

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122419\
 Data File : VY001048.D
 Acq On : 24 Dec 2019 15:17
 Operator : SY/MD
 Sample : K6413-05
 Misc : 7.25G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K005-AA-SB5

Quant Time: Dec 25 01:38:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	247735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	456415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	409930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	171634	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	137583	56.31	ug/l	0.00
Spiked Amount			Recovery	=	112.62%	
35) Dibromofluoromethane	7.73	113	133060	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	10.18	98	545050	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.48	95	178211	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

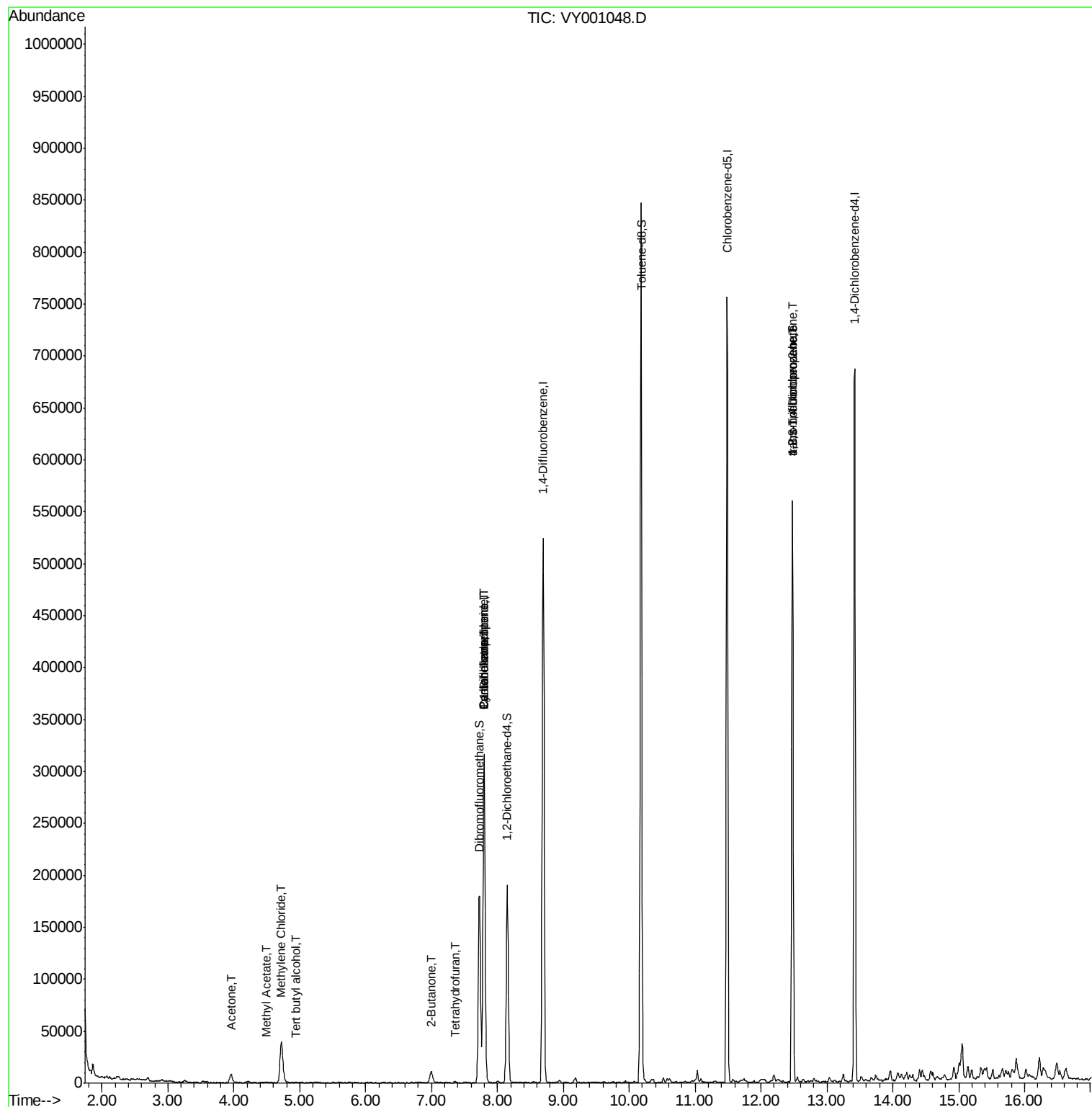
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	342	1.273	ug/l #	74
16) Acetone	3.95	43	15054	26.744	ug/l #	76
18) Methyl Acetate	4.50	43	2239	1.037	ug/l #	76
20) Methylene Chloride	4.72	84	30341	9.158	ug/l	92
25) 2-Butanone	7.00	43	3830	3.873	ug/l #	80
29) Tetrahydrofuran	7.36	42	964	1.371	ug/l #	78
31) Cyclohexane	7.79	56	5554	1.023	ug/l #	7
36) 1,1-Dichloropropene	7.80	75	18751	4.306	ug/l #	50
38) Carbon Tetrachloride	7.80	117	24131	6.325	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	88343	41.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88343	89.047	ug/l #	19

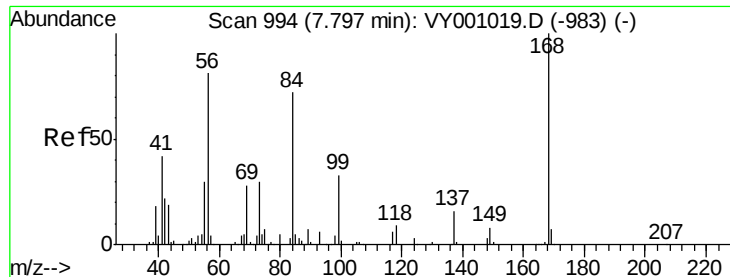
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122419\
Data File : VY001048.D
Acq On : 24 Dec 2019 15:17
Operator : SY/MD
Sample : K6413-05
Misc : 7.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
K005-AA-SB5

