

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000946.D
 Acq On : 16 Dec 2019 11:16
 Operator : SY/MD
 Sample : VY1216SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBL01

Quant Time: Dec 17 06:01:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	262363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	484928	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	434408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	186013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	148990	53.44	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.72	113	142746	50.51	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.17	98	572271	50.65	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.47	95	193264	45.55	ug/l	0.00
Spiked Amount						

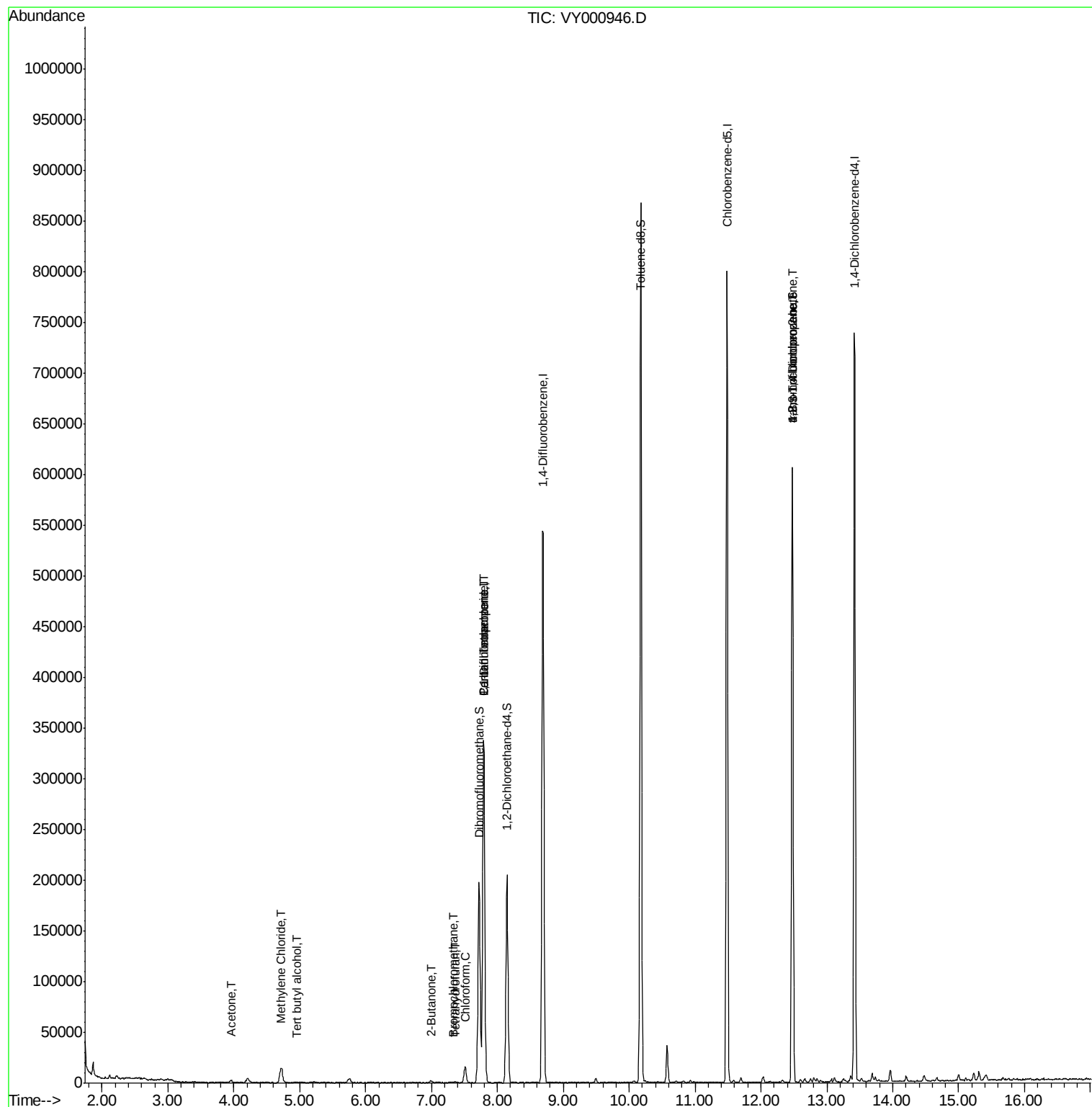
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	138	Below Cal	#	49
11) Tert butyl alcohol	4.96	59	455	1.622	ug/l #	74
16) Acetone	3.95	43	3773	5.900	ug/l #	73
20) Methylene Chloride	4.72	84	10428	3.093	ug/l	96
25) 2-Butanone	7.00	43	1629	1.379	ug/l #	87
28) Bromochloromethane	7.33	49	73	2.050	ug/l #	15
29) Tetrahydrofuran	7.36	42	950	1.214	ug/l #	59
30) Chloroform	7.51	83	14332	2.557	ug/l #	83
36) 1,1-Dichloropropene	7.79	75	21546	4.469	ug/l #	49
38) Carbon Tetrachloride	7.79	117	25142	5.855	ug/l #	14
76) 1,2,3-Trichloropropane	12.47	75	93113	44.182	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	93113	86.785	ug/l #	18

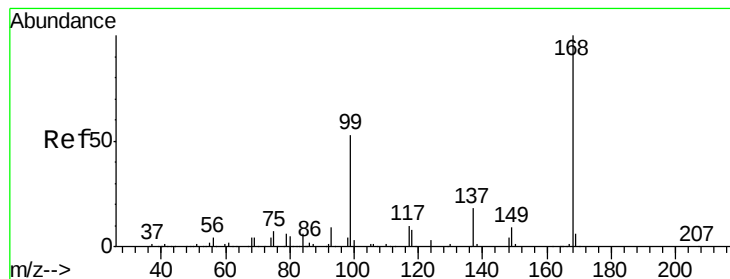
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
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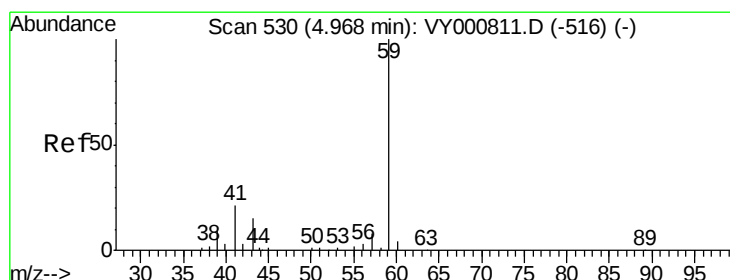
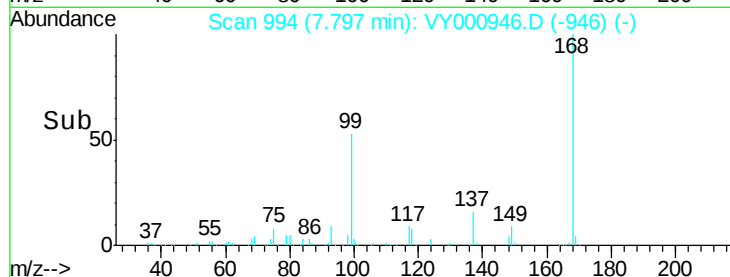
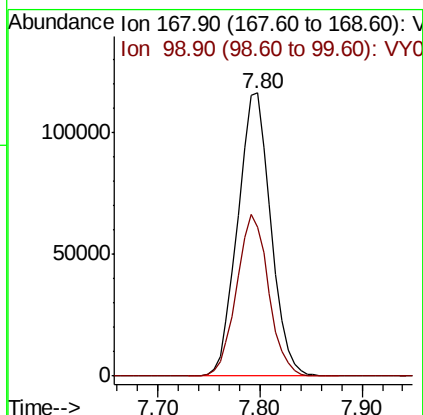
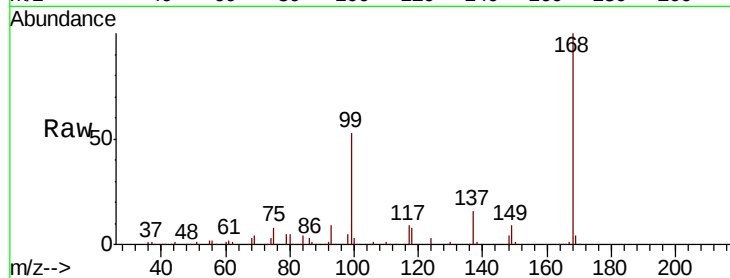




