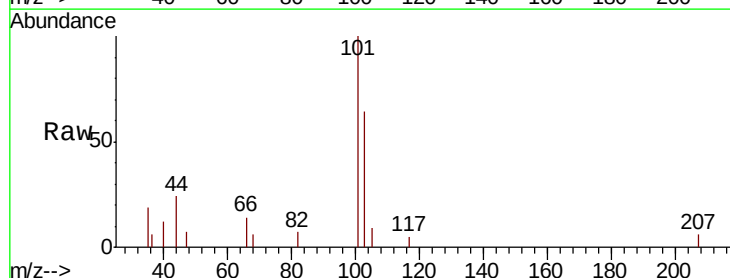
Acq: 03 Mar 2020 11:51

Tgt Ion:101 Resp: 2863

Ion Ratio Lower Upper

101 100

103 64.5 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.15

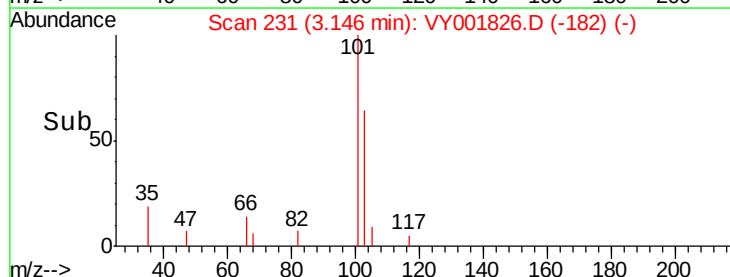
1000

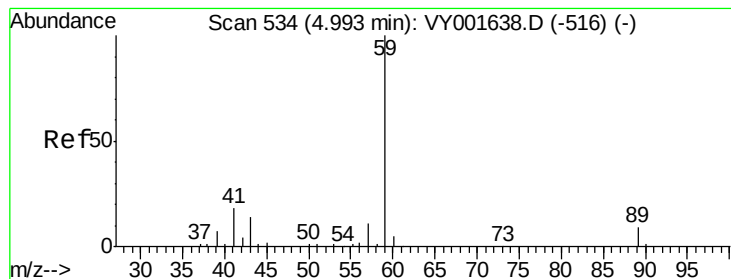
500

0

Time-->

3.05 3.10 3.15 3.20



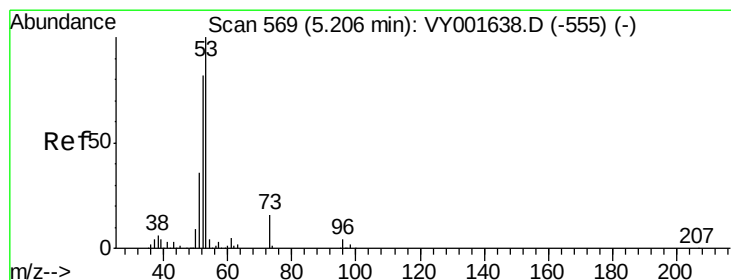
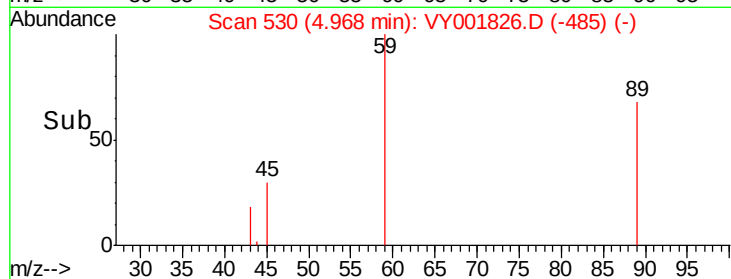
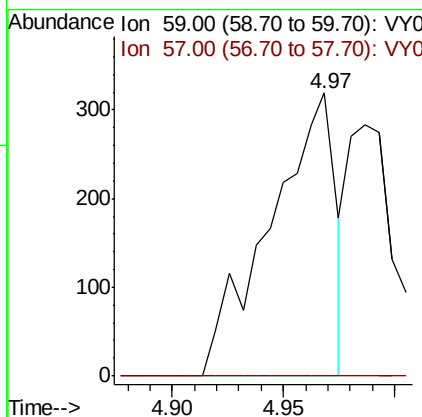
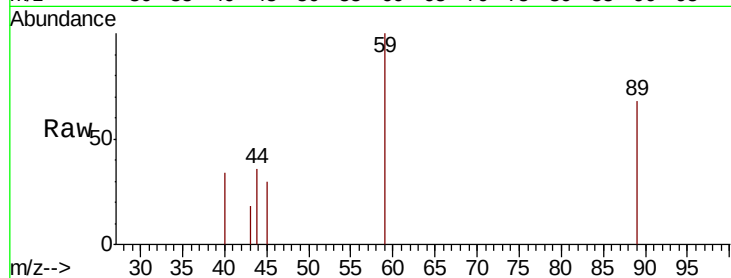


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001826.D
 Acq: 03 Mar 2020 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBL01

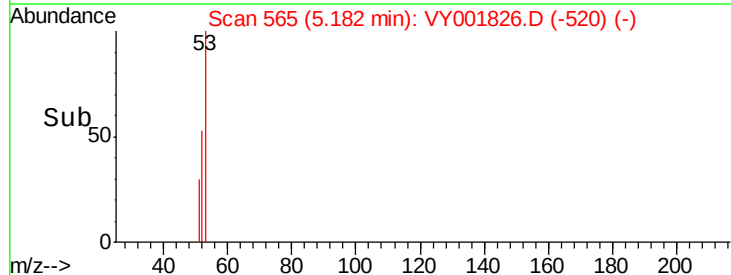
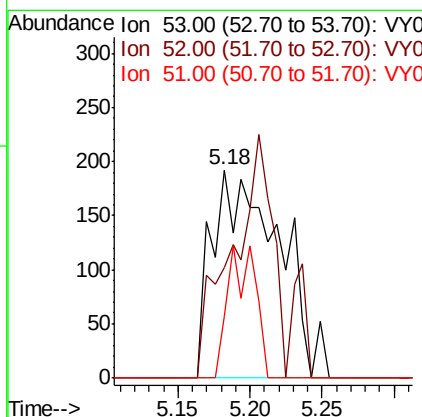
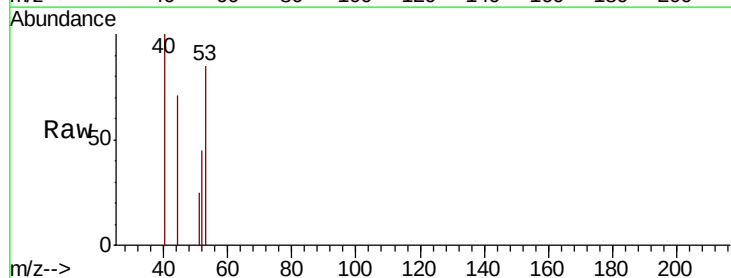
Tot Ion: 59 Resp: 652
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