Quant Time: Dec 25 01:38:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

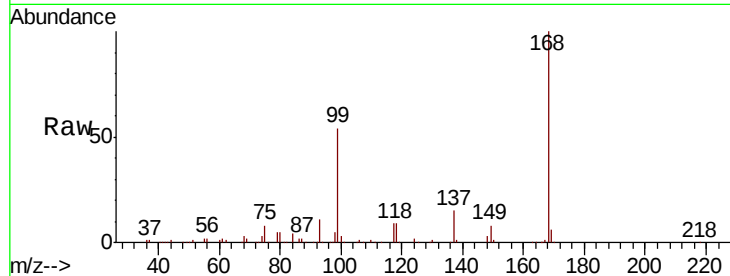
K005-AA-SB5

Tgt Ion:168 Resp: 247735

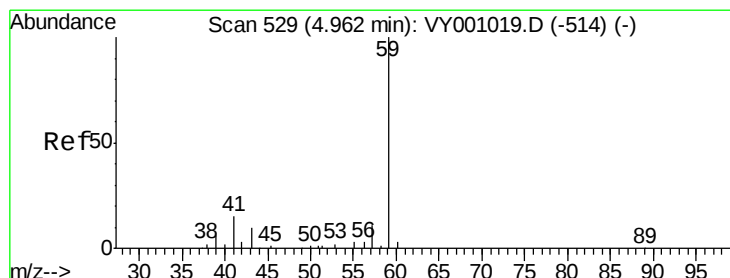
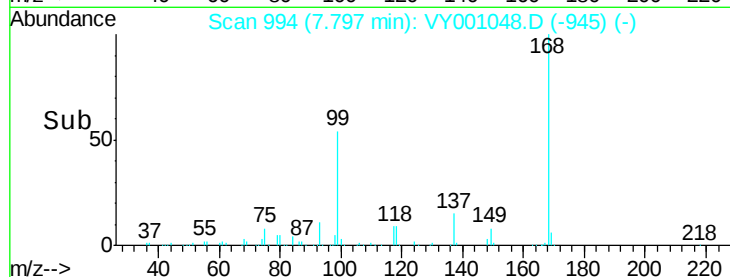
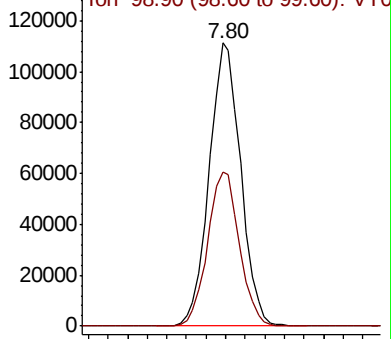
Ion Ratio Lower Upper

168 100

99 54.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)



#11

Tert butyl alcohol

Concen: 1.273 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY001048.D

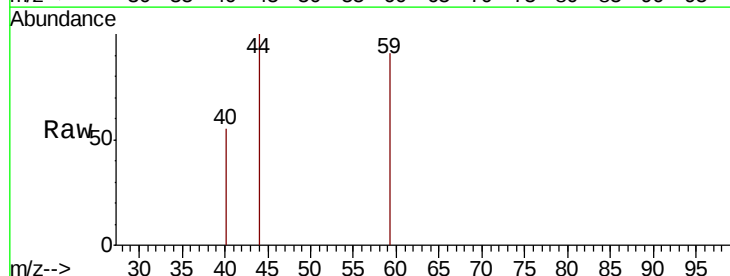
Acq: 24 Dec 2019 15:17

Tgt Ion: 59 Resp: 342

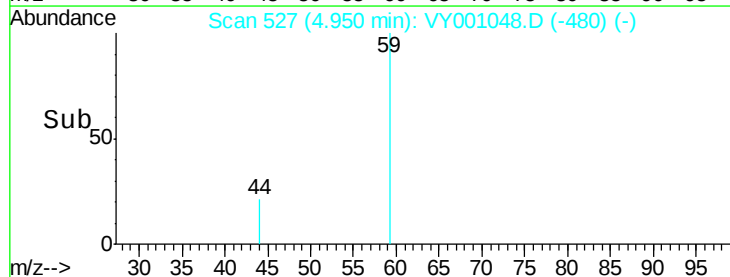
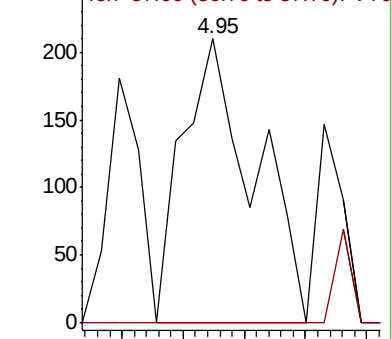
Ion Ratio Lower Upper

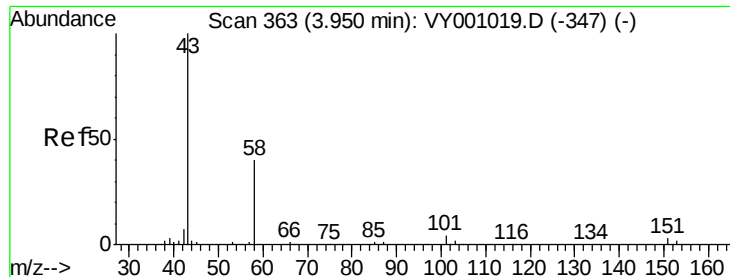
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001019.D (-514) (-)





#16

Acetone

Concen: 26.744 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

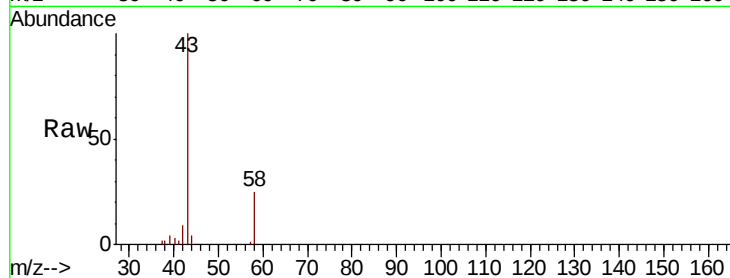
K005-AA-SB5

Tgt Ion: 43 Resp: 15054

Ion Ratio Lower Upper

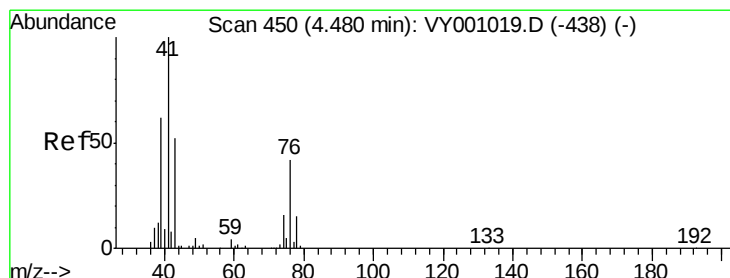
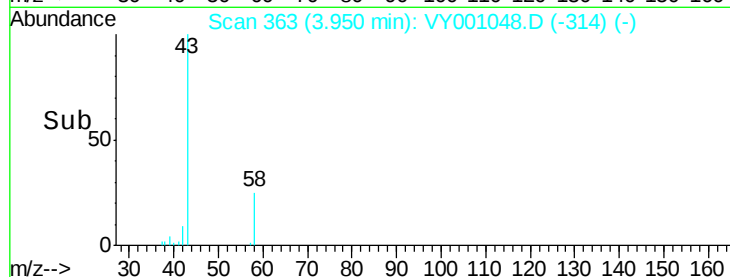
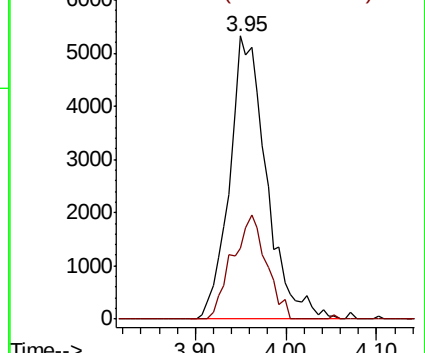
43 100

58 25.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.037 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.02 min

