

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001068.D
 Acq On : 26 Dec 2019 13:46
 Operator : SY/MD
 Sample : K6431-03
 Misc : 6.57G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-(5-6)

Quant Time: Dec 27 02:10:04 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	91328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	167102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	138119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	56205	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	43517	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.72	113	45808	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	10.18	98	192412	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.48	95	54460	38.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.48%	

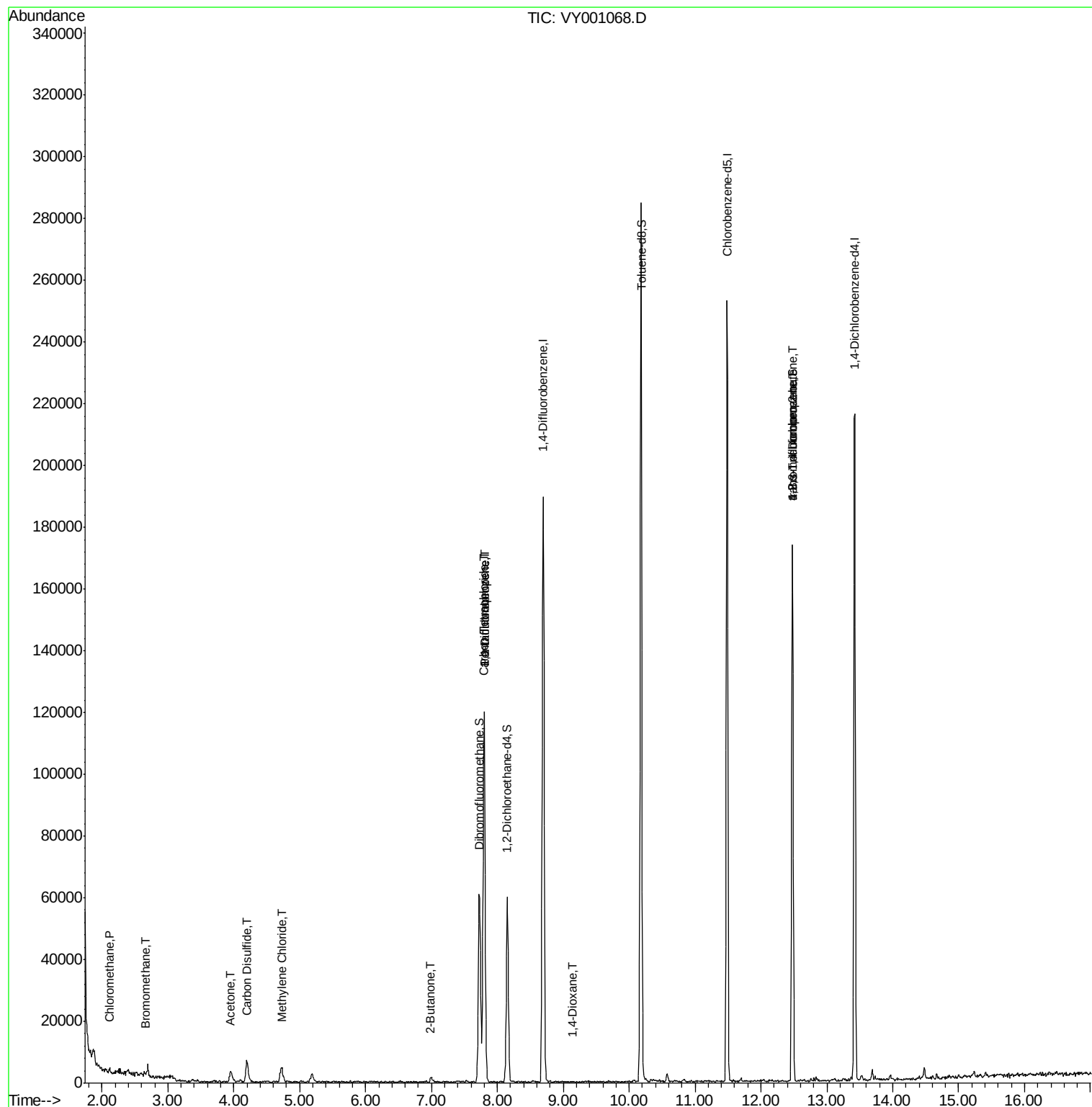
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	1134	1.047	ug/l	100
5) Bromomethane	2.66	94	431	1.320	ug/l	97
16) Acetone	3.96	43	5966	28.751	ug/l	97
17) Carbon Disulfide	4.19	76	12389	3.695	ug/l #	89
20) Methylene Chloride	4.74	84	3489	2.857	ug/l #	81
25) 2-Butanone	6.99	43	940	2.579	ug/l #	47
36) 1,1-Dichloropropene	7.80	75	7724	4.845	ug/l #	51
38) Carbon Tetrachloride	7.79	117	8944	6.404	ug/l #	16
49) 1,4-Dioxane	9.13	88	27	2.968	ug/l #	24
76) 1,2,3-Trichloropropane	12.48	75	26587	38.371	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	26587	81.836	ug/l #	19

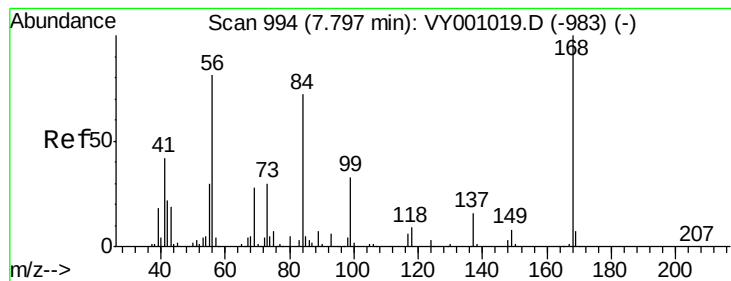
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Instrument :

MSVOA_Y

ClientSampleId :

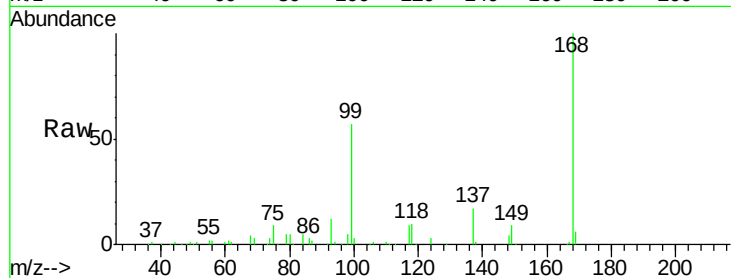
SB-4-(5-6)

