

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000963.D
 Acq On : 16 Dec 2019 18:25
 Operator : SY/MD
 Sample : K6318-04
 Misc : 5.77G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 X089-SB-4

Quant Time: Dec 17 06:08:09 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	239135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	448535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	398394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	173879	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	139794	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	7.73	113	128961	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.18	98	534386	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.48	95	173860	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	

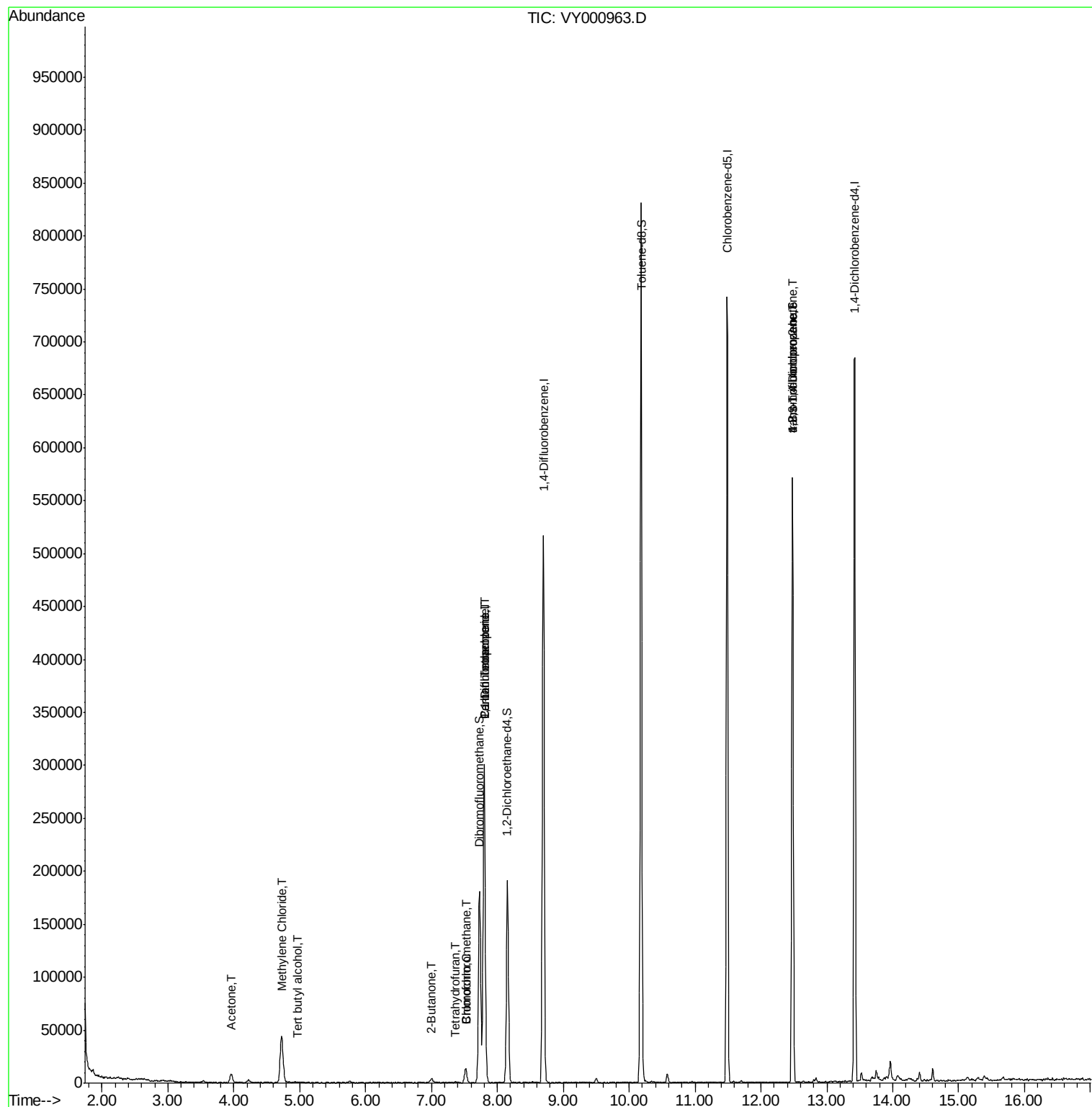
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	226	Below Cal	#	3
11) Tert butyl alcohol	4.97	59	670	2.621	ug/l #	74
16) Acetone	3.96	43	14457	24.802	ug/l	95
20) Methylene Chloride	4.74	84	34353	11.180	ug/l	91
25) 2-Butanone	7.00	43	2101	1.951	ug/l #	85
28) Bromochloromethane	7.52	49	773	2.413	ug/l #	15
29) Tetrahydrofuran	7.36	42	891	1.249	ug/l #	45
30) Chloroform	7.52	83	13002	2.545	ug/l	94
36) 1,1-Dichloropropene	7.80	75	20086	4.504	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23851	6.005	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	88684	45.017	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88684	88.425	ug/l #	17

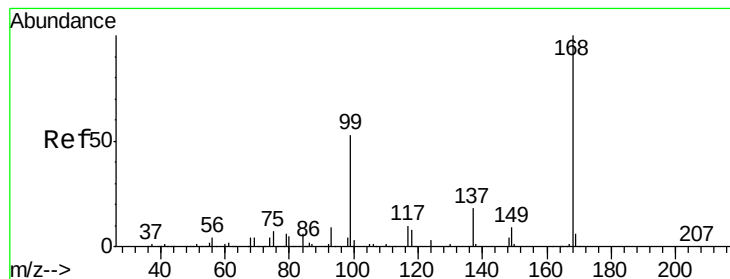
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
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Quant Time: Dec 17 05:29:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

Instrument :

MSVOA_Y

ClientSampleId :

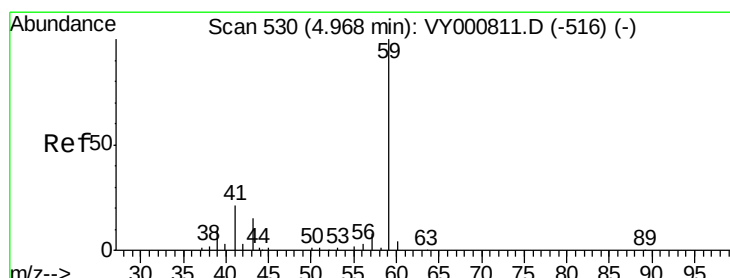
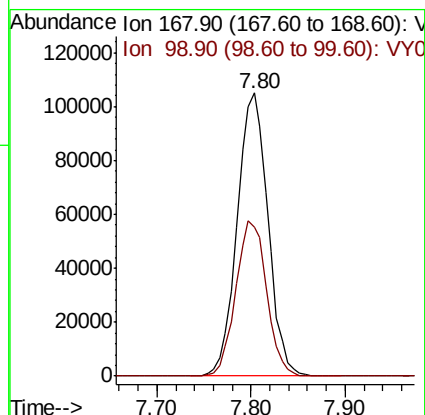
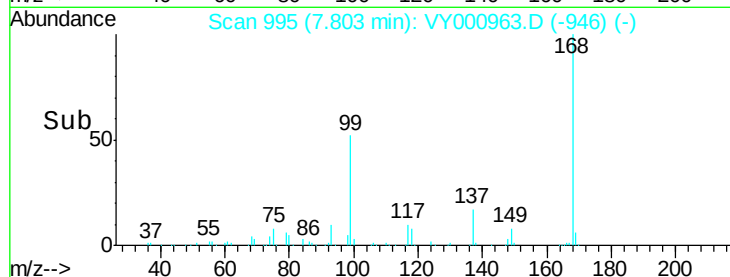
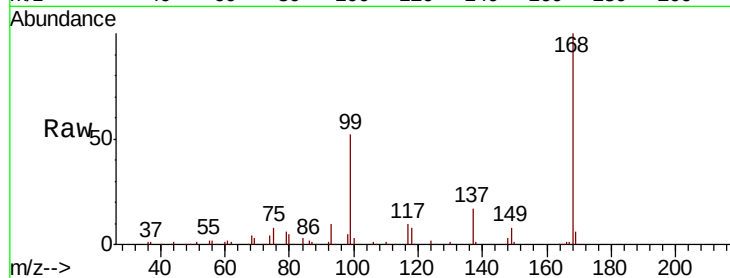
X089-SB-4