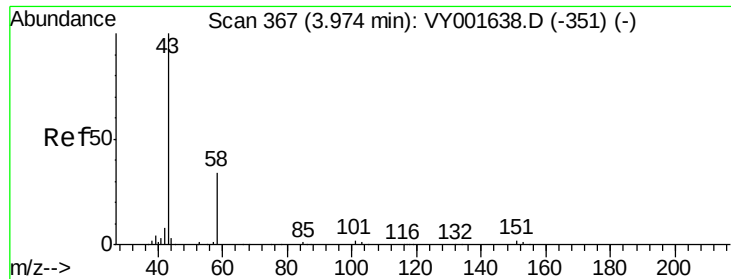


#15

Acrylonitrile
 Concen: 1.160 ug/l
 RT: 5.18 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VY001826.D
 Acq: 03 Mar 2020 11:51

Tgt Ion: 53 Resp: 623
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.4 98.0#
 51 26.2 28.0 42.0#





#16

Acetone

Concen: 2.345 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001826.D

Acq: 03 Mar 2020 11:51

Instrument :

MSVOA_Y

ClientSampleId :

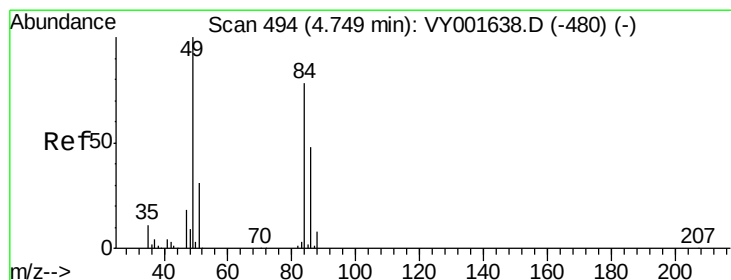
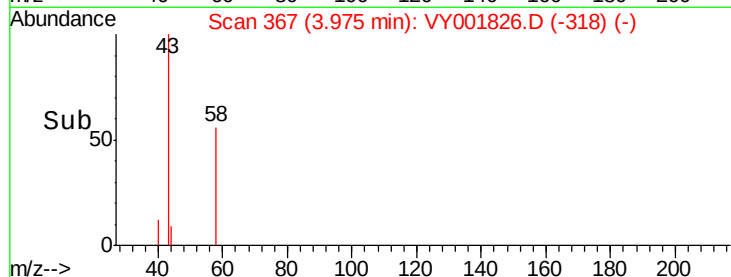
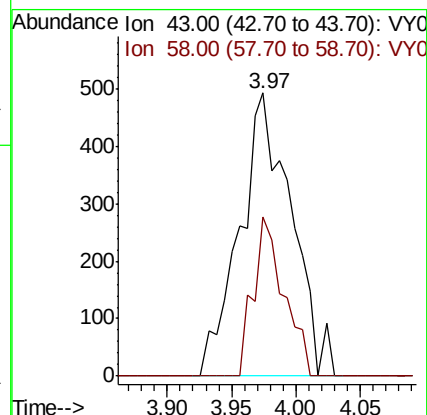
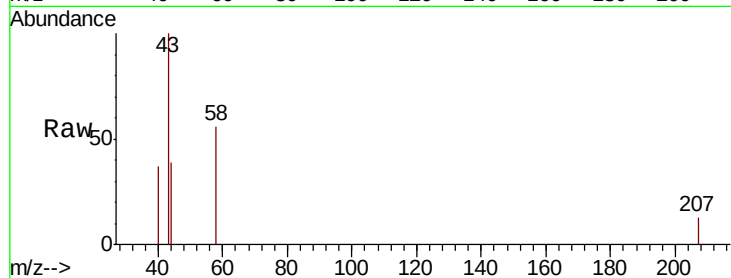
VY0303SBL01

Tot Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

58 56.4 27.3 40.9#



#20

Methylene Chloride

Concen: 3.089 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001826.D

Acq: 03 Mar 2020 11:51

Tgt Ion: 84 Resp: 6414

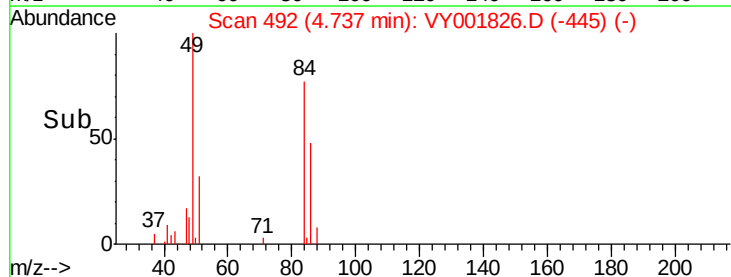
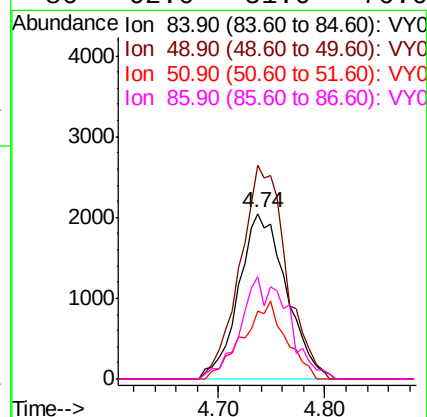
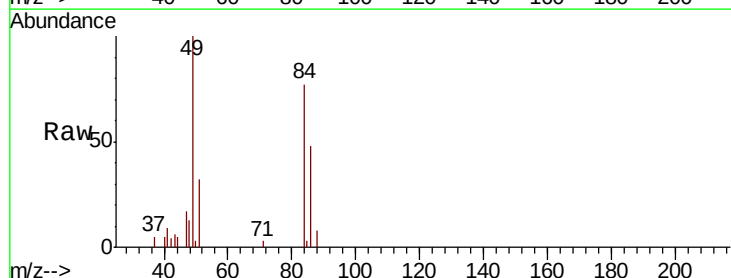
Ion Ratio Lower Upper