Tgt Ion:168 Resp: 91328

Ion Ratio Lower Upper

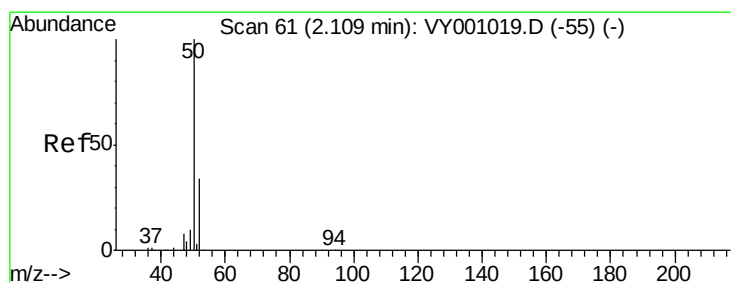
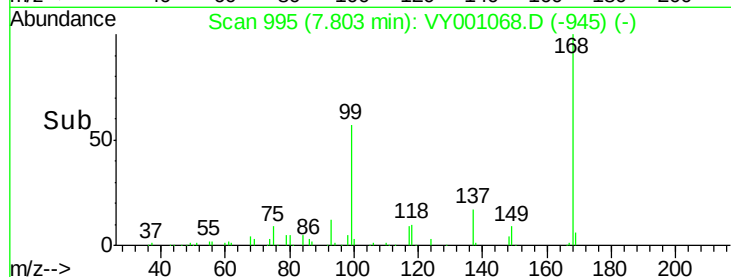
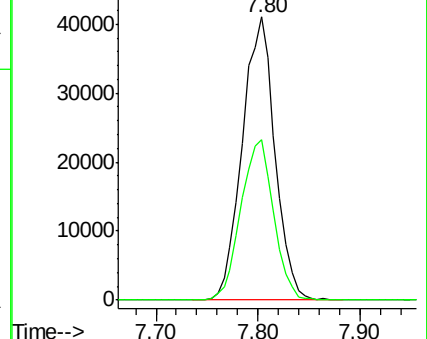
168 100

99 56.7 44.0 66.0



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

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)



#3

Chloromethane

Concen: 1.047 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001068.D

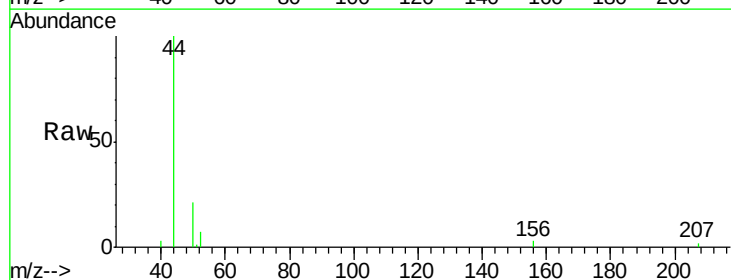
Acq: 26 Dec 2019 13:46

Tgt Ion: 50 Resp: 1134

Ion Ratio Lower Upper

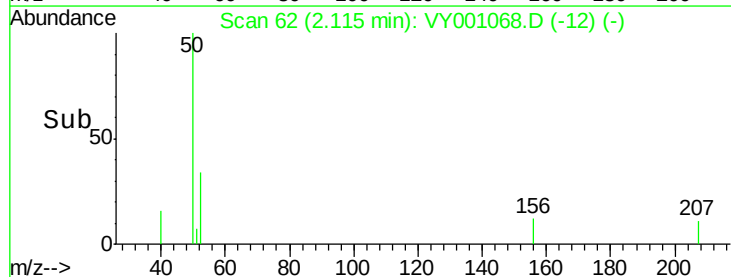
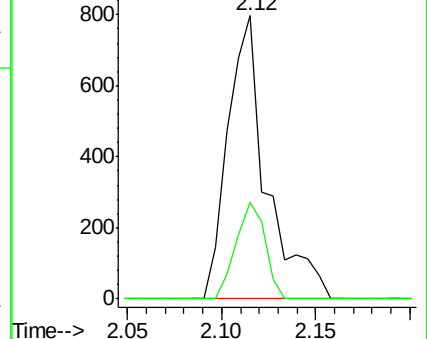
50 100

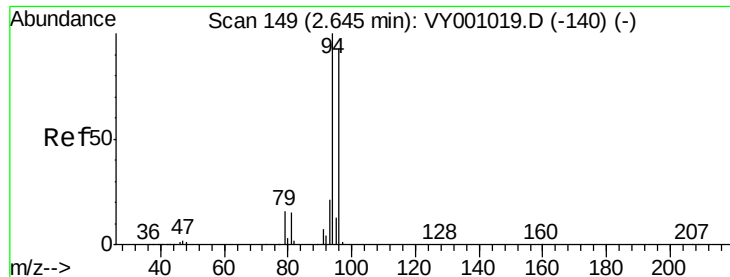
52 34.1 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY001019.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001019.D (-55) (-)





#5

Bromomethane

Concen: 1.320 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.02 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Instrument :

MSVOA_Y

ClientSampleId :

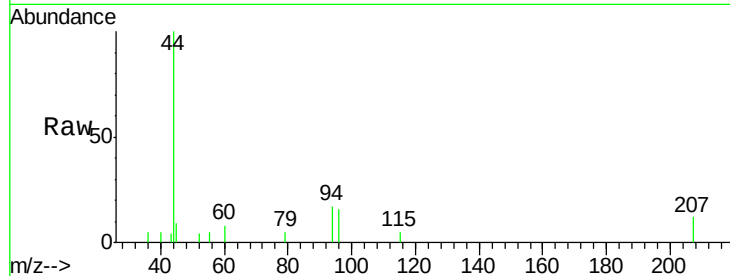
SB-4-(5-6)

Tgt Ion: 94 Resp: 431

Ion Ratio Lower Upper

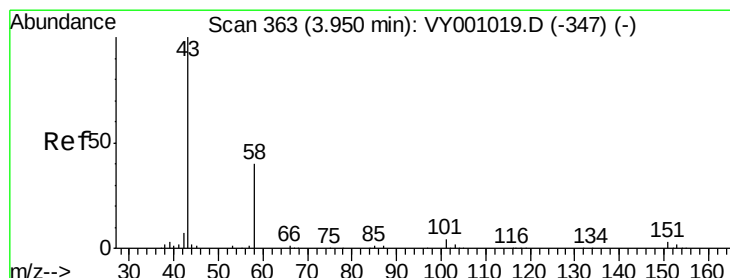
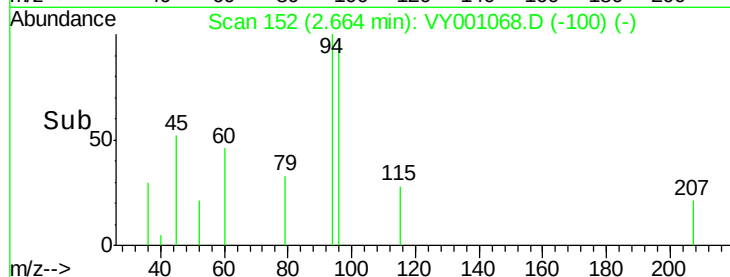
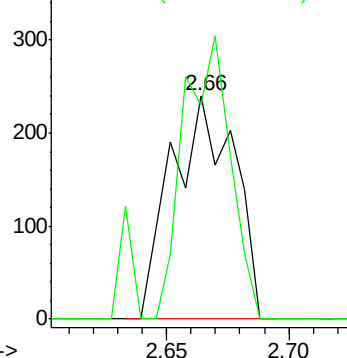
94 100