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000946.D
Acq: 16 Dec 2019 11:16

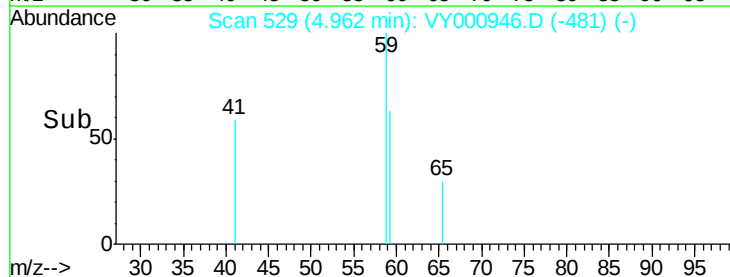
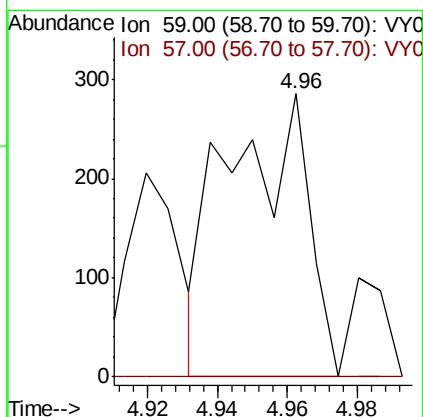
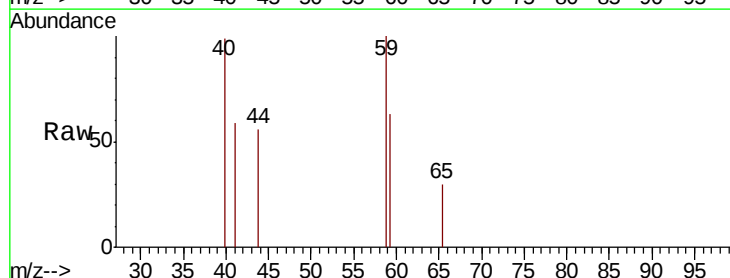
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBL01

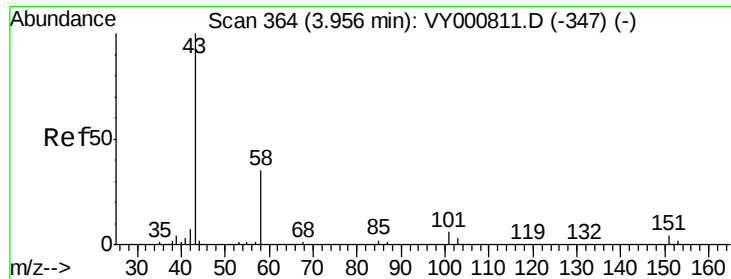
Tgt Ion: 168 Resp: 262363
Ion Ratio Lower Upper
168 100
99 52.8 45.0 67.6



#11
Tert butyl alcohol
Concen: 1.622 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000946.D
Acq: 16 Dec 2019 11:16

Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 5.900 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Instrument :

MSVOA_Y

ClientSampleId :

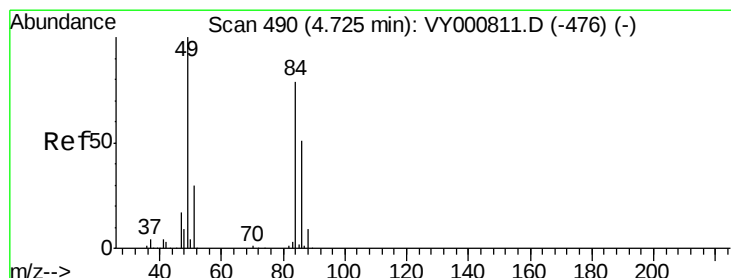
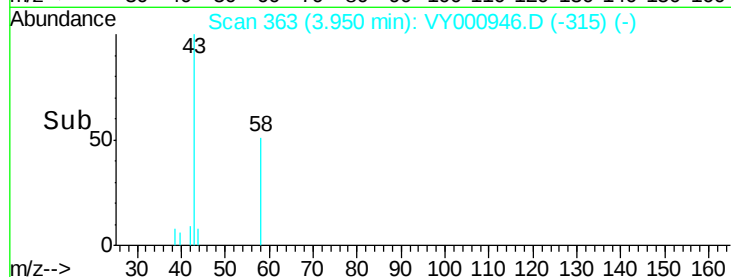
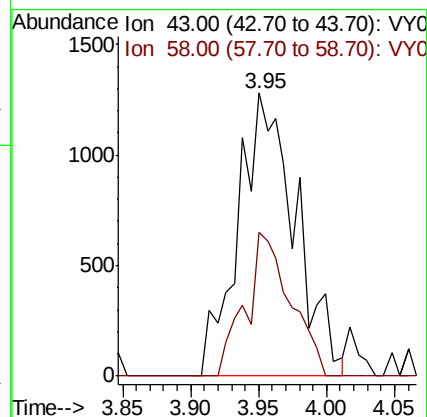
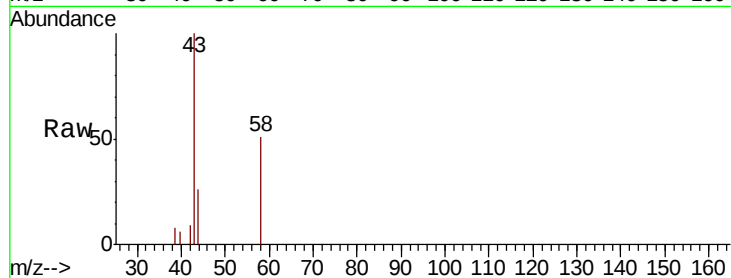
VY1216SBL01