Lab File: VY001048.D

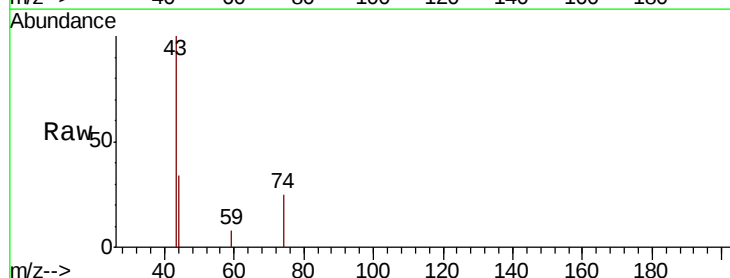
Acq: 24 Dec 2019 15:17

Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

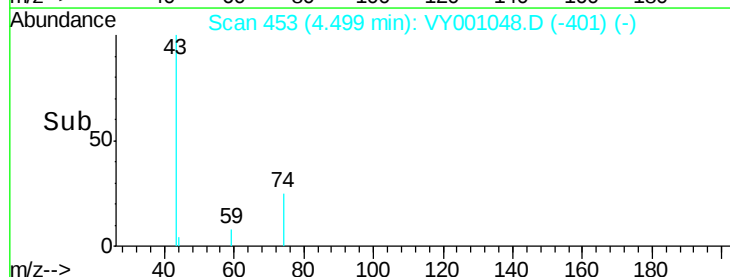
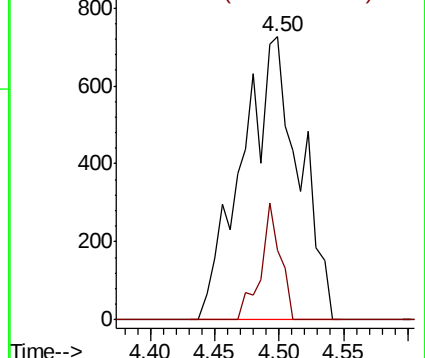
43 100

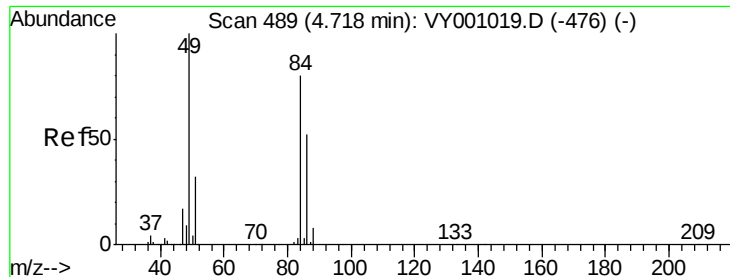
74 13.8 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

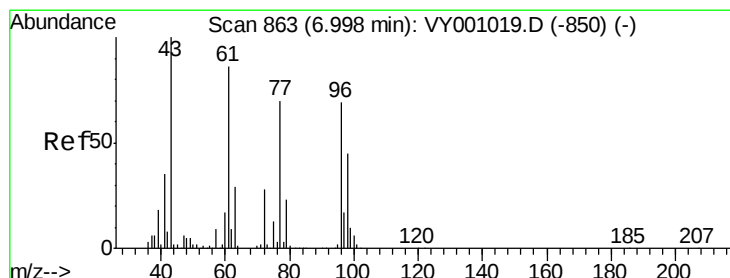
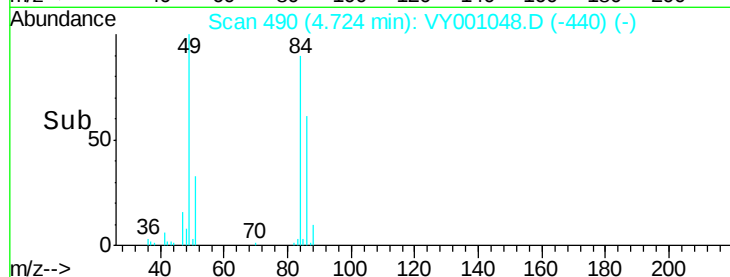
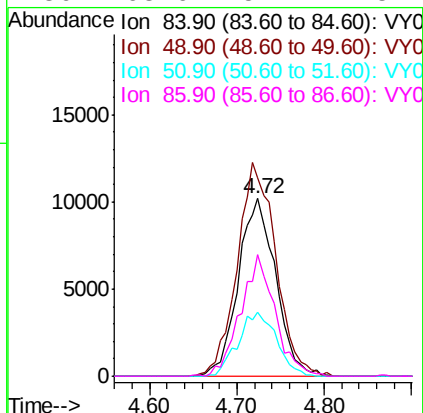
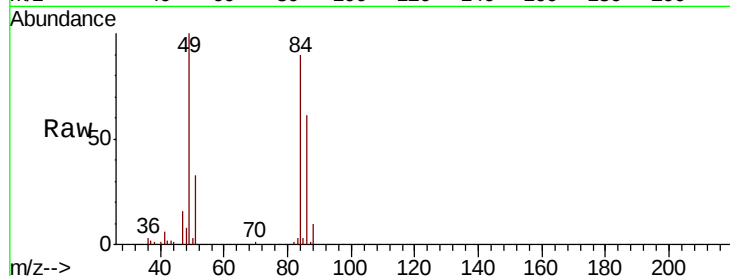




#20
Methylene Chloride
Concen: 9.158 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001048.D
Acq: 24 Dec 2019 15:17

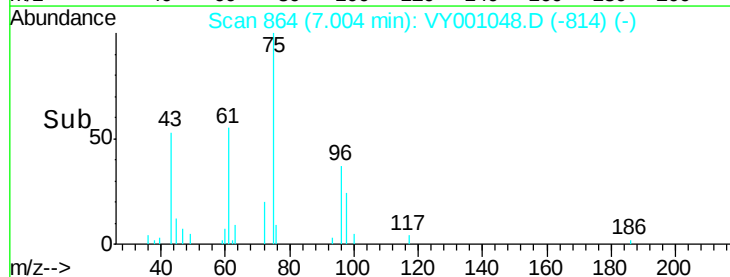
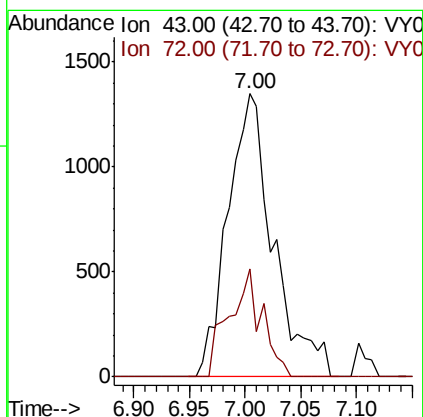
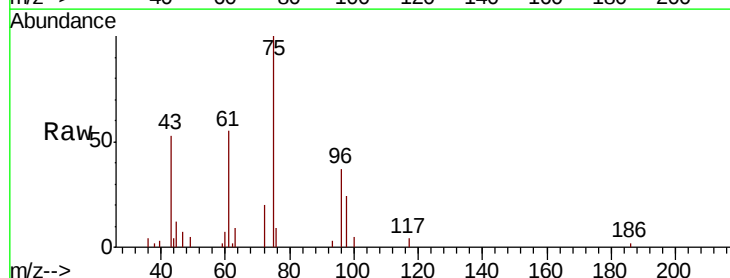
Instrument :
MSVOA_Y
ClientSampleId :
K005-AA-SB5