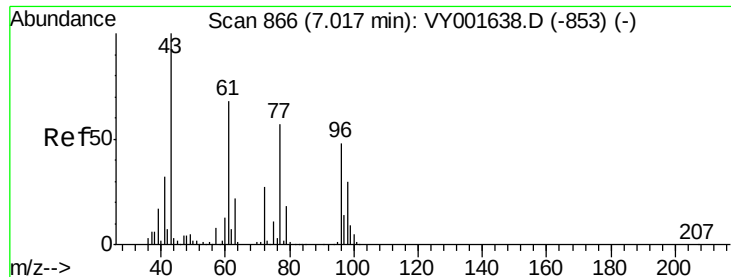
84 100

49 129.2 99.2 148.8

51 41.1 31.5 47.3

86 62.0 51.0 76.6





#25

2-Butanone

Concen: 1.181 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001826.D

Acq: 03 Mar 2020 11:51

Instrument :

MSVOA_Y

ClientSampleId :

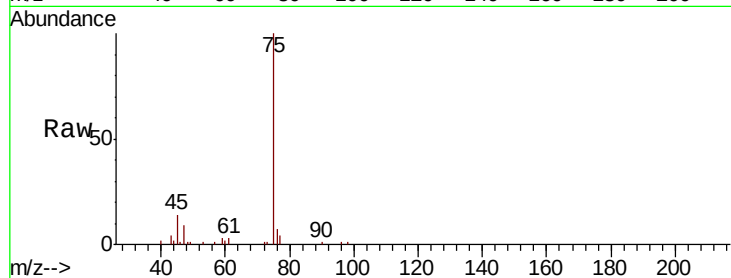
VY0303SBL01

Tot Ion: 43 Resp: 938

Ion Ratio Lower Upper

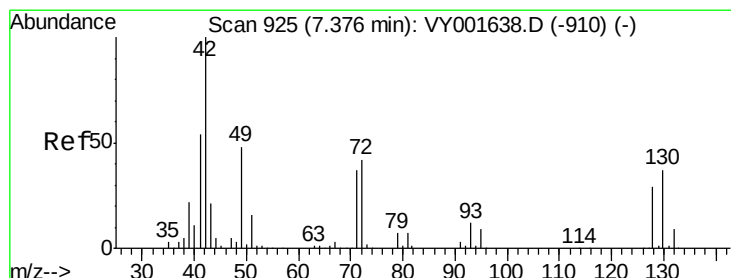
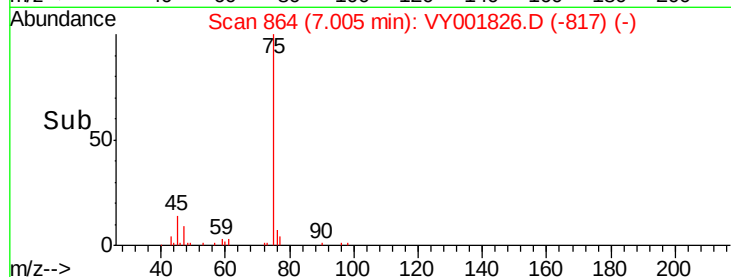
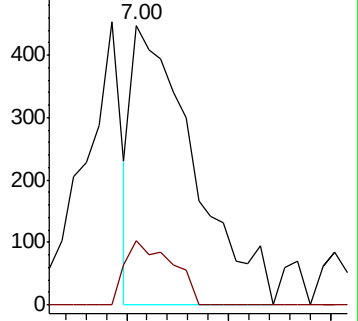
43 100

72 23.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.063 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.00 min

Lab File: VY001826.D

Acq: 03 Mar 2020 11:51

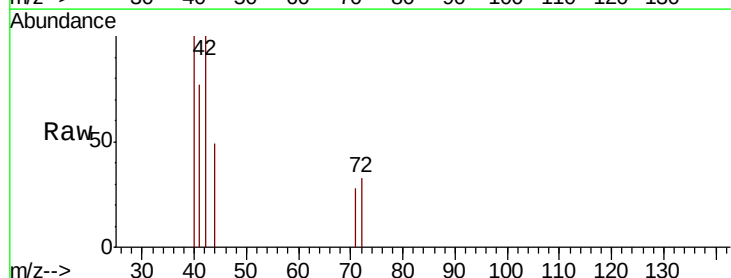
Tgt Ion: 42 Resp: 510

Ion Ratio Lower Upper

42 100

72 24.1 34.4 51.6#

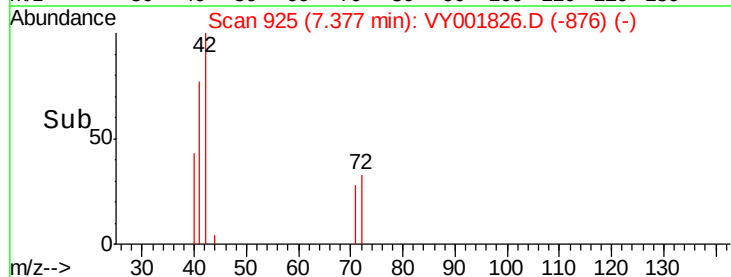
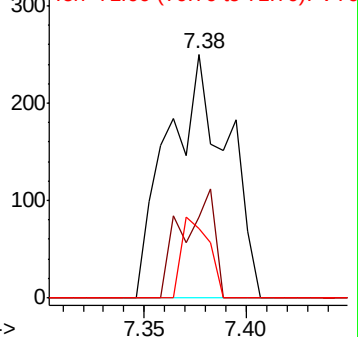
71 15.1 31.8 47.8#