Tgt Ion: 43 Resp: 3773

Ion Ratio Lower Upper

43 100

58 50.9 28.0 42.0#



#20

Methylene Chloride

Concen: 3.093 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Tgt Ion: 84 Resp: 10428

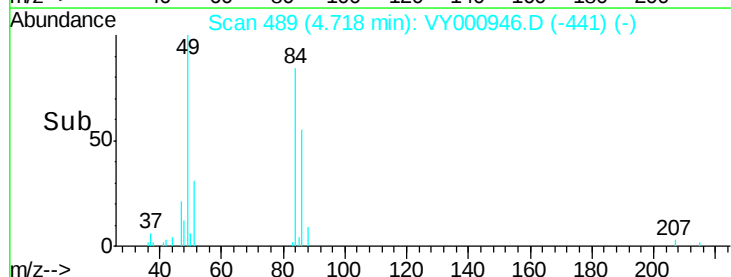
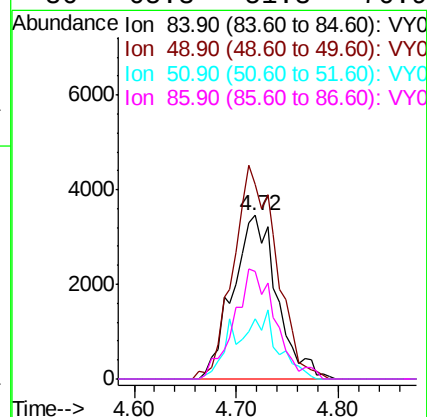
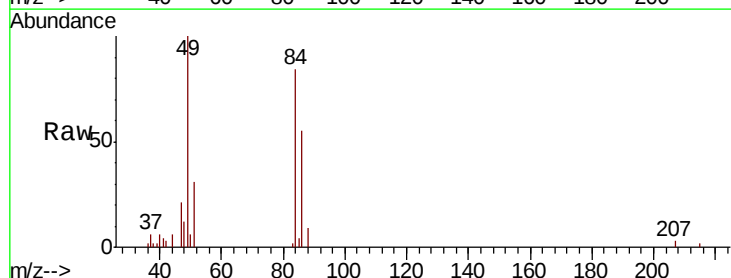
Ion Ratio Lower Upper

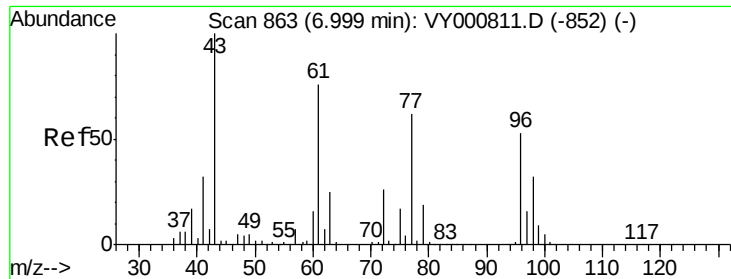
84 100

49 119.0 101.3 151.9

51 37.1 30.6 45.8

86 65.3 51.3 76.9





#25

2-Butanone

Concen: 1.379 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Instrument :

MSVOA_Y

ClientSampleId :

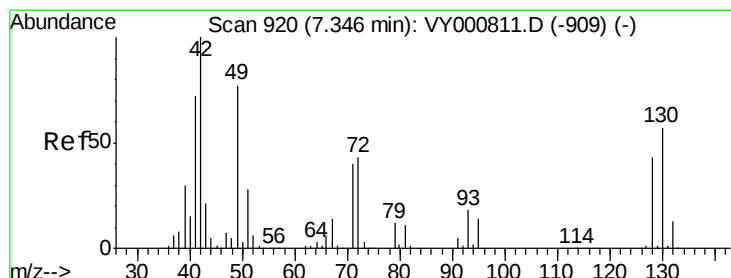
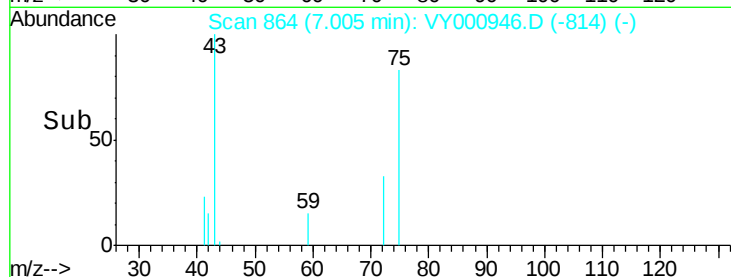
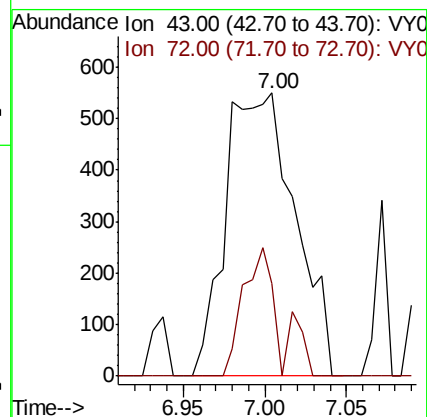
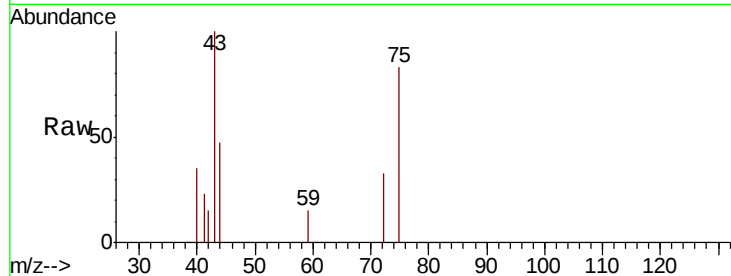
VY1216SBL01

Tgt Ion: 43 Resp: 1629

Ion Ratio Lower Upper

43 100

72 32.7 21.0 31.4#



#28

Bromochloromethane

Concen: 2.050 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

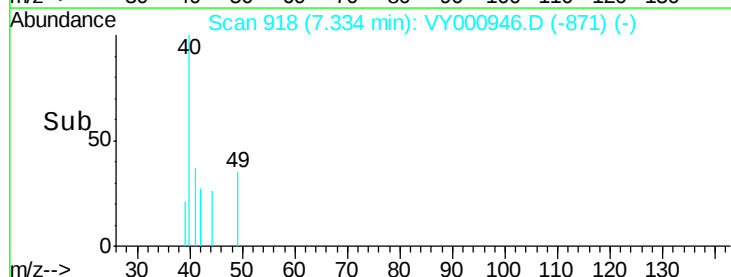
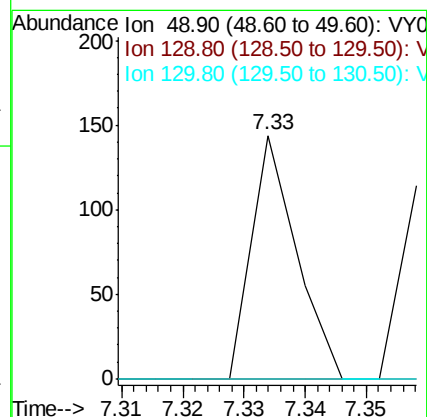
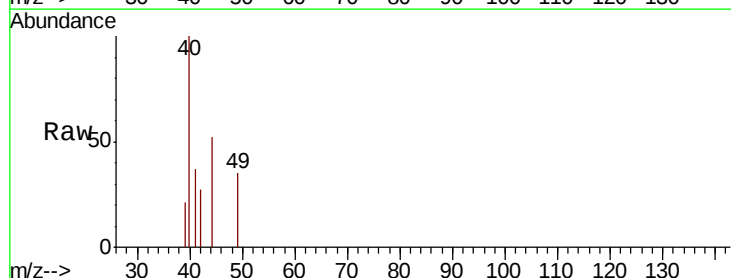
Tgt Ion: 49 Resp: 73

