

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001849.D
 Acq On : 04 Mar 2020 13:26
 Operator : SY/MD
 Sample : VY0304SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBL01

Quant Time: Mar 05 04:08:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	155552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	303158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	271957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	116821	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	95516	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	
35) Dibromofluoromethane	7.74	113	87529	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
50) Toluene-d8	10.19	98	364974	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.49	95	124769	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	

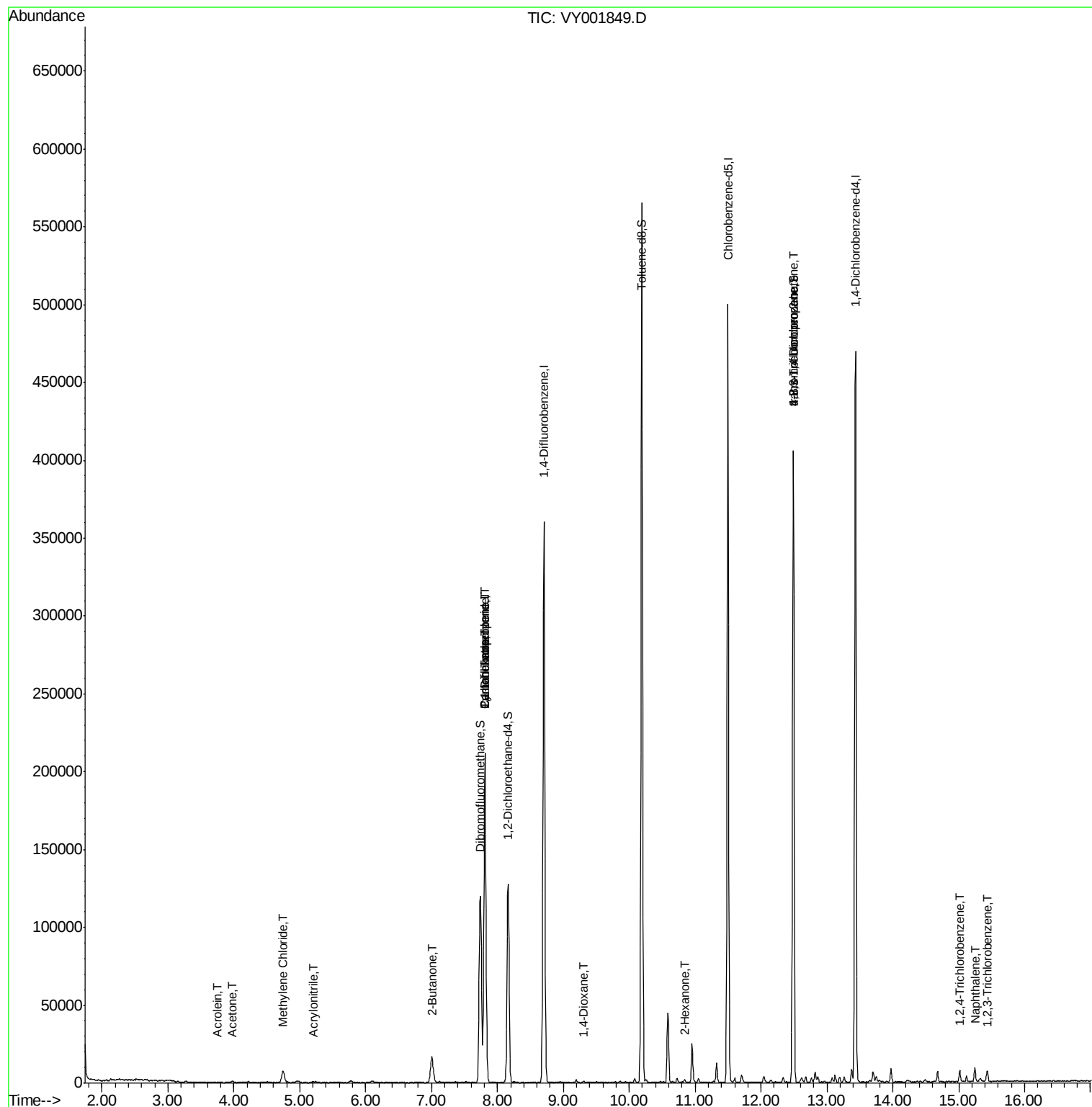
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	374	Below Cal		88
11) Tert butyl alcohol	4.97	59	1934	Below Cal	#	74
13) Acrolein	3.76	56	270	1.157	ug/l #	73
15) Acrylonitrile	5.21	53	1019	1.812	ug/l #	85
16) Acetone	3.97	43	1831	3.786	ug/l	90
20) Methylene Chloride	4.75	84	5254	2.535	ug/l	94
25) 2-Butanone	7.02	43	1712	2.328	ug/l #	76
31) Cyclohexane	7.82	56	3967	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	13680	4.689	ug/l #	51
38) Carbon Tetrachloride	7.81	117	15772	6.329	ug/l #	16
49) 1,4-Dioxane	9.31	88	26	1.694	ug/l #	22
58) 2-Chloroethyl Vinyl ether	9.80	63	234	Below Cal	#	48
59) 2-Hexanone	10.84	43	1532	1.298	ug/l	93
76) 1,2,3-Trichloropropane	12.49	75	62414	45.027	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62414	90.951	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.01	180	2281	1.046	ug/l	98
95) Naphthalene	15.25	128	6981	1.349	ug/l	96
96) 1,2,3-Trichlorobenzene	15.43	180	2420	1.259	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

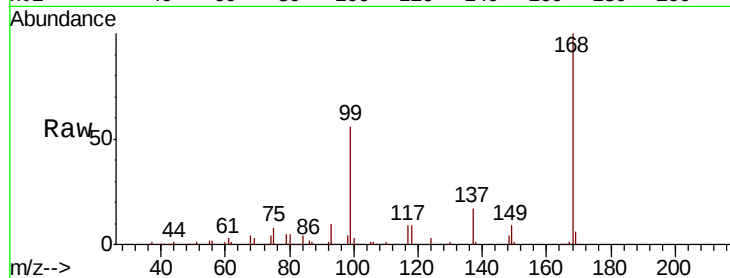
VY0304SBL01

Tot Ion:168 Resp: 155552

Ion Ratio Lower Upper

168 100

99 55.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

60000

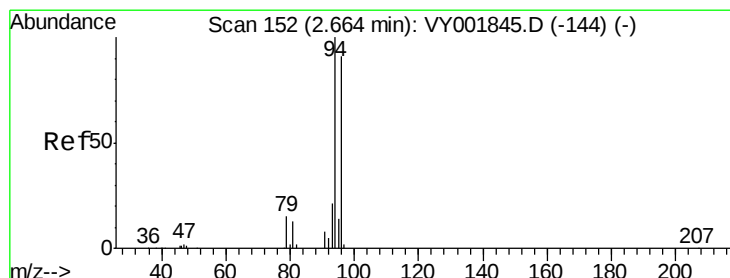
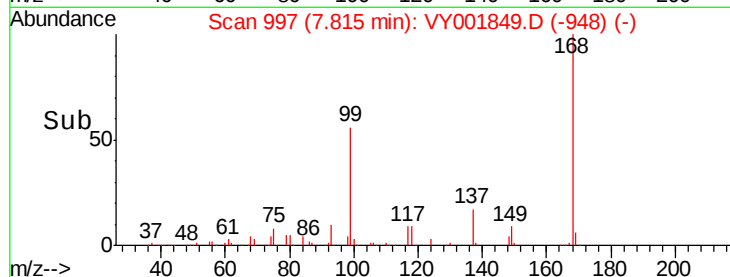
40000