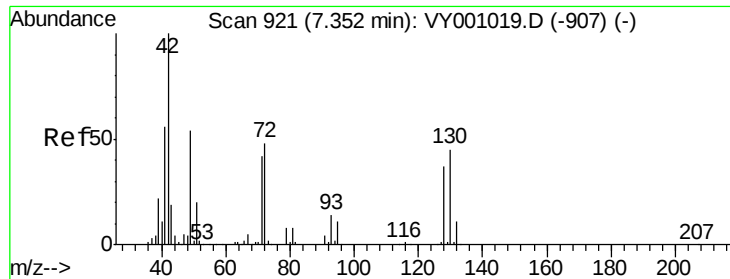
Tgt Ion: 84 Resp: 30341
Ion Ratio Lower Upper
84 100
49 111.7 99.8 149.6
51 36.3 31.4 47.2
86 68.6 52.2 78.2



#25
2-Butanone
Concen: 3.873 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001048.D
Acq: 24 Dec 2019 15:17

Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
72 38.4 22.4 33.6#

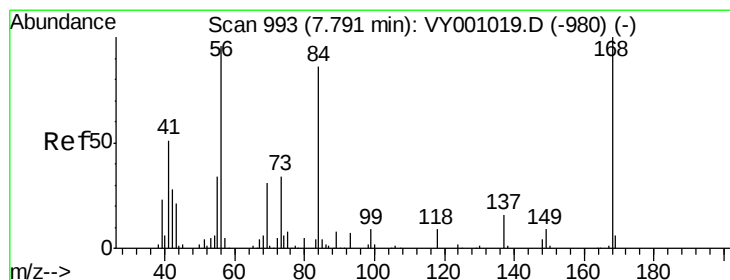
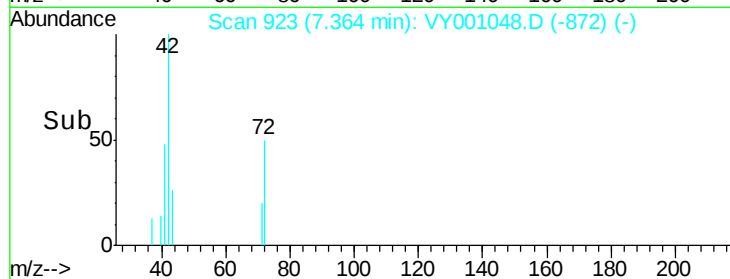
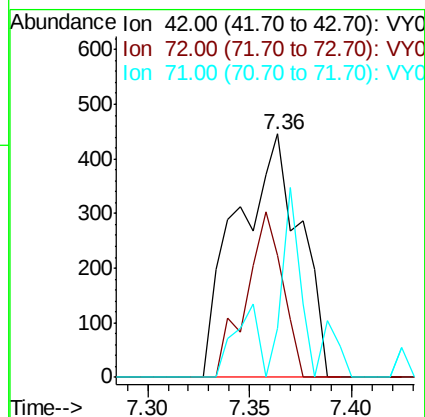
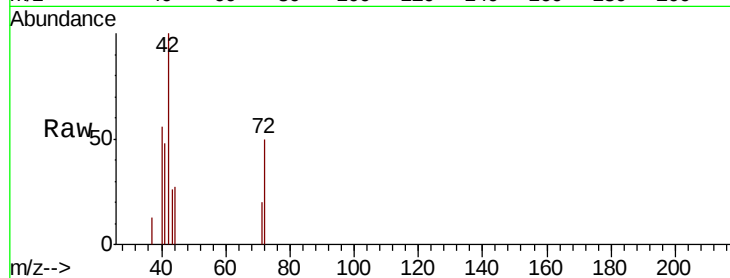




#29
Tetrahydrofuran
Concen: 1.371 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001048.D
Acq: 24 Dec 2019 15:17

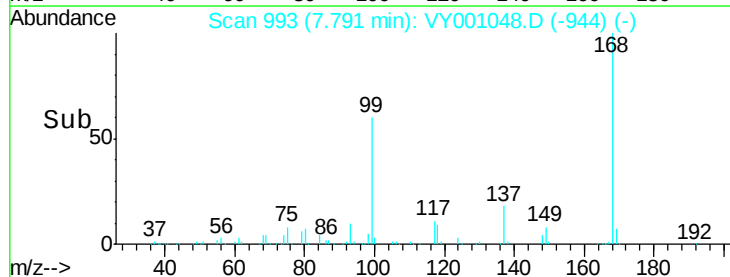
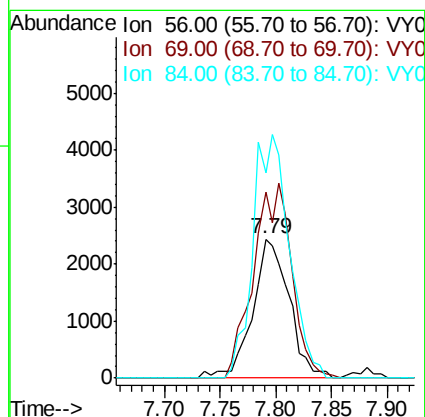
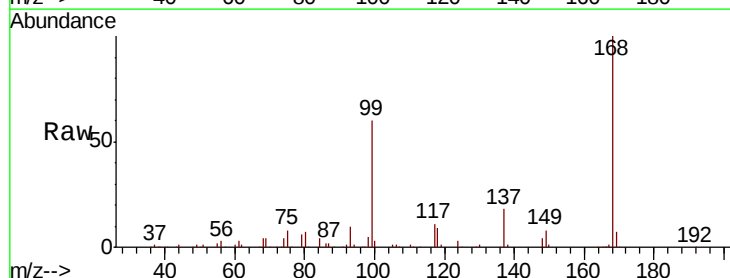
Instrument :
MSVOA_Y
ClientSampleId :
K005-AA-SB5

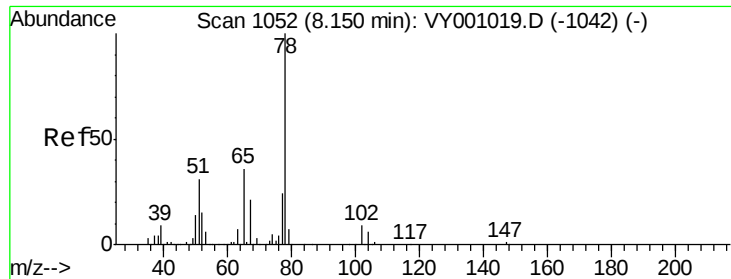
Tgt Ion: 42 Resp: 964
Ion Ratio Lower Upper
42 100
72 39.1 37.7 56.5
71 21.8 34.6 51.8#



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001048.D
Acq: 24 Dec 2019 15:17

Tgt Ion: 56 Resp: 5554
Ion Ratio Lower Upper
56 100
69 133.6 26.1 39.1#
84 148.1 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 56.309 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