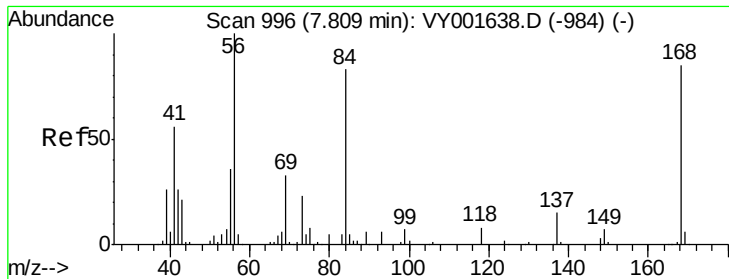


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

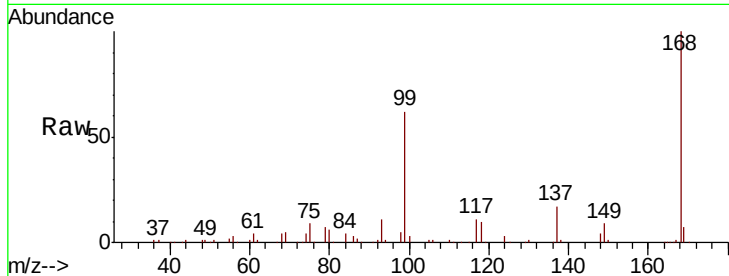




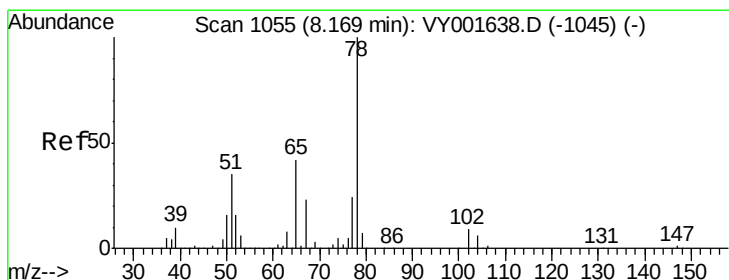
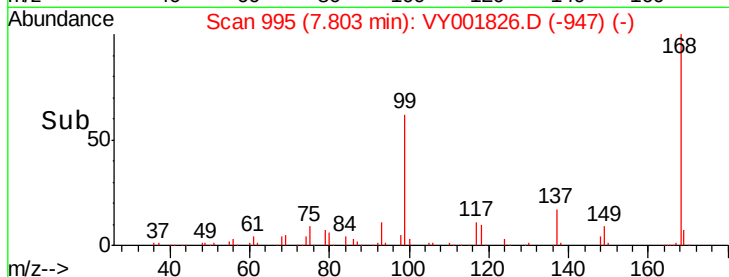
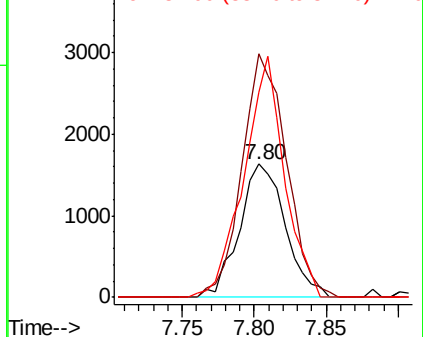
#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001826.D
Acq: 03 Mar 2020 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBL01

Tot Ion: 56 Resp: 3605
Ion Ratio Lower Upper
56 100
69 183.0 25.1 37.7#
84 154.3 66.9 100.3#

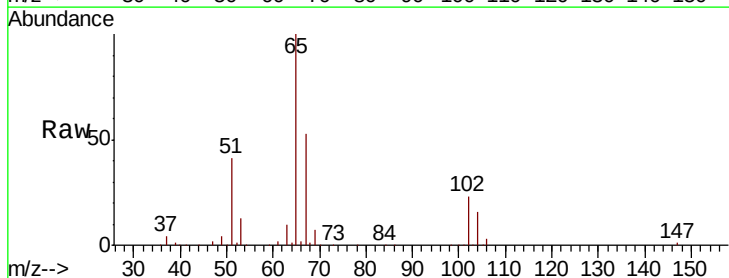


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

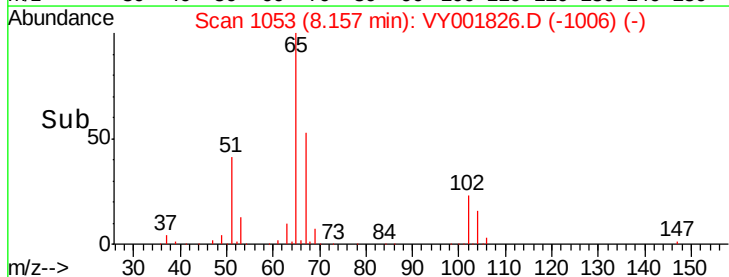
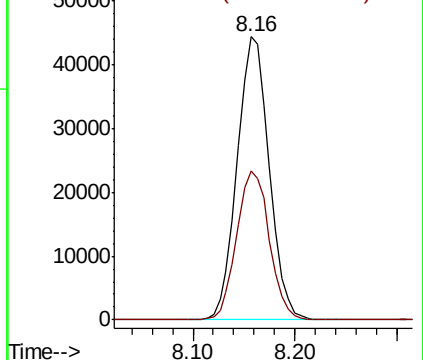


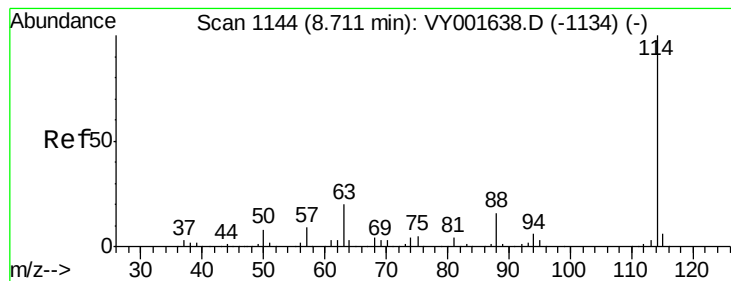
#33
1,2-Dichloroethane-d4
Concen: 57.218 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY001826.D
Acq: 03 Mar 2020 11:51