20000

0

7.70 7.80 7.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001849.D

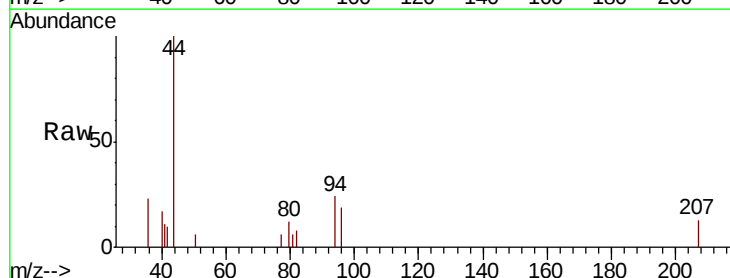
Acq: 04 Mar 2020 13:26

Tgt Ion: 94 Resp: 374

Ion Ratio Lower Upper

94 100

96 79.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

250

200

150

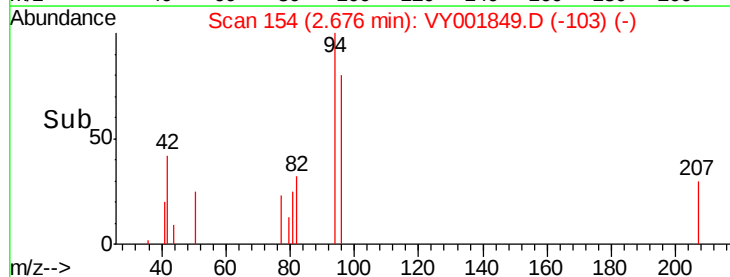
100

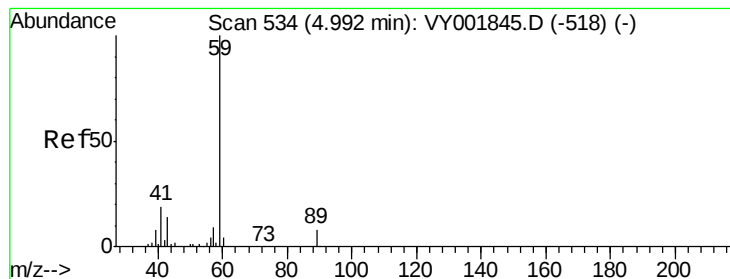
50

0

2.65 2.70

Time-->



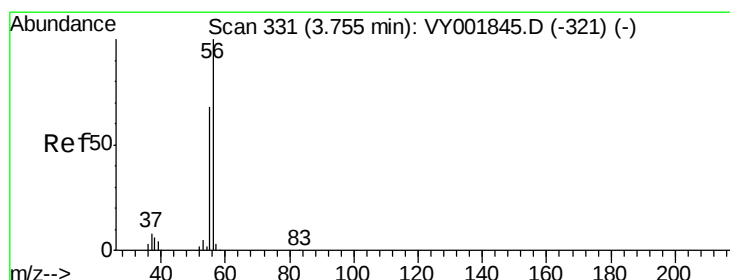
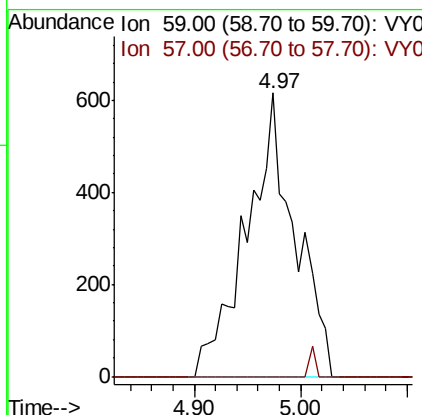
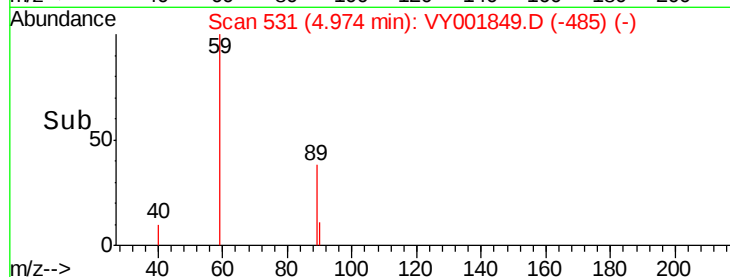
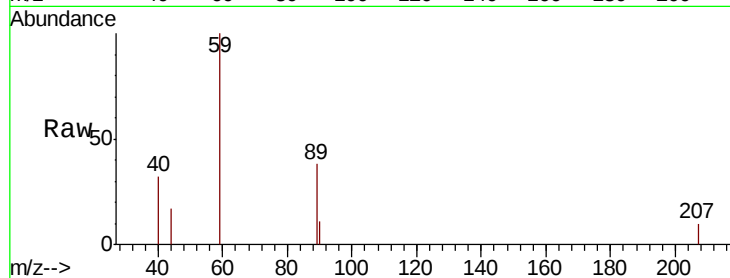


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001849.D
 Acq: 04 Mar 2020 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBL01

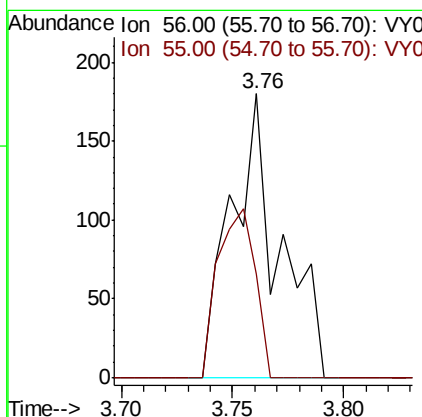
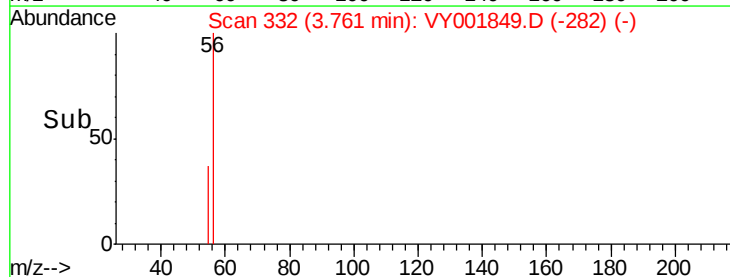
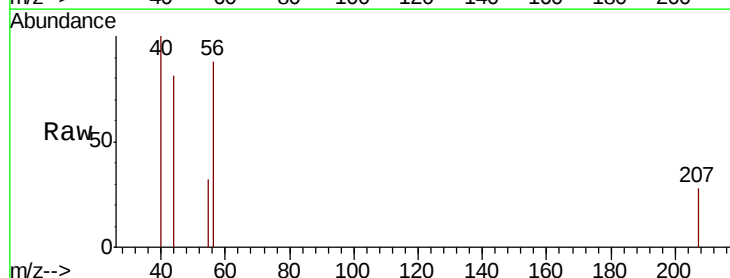
Tot Ion: 59 Resp: 1934
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

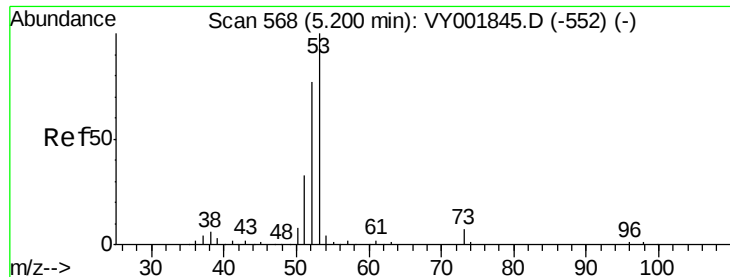


#13

Acrolein
 Concen: 1.157 ug/l
 RT: 3.76 min Scan# 332
 Delta R.T. 0.01 min
 Lab File: VY001849.D
 Acq: 04 Mar 2020 13:26

Tgt Ion: 56 Resp: 270
 Ion Ratio Lower Upper
 56 100
 55 45.9 54.0 81.0#





#15

Acrylonitrile

Concen: 1.812 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBL01

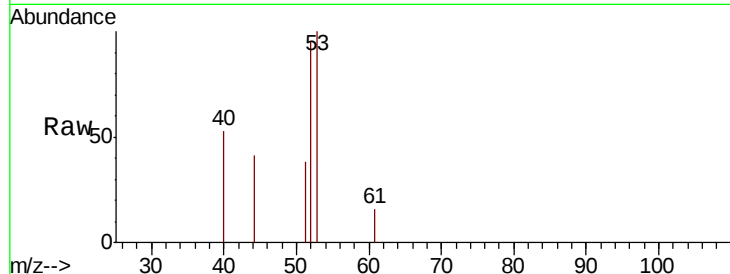
Tot Ion: 53 Resp: 1019

Ion Ratio Lower Upper

53 100

52 76.3 65.1 97.7

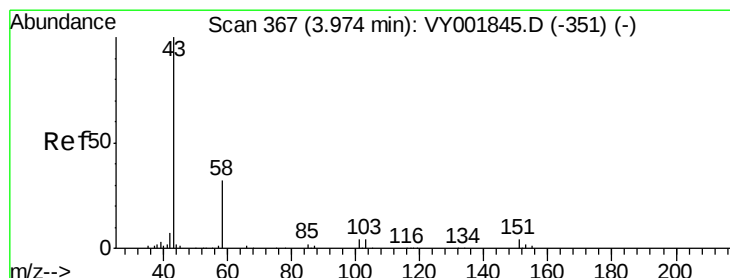
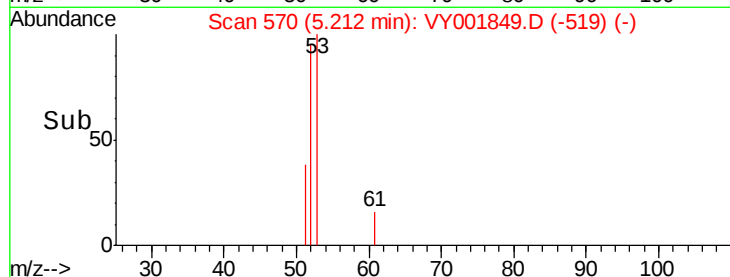
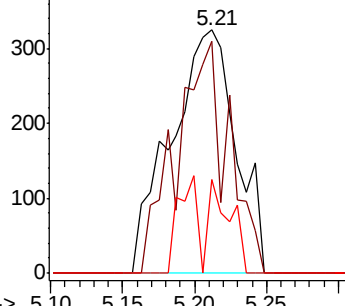
51 13.1 27.5 41.3#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 3.786 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001849.D

