

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001071.D
 Acq On : 26 Dec 2019 14:53
 Operator : SY/MD
 Sample : K6431-07
 Misc : 5.93G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(0-2)

Quant Time: Dec 27 02:10:45 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	236010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	440245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	390232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167608	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	127474	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.72	113	126085	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.18	98	520278	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.48	95	169039	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

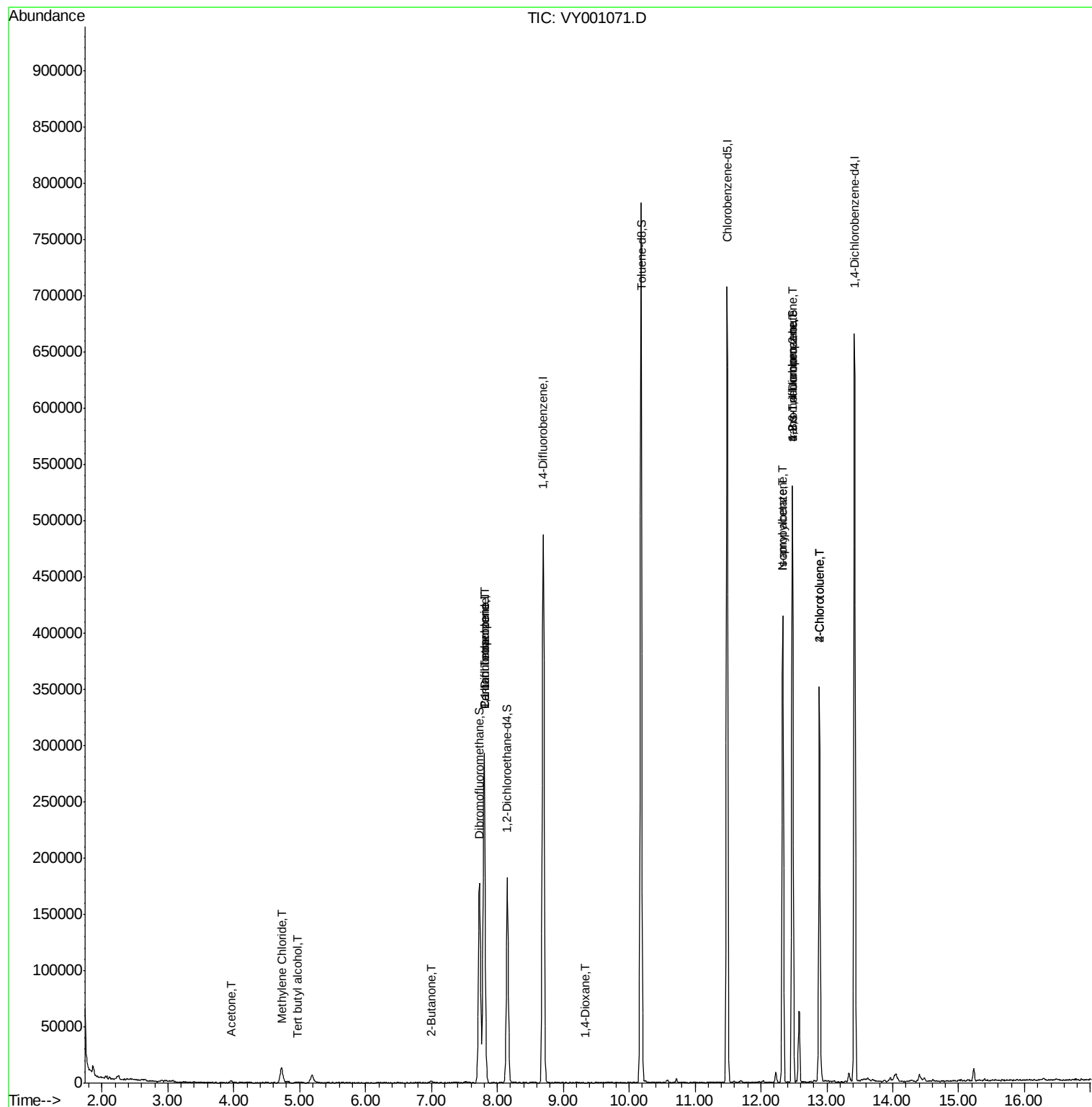
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	588	2.297	ug/l #	74
16) Acetone	3.96	43	3583	6.682	ug/l #	79
20) Methylene Chloride	4.73	84	10429	3.304	ug/l	87
25) 2-Butanone	7.00	43	1173	1.245	ug/l #	88
36) 1,1-Dichloropropene	7.80	75	18065	4.301	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23000	6.250	ug/l #	18
49) 1,4-Dioxane	9.34	88	52	2.169	ug/l #	24
73) Isopropylbenzene	12.33	105	14897	1.149	ug/l #	62
74) N-amyl acetate	12.33	43	8018	2.353	ug/l #	16
76) 1,2,3-Trichloropropane	12.47	75	80310	38.867	ug/l #	100
79) 2-Chlorotoluene	12.89	91	39657	4.544	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.47	75	80310	82.895	ug/l #	19
82) 4-Chlorotoluene	12.89	91	39657	4.375	ug/l #	40

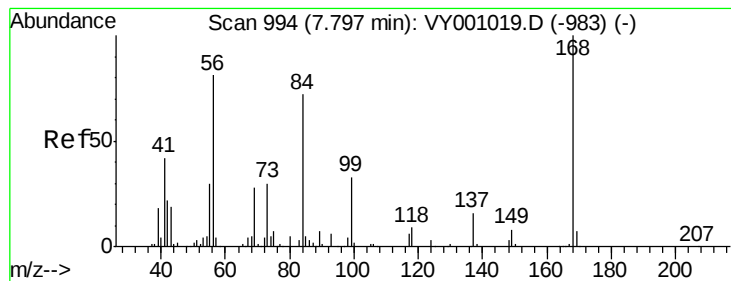
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001071.D

Acq: 26 Dec 2019 14:53

Instrument :

MSVOA_Y

ClientSampleId :

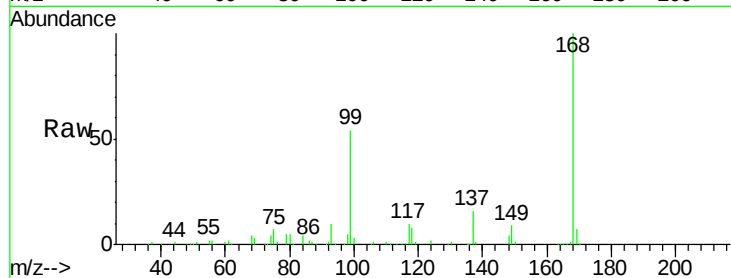
SB-2-(0-2)

Tgt Ion: 168 Resp: 236010

Ion Ratio Lower Upper

168 100

99 53.5 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) (-)