Tgt Ion: 168 Resp: 239135

Ion Ratio Lower Upper

168 100

99 52.5 45.0 67.6



#11

Tert butyl alcohol

Concen: 2.621 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000963.D

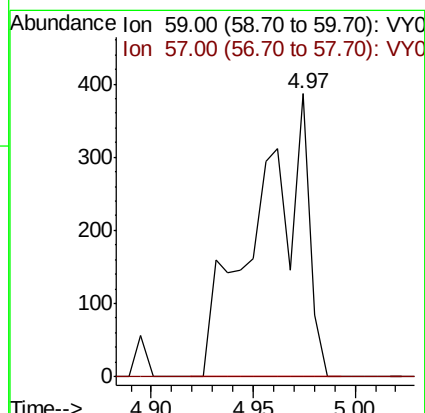
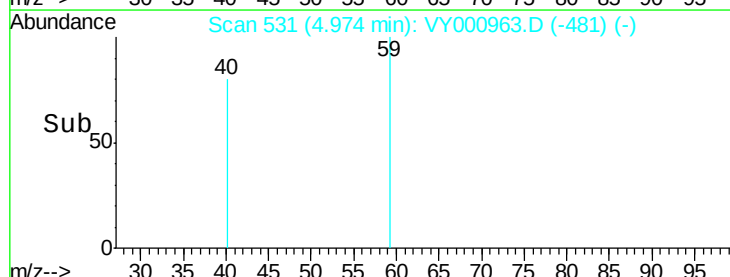
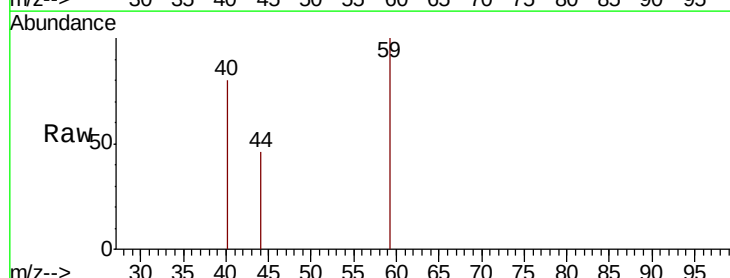
Acq: 16 Dec 2019 18:25

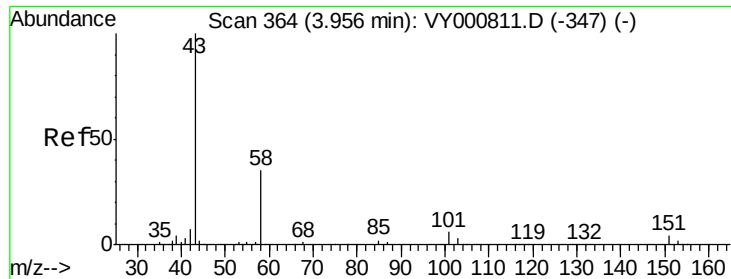
Tgt Ion: 59 Resp: 670

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#16

Acetone

Concen: 24.802 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

Instrument :

MSVOA_Y

ClientSampleId :

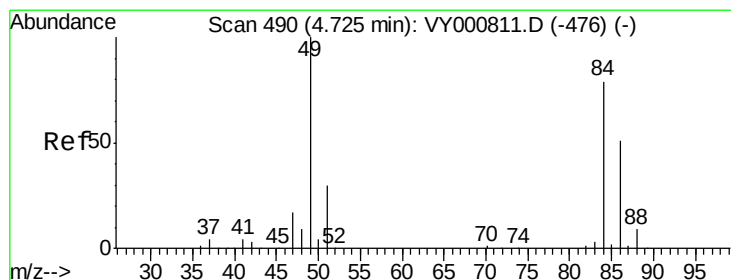
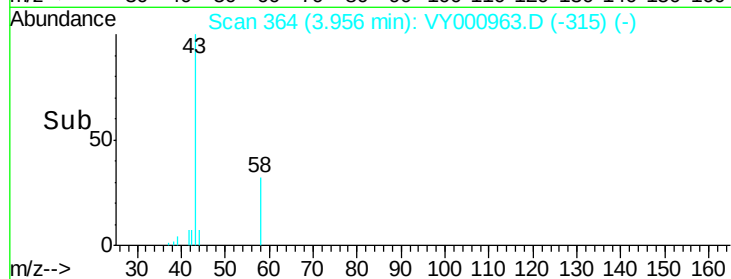
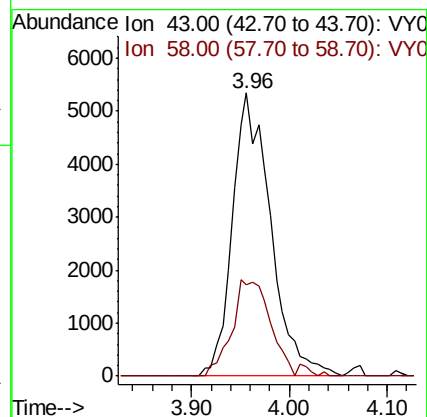
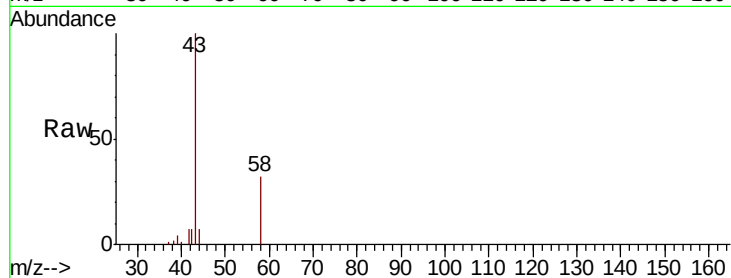
X089-SB-4

Tgt Ion: 43 Resp: 14457

Ion Ratio Lower Upper

43 100

58 32.1 28.0 42.0



#20

Methylene Chloride

Concen: 11.180 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.01 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