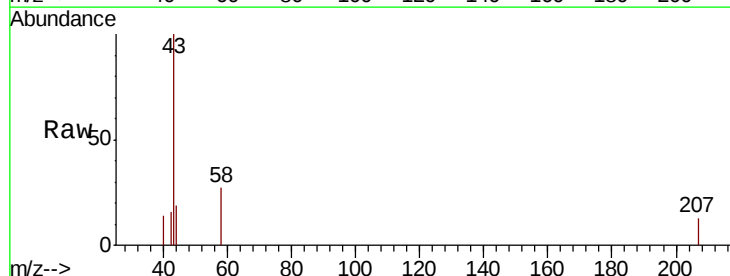
Acq: 04 Mar 2020 13:26

Tgt Ion: 43 Resp: 1831

Ion Ratio Lower Upper

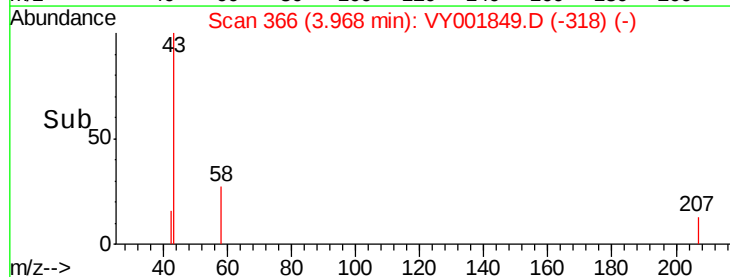
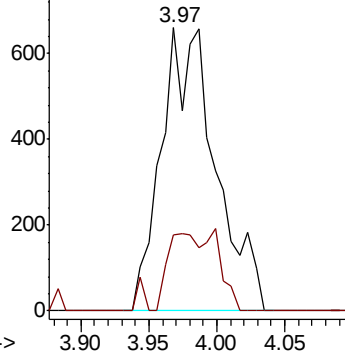
43 100

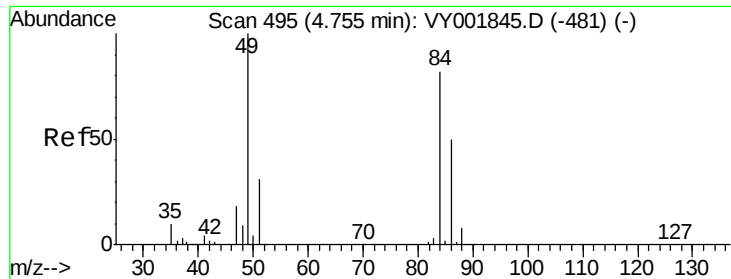
58 27.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

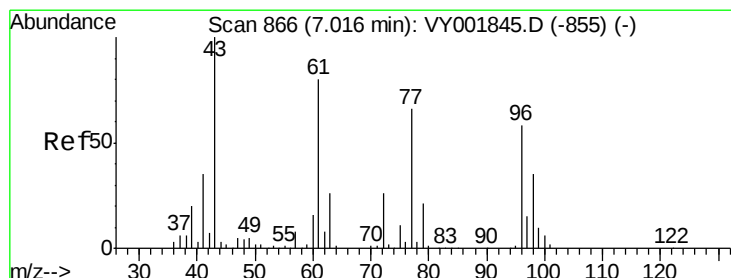
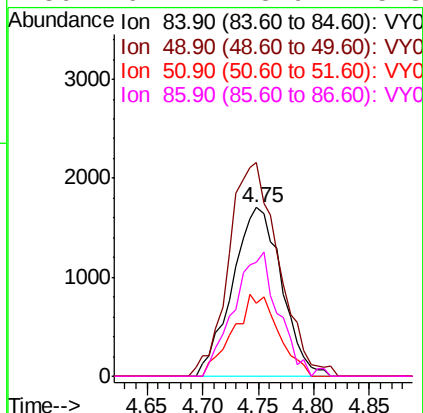
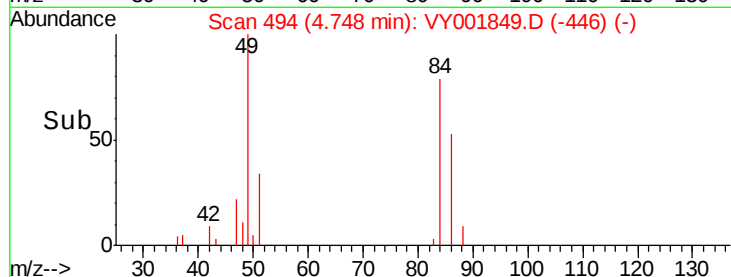
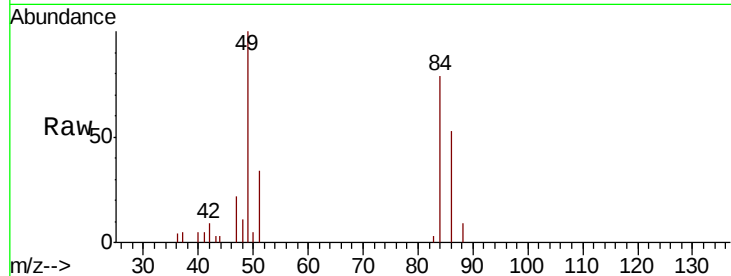




#20
Methvlene Chloride
Concen: 2.535 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001849.D
Acq: 04 Mar 2020 13:26

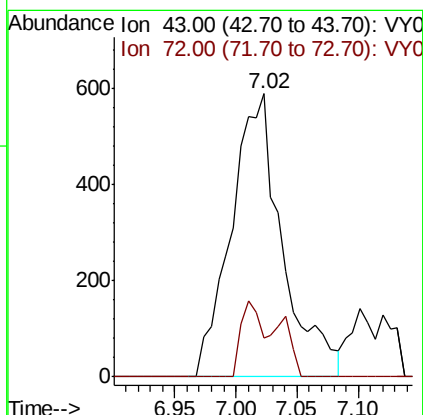
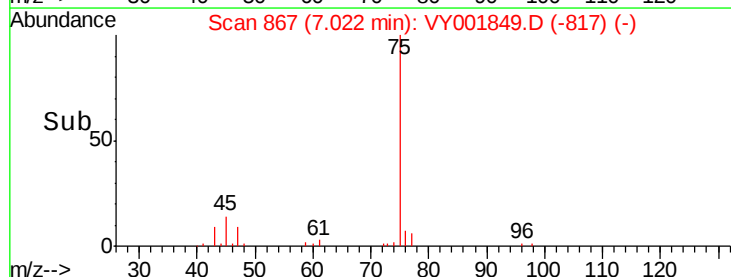
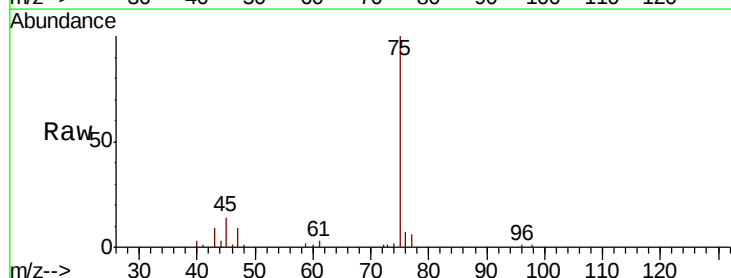
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBL01

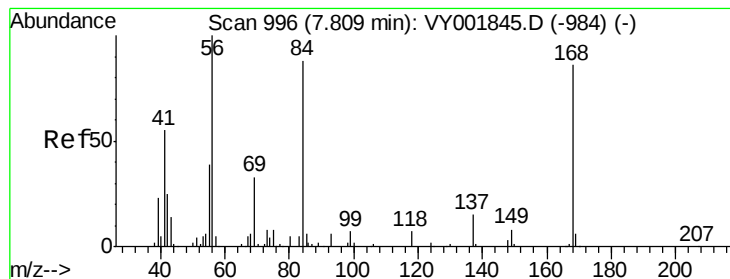
Tot Ion: 84 Resp: 5254
Ion Ratio Lower Upper
84 100
49 126.6 98.2 147.2
51 43.6 30.2 45.2
86 67.4 48.9 73.3



#25
2-Butanone
Concen: 2.328 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001849.D
Acq: 04 Mar 2020 13:26