7.80

100000

80000

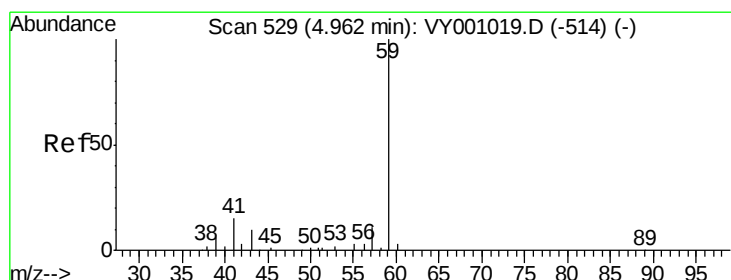
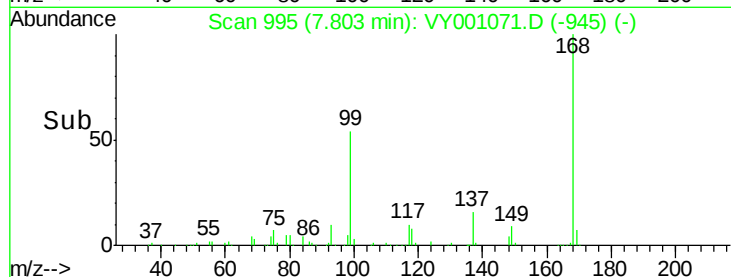
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.297 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY001071.D

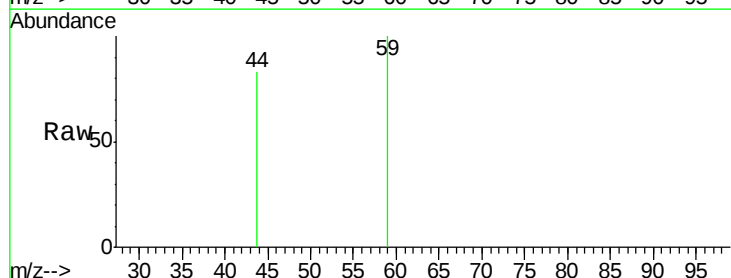
Acq: 26 Dec 2019 14:53

Tgt Ion: 59 Resp: 588

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) (-)

Ion 57.00 (56.70 to 57.70): VY001019.D (-514) (-)

4.96

300

250

200

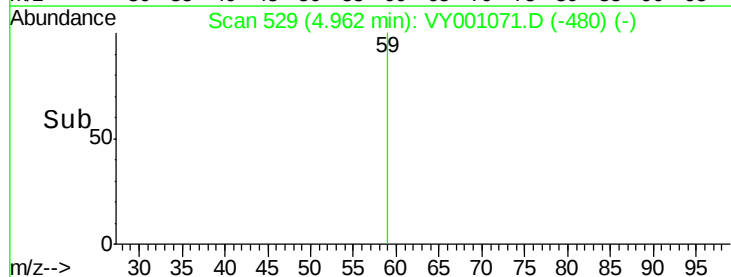
150

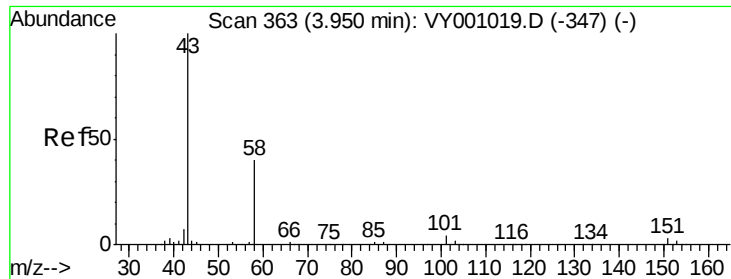
100

50

0

Time-->





#16

Acetone

Concen: 6.682 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001071.D

Acq: 26 Dec 2019 14:53

Instrument :

MSVOA_Y

ClientSampleId :

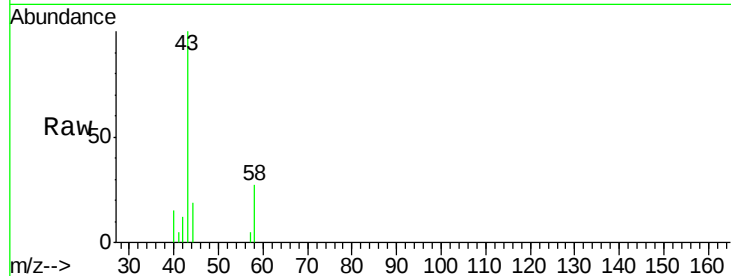
SB-2-(0-2)

Tgt Ion: 43 Resp: 3583

Ion Ratio Lower Upper

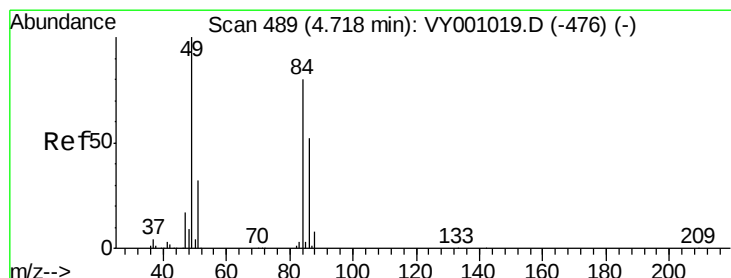
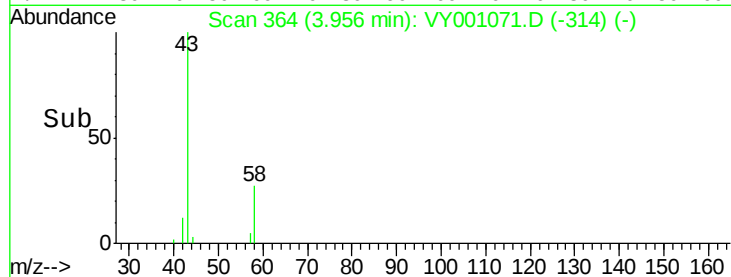
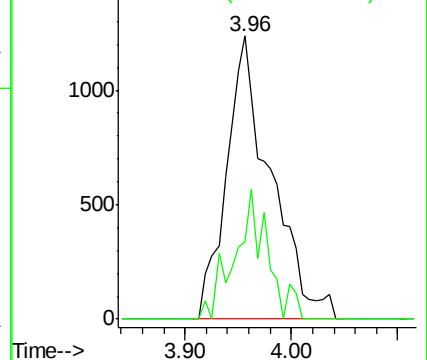
43 100

58 27.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY001071.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY001071.D (-314) (-)



#20

Methylene Chloride

Concen: 3.304 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001071.D

Acq: 26 Dec 2019 14:53

Tgt Ion: 84 Resp: 10429

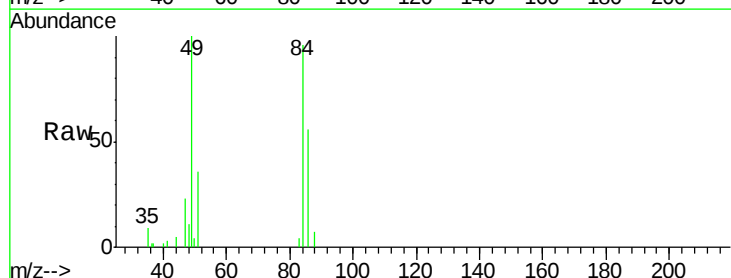
Ion Ratio Lower Upper

84 100

49 103.8 99.8 149.6

51 37.1 31.4 47.2

86 57.7 52.2 78.2

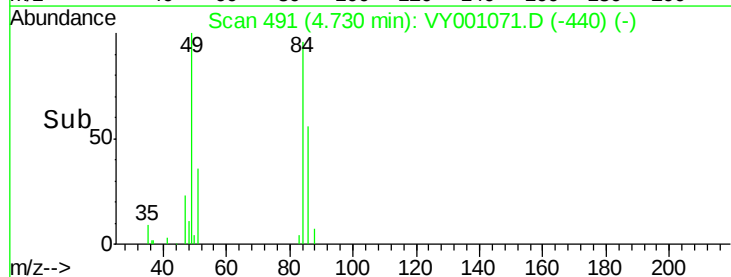
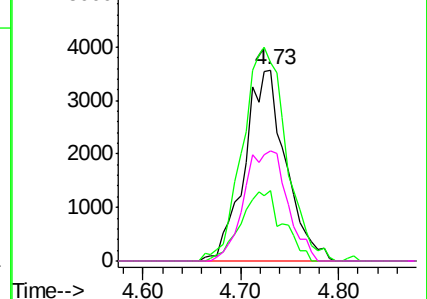