Tgt Ion: 84 Resp: 34353

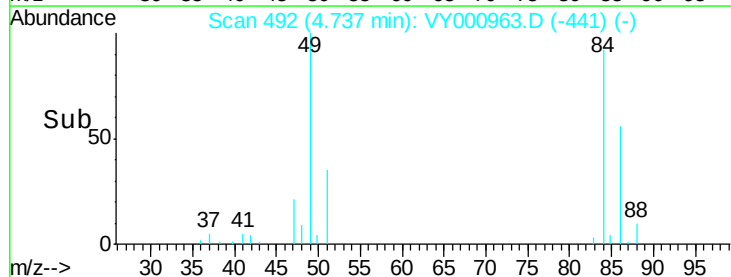
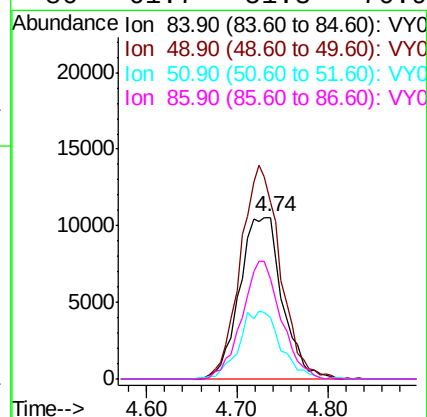
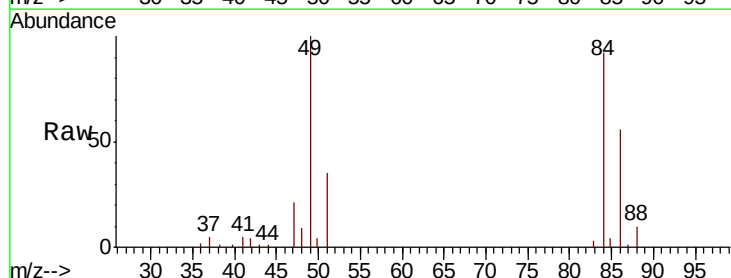
Ion Ratio Lower Upper

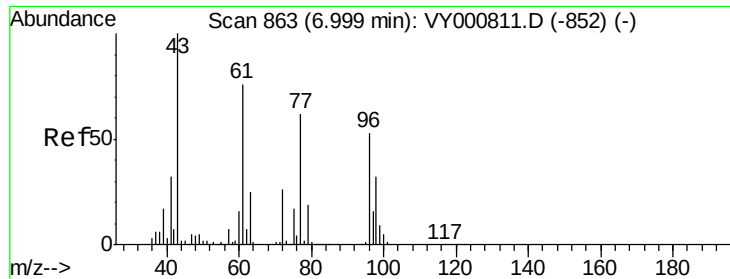
84 100

49 109.2 101.3 151.9

51 37.7 30.6 45.8

86 61.7 51.3 76.9





#25

2-Butanone

Concen: 1.951 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

Instrument :

MSVOA_Y

ClientSampleId :

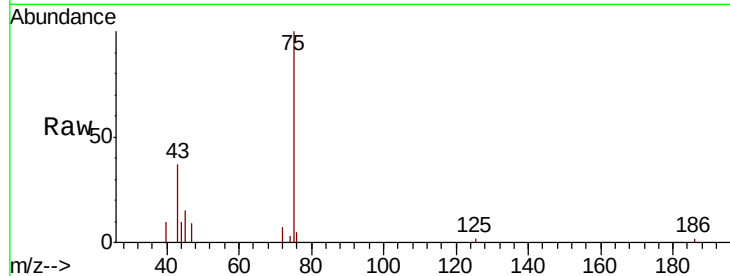
X089-SB-4

Tgt Ion: 43 Resp: 2101

Ion Ratio Lower Upper

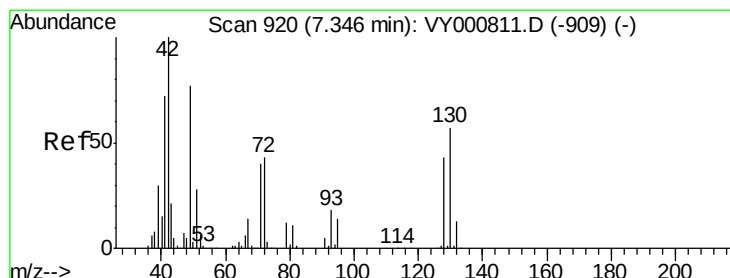
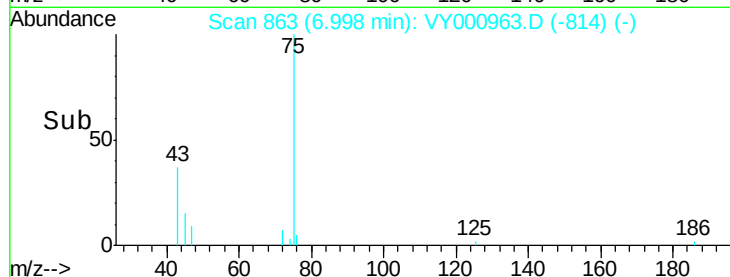
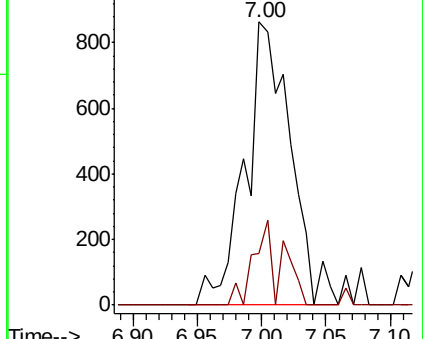
43 100

72 18.3 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#28

Bromochloromethane

Concen: 2.413 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

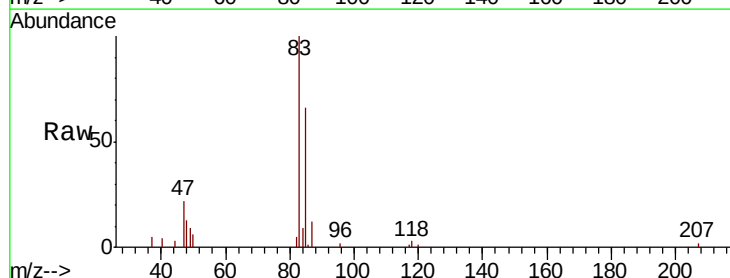
Tgt Ion: 49 Resp: 773

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

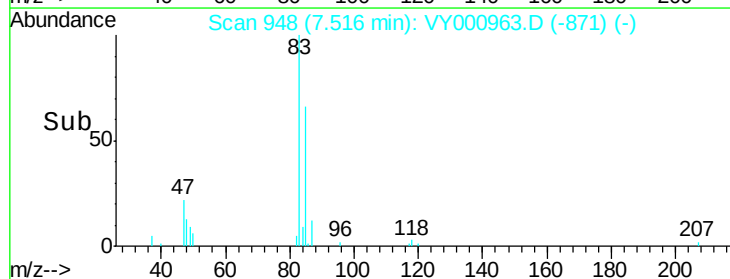
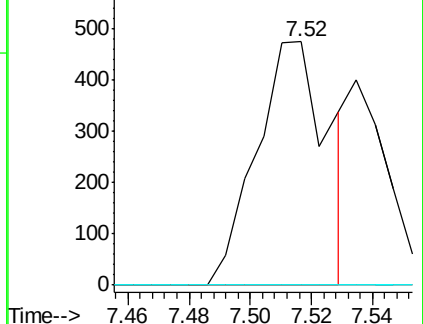
130 0.0 58.7 88.1#