Tgt Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
72 13.8 20.9 31.3#





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBL01

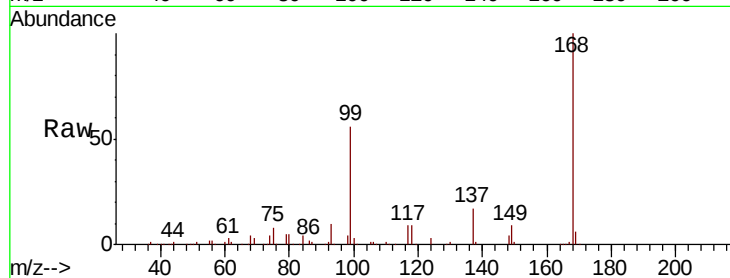
Tot Ion: 56 Resp: 3967

Ion Ratio Lower Upper

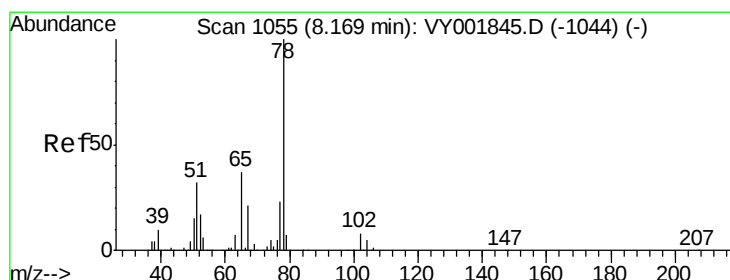
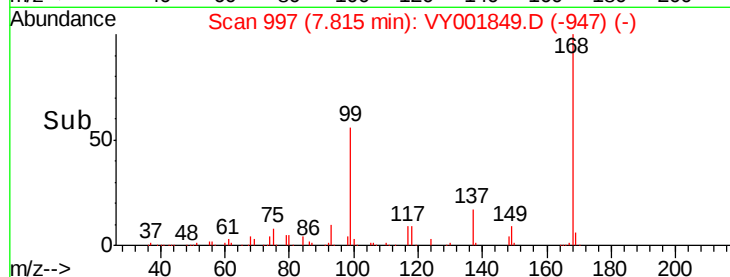
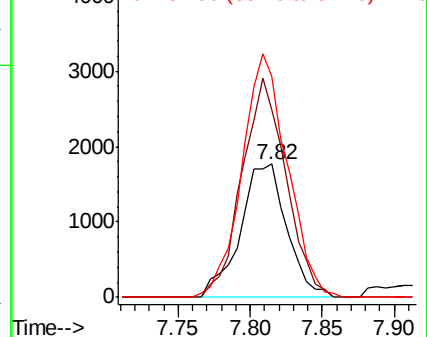
56 100

69 140.3 26.7 40.1#

84 165.8 70.4 105.6#



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: 57.518 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001849.D

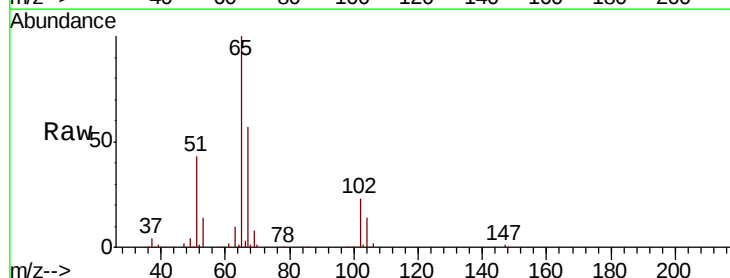
Acq: 04 Mar 2020 13:26

Tgt Ion: 65 Resp: 95516

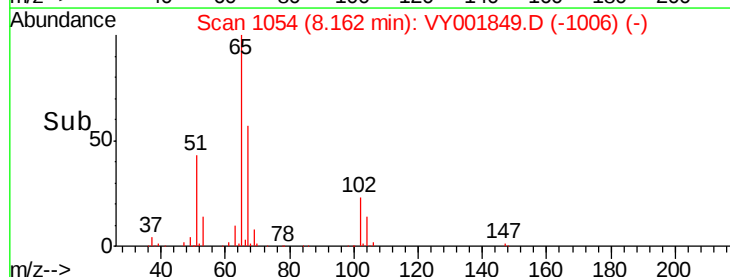
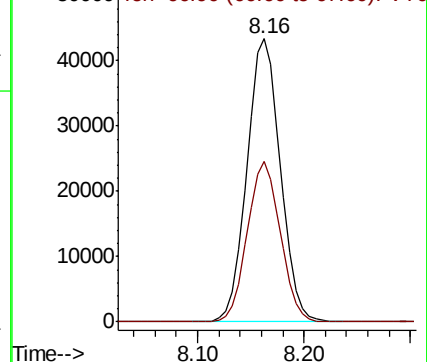
Ion Ratio Lower Upper

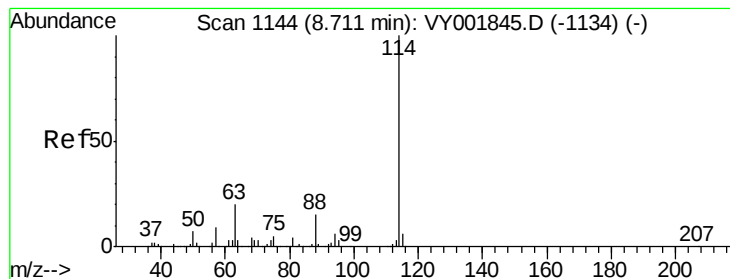
65 100

67 56.3 0.0 110.8



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: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

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VY0304SBL01

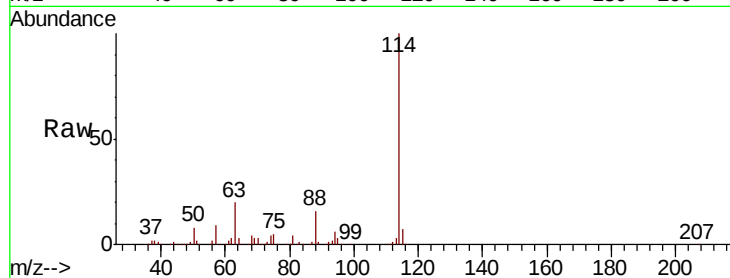
Tot Ion:114 Resp: 303158

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

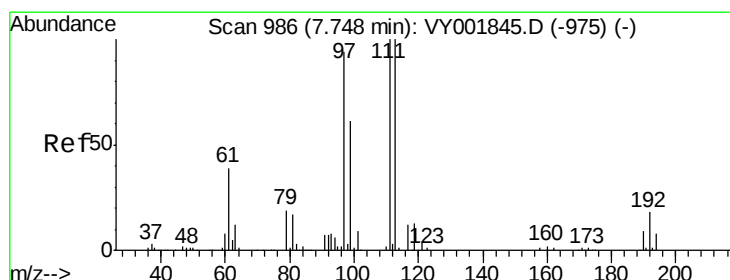
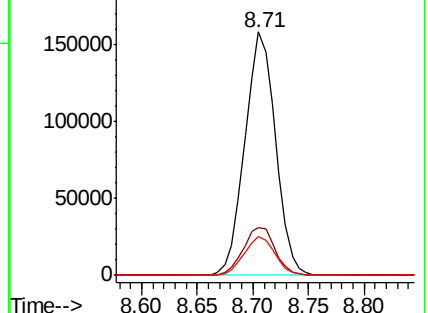
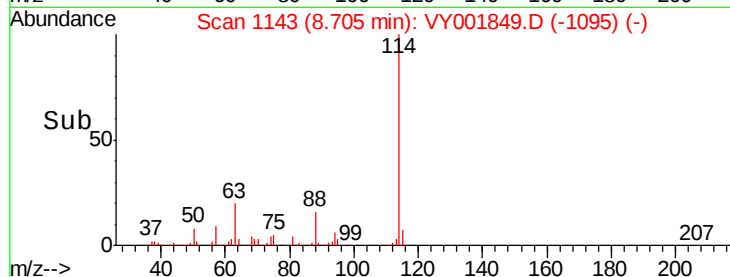
88 15.8 0.0 30.4



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: 52.876 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

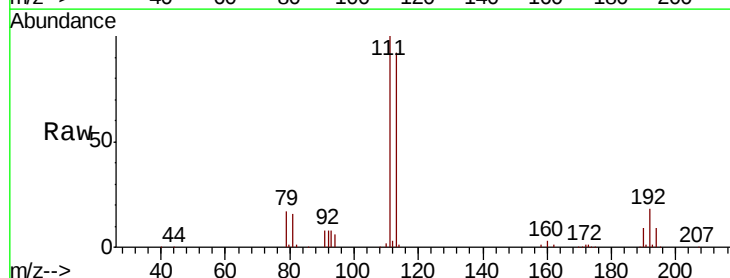
Tgt Ion:113 Resp: 87529

Ion Ratio Lower Upper

113 100

111 105.6 81.8 122.8

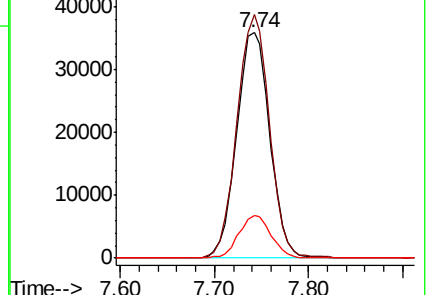
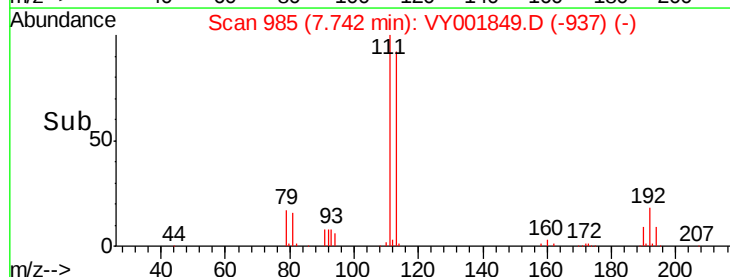
192 18.3 14.2 21.2