96 95.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#16

Acetone

Concen: 28.751 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001068.D

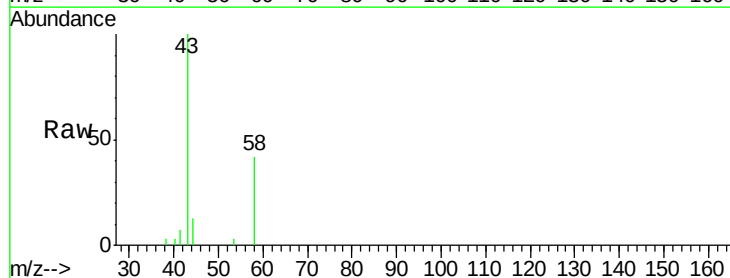
Acq: 26 Dec 2019 13:46

Tgt Ion: 43 Resp: 5966

Ion Ratio Lower Upper

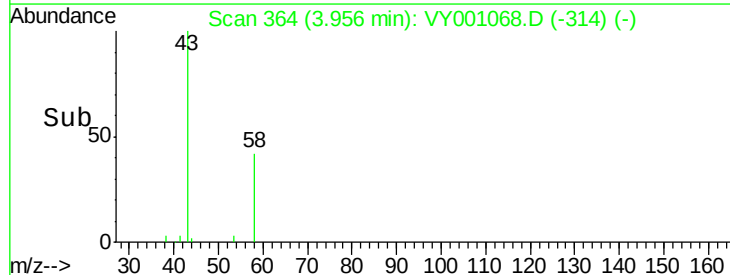
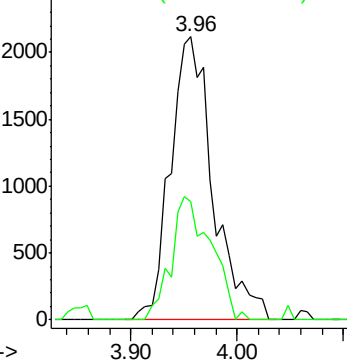
43 100

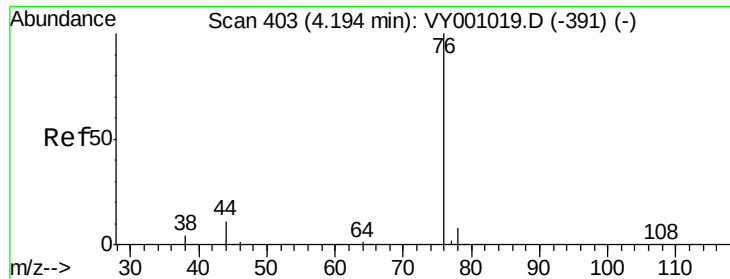
58 41.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 3.695 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Instrument :

MSVOA_Y

ClientSampleId :

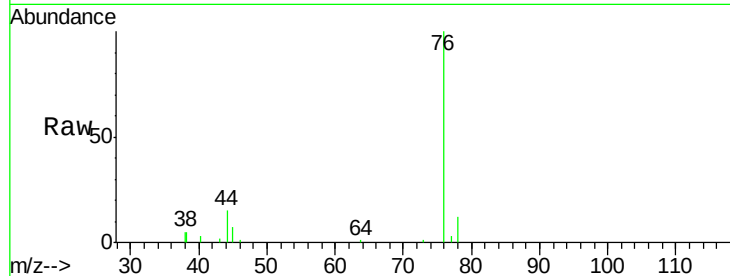
SB-4-(5-6)

Tgt Ion: 76 Resp: 12389

Ion Ratio Lower Upper

76 100

78 12.3 6.7 10.1#



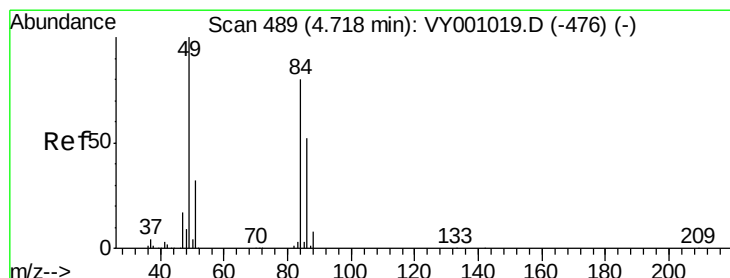
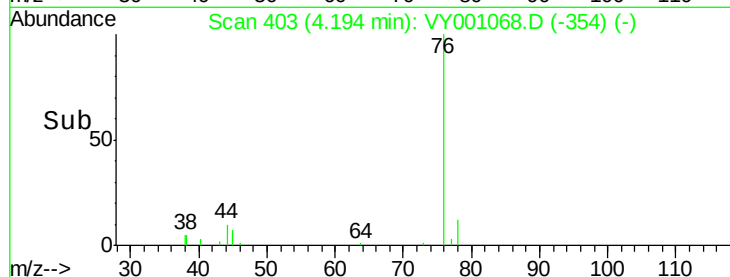
Abundance Ion 75.90 (75.60 to 76.60): VY001019.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VY001019.D (-391) (-)

4.19

4.15 4.20 4.25 4.30

Time-->



#20

Methylene Chloride

Concen: 2.857 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.02 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Tgt Ion: 84 Resp: 3489

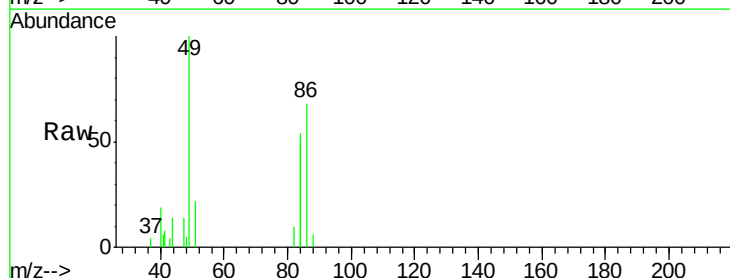
Ion Ratio Lower Upper

84 100

49 95.8 99.8 149.6#

51 20.7 31.4 47.2#

86 65.1 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001019.D (-476) (-)

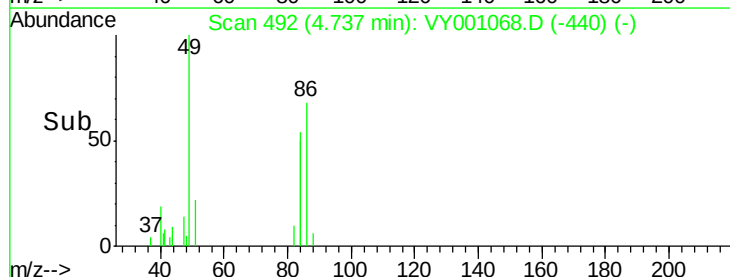
Ion 50.90 (50.60 to 51.60): VY001019.D (-476) (-)