Tgt Ion: 65 Resp: 96670
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.0



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: VY001826.D

Acq: 03 Mar 2020 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBL01

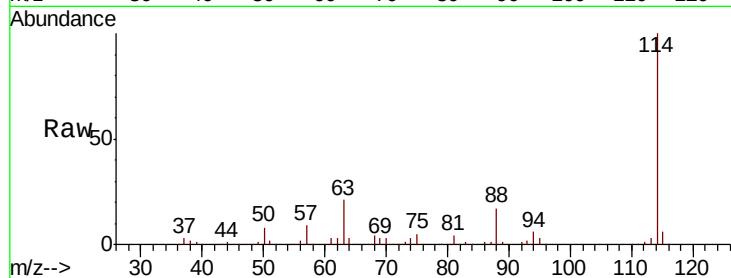
Tot Ion:114 Resp: 303213

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

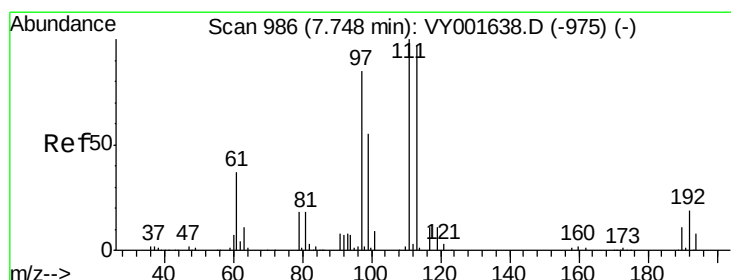
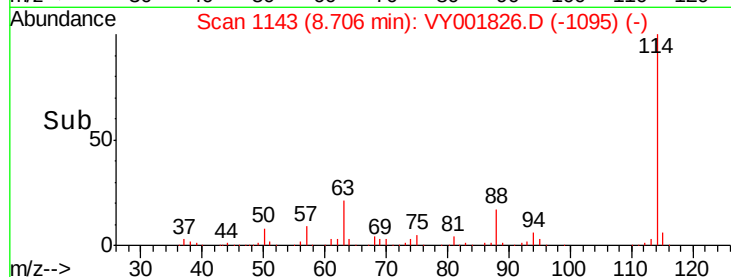
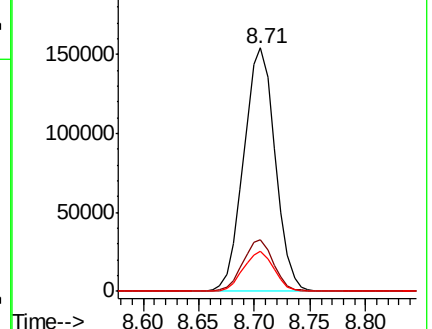
88 16.6 0.0 32.8



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: 51.717 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001826.D

Acq: 03 Mar 2020 11:51

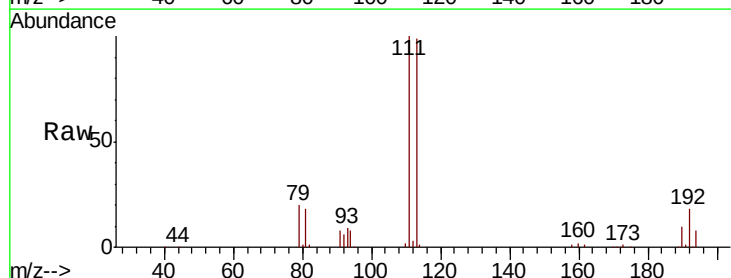
Tgt Ion:113 Resp: 89815

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

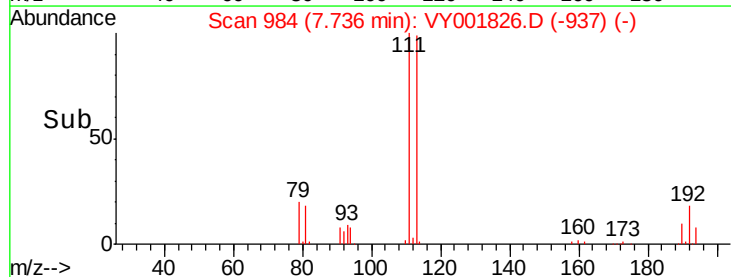
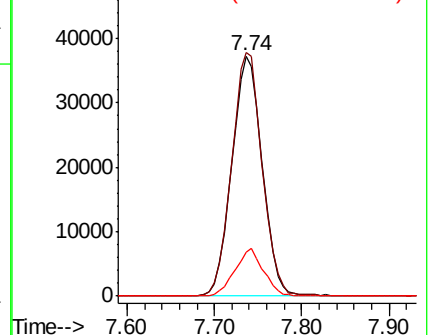
192 18.4 14.3 21.5

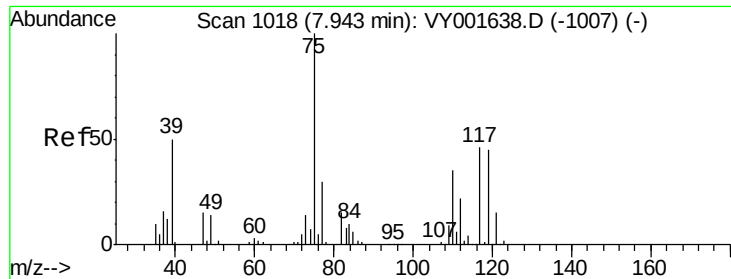


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

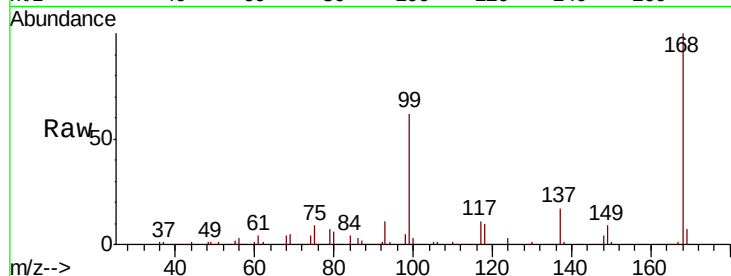




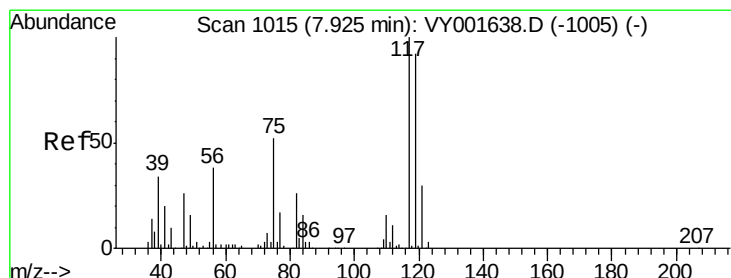
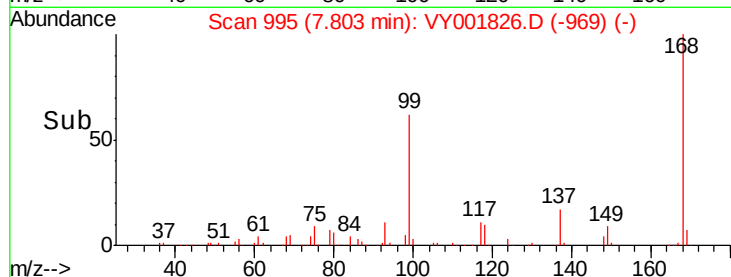
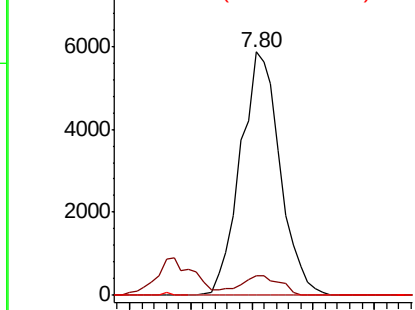
#36
 1,1-Dichloropropene
 Concen: 4.546 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001826.D
 Acq: 03 Mar 2020 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.2	51.6#
77	0.0	24.8	37.2#