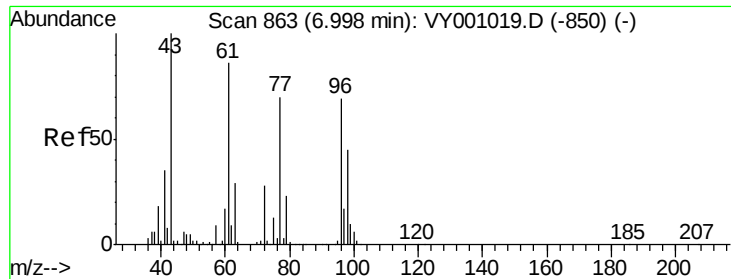
Abundance Ion 83.90 (83.60 to 84.60): VY001071.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY001071.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY001071.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY001071.D (-440) (-)





#25

2-Butanone

Concen: 1.245 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001071.D

Acq: 26 Dec 2019 14:53

Instrument :

MSVOA_Y

ClientSampleId :

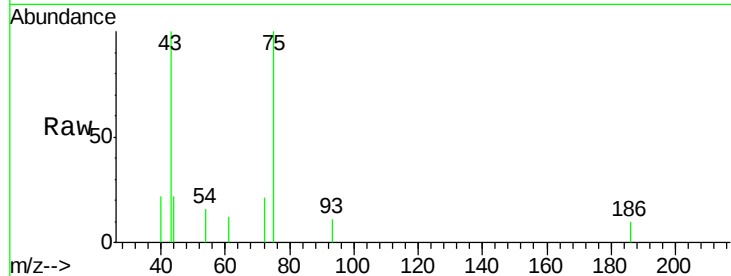
SB-2-(0-2)

Tgt Ion: 43 Resp: 1173

Ion Ratio Lower Upper

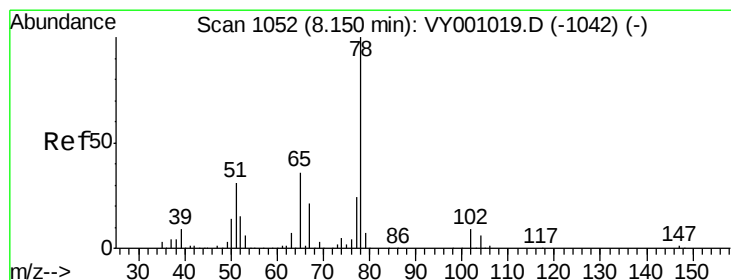
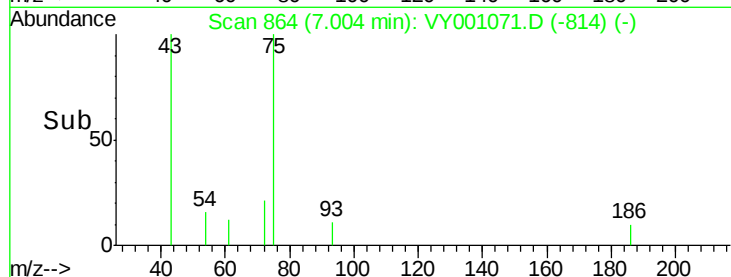
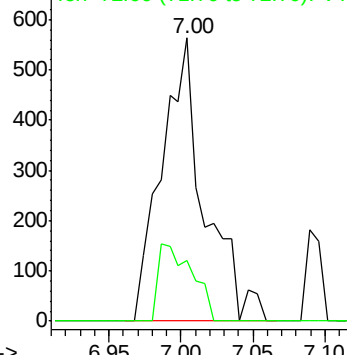
43 100

72 21.5 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 54.764 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001071.D

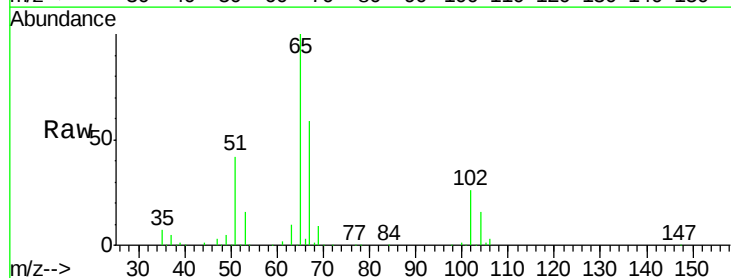
Acq: 26 Dec 2019 14:53

Tgt Ion: 65 Resp: 127474

Ion Ratio Lower Upper

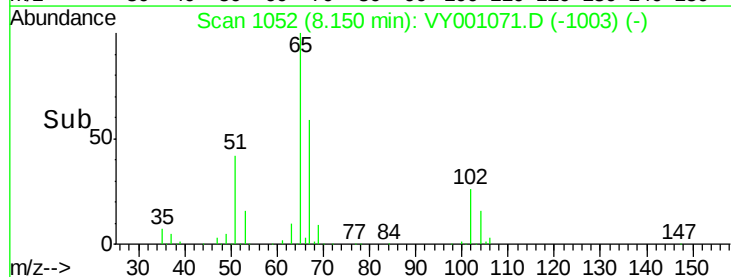
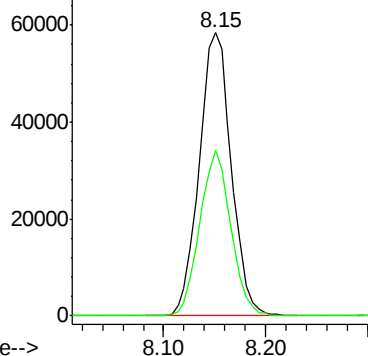
65 100

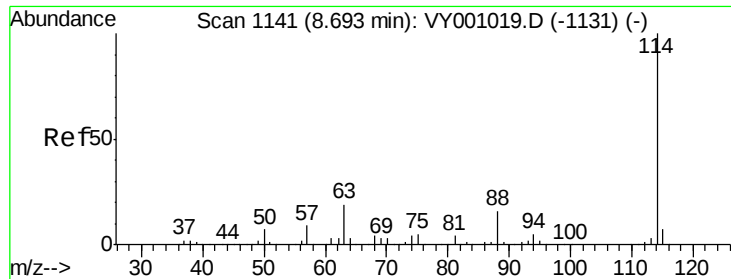
67 56.6 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