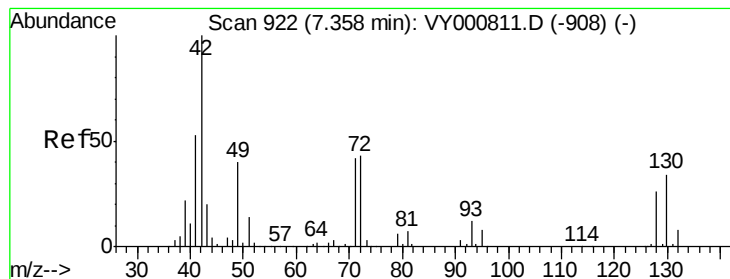
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#





#29

Tetrahydrofuran

Concen: 1.214 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBL01

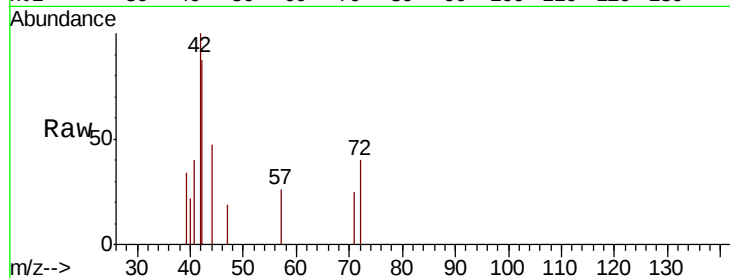
Tgt Ion: 42 Resp: 950

Ion Ratio Lower Upper

42 100

72 18.1 35.1 52.7#

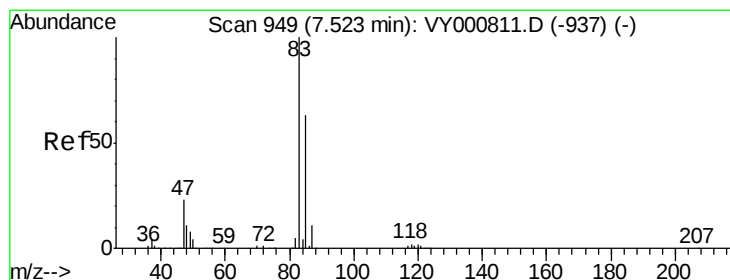
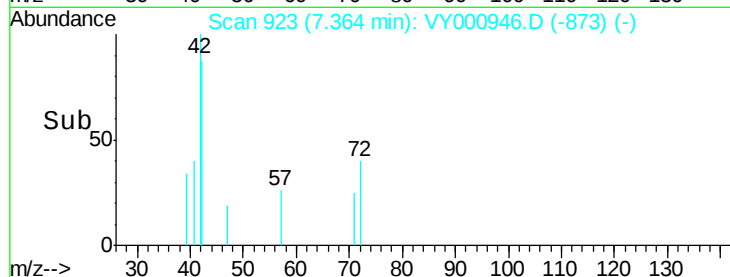
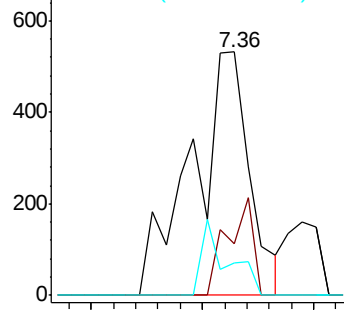
71 14.2 32.8 49.2#



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



#30

Chloroform

Concen: 2.557 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000946.D

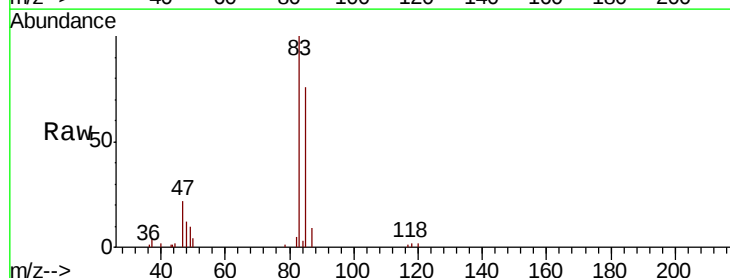
Acq: 16 Dec 2019 11:16

Tgt Ion: 83 Resp: 14332

Ion Ratio Lower Upper

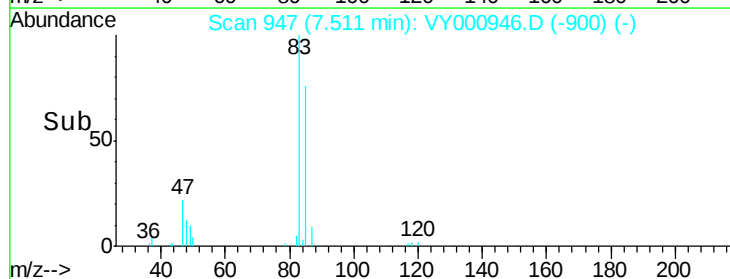
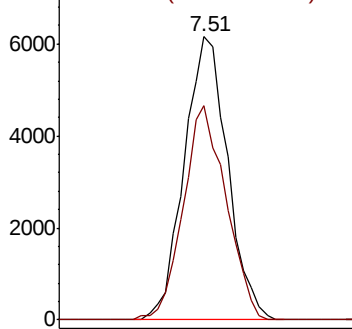
83 100

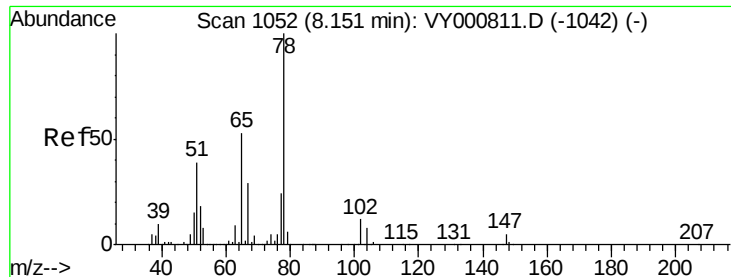
85 75.9 50.4 75.6#



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 53.443 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Instrument :