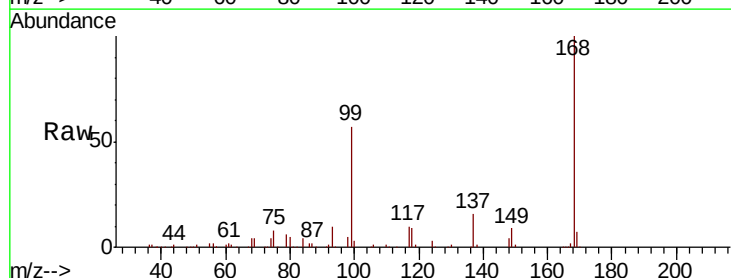


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

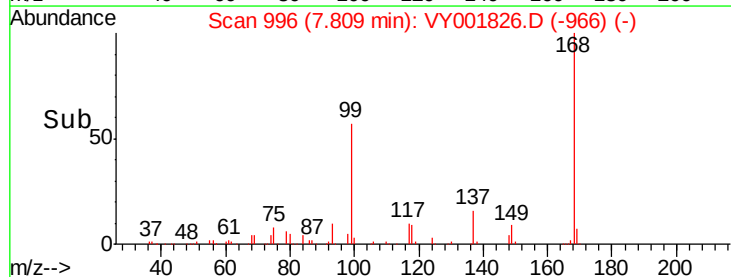
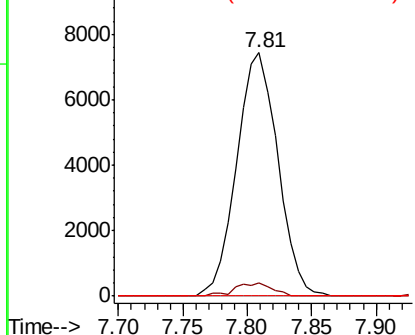


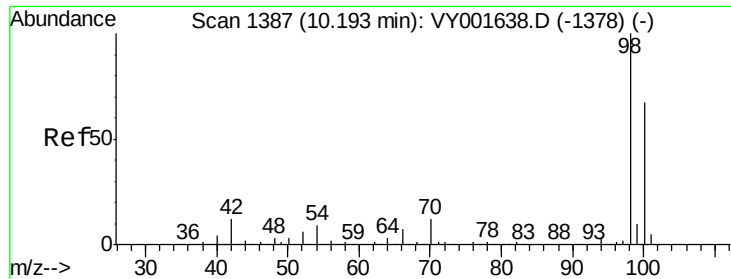
#38
 Carbon Tetrachloride
 Concen: 6.470 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001826.D
 Acq: 03 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0

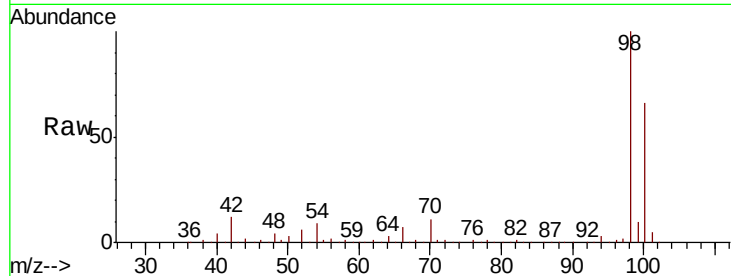




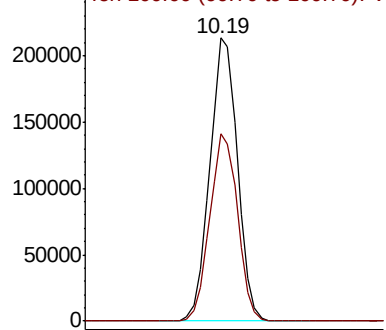
#50
Toluene-d8
Concen: 53.673 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001826.D
Acq: 03 Mar 2020 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBL01

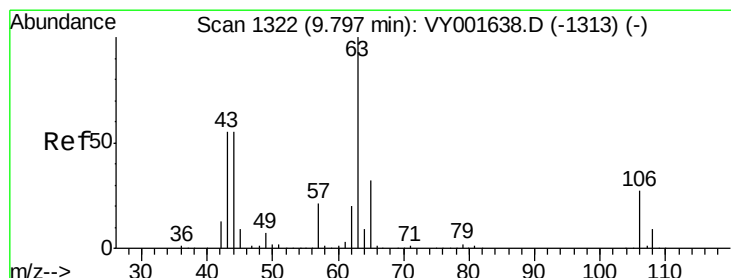
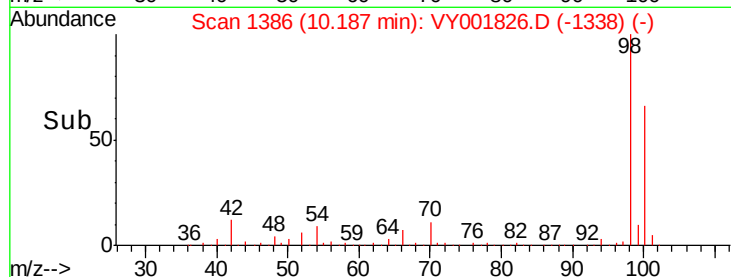
Tot Ion: 98 Resp: 365178
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

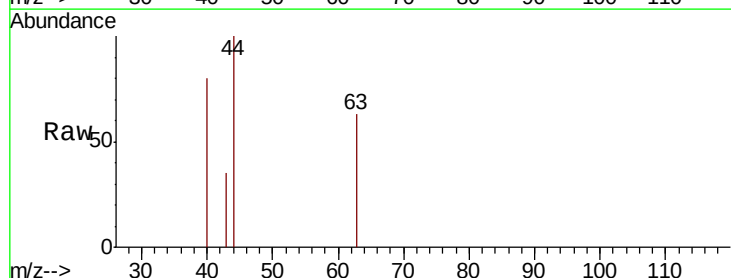


Time-->

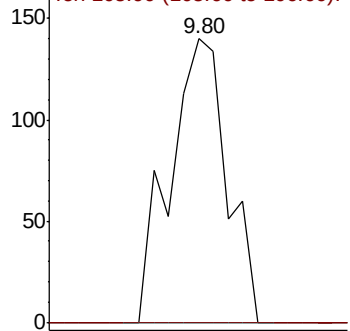


#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.80 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VY001826.D
Acq: 03 Mar 2020 11:51