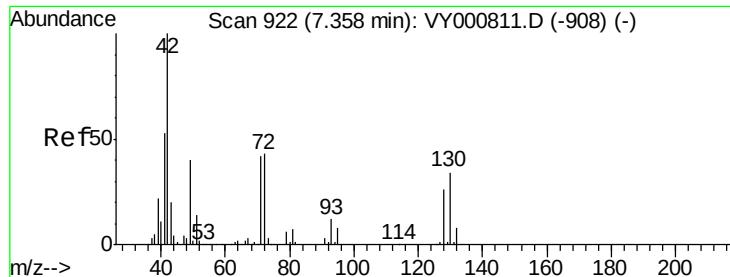


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

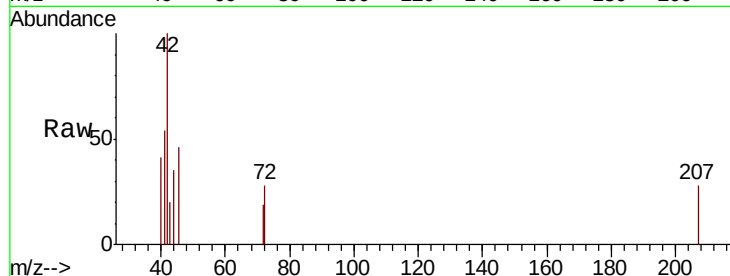




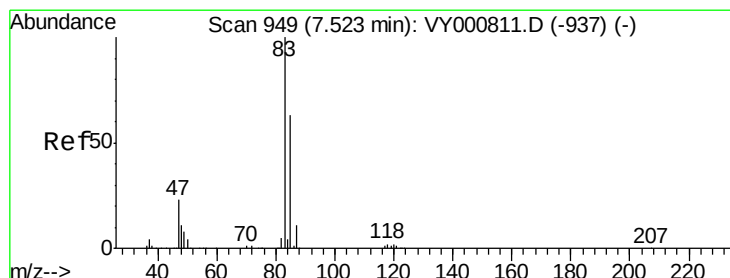
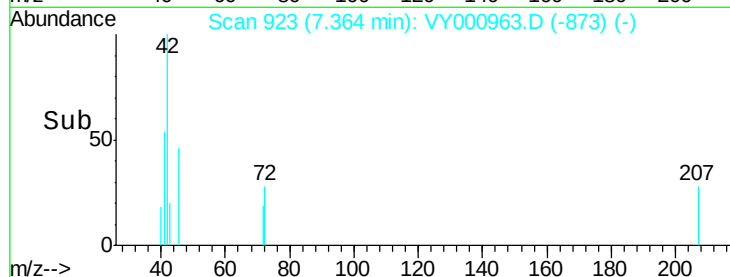
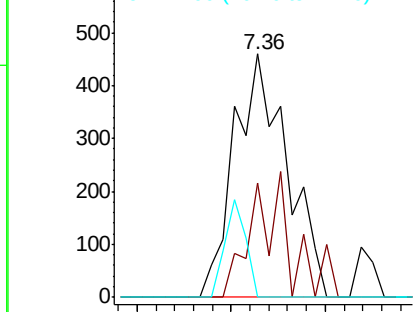
#29
Tetrahydrofuran
Concen: 1.249 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000963.D
Acq: 16 Dec 2019 18:25

Instrument :
MSVOA_Y
ClientSampled :
X089-SB-4

Tgt Ion: 42 Resp: 891
Ion Ratio Lower Upper
42 100
72 0.0 35.1 52.7#
71 15.8 32.8 49.2#

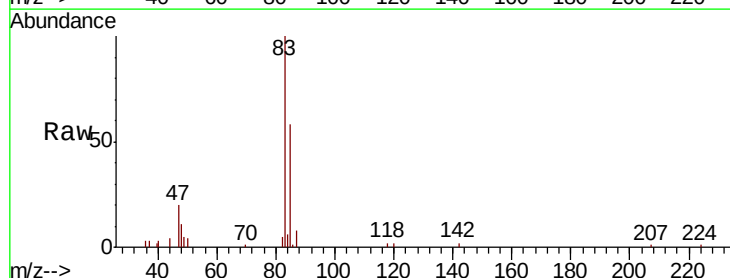


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

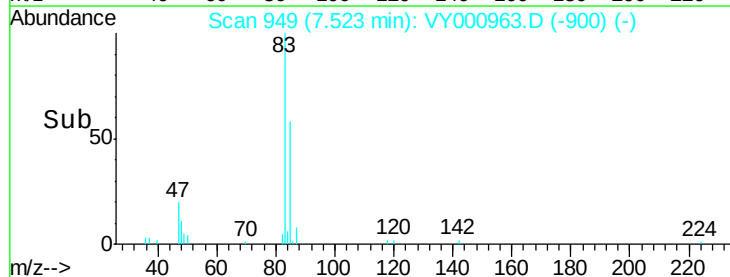
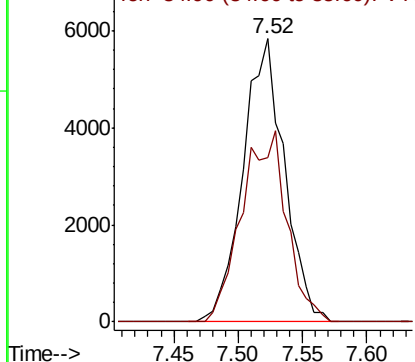


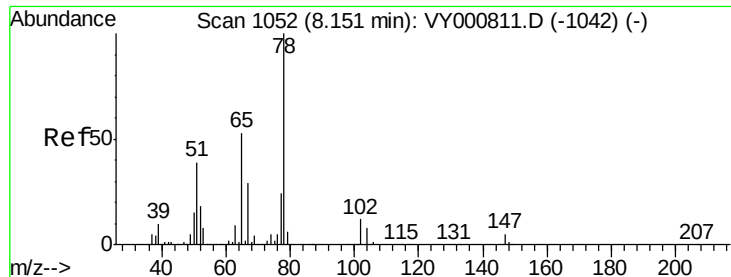
#30
Chloroform
Concen: 2.545 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000963.D
Acq: 16 Dec 2019 18:25

Tgt Ion: 83 Resp: 13002
Ion Ratio Lower Upper
83 100
85 58.1 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0