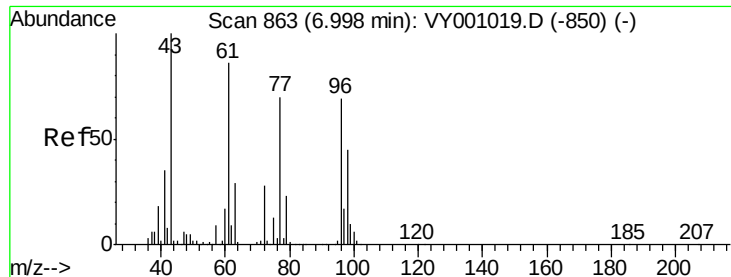
Ion 85.90 (85.60 to 86.60): VY001019.D (-476) (-)

4.74

4.65 4.70 4.75 4.80

Time-->





#25

2-Butanone

Concen: 2.579 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Instrument :

MSVOA_Y

ClientSampleId :

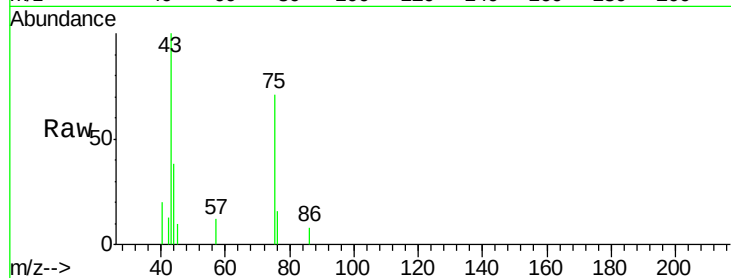
SB-4-(5-6)

Tgt Ion: 43 Resp: 940

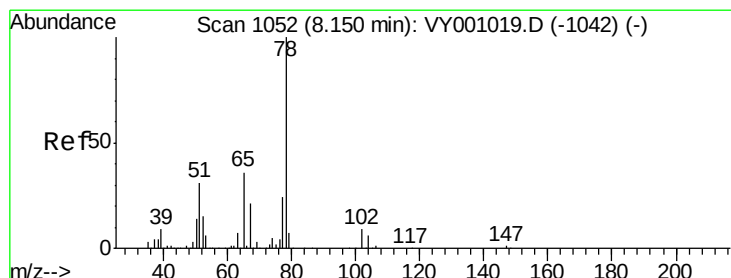
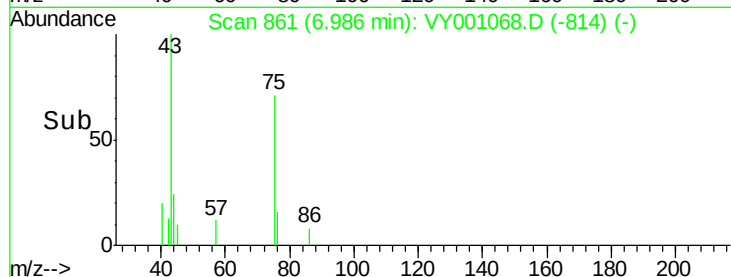
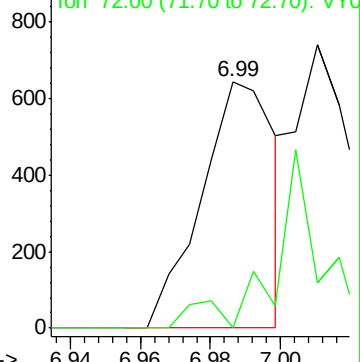
Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 48.312 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001068.D

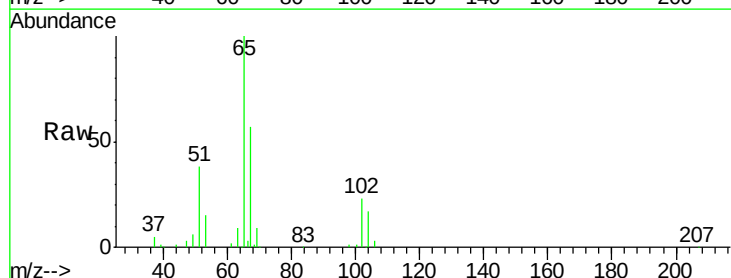
Acq: 26 Dec 2019 13:46

Tgt Ion: 65 Resp: 43517

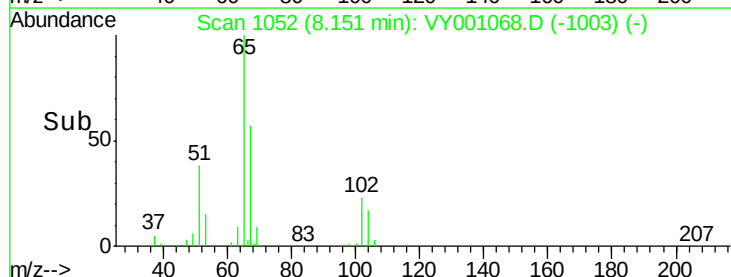
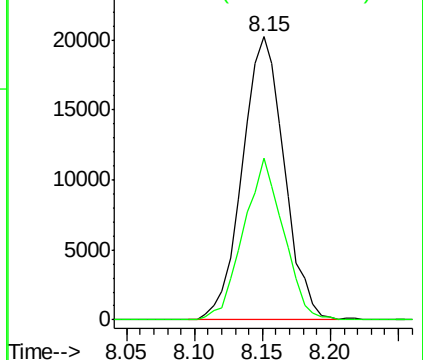
Ion Ratio Lower Upper