MSVOA_Y

ClientSampleId :

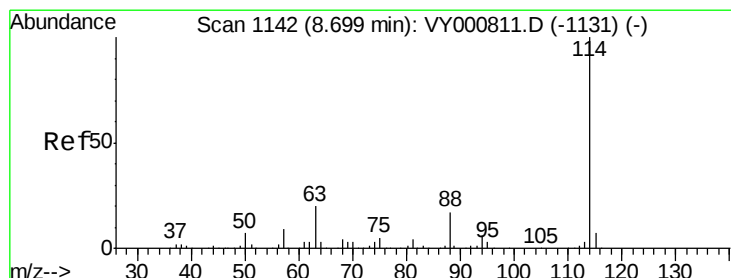
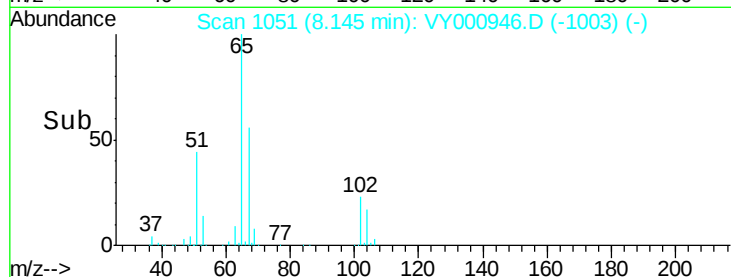
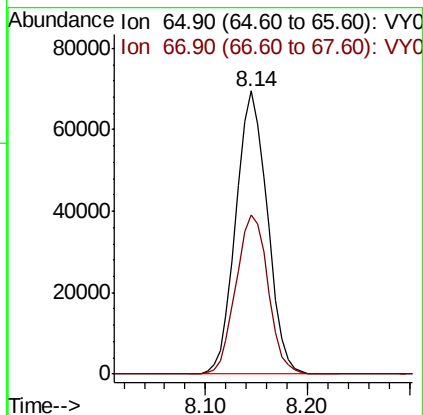
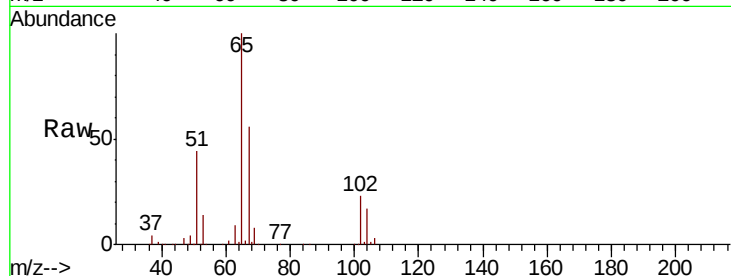
VY1216SBL01

Tgt Ion: 65 Resp: 148990

Ion Ratio Lower Upper

65 100

67 57.5 0.0 112.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

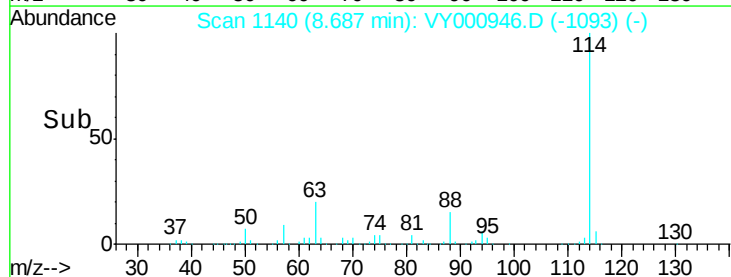
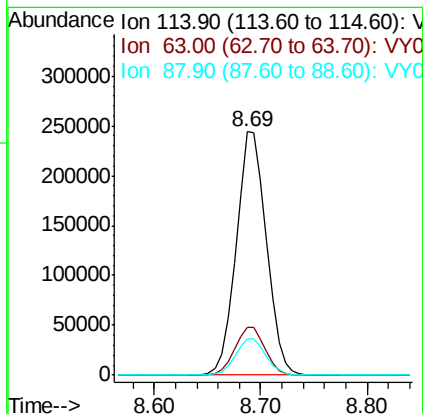
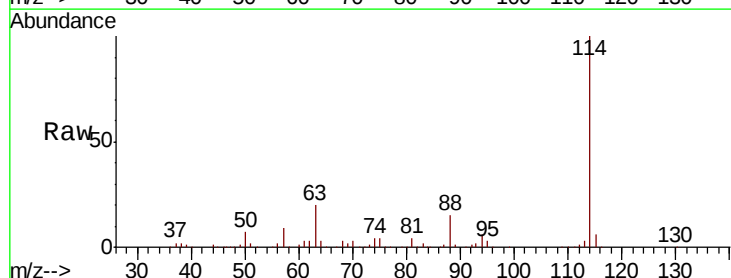
Tgt Ion: 114 Resp: 484928

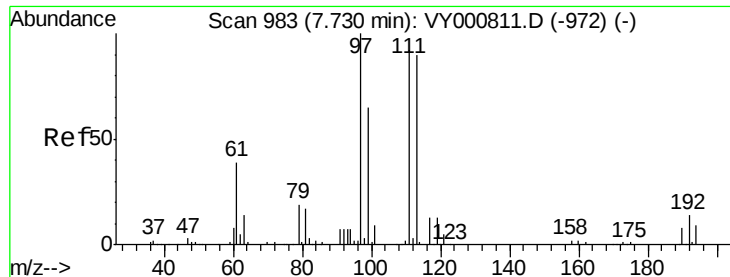
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 14.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.509 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBL01

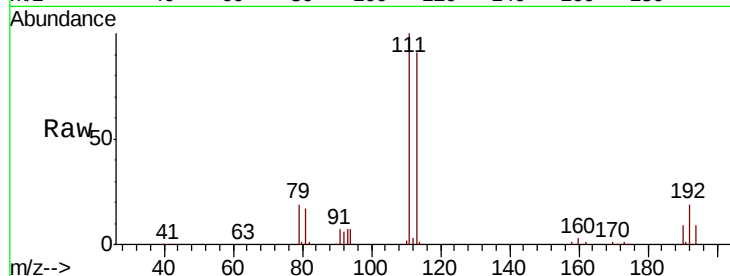
Tgt Ion:113 Resp: 142746

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

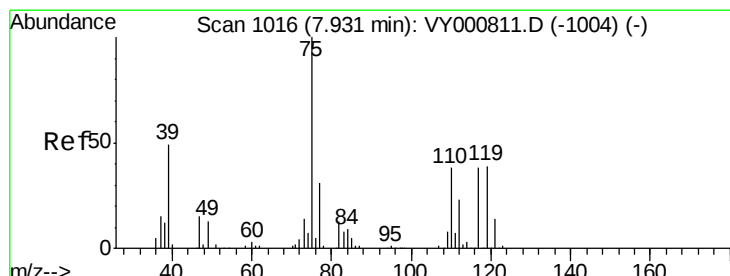
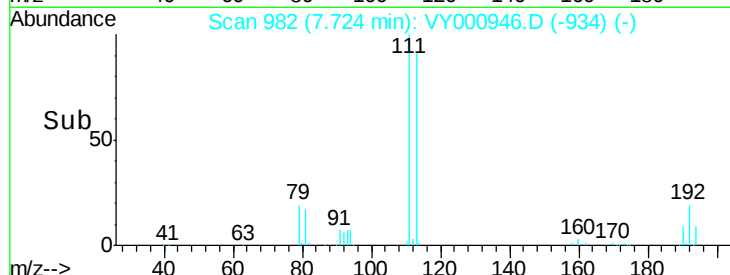
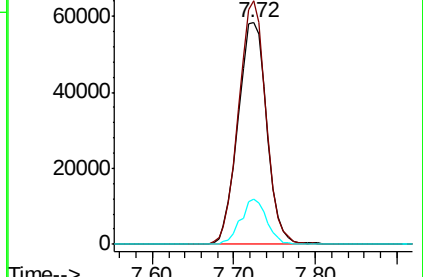
192 18.4 14.2 21.2