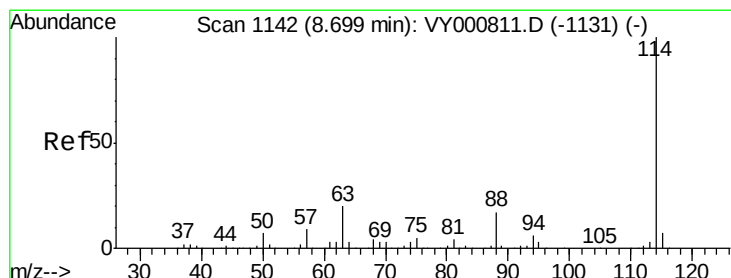
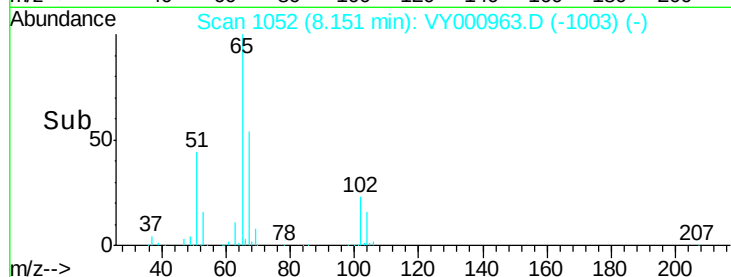
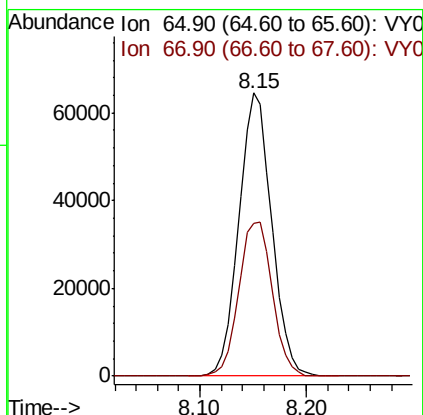
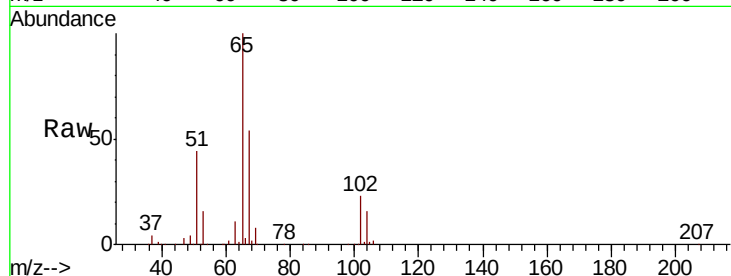




#33
 1,2-Dichloroethane-d4
 Concen: 55.015 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000963.D
 Acq: 16 Dec 2019 18:25

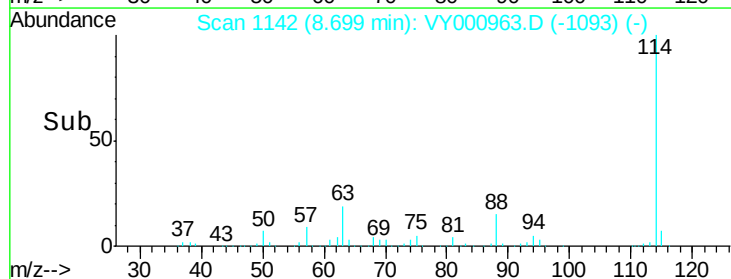
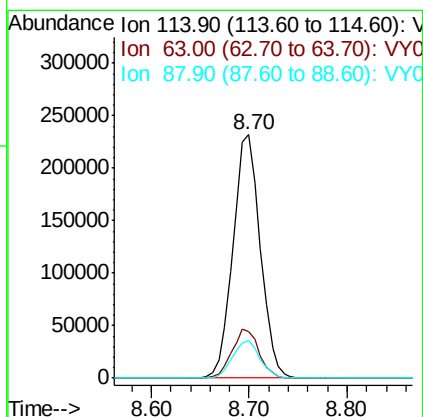
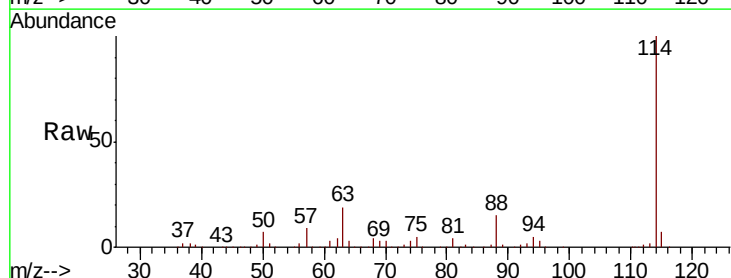
Instrument :
 MSVOA_Y
 ClientSampleId :
 X089-SB-4

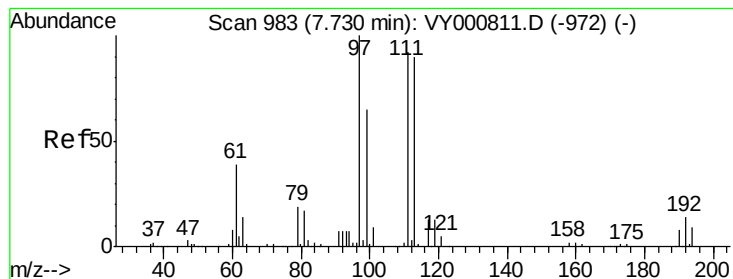
Tgt Ion: 65 Resp: 139794
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000963.D
 Acq: 16 Dec 2019 18:25

Tgt Ion: 114 Resp: 448535
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.8
 88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.334 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

Instrument :

MSVOA_Y

ClientSampleId :

X089-SB-4

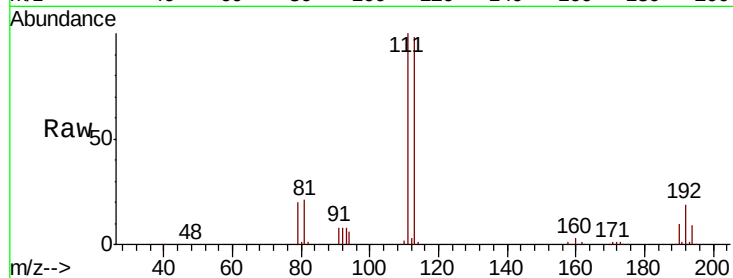
Tgt Ion:113 Resp: 128961

Ion Ratio Lower Upper

113 100

111 104.7 82.4 123.6

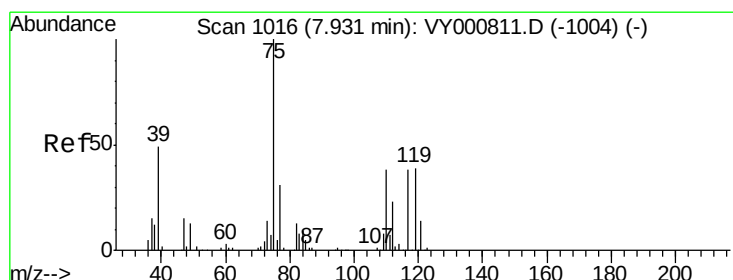
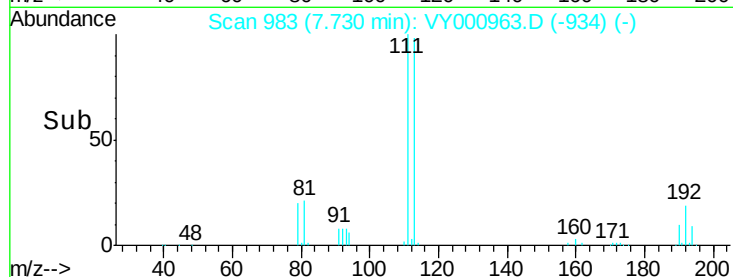
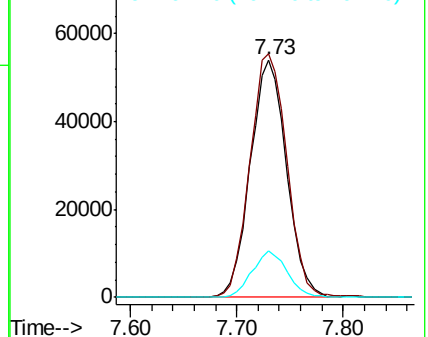
192 18.9 14.2 21.2