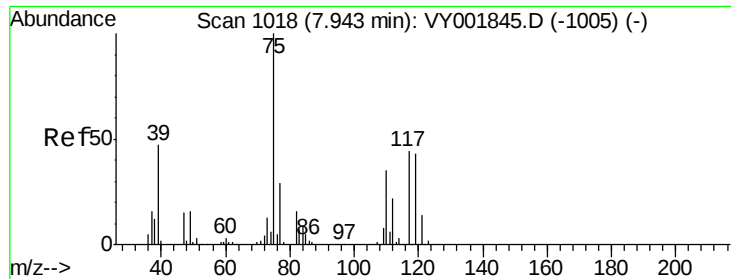


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

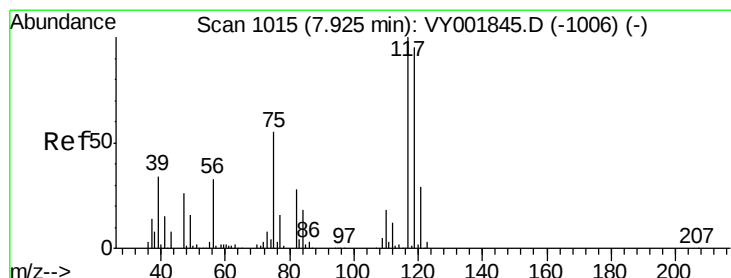
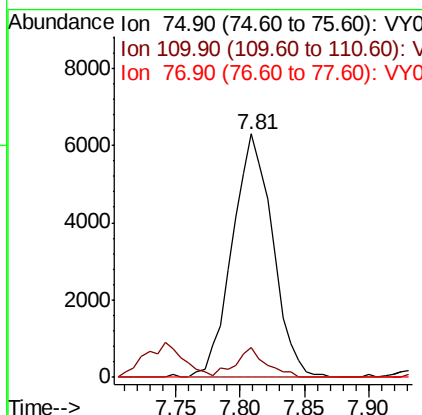
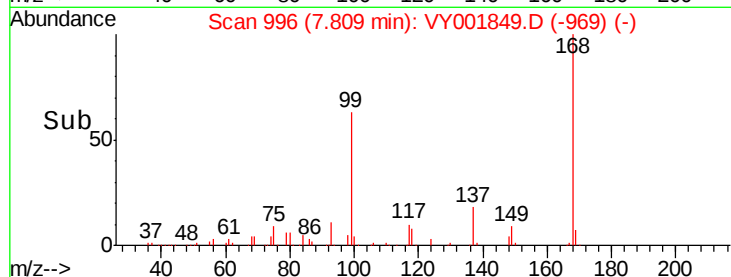
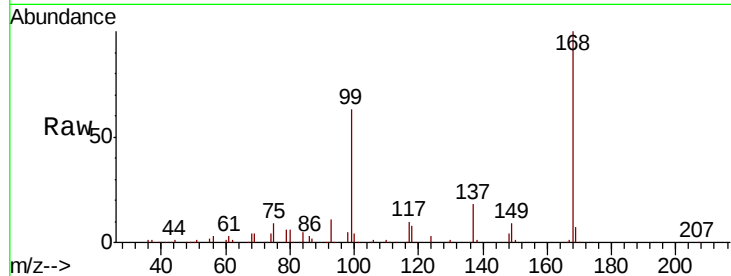




#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001849.D
 Acq: 04 Mar 2020 13:26

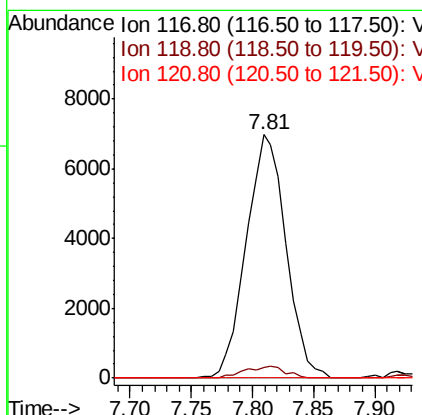
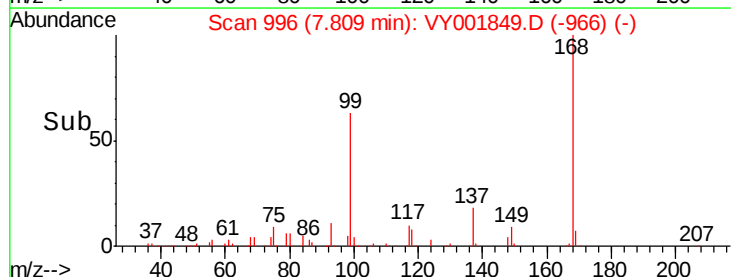
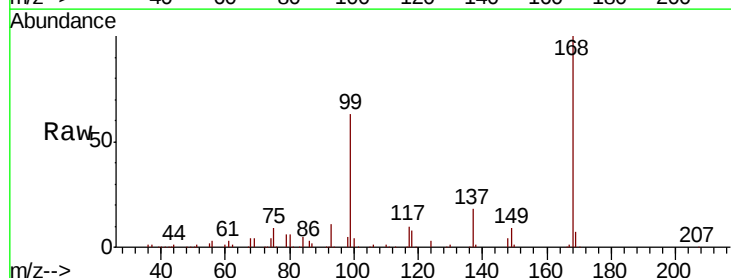
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBL01

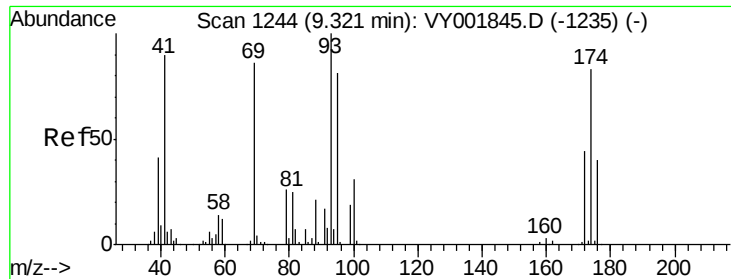
Tot Ion: 75 Resp: 13680
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.329 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001849.D
 Acq: 04 Mar 2020 13:26

Tgt Ion: 117 Resp: 15772
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.3 114.5#
 121 0.0 23.5 35.3#

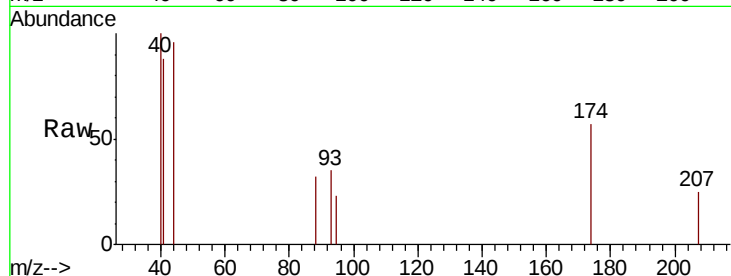




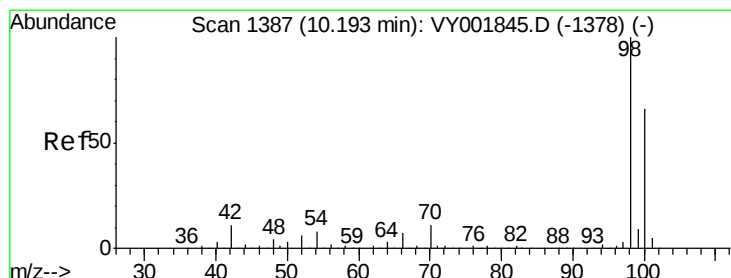
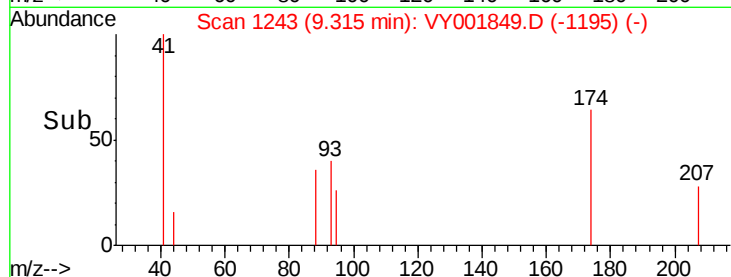
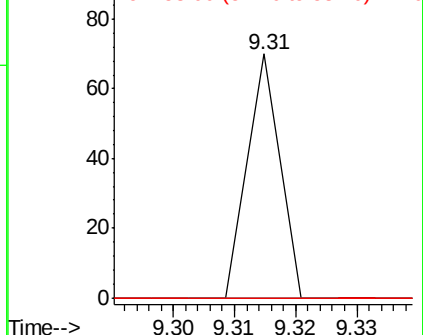
#49
1,4-Dioxane
Concen: 1.694 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001849.D
Acq: 04 Mar 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBL01