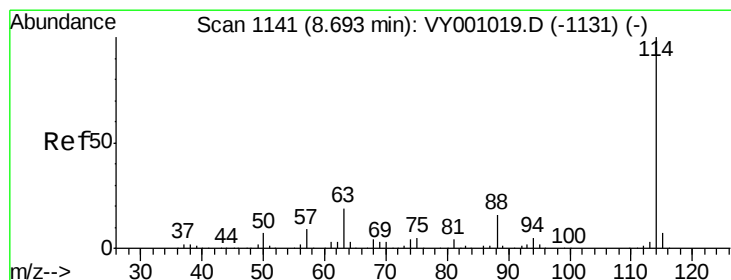
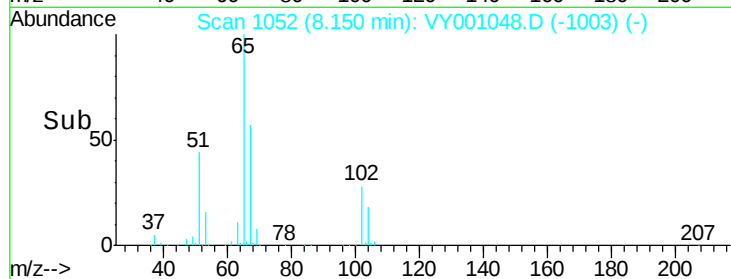
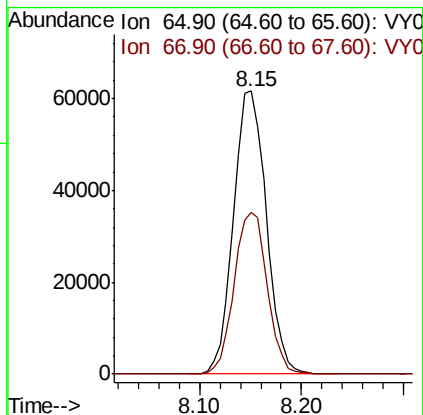
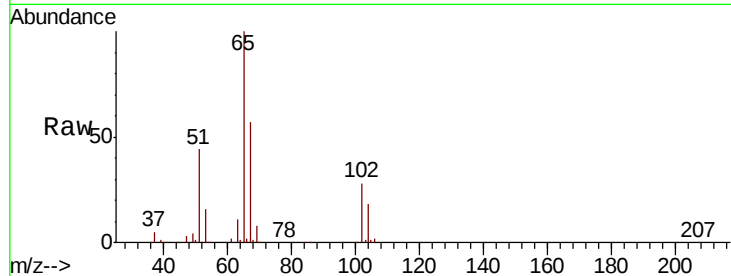
K005-AA-SB5

Tgt Ion: 65 Resp: 137583

Ion Ratio Lower Upper

65 100

67 57.4 0.0 112.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

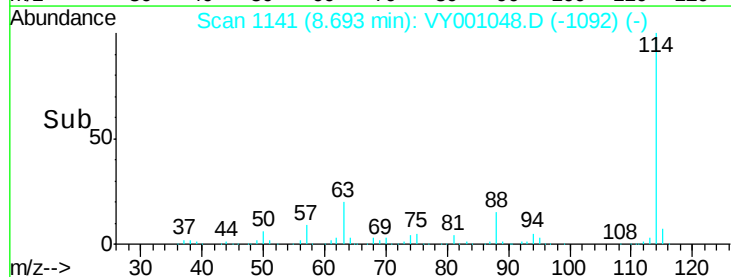
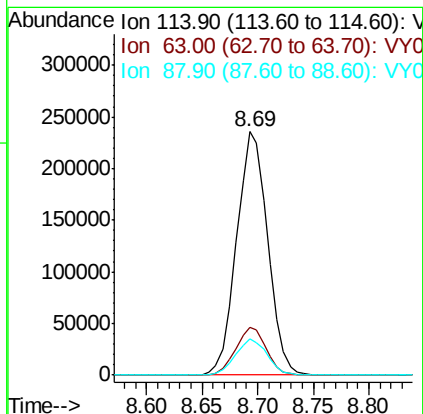
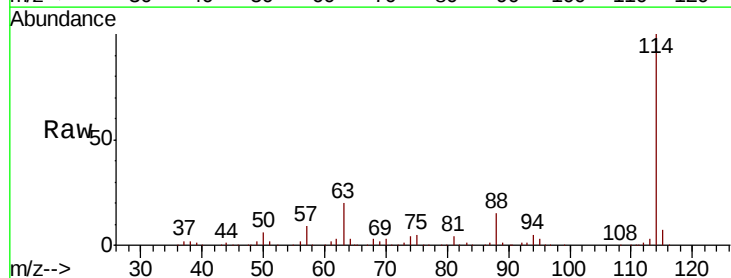
Tgt Ion: 114 Resp: 456415

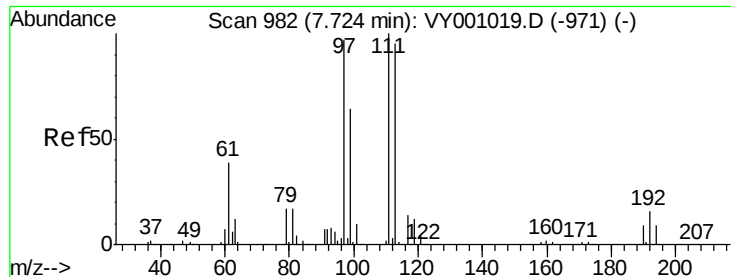
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.0

88 14.7 0.0 32.0

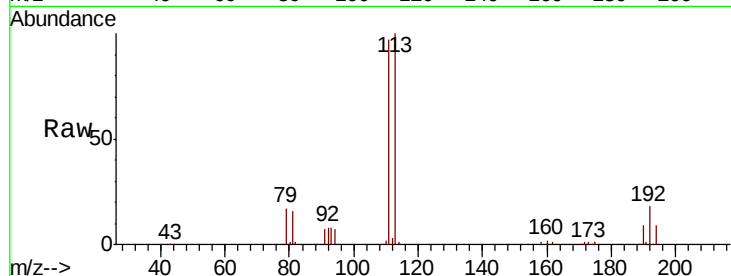




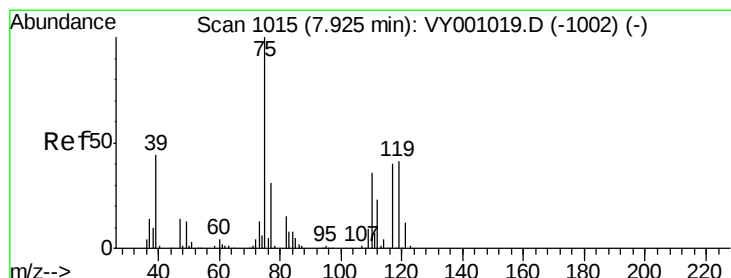
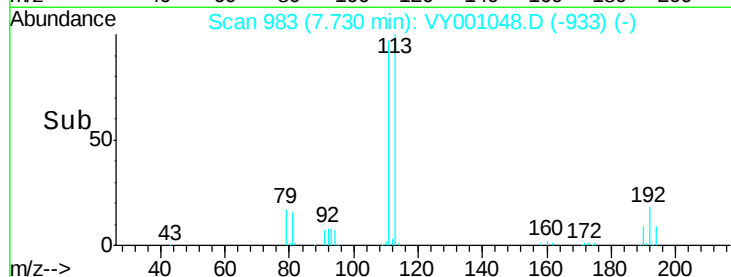
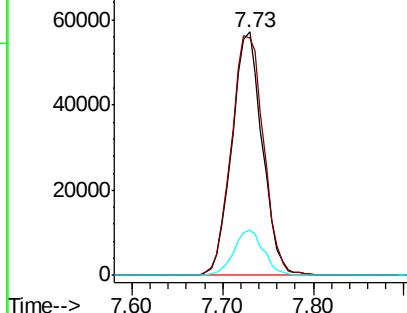
#35
 Dibromofluoromethane
 Concen: 49.508 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001048.D
 Acq: 24 Dec 2019 15:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 K005-AA-SB5