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: 4.504 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

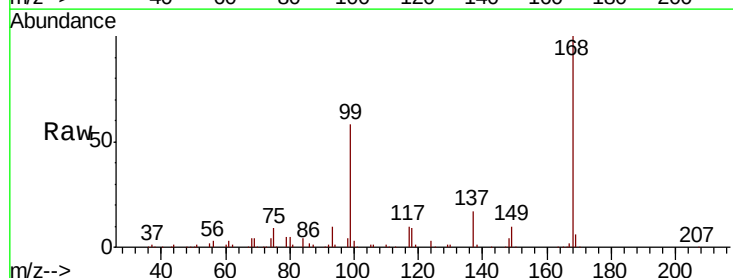
Tgt Ion: 75 Resp: 20086

Ion Ratio Lower Upper

75 100

110 8.0 17.9 53.7#

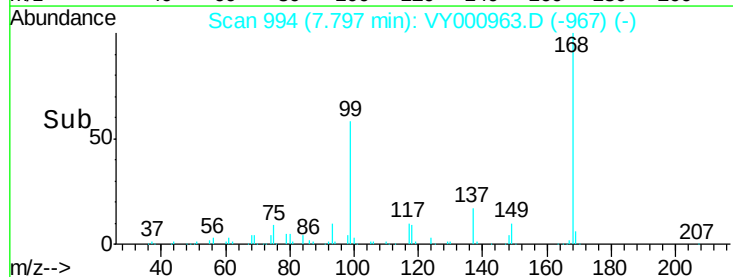
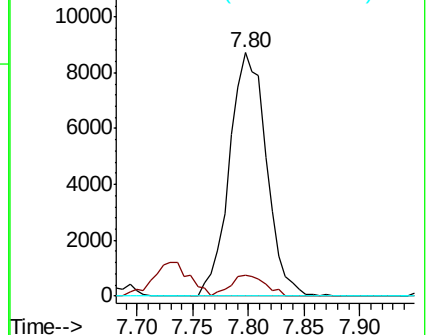
77 0.0 24.7 37.1#

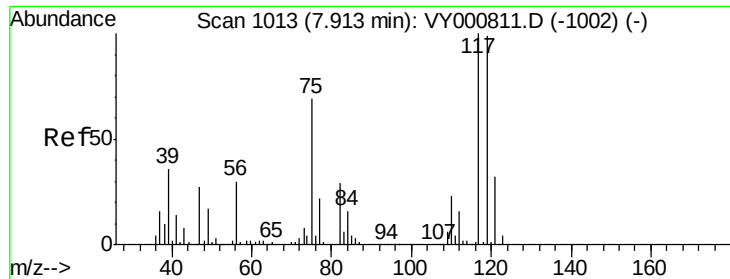


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

Instrument :

MSVOA_Y

ClientSampled :

X089-SB-4

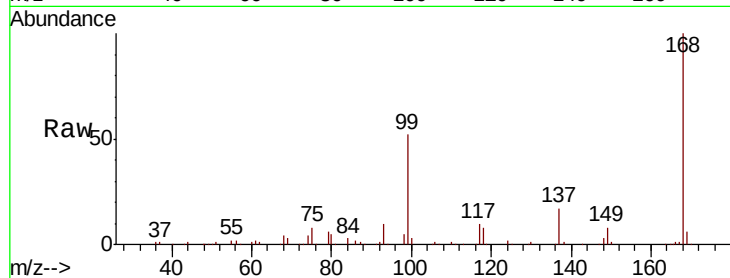
Tgt Ion: 117 Resp: 23851

Ion Ratio Lower Upper

117 100

119 4.4 79.3 118.9#

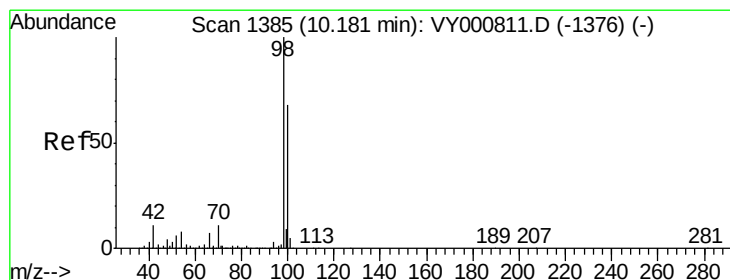
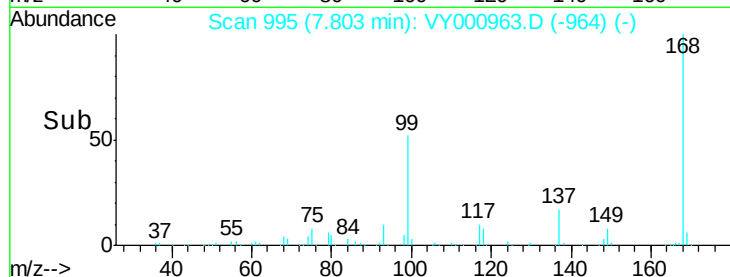
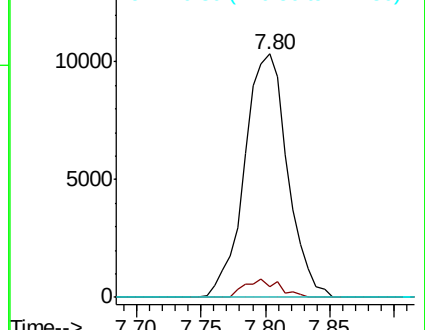
121 0.0 25.5 38.3#



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: 51.133 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000963.D