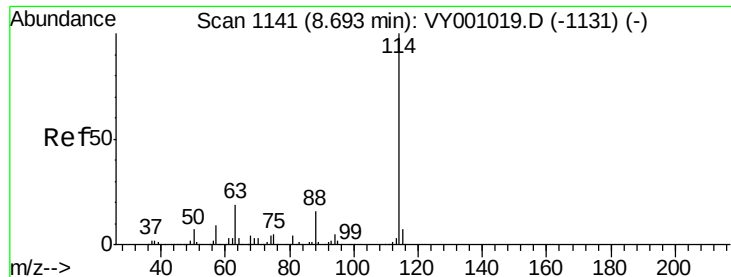
65 100

67 54.7 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

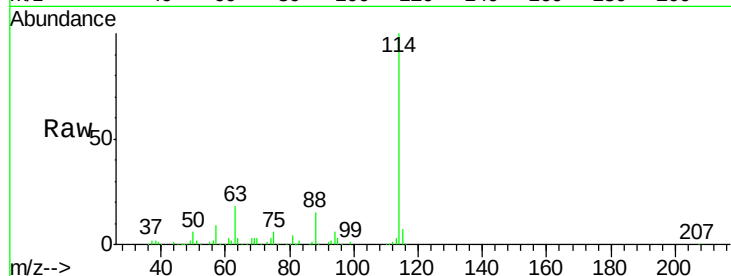




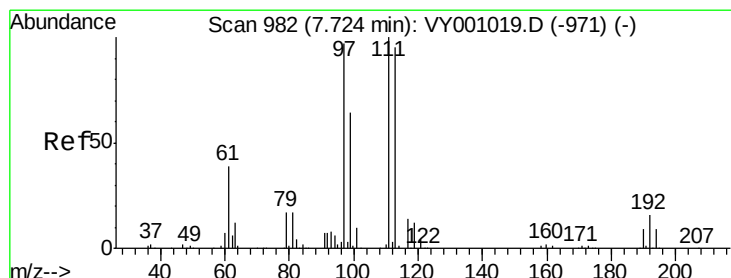
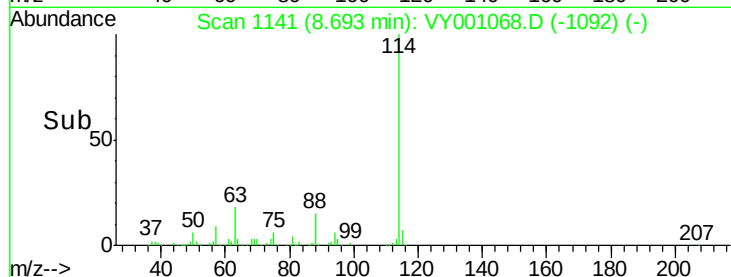
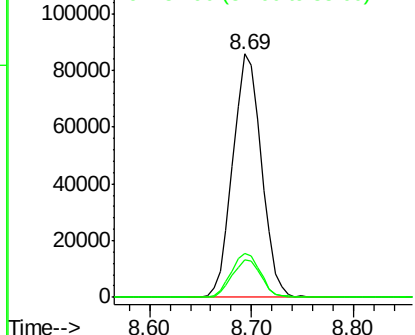
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001068.D
 Acq: 26 Dec 2019 13:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-(5-6)

Tgt Ion:114 Resp: 167102
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 37.0
 88 15.2 0.0 32.0

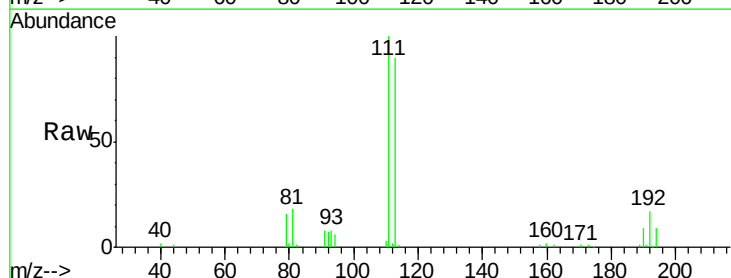


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

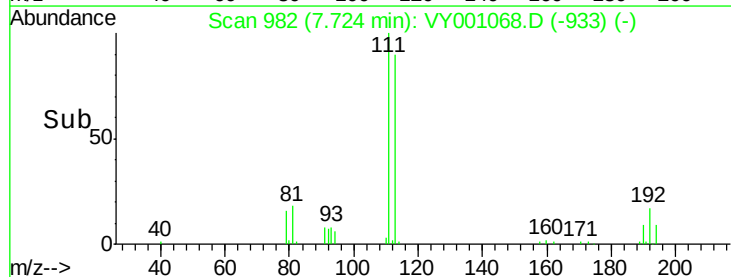
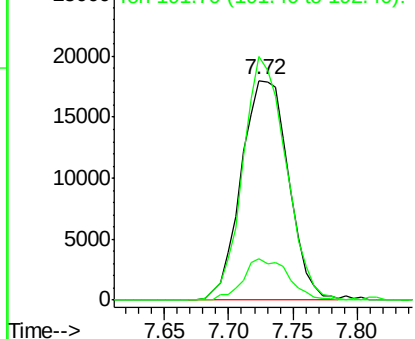


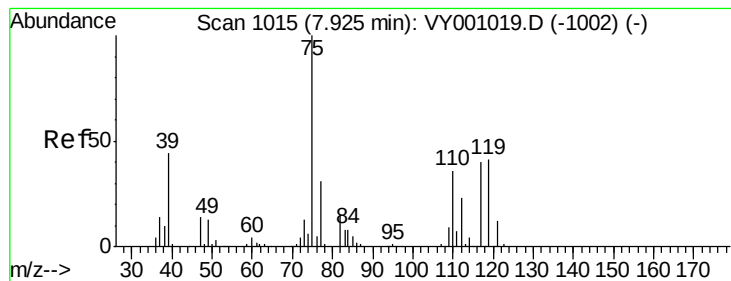
#35
 Dibromofluoromethane
 Concen: 46.553 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY001068.D
 Acq: 26 Dec 2019 13:46

Tgt Ion:113 Resp: 45808
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.0 124.4
 192 18.2 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: 4.845 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(5-6)

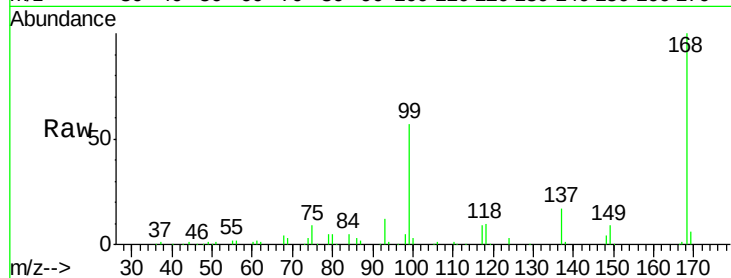
Tgt Ion: 75 Resp: 7724

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

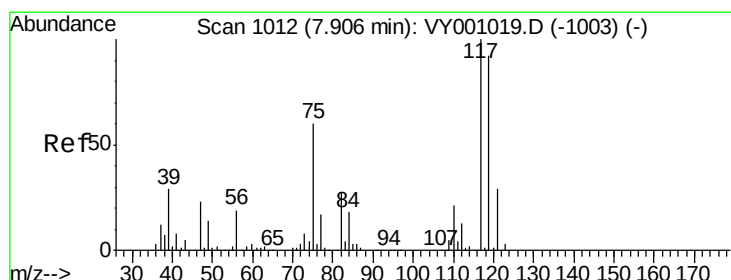
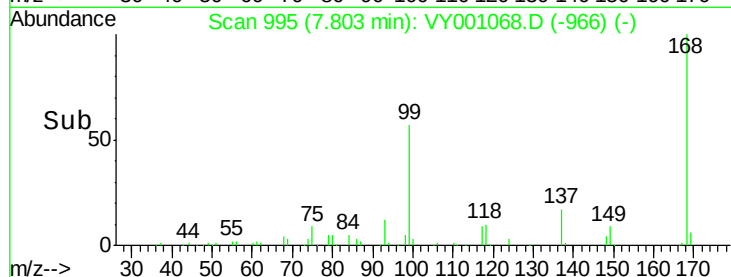
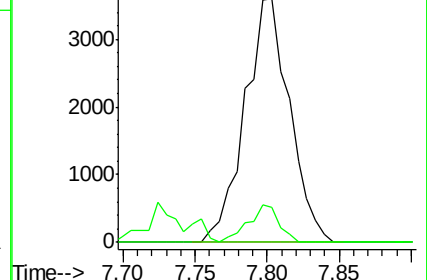
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY001019.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VY001019.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VY001019.D (-1002) (-)