Tgt Ion: 113 Resp: 133060
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.0 124.4
 192 18.3 14.6 21.8

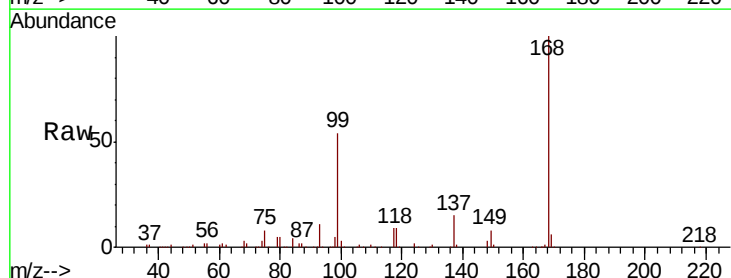


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

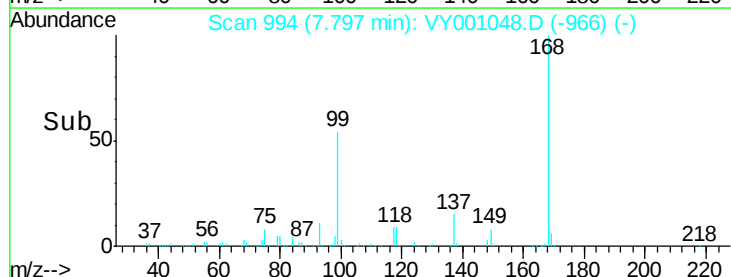
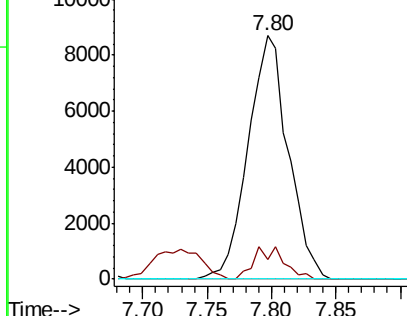


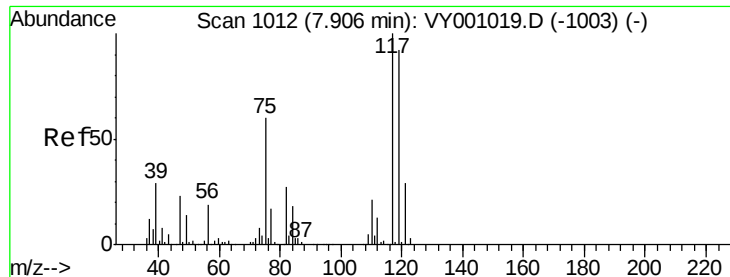
#36
 1,1-Dichloropropene
 Concen: 4.306 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001048.D
 Acq: 24 Dec 2019 15:17

Tgt Ion: 75 Resp: 18751
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.0 24.6 37.0#



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: 6.325 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampled :

K005-AA-SB5

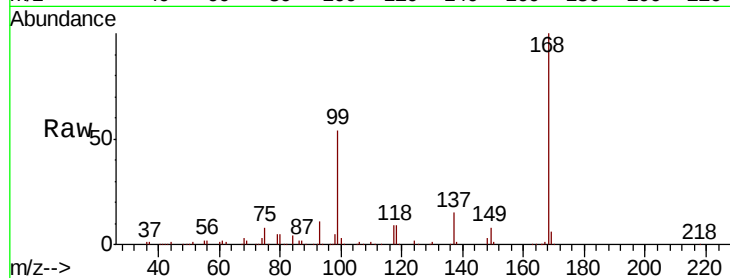
Tgt Ion:117 Resp: 24131

Ion Ratio Lower Upper

117 100

119 3.0 74.2 111.2#

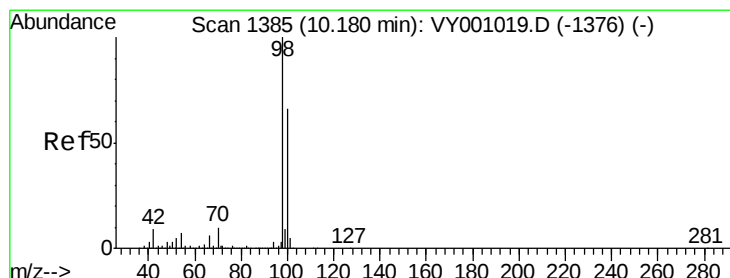
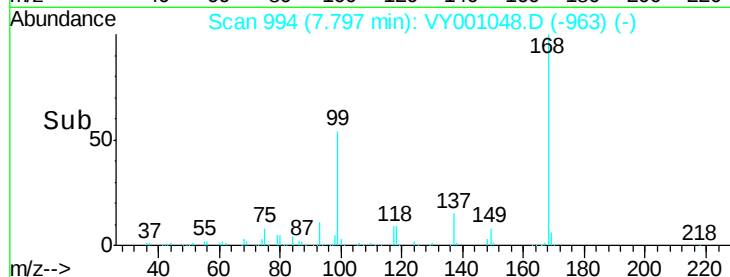
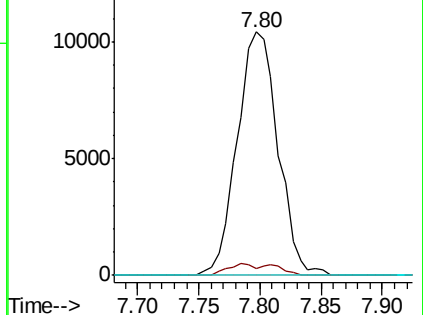
121 0.0 22.9 34.3#



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: 51.894 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001048.D