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.6#
58 0.0 58.9 88.3#

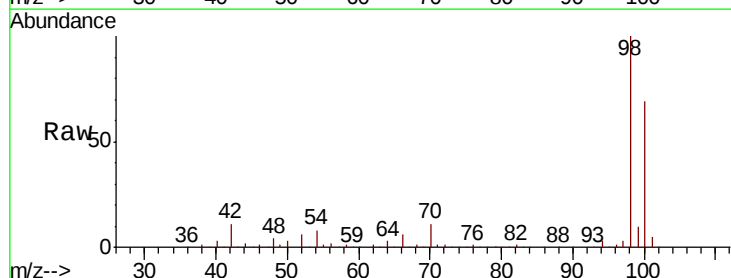


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

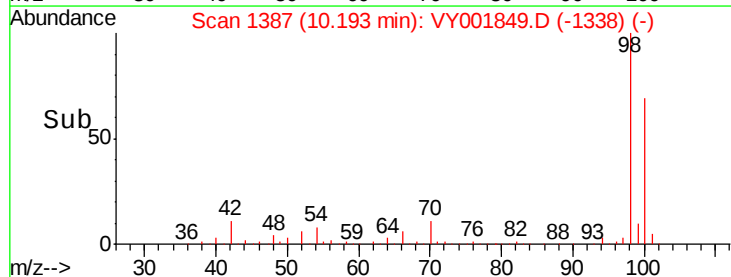
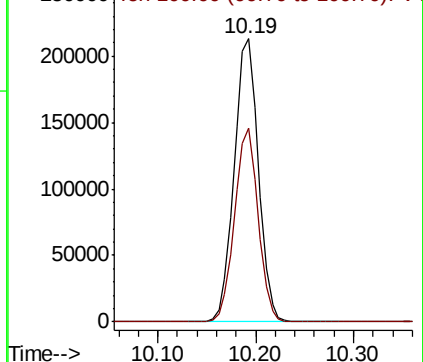


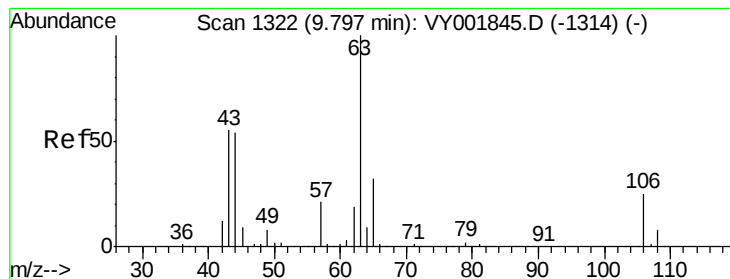
#50
Toluene-d8
Concen: 52.285 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001849.D
Acq: 04 Mar 2020 13:26

Tgt Ion: 98 Resp: 364974
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): VY0





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

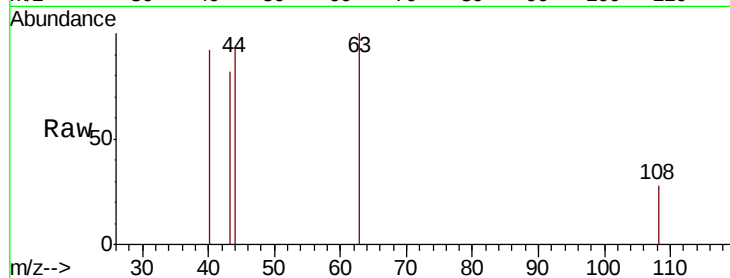
VY0304SBL01

Tot Ion: 63 Resp: 234

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.80

200

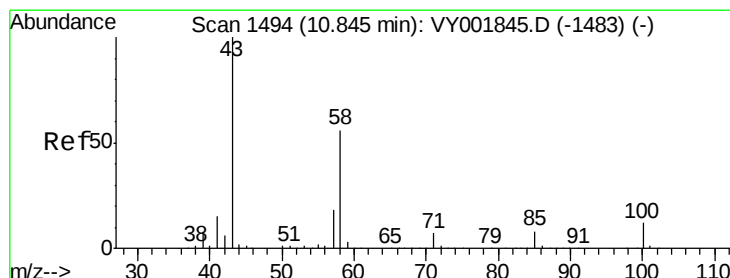
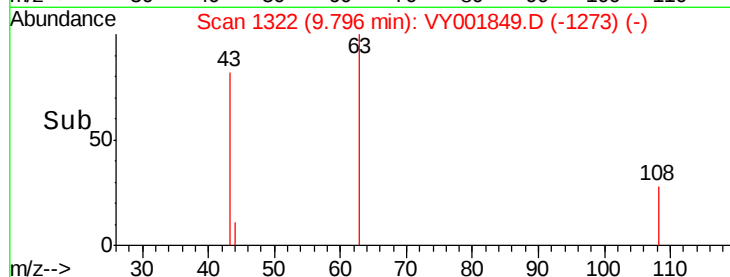
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 1.298 ug/l

RT: 10.84 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VY001849.D

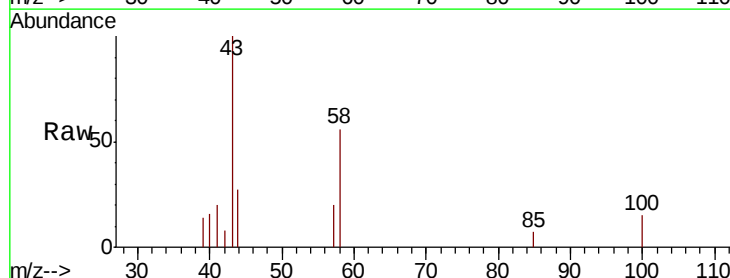
Acq: 04 Mar 2020 13:26

Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

58 51.1 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1000

800

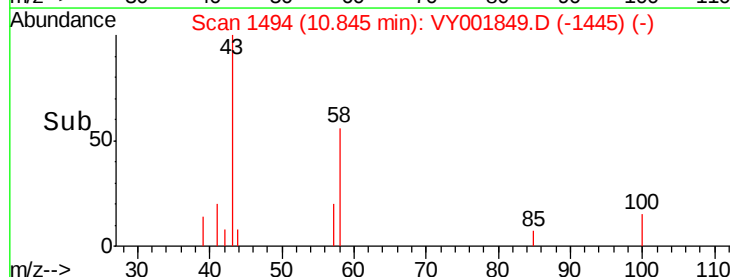
600

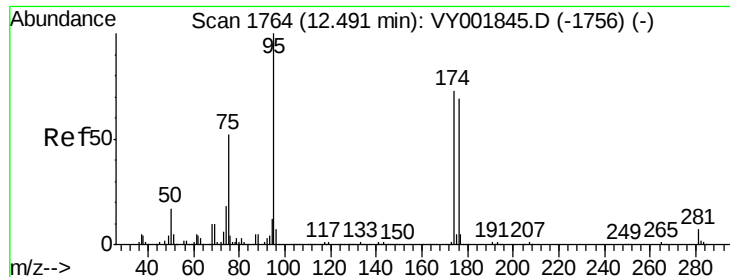
400

200

0

Time-->

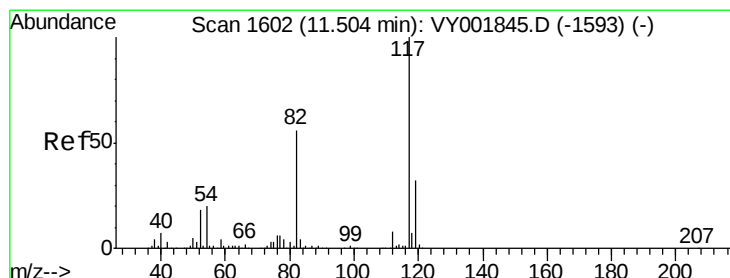
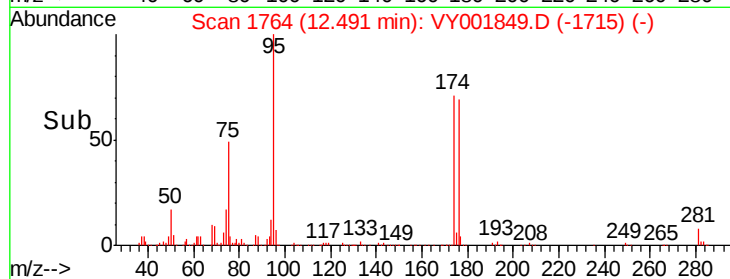
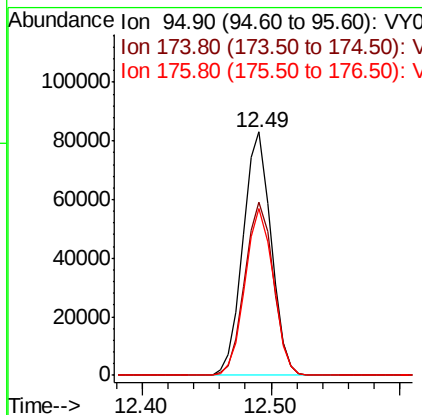
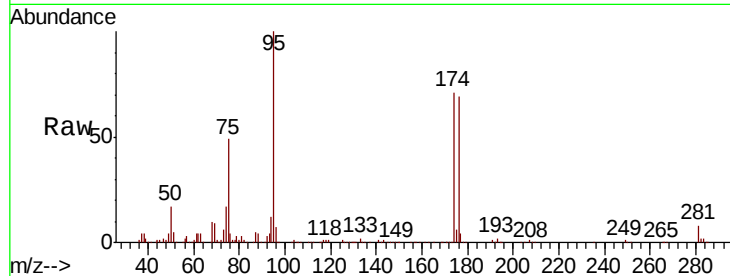