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: 4.469 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.14 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

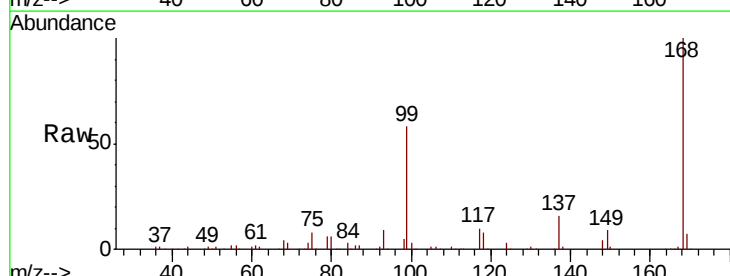
Tgt Ion: 75 Resp: 21546

Ion Ratio Lower Upper

75 100

110 8.7 17.9 53.7#

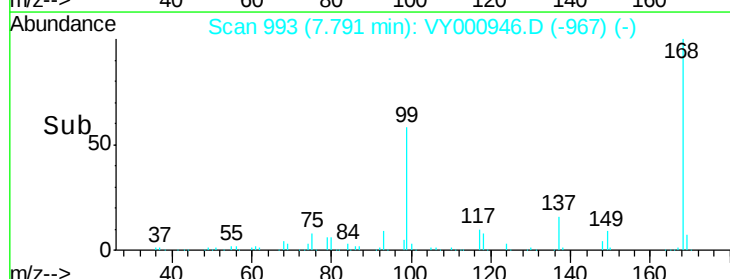
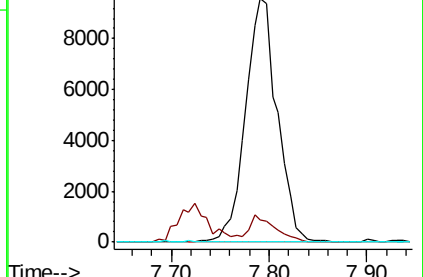
77 0.0 24.7 37.1#

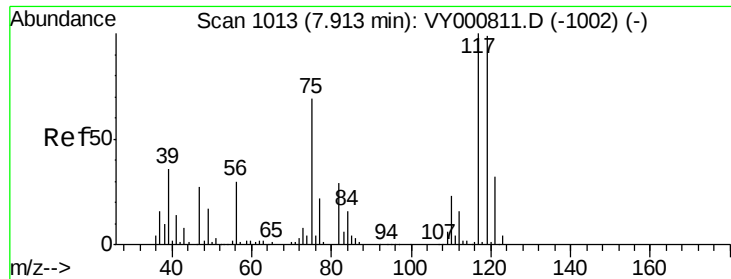


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

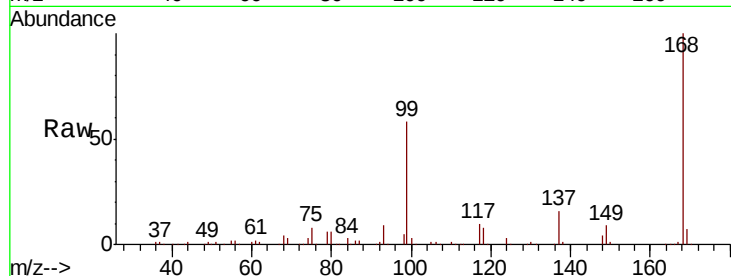




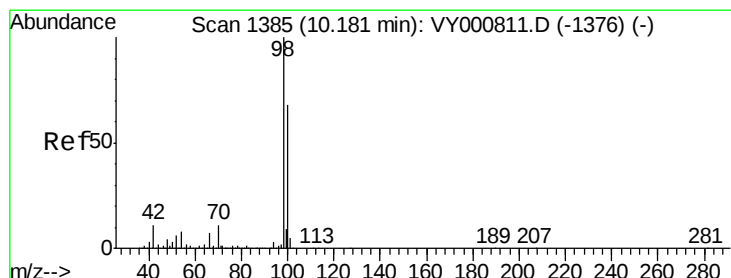
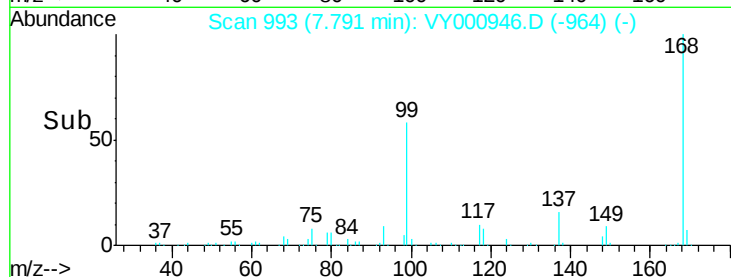
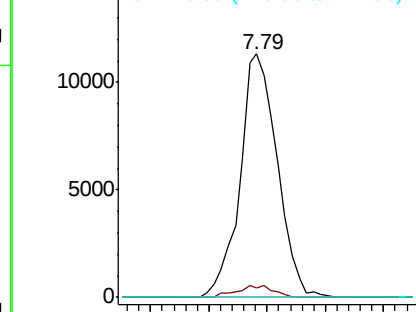
#38
Carbon Tetrachloride
Concen: 5.855 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY000946.D
Acq: 16 Dec 2019 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBL01

Tgt Ion: 117 Resp: 25142
Ion Ratio Lower Upper
117 100
119 4.0 79.3 118.9#
121 0.0 25.5 38.3#