#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

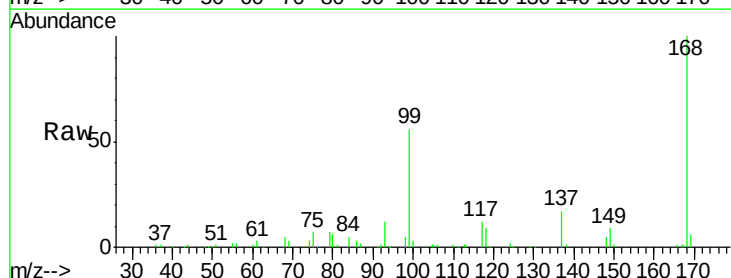
Tgt Ion: 117 Resp: 8944

Ion Ratio Lower Upper

117 100

119 3.3 74.2 111.2#

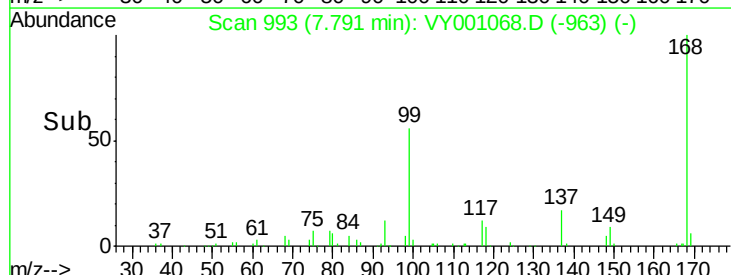
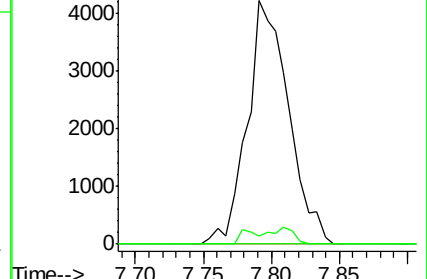
121 0.0 22.9 34.3#

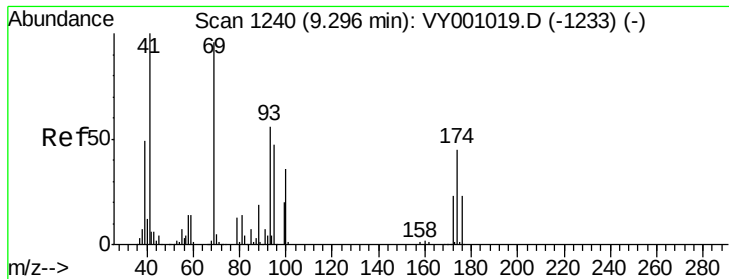


Abundance Ion 116.80 (116.50 to 117.50): VY001019.D (-1003) (-)

Ion 118.80 (118.50 to 119.50): VY001019.D (-1003) (-)

Ion 120.80 (120.50 to 121.50): VY001019.D (-1003) (-)





#49

1,4-Dioxane

Concen: 2.968 ug/l

RT: 9.13 min Scan# 1213

Delta R.T. -0.16 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

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MSVOA_Y

ClientSampleId :

SB-4-(5-6)

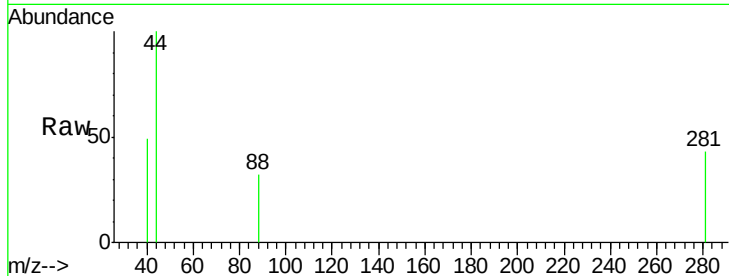
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 23.0 34.4#

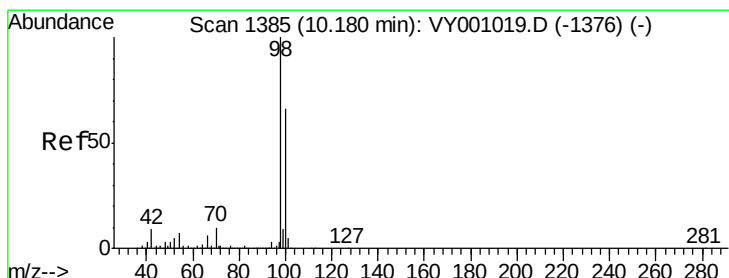
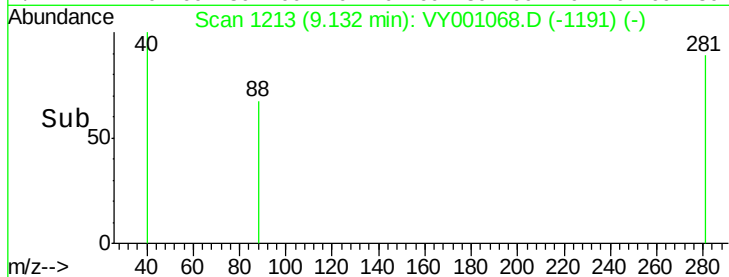
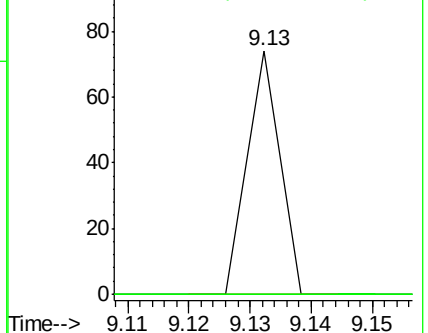
58 0.0 54.9 82.3#



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: 50.037 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001068.D