#62
4-Bromofluorobenzene
Concen: 51.405 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY001849.D
Acq: 04 Mar 2020 13:26

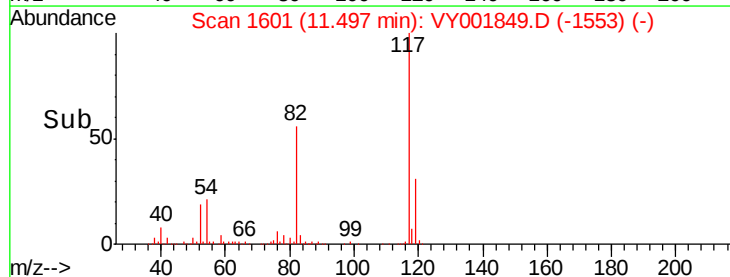
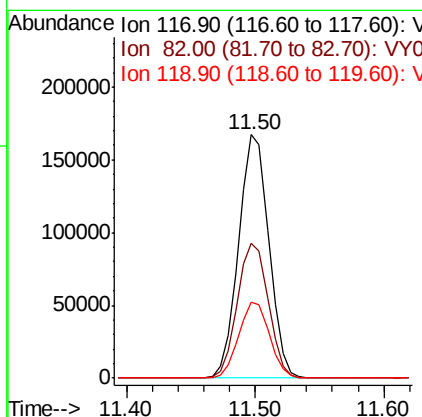
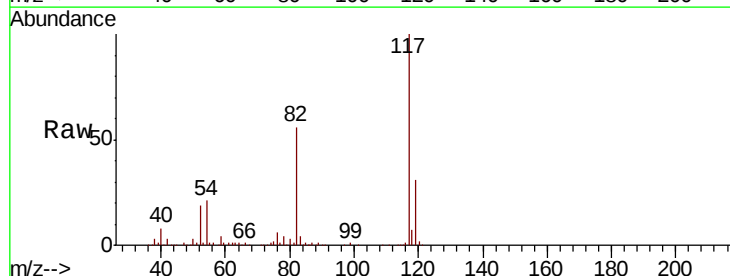
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBL01

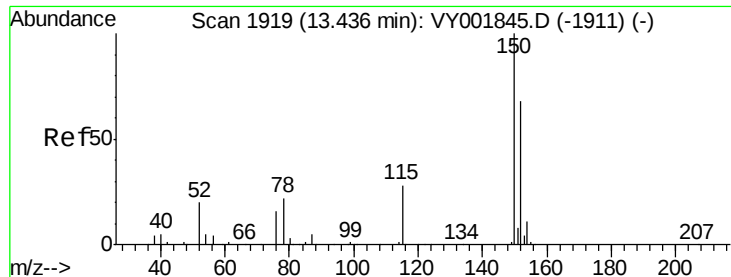
Tot Ion	95	Resp	124769
Ion Ratio	100		
Lower			
Upper			
174	72.1	0.0	145.0
176	69.4	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001849.D
Acq: 04 Mar 2020 13:26

Tgt Ion	117	Resp	271957
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	55.5	44.5	66.7
119	31.2	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBL01

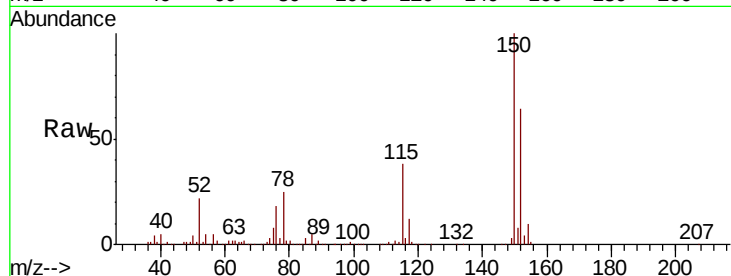
Tot Ion:152 Resp: 116821

Ion Ratio Lower Upper

152 100

115 61.8 29.9 89.7

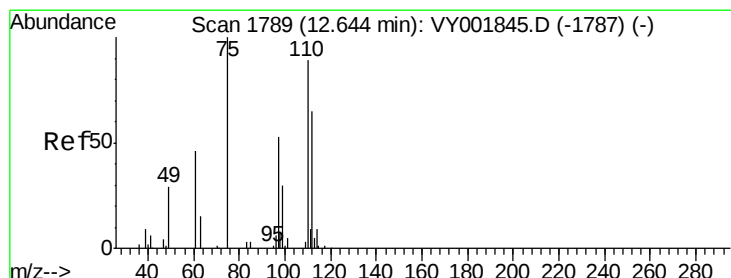
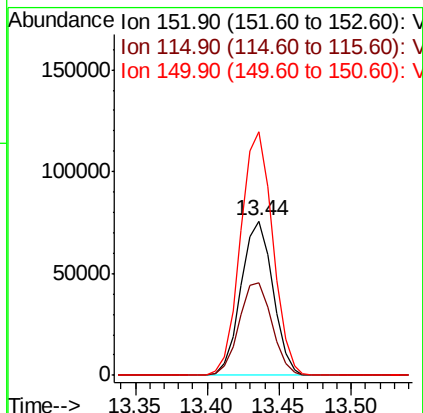
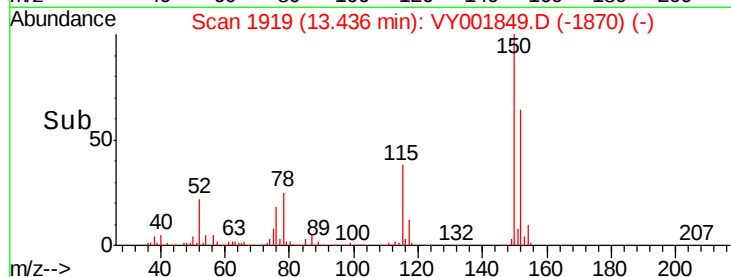
150 158.7 0.0 340.6



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: 45.027 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001849.D

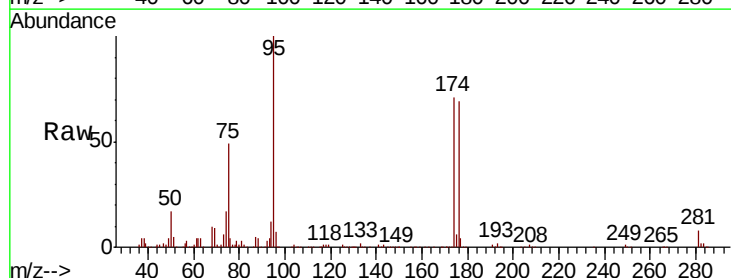
Acq: 04 Mar 2020 13:26

Tgt Ion: 75 Resp: 62414

Ion Ratio Lower Upper

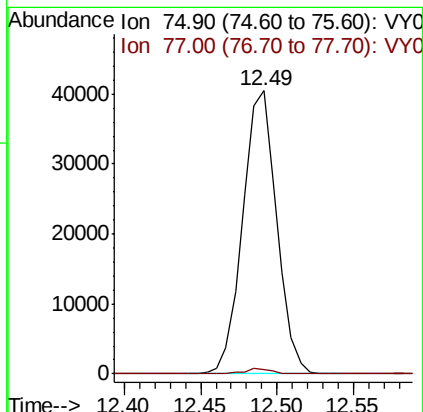
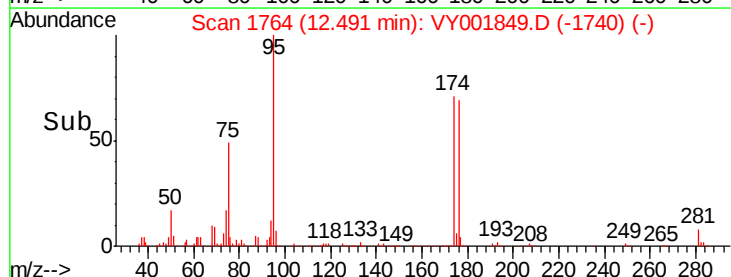
75 100

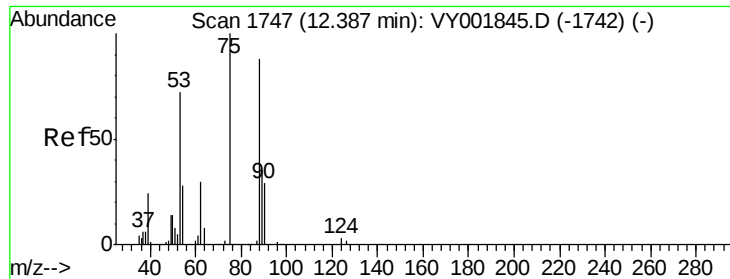
77 1.5 0.0 0.0#



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: 90.951 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBL01