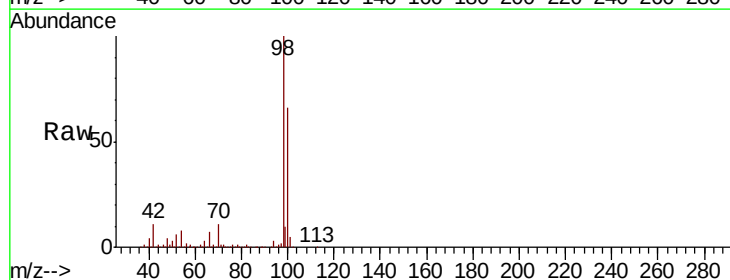
Acq: 16 Dec 2019 18:25

Tgt Ion: 98 Resp: 534386

Ion Ratio Lower Upper

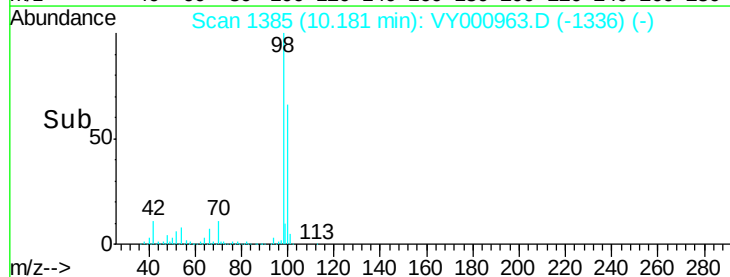
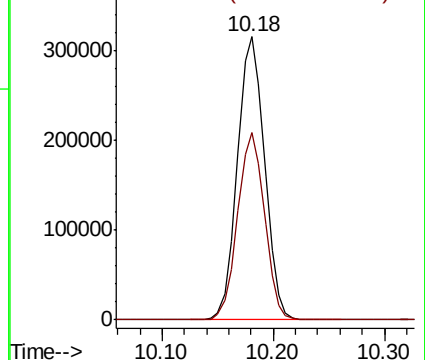
98 100

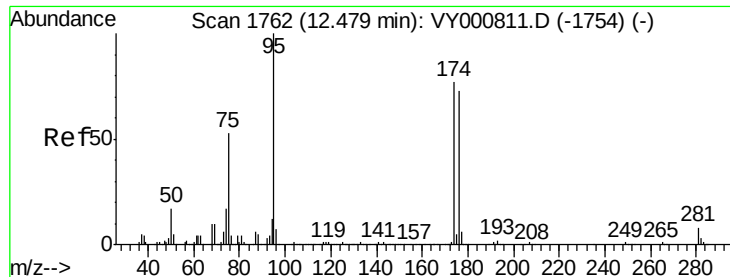
100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

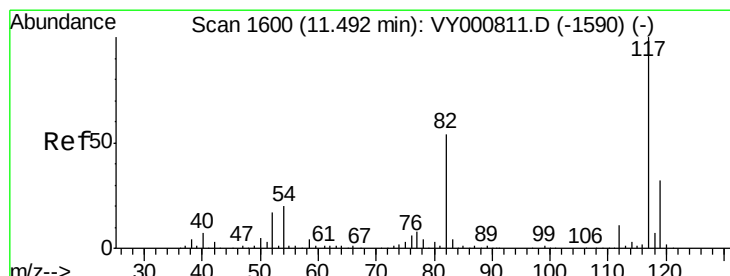
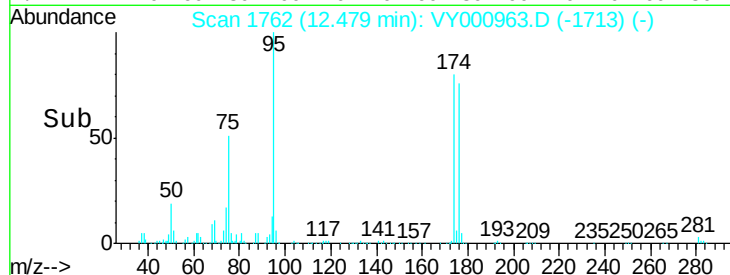
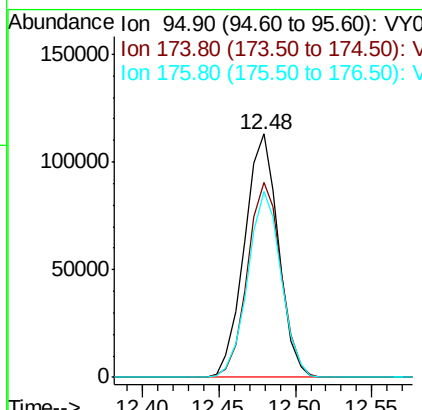
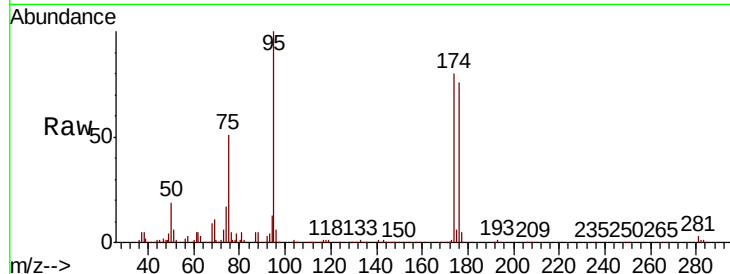




#62
4-Bromofluorobenzene
Concen: 44.297 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000963.D
Acq: 16 Dec 2019 18:25

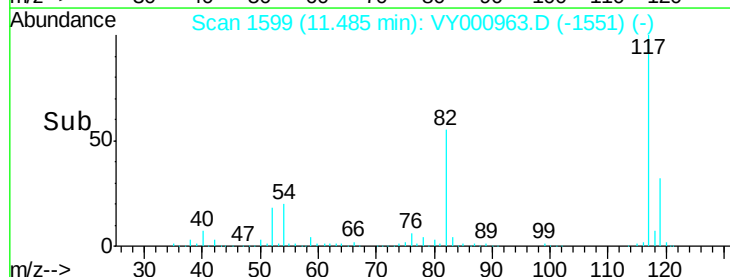
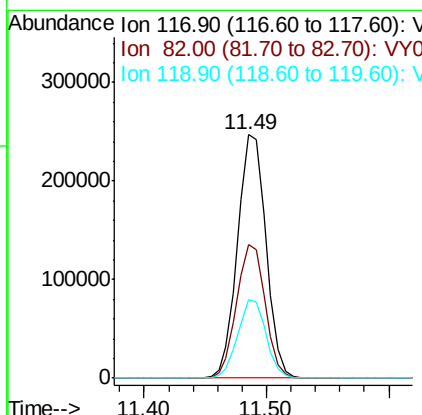
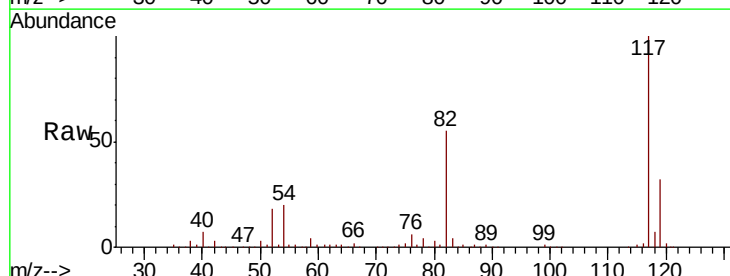
Instrument :
MSVOA_Y
ClientSampleId :
X089-SB-4