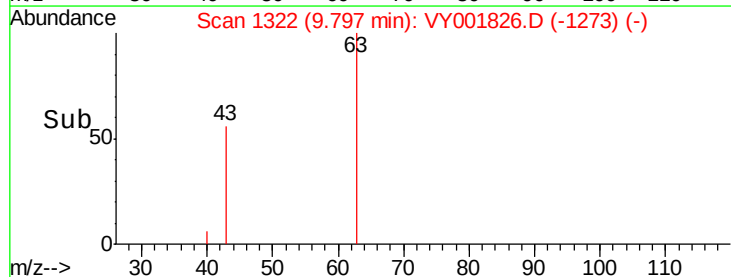
Tgt Ion: 63 Resp: 229
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

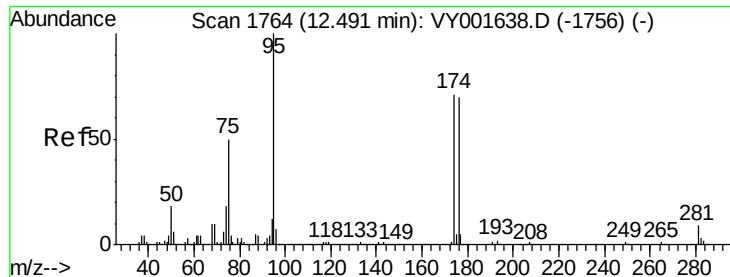


Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 105.90 (105.60 to 106.60): V



Time-->

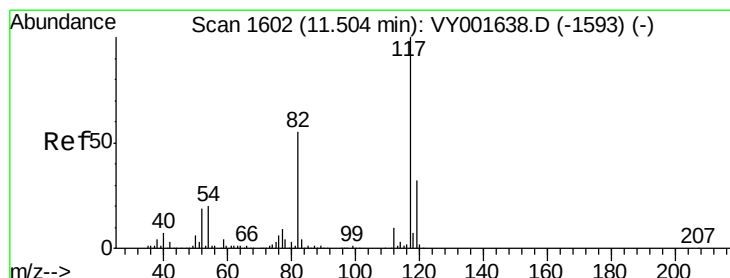
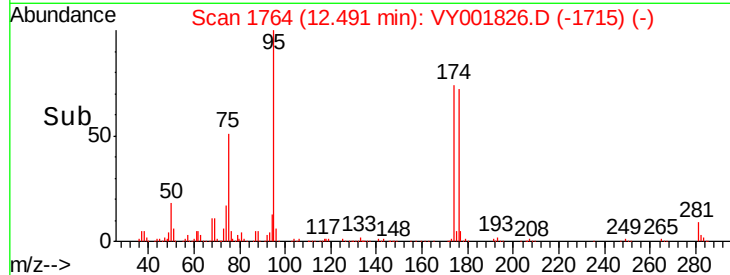
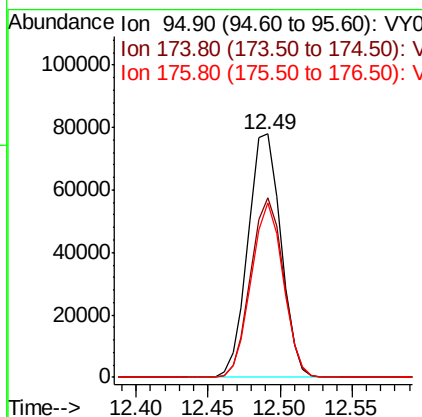
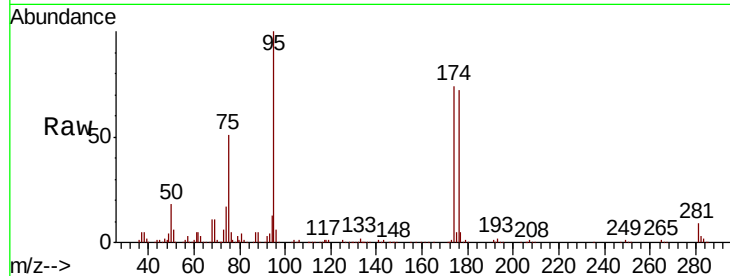




#62
4-Bromofluorobenzene
Concen: 46.588 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001826.D
Acq: 03 Mar 2020 11:51

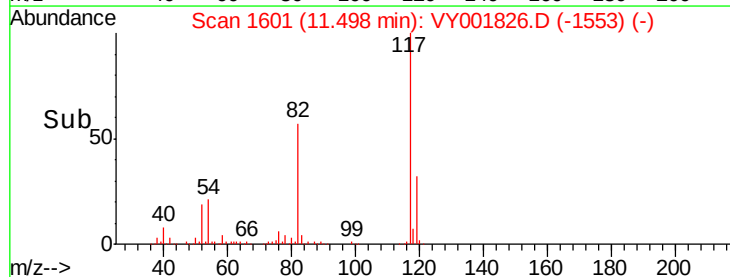
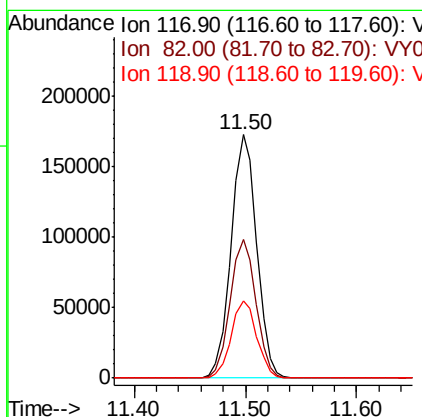
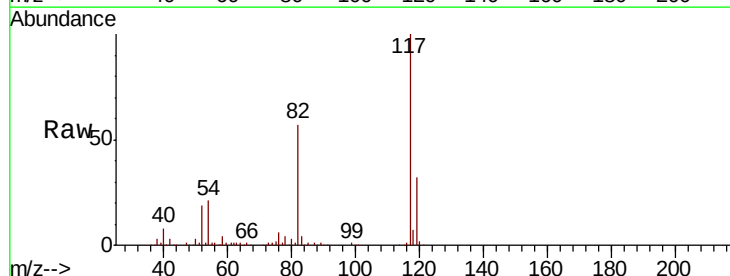
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBL01

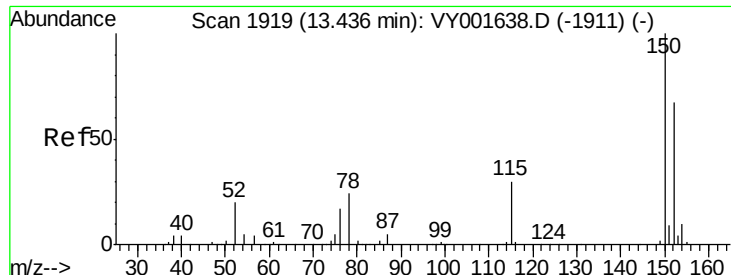
Tot Ion	95	Resp	123142
Ion Ratio	100		
Lower			
Upper			
174	73.2	0.0	138.4
176	70.0	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001826.D
Acq: 03 Mar 2020 11:51