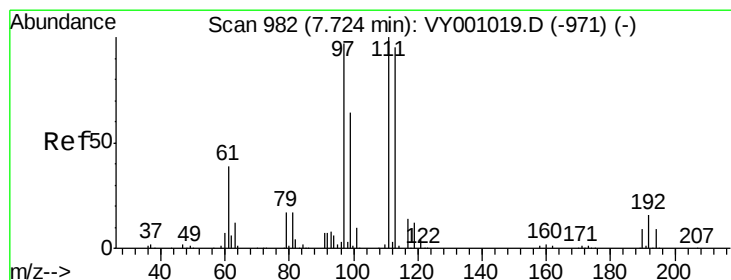
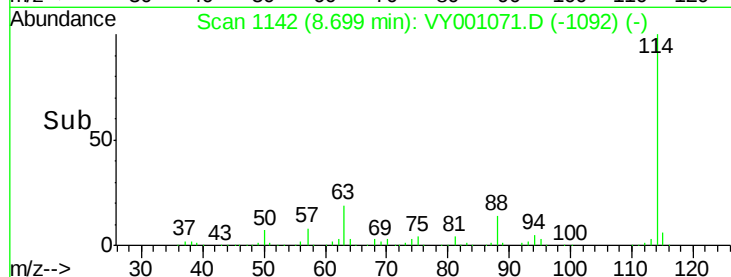
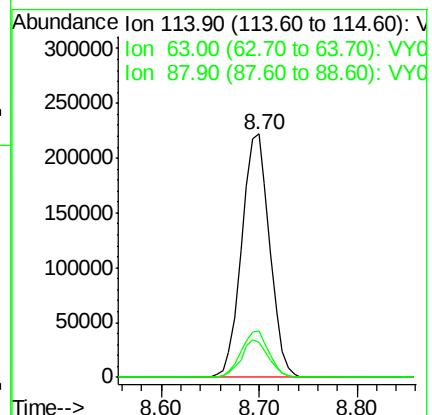
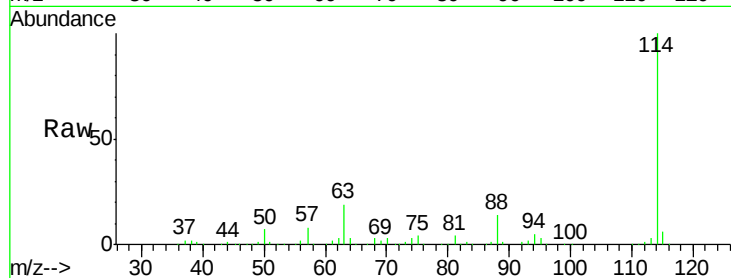




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001071.D
 Acq: 26 Dec 2019 14:53

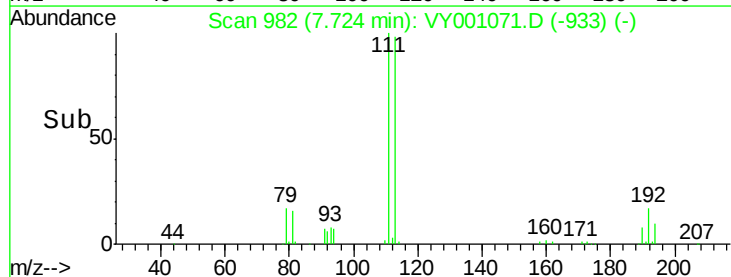
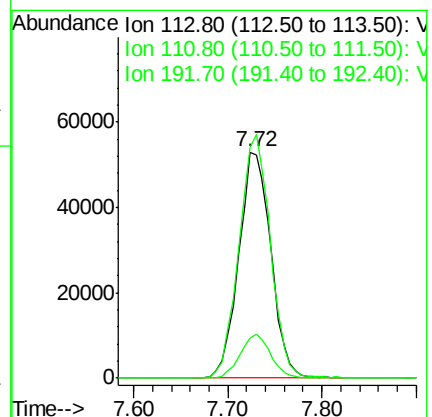
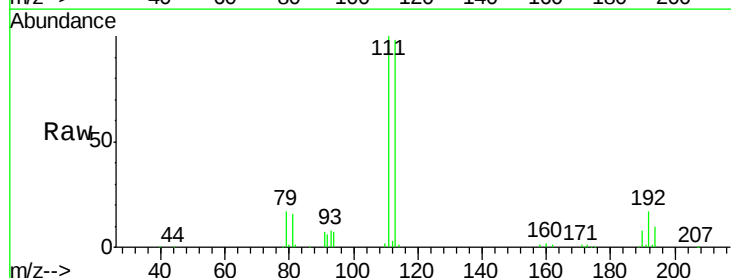
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(0-2)

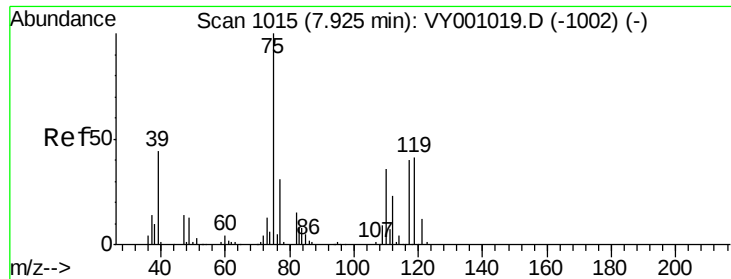
Tgt Ion:114 Resp: 440245
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 14.2 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 48.636 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY001071.D
 Acq: 26 Dec 2019 14:53

Tgt Ion:113 Resp: 126085
 Ion Ratio Lower Upper
 113 100
 111 105.4 83.0 124.4
 192 18.2 14.6 21.8

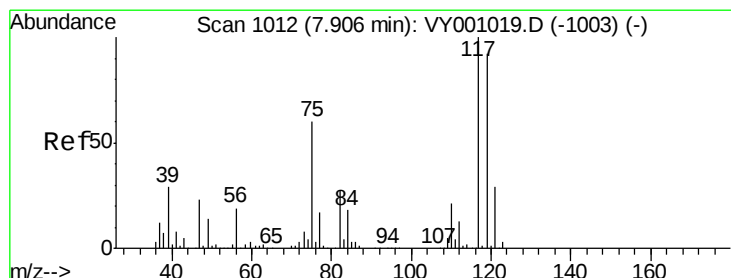
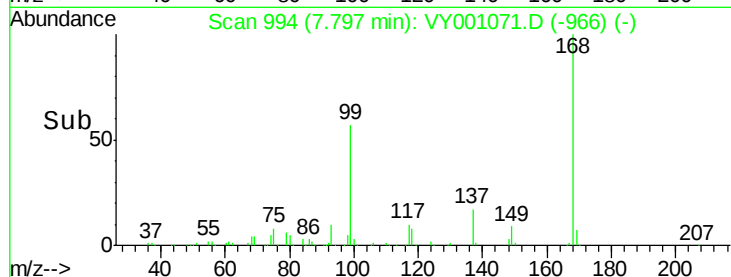
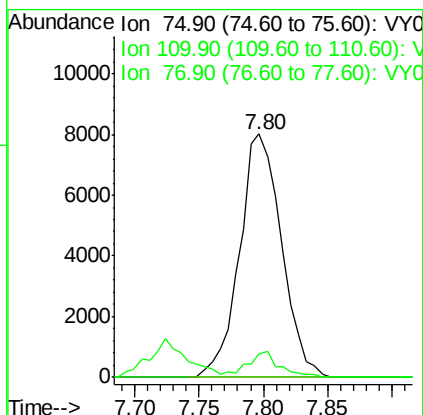
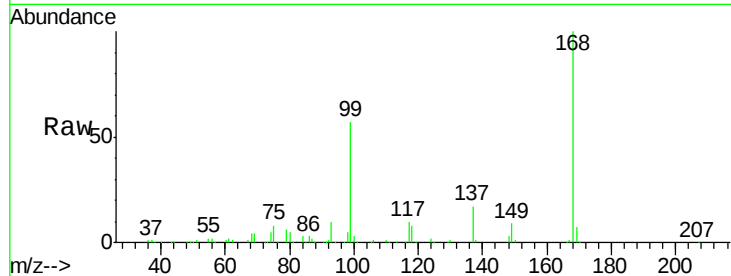