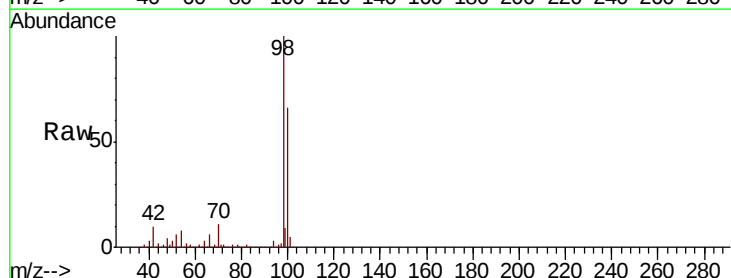


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

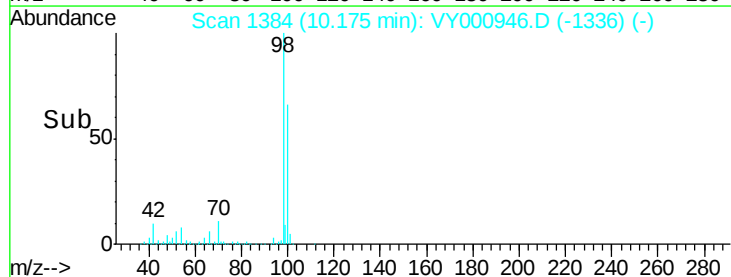
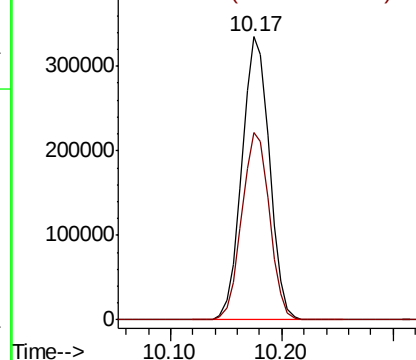


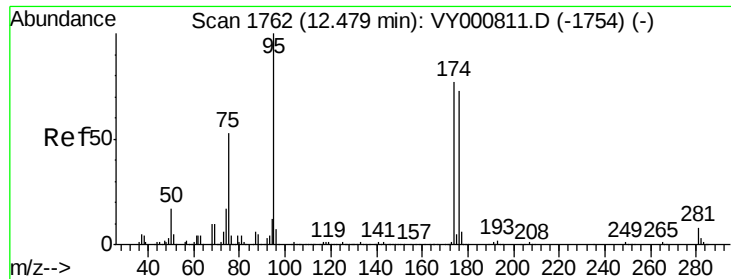
#50
Toluene-d8
Concen: 50.649 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY000946.D
Acq: 16 Dec 2019 11:16

Tgt Ion: 98 Resp: 572271
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



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

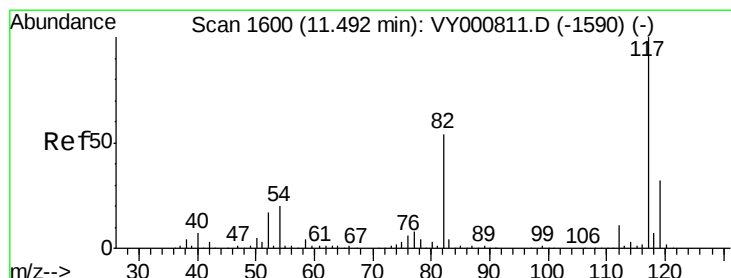
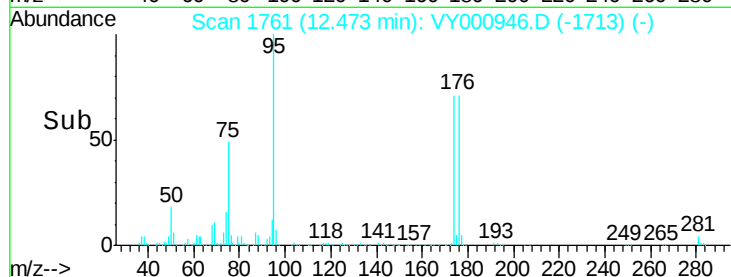
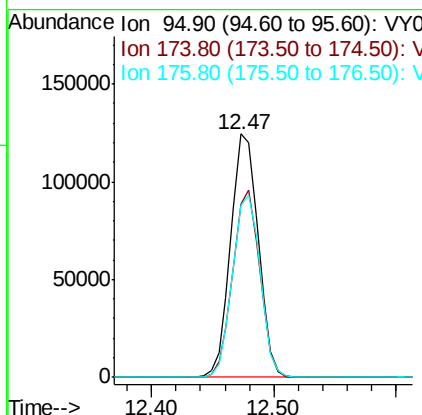
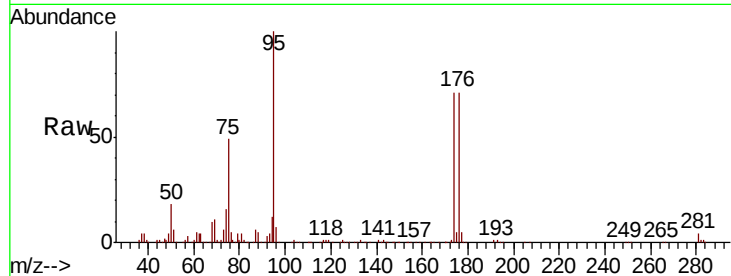




#62
4-Bromofluorobenzene
Concen: 45.546 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY000946.D
Acq: 16 Dec 2019 11:16

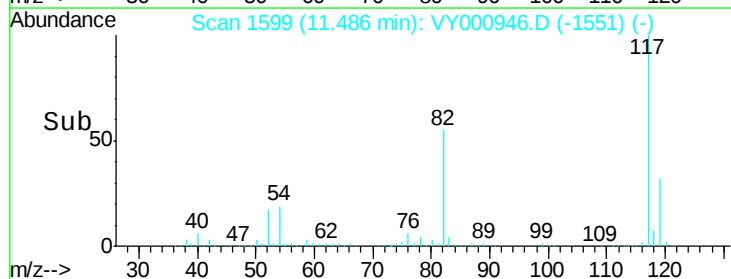
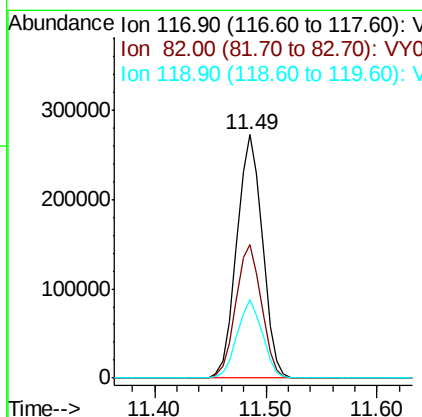
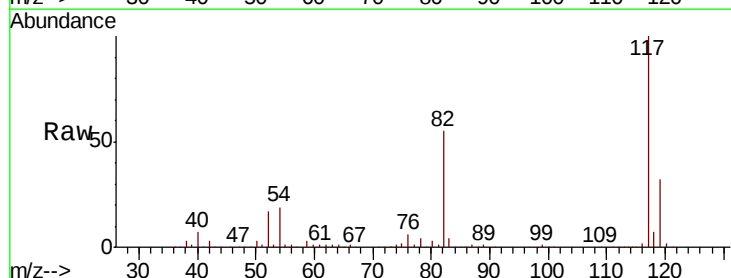
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBL01