Tgt Ion	117	Resp	273476
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	56.9	45.5	68.3
119	31.7	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001826.D

Acq: 03 Mar 2020 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBL01

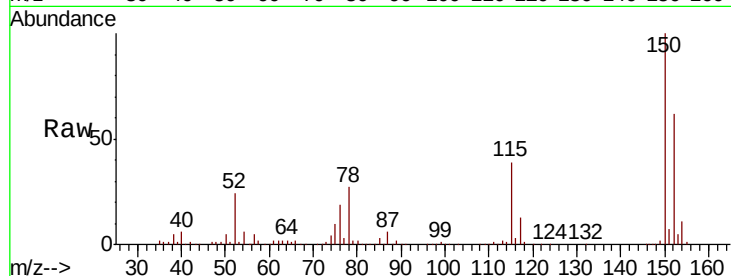
Tot Ion:152 Resp: 115443

Ion Ratio Lower Upper

152 100

115 61.7 31.4 94.2

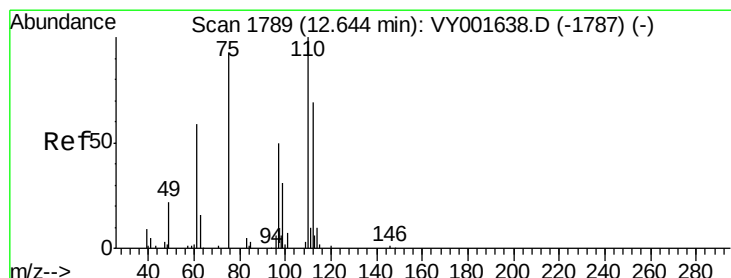
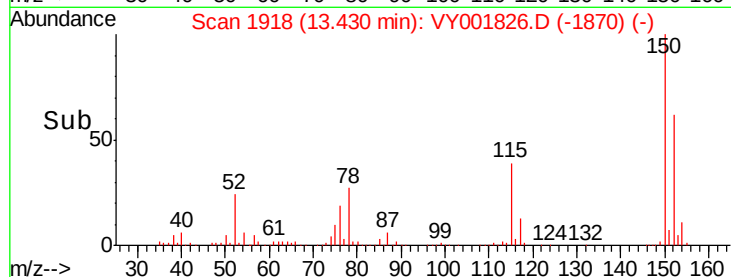
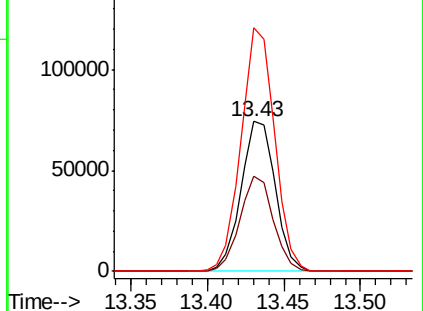
150 159.3 0.0 407.2



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: 47.152 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001826.D

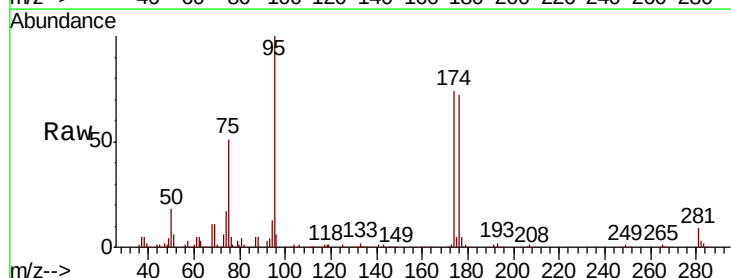
Acq: 03 Mar 2020 11:51

Tgt Ion: 75 Resp: 62443

Ion Ratio Lower Upper

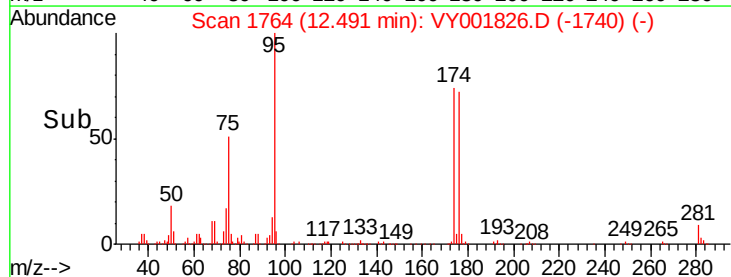
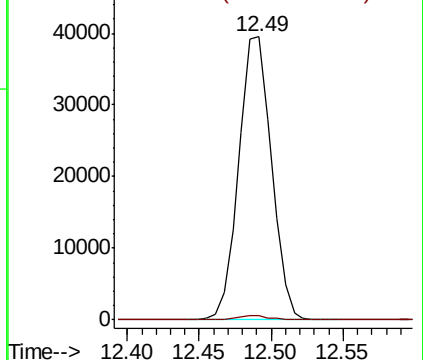
75 100

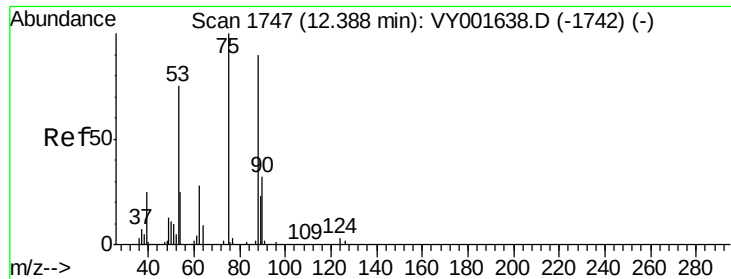
77 1.4 0.0 0.0#



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: 89.456 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001826.D

Acq: 03 Mar 2020 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBL01

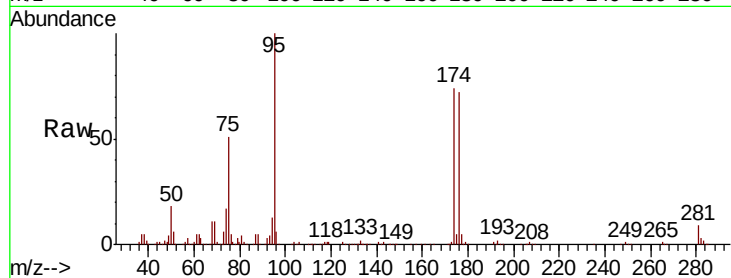
Tot Ion: 75 Resp: 62443

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#



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