#36
 1,1-Dichloropropene
 Concen: 4.301 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001071.D
 Acq: 26 Dec 2019 14:53

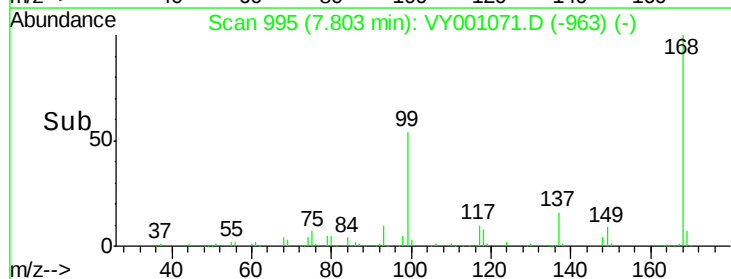
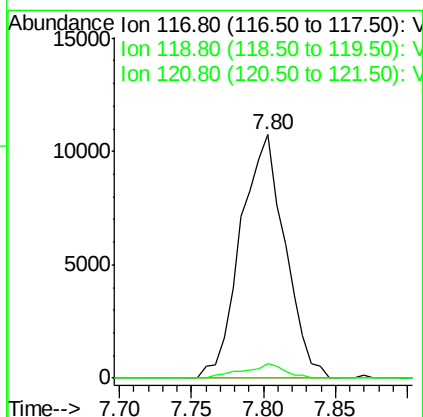
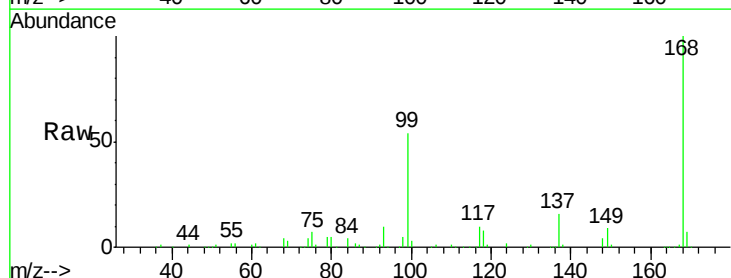
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(0-2)

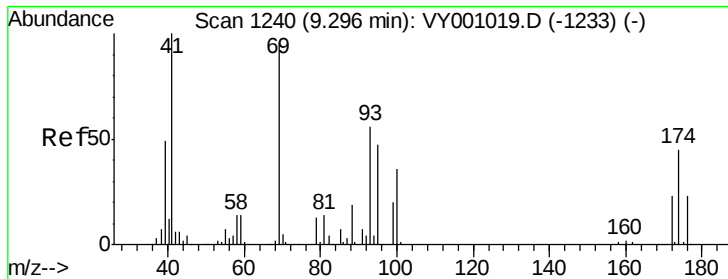
Tgt Ion: 75 Resp: 18065
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.4#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.250 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001071.D
 Acq: 26 Dec 2019 14:53

Tgt Ion: 117 Resp: 23000
 Ion Ratio Lower Upper
 117 100
 119 6.1 74.2 111.2#
 121 0.0 22.9 34.3#

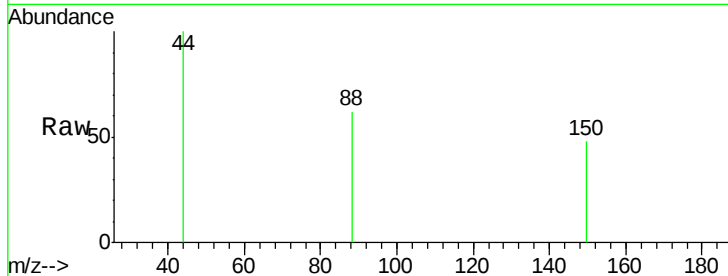




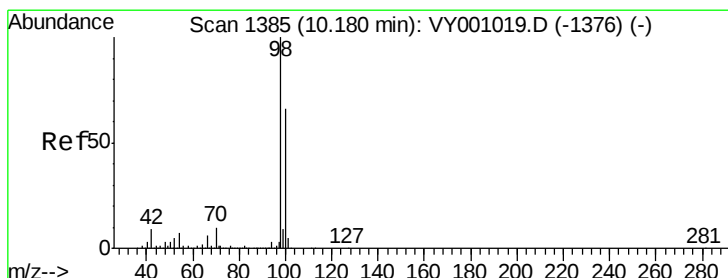
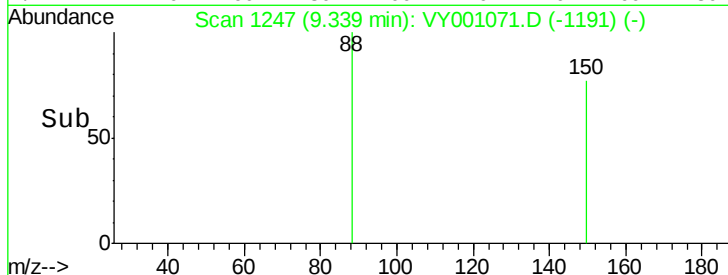
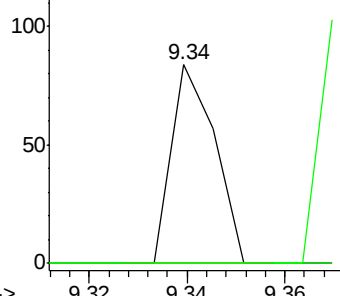
#49
1,4-Dioxane
Concen: 2.169 ug/l
RT: 9.34 min Scan# 1247
Delta R.T. 0.04 min
Lab File: VY001071.D
Acq: 26 Dec 2019 14:53

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(0-2)

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 23.0 34.4#
58 0.0 54.9 82.3#

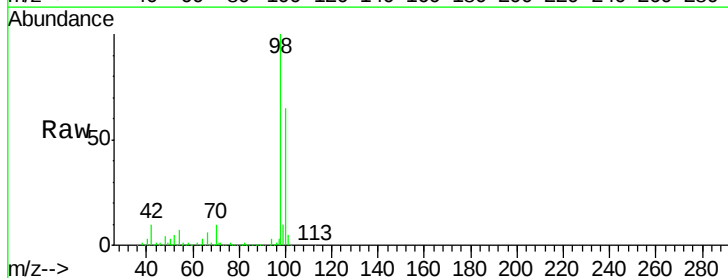


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

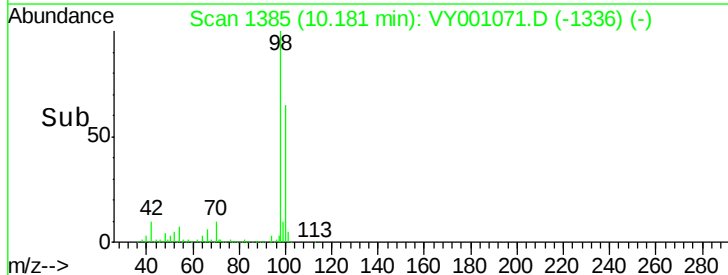
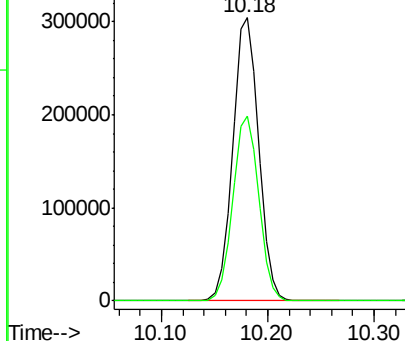