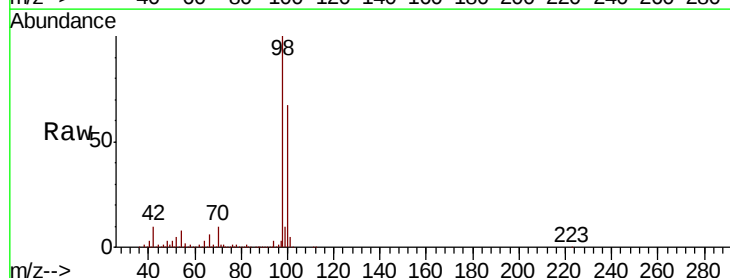
Acq: 24 Dec 2019 15:17

Tgt Ion: 98 Resp: 545050

Ion Ratio Lower Upper

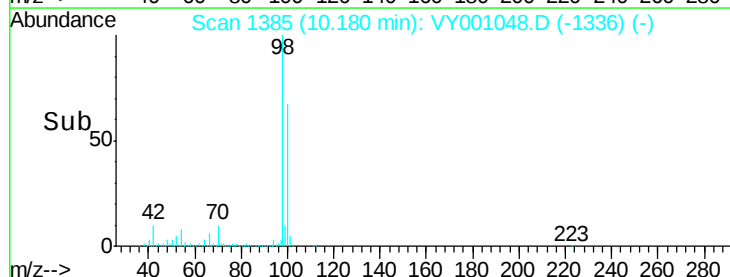
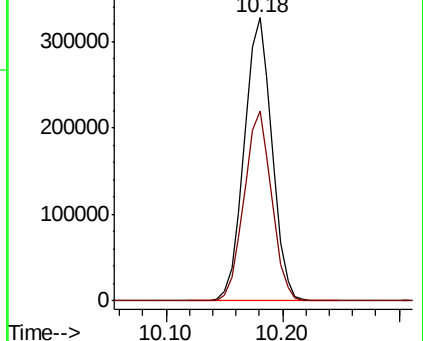
98 100

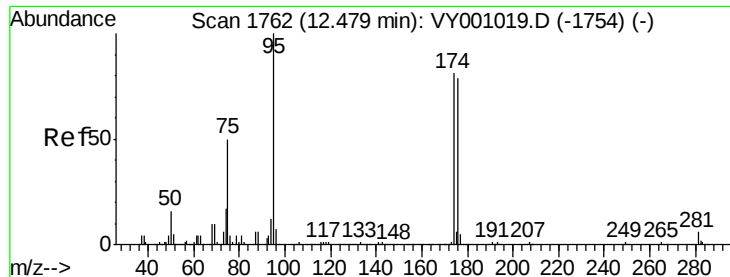
100 66.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 46.407 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

K005-AA-SB5

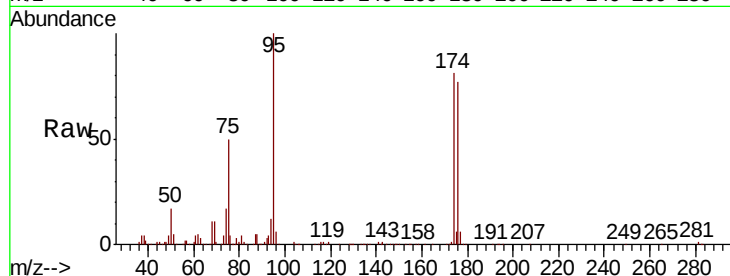
Tgt Ion: 95 Resp: 178211

Ion Ratio Lower Upper

95 100

174 78.2 0.0 156.4

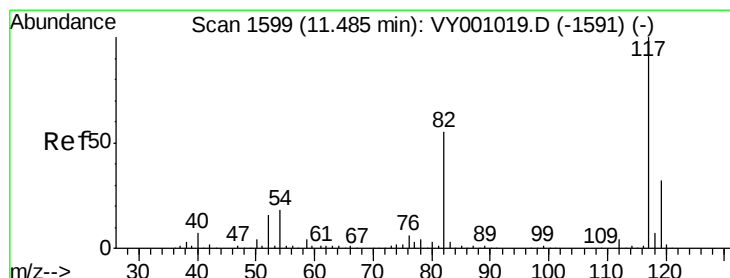
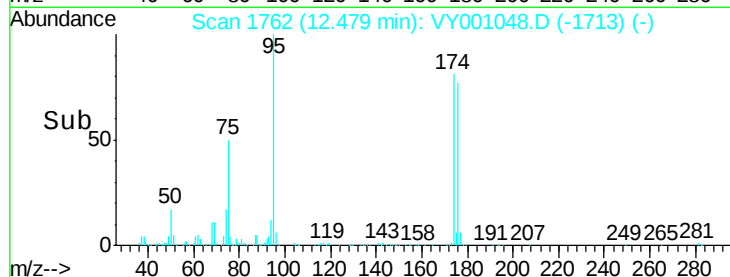
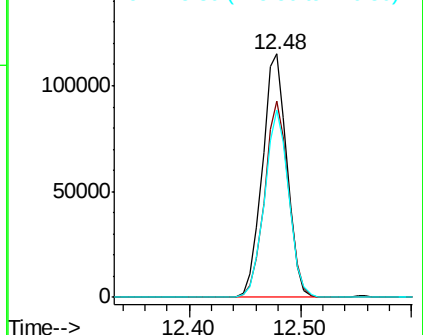
176 75.3 0.0 155.0



Abundance Ion 94.90 (94.60 to 95.60): VY001019.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY001019.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY001019.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

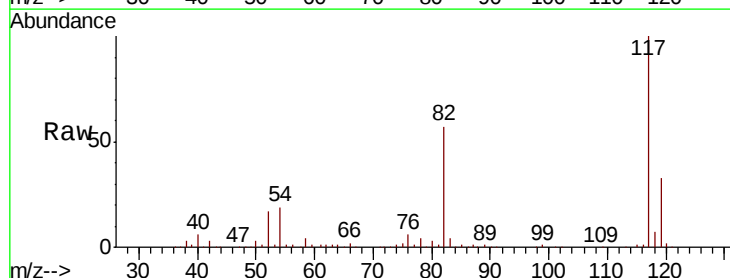
Tgt Ion: 117 Resp: 409930

Ion Ratio Lower Upper

117 100

82 56.9 43.8 65.8

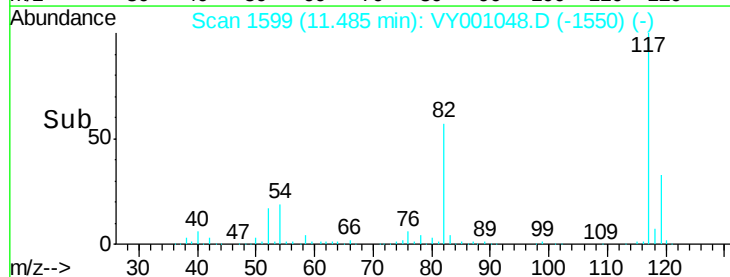
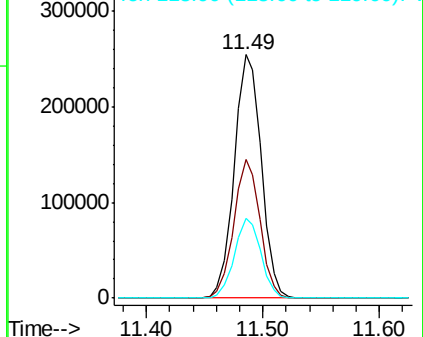
119 33.0 25.8 38.6