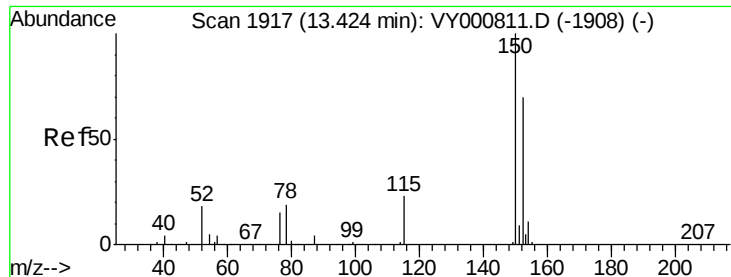
Tgt Ion	Resp	Lower	Upper
95	193264		
174	75.7	0.0	150.6
176	75.2	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000946.D
Acq: 16 Dec 2019 11:16

Tgt Ion	Resp	Lower	Upper
117	434408		
82	54.9	43.1	64.7
119	32.3	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBL01

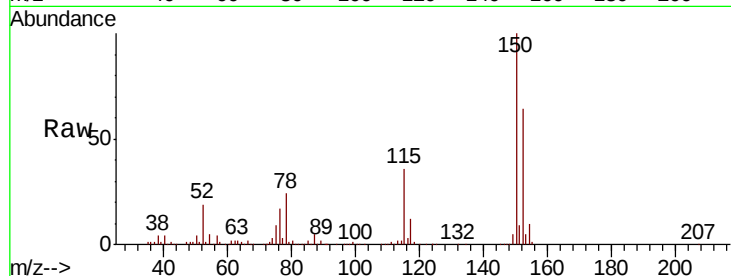
Tgt Ion:152 Resp: 186013

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.8

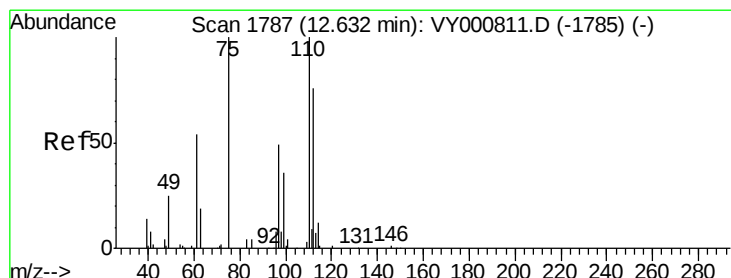
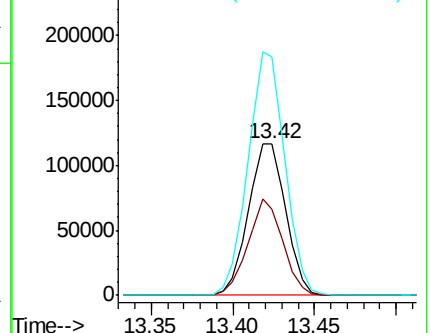
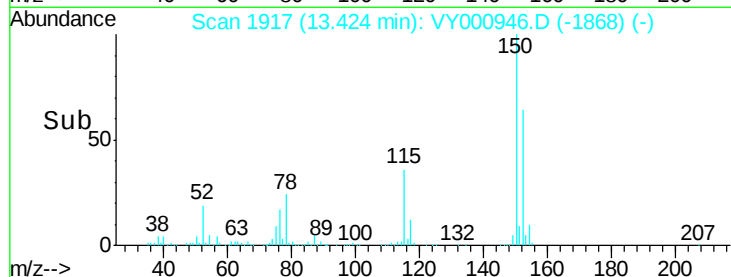
150 158.9 0.0 351.2



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: 44.182 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.16 min

Lab File: VY000946.D

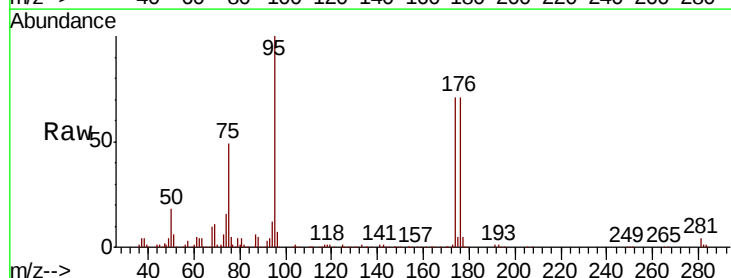
Acq: 16 Dec 2019 11:16

Tgt Ion: 75 Resp: 93113

Ion Ratio Lower Upper

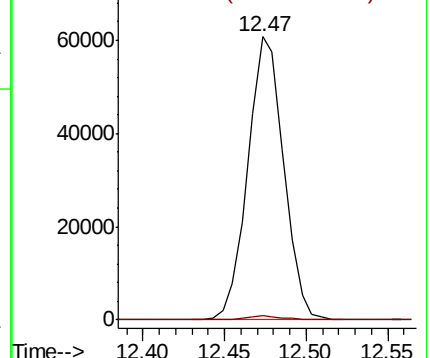
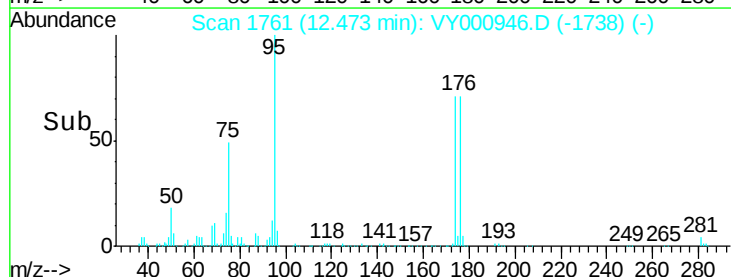
75 100

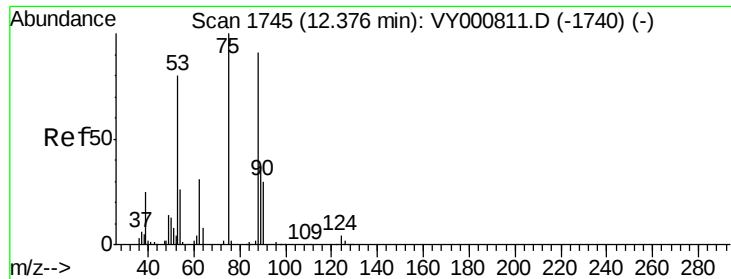
77 1.5 0.0 0.0#



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: 86.785 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000946.D

Acq: 16 Dec 2019 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBL01

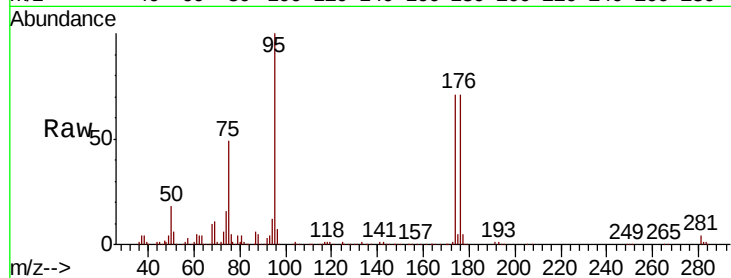
Tgt Ion: 75 Resp: 93113

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.2 33.6 50.4#



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