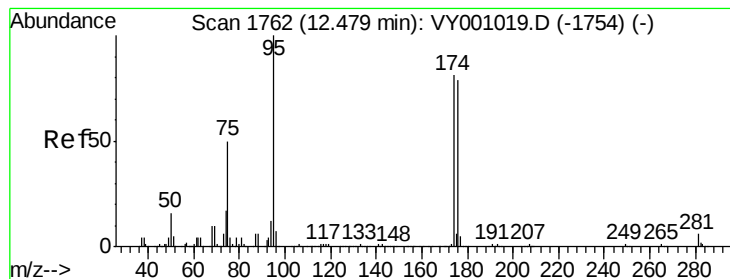
#50
Toluene-d8
Concen: 51.355 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001071.D
Acq: 26 Dec 2019 14:53

Tgt Ion: 98 Resp: 520278
Ion Ratio Lower Upper
98 100
100 65.4 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: 45.636 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001071.D

Acq: 26 Dec 2019 14:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(0-2)

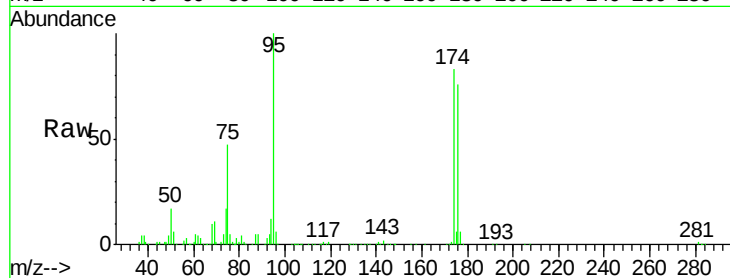
Tgt Ion: 95 Resp: 169039

Ion Ratio Lower Upper

95 100

174 77.9 0.0 156.4

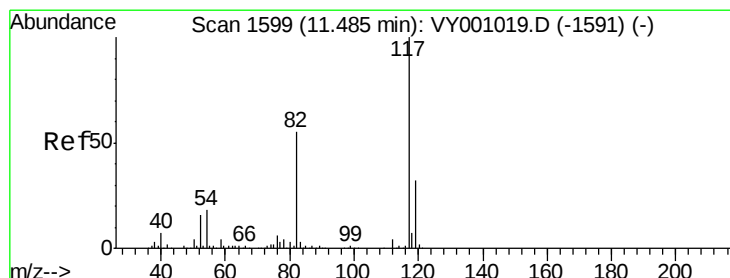
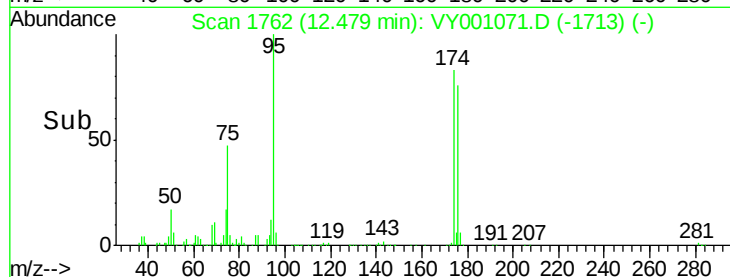
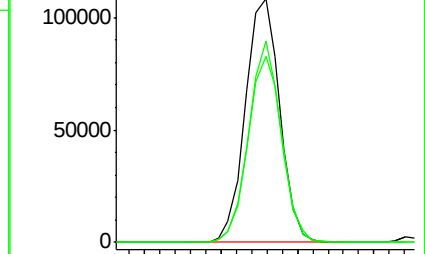
176 75.2 0.0 155.0



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: VY001071.D

Acq: 26 Dec 2019 14:53

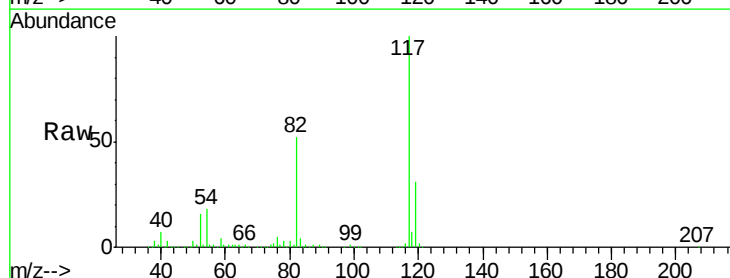
Tgt Ion: 117 Resp: 390232

Ion Ratio Lower Upper

117 100

82 51.8 43.8 65.8

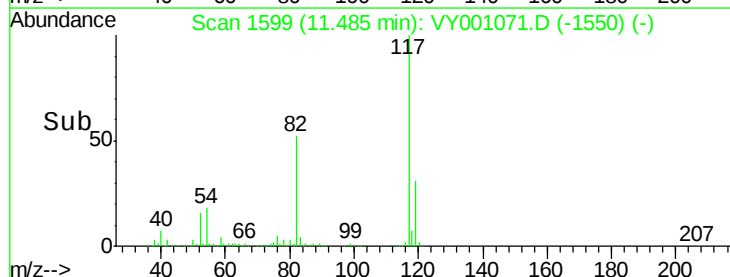
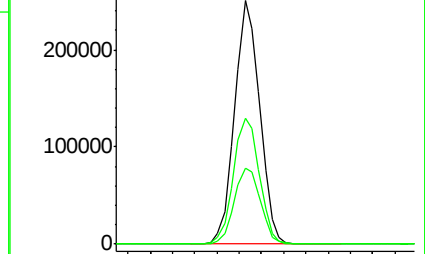
119 31.4 25.8 38.6

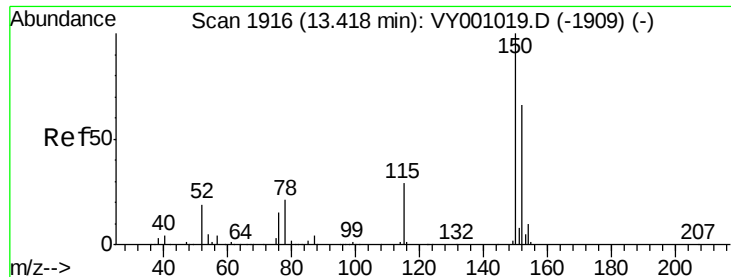


Abundance Ion 116.90 (116.60 to 117.60): VY001019.D (-1591) (-)

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: VY001071.D

Acq: 26 Dec 2019 14:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(0-2)