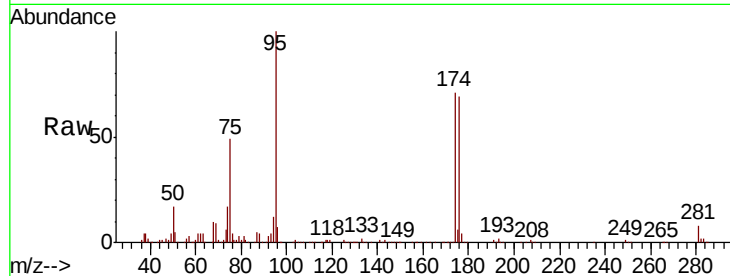
Tot Ion: 75 Resp: 62414

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

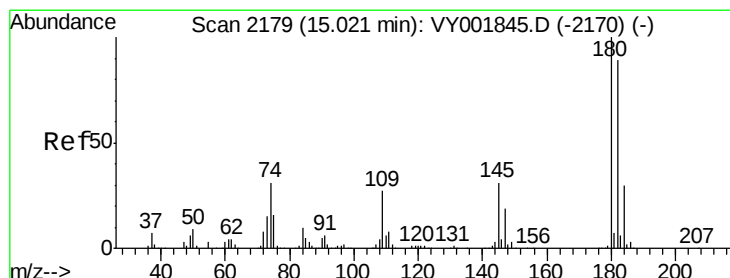
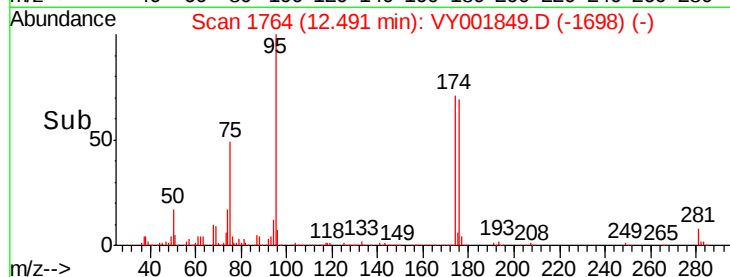
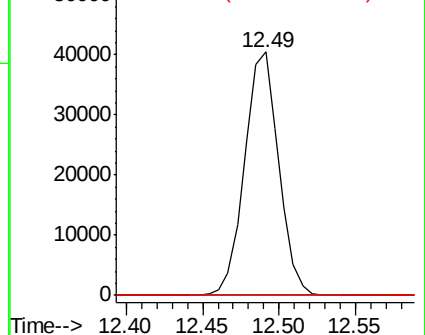
89 0.2 36.0 54.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.046 ug/l

RT: 15.01 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

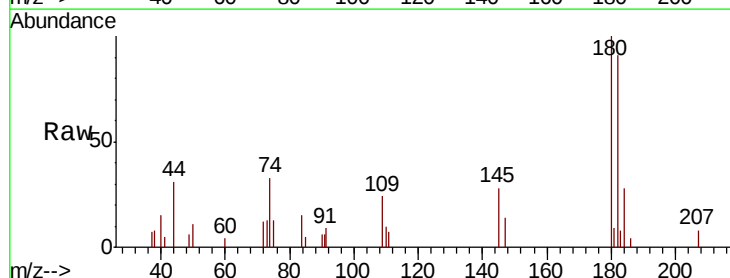
Tgt Ion:180 Resp: 2281

Ion Ratio Lower Upper

180 100

182 89.6 46.1 138.3

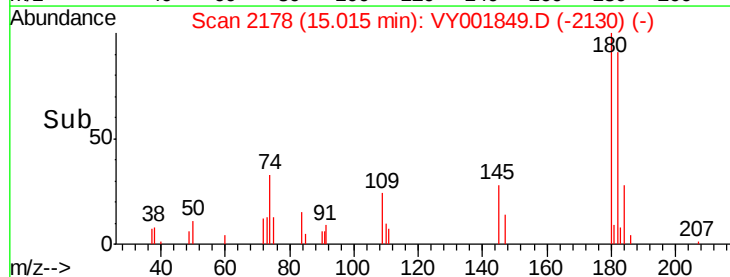
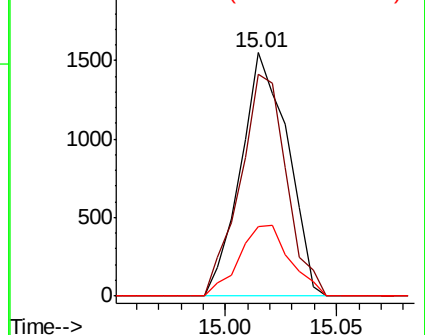
145 31.3 15.6 46.8

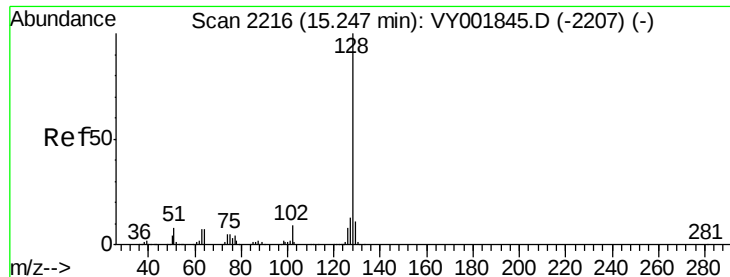


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.349 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBL01

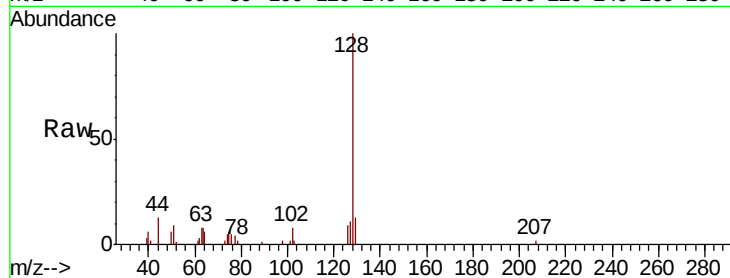
Tot Ion:128 Resp: 6981

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

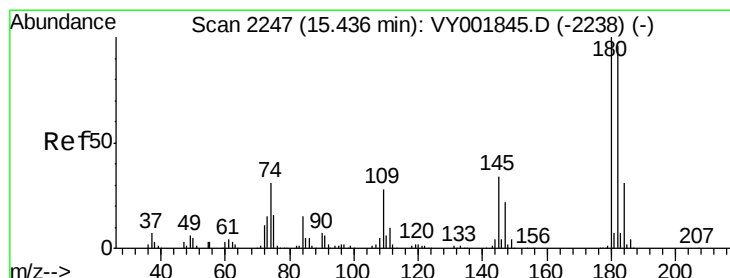
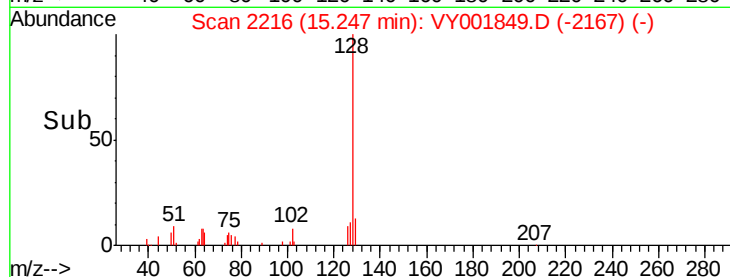
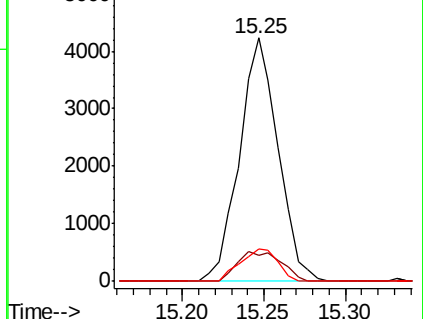
129 12.9 8.6 13.0



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: 1.259 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY001849.D

Acq: 04 Mar 2020 13:26

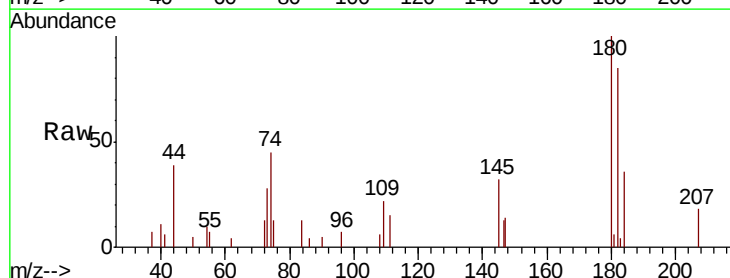
Tgt Ion:180 Resp: 2420

Ion Ratio Lower Upper

180 100

182 93.6 47.6 142.9

145 34.4 16.8 50.3



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