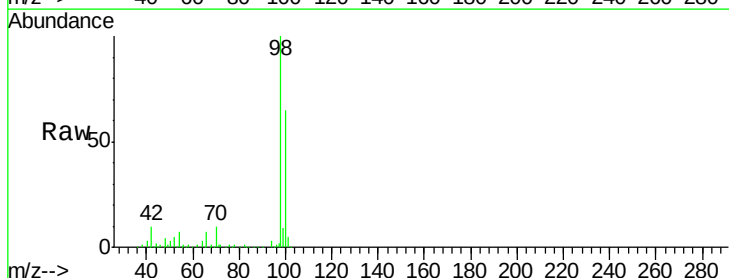
Acq: 26 Dec 2019 13:46

Tgt Ion: 98 Resp: 192412

Ion Ratio Lower Upper

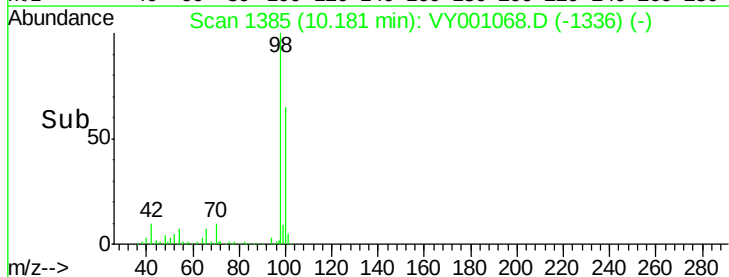
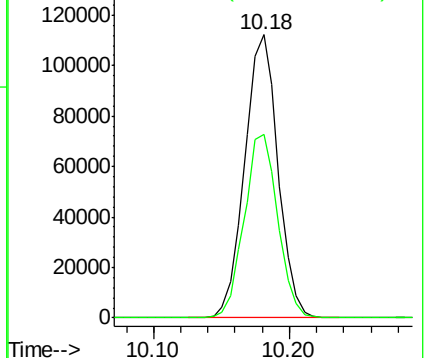
98 100

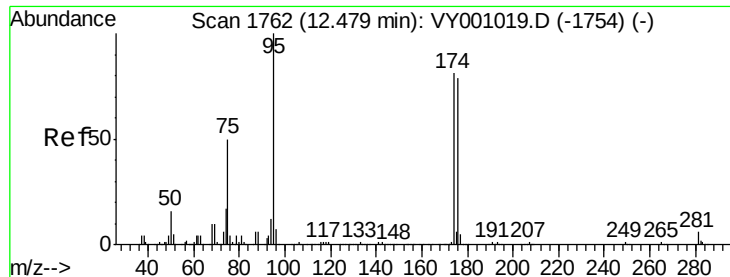
100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

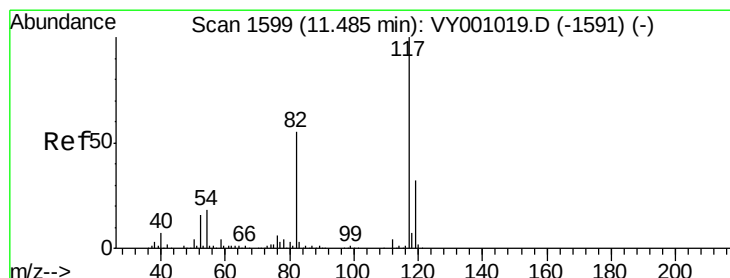
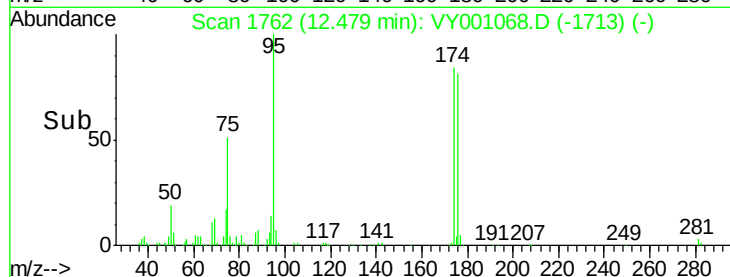
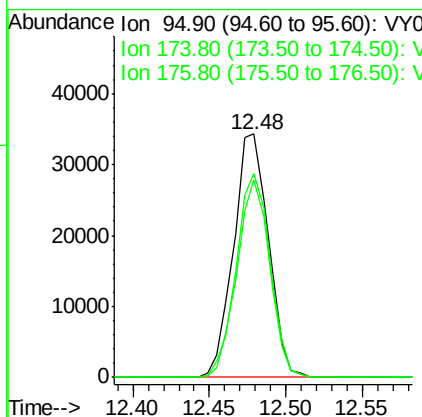
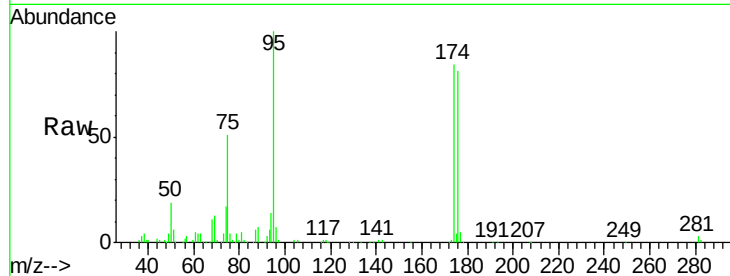




#62
4-Bromofluorobenzene
Concen: 38.735 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001068.D
Acq: 26 Dec 2019 13:46

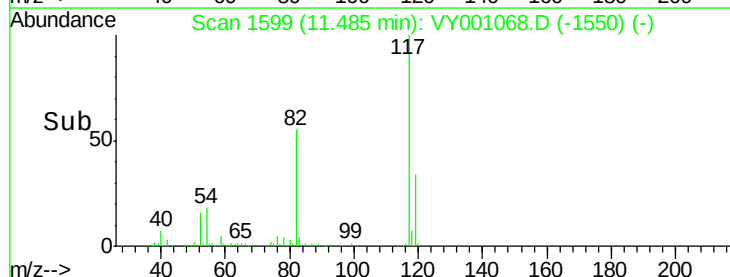
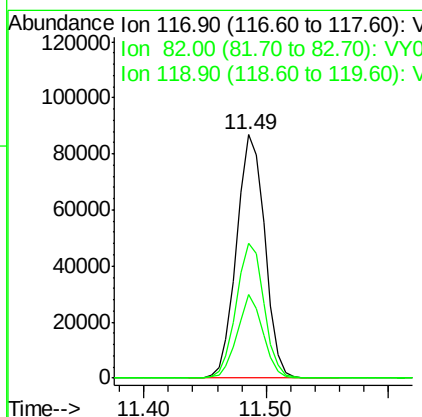
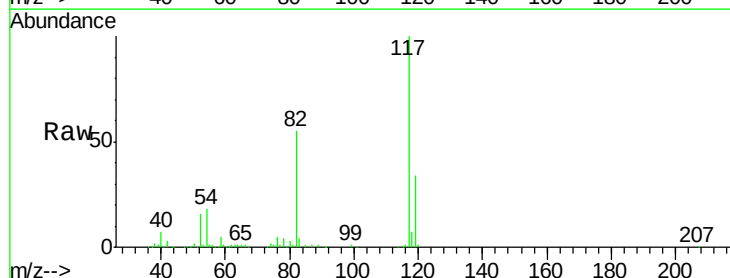
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(5-6)