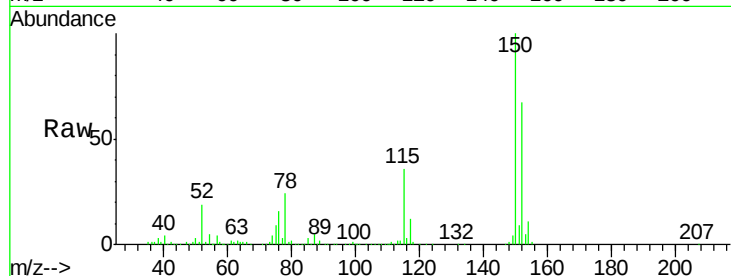
Tgt Ion:152 Resp: 167608

Ion Ratio Lower Upper

152 100

115 58.2 29.8 89.3

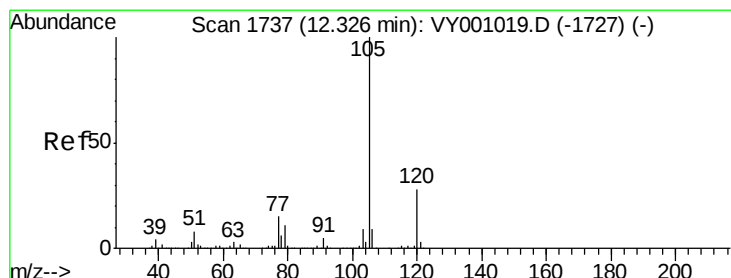
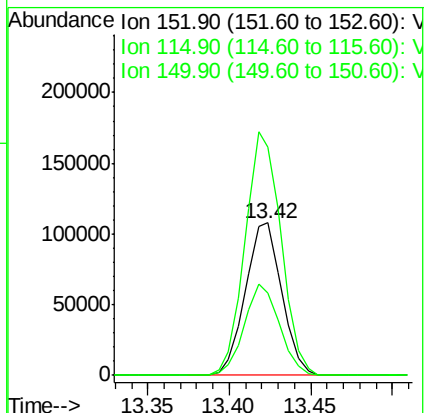
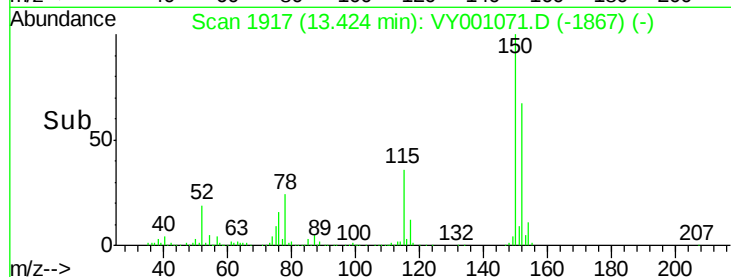
150 157.7 0.0 352.6



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



#73

Isopropylbenzene

Concen: 1.149 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY001071.D

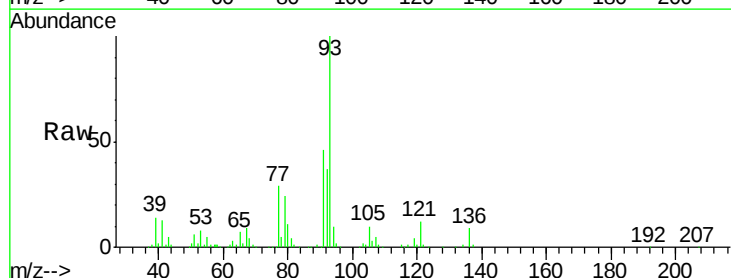
Acq: 26 Dec 2019 14:53

Tgt Ion:105 Resp: 14897

Ion Ratio Lower Upper

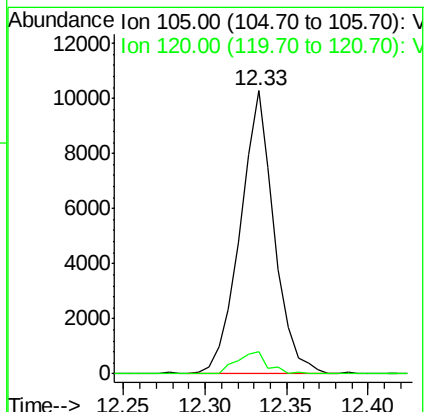
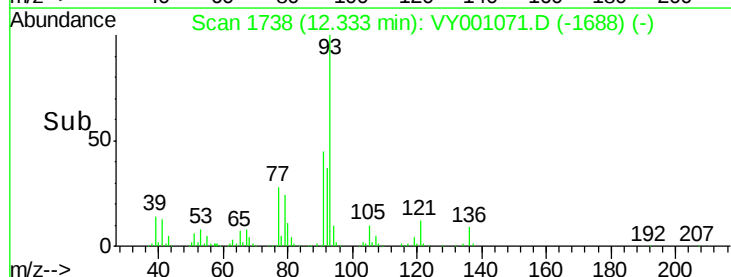
105 100

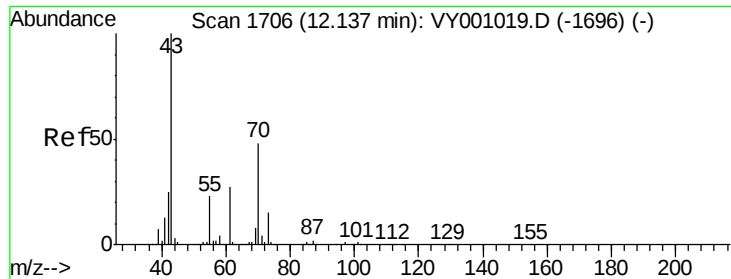
120 7.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 2.353 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.20 min

Lab File: VY001071.D

Acq: 26 Dec 2019 14:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(0-2)

Tgt Ion: 43 Resp: 8018

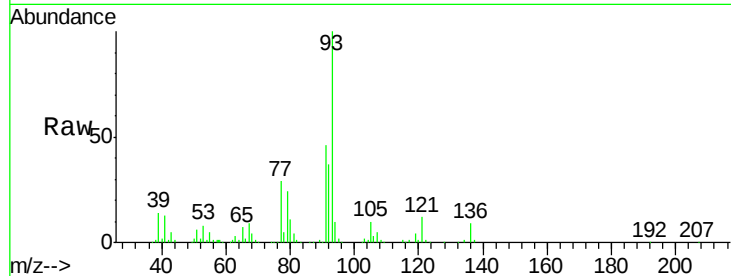
Ion Ratio Lower Upper

43 100

70 4.5 39.0 58.6#

55 104.2 19.5 29.3#

61 1.5 22.0 33.0#

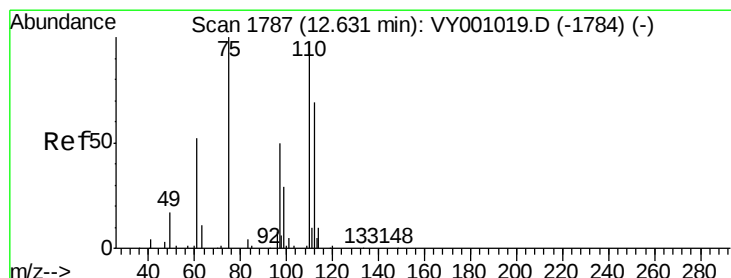
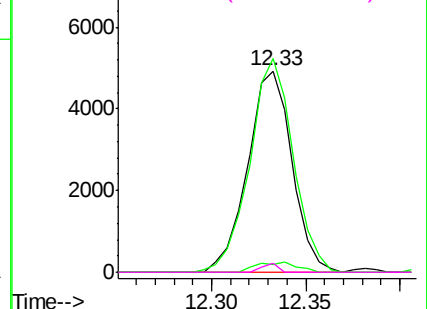
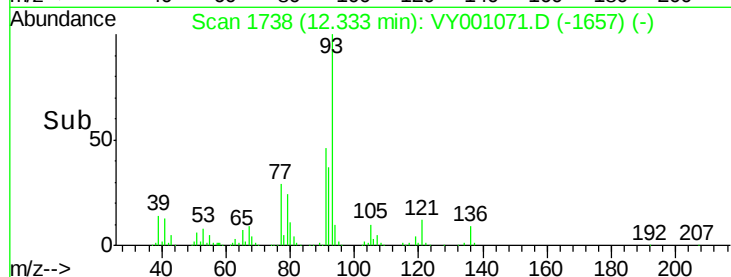