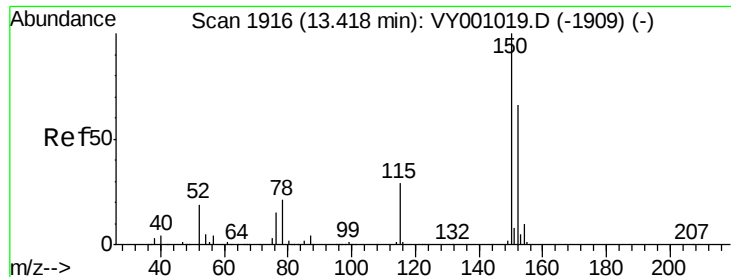


Abundance Ion 116.90 (116.60 to 117.60): VY001019.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY001019.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY001019.D (-1591) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

K005-AA-SB5

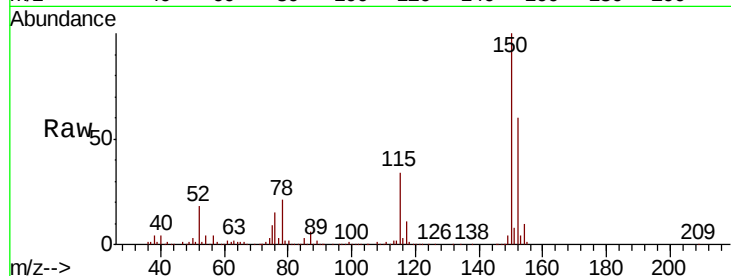
Tgt Ion:152 Resp: 171634

Ion Ratio Lower Upper

152 100

115 59.6 29.8 89.3

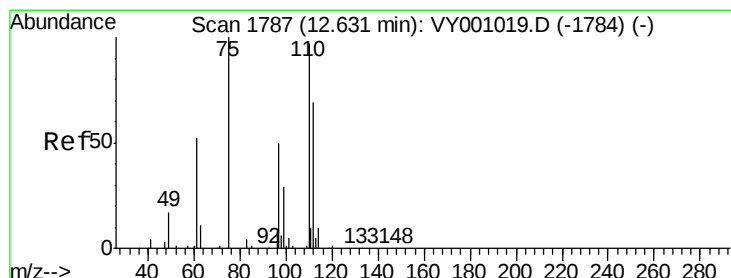
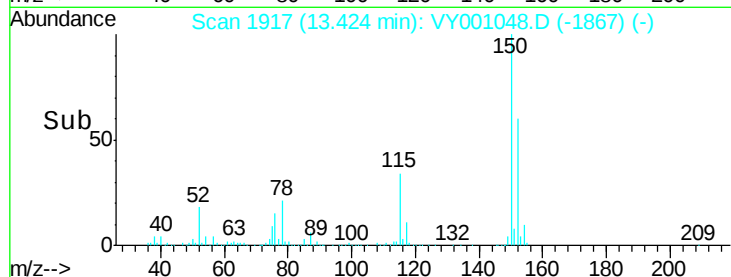
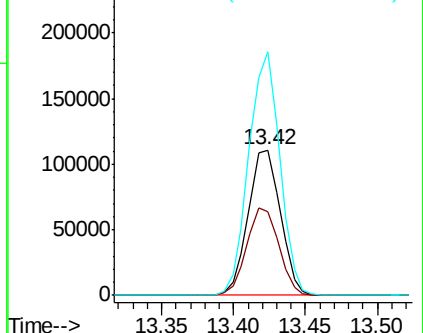
150 161.0 0.0 352.6



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: 41.752 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001048.D

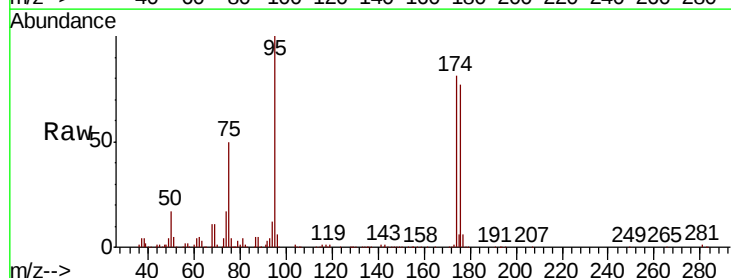
Acq: 24 Dec 2019 15:17

Tgt Ion: 75 Resp: 88343

Ion Ratio Lower Upper

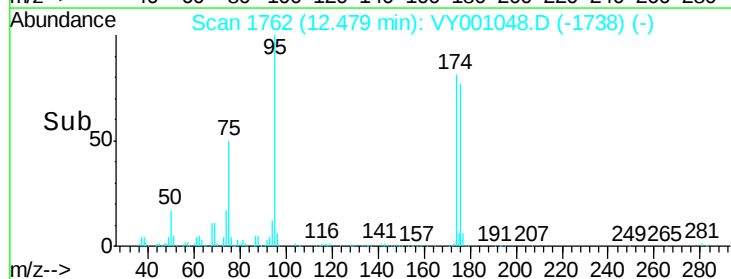
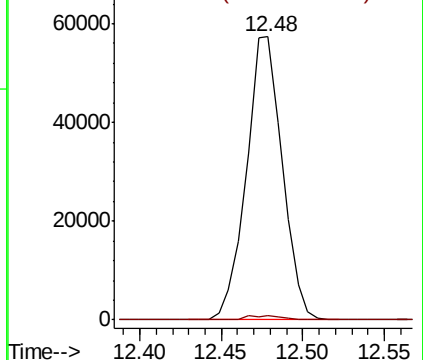
75 100

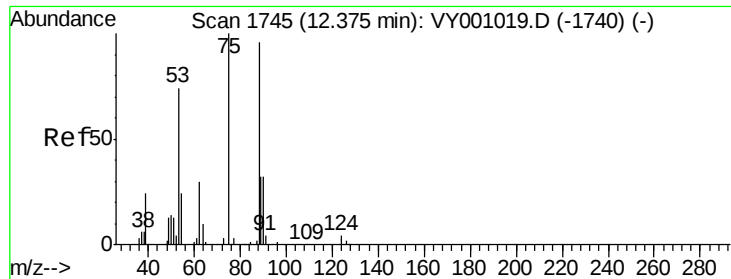
77 1.5 0.0 0.0#



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: 89.047 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001048.D

Acq: 24 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

K005-AA-SB5

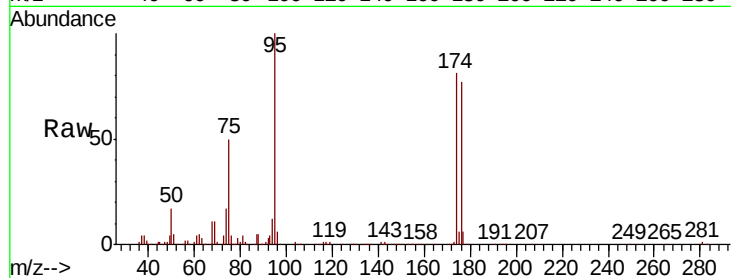
Tgt Ion: 75 Resp: 88343

Ion Ratio Lower Upper

75 100

53 0.1 60.6 91.0#

89 0.1 35.4 53.0#



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