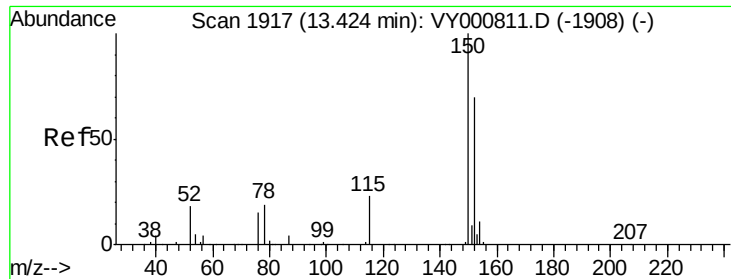
Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.7	0.0	150.6
176	75.2	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000963.D
Acq: 16 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	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: VY000963.D

Acq: 16 Dec 2019 18:25

Instrument :

MSVOA_Y

ClientSampleId :

X089-SB-4

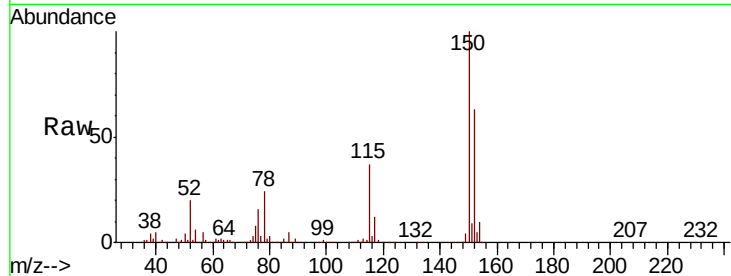
Tgt Ion: 152 Resp: 173879

Ion Ratio Lower Upper

152 100

115 59.7 29.3 87.8

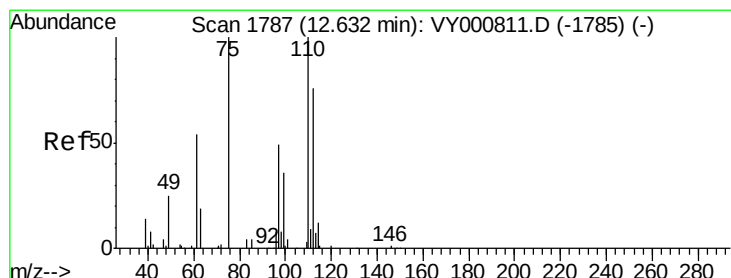
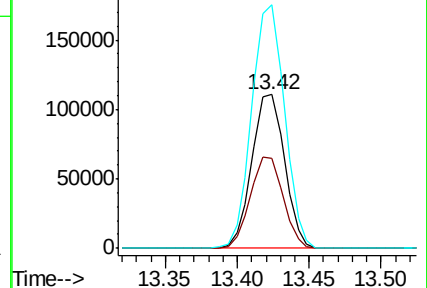
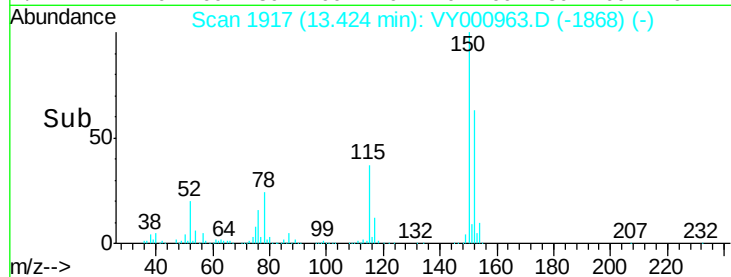
150 158.6 0.0 351.2



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: 45.017 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000963.D

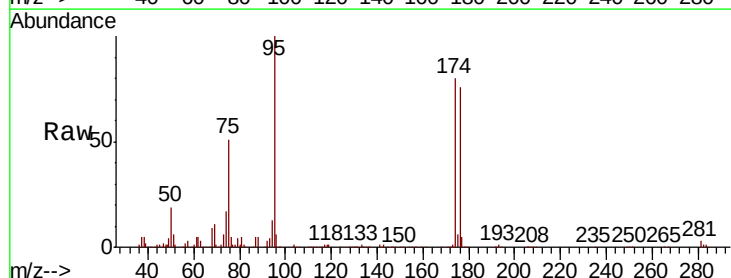
Acq: 16 Dec 2019 18:25

Tgt Ion: 75 Resp: 88684

Ion Ratio Lower Upper

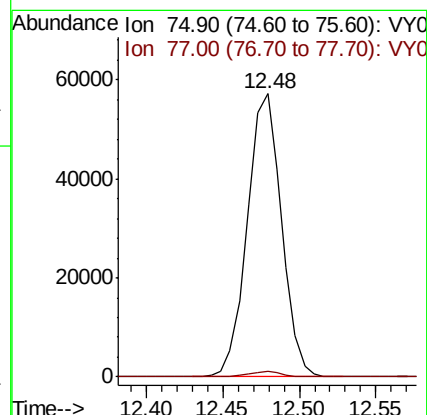
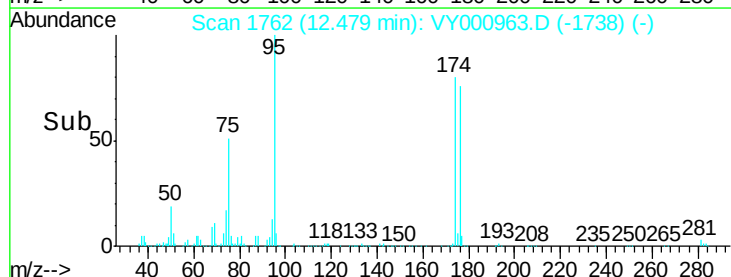
75 100

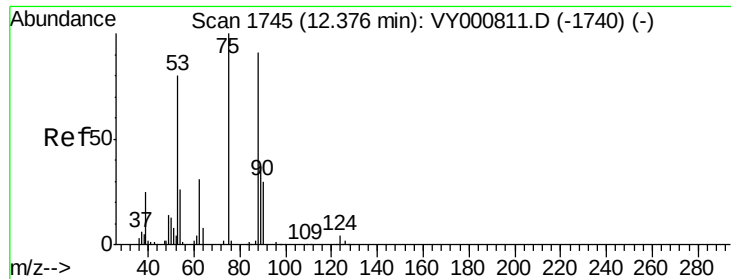
77 1.7 0.0 0.0#



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: 88.425 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000963.D

Acq: 16 Dec 2019 18:25

Instrument :

MSVOA_Y

ClientSampleId :

X089-SB-4

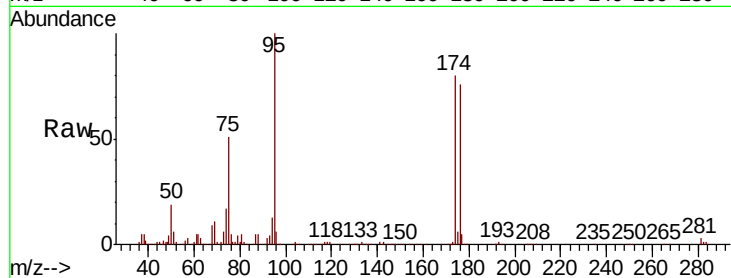
Tgt Ion: 75 Resp: 88684

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 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