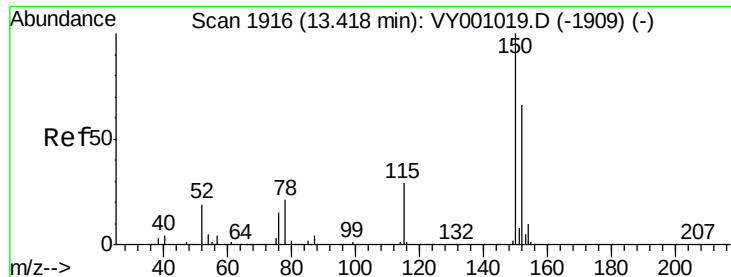
Tgt Ion: 95 Resp: 54460
Ion Ratio Lower Upper
95 100
174 81.5 0.0 156.4
176 76.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001068.D
Acq: 26 Dec 2019 13:46

Tgt Ion: 117 Resp: 138119
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 34.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(5-6)

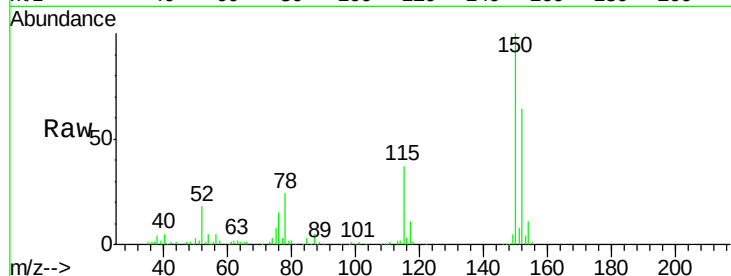
Tgt Ion:152 Resp: 56205

Ion Ratio Lower Upper

152 100

115 58.7 29.8 89.3

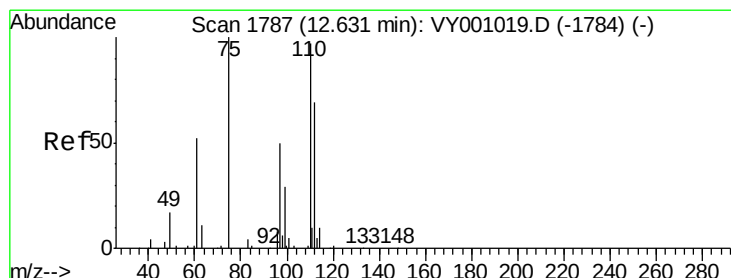
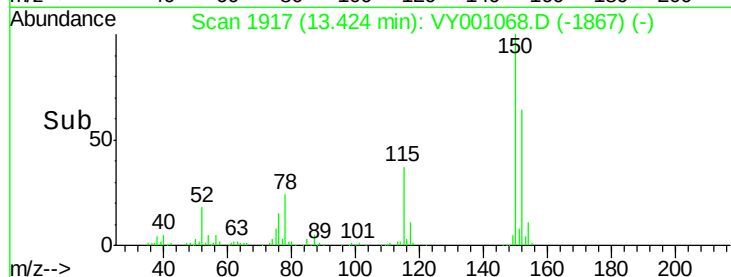
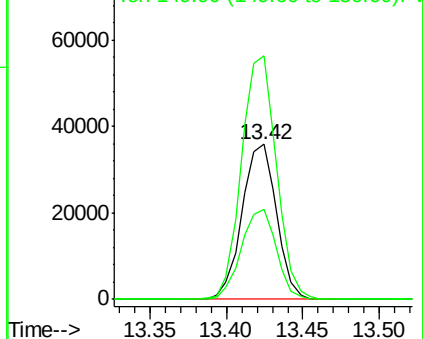
150 158.5 0.0 352.6



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: 38.371 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001068.D

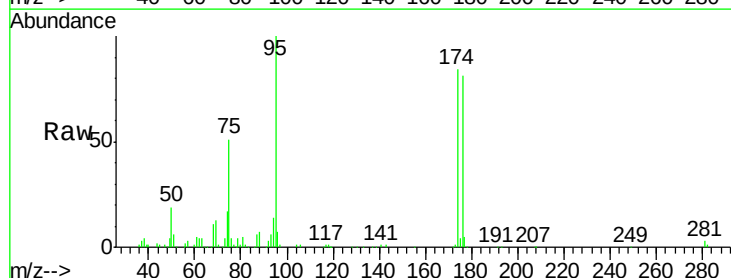
Acq: 26 Dec 2019 13:46

Tgt Ion: 75 Resp: 26587

Ion Ratio Lower Upper

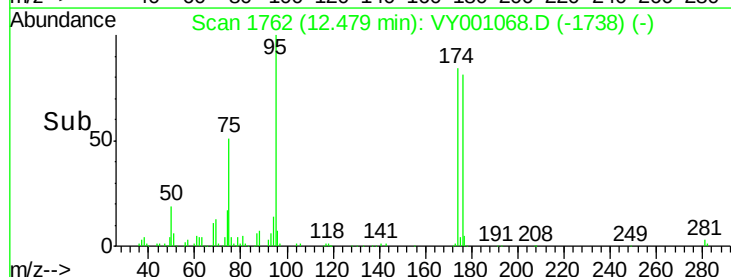
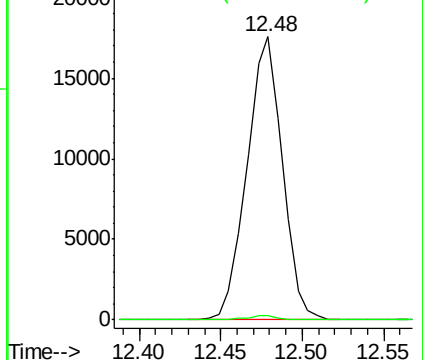
75 100

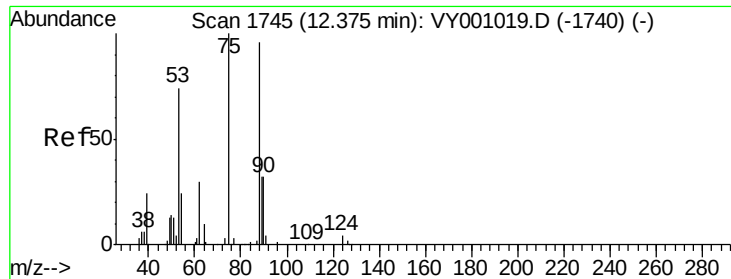
77 1.4 0.0 0.0#



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: 81.836 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001068.D

Acq: 26 Dec 2019 13:46

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(5-6)

Tgt Ion: 75 Resp: 26587

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.4 35.4 53.0#