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 38.867 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.16 min

Lab File: VY001071.D

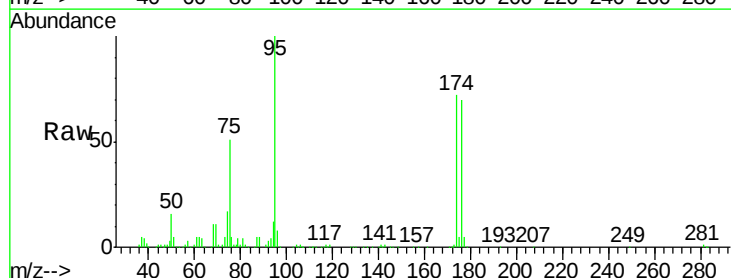
Acq: 26 Dec 2019 14:53

Tgt Ion: 75 Resp: 80310

Ion Ratio Lower Upper

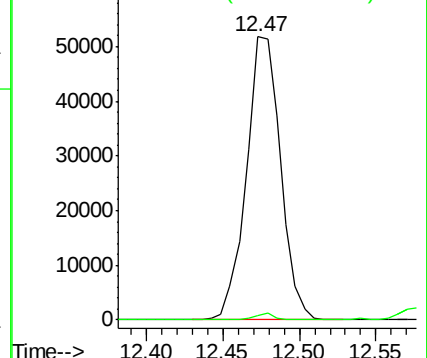
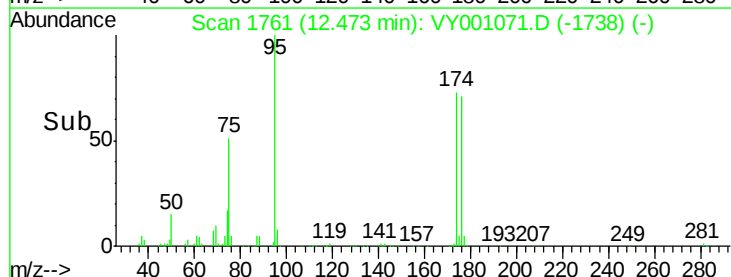
75 100

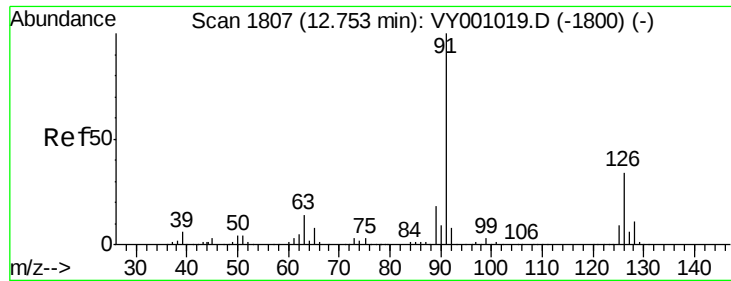
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

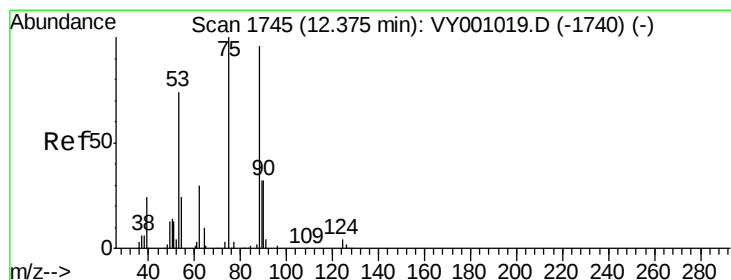
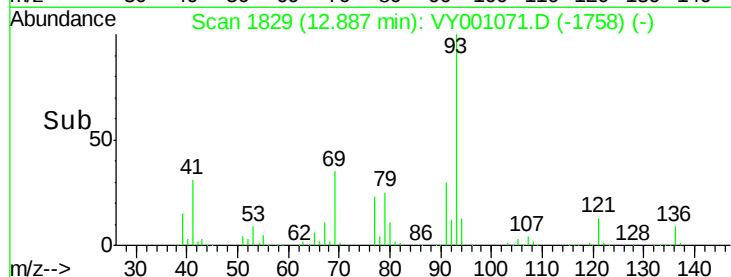
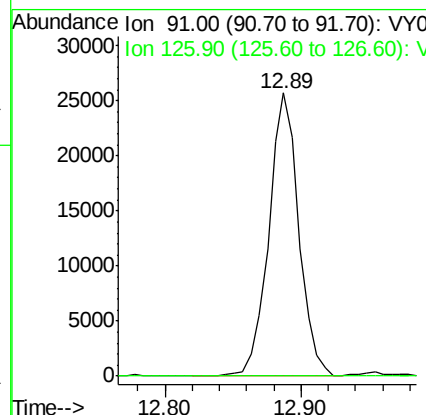
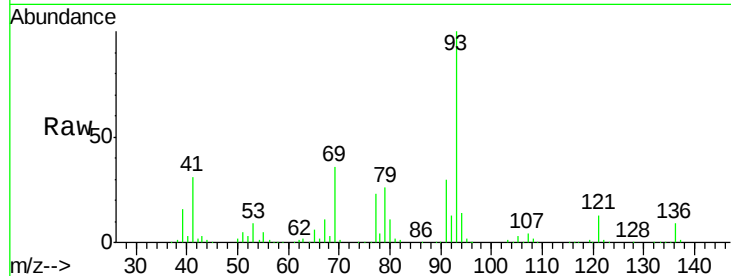




#79
 2-Chlorotoluene
 Concen: 4.544 ug/l
 RT: 12.89 min Scan# 1829
 Delta R.T. 0.13 min
 Lab File: VY001071.D
 Acq: 26 Dec 2019 14:53

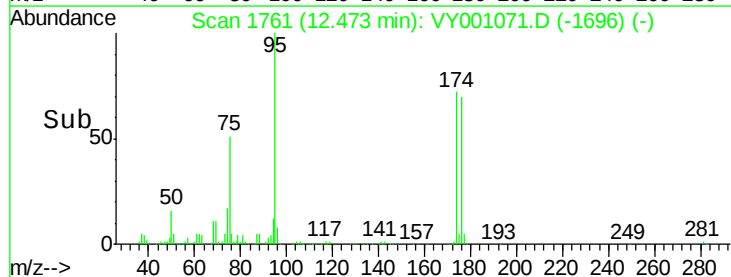
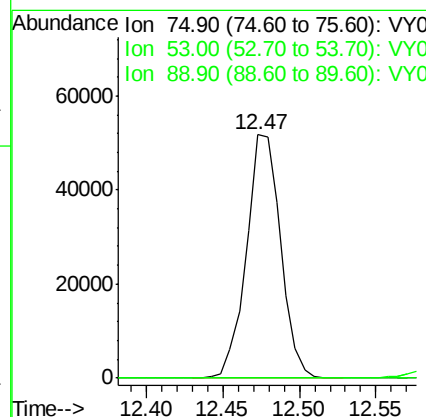
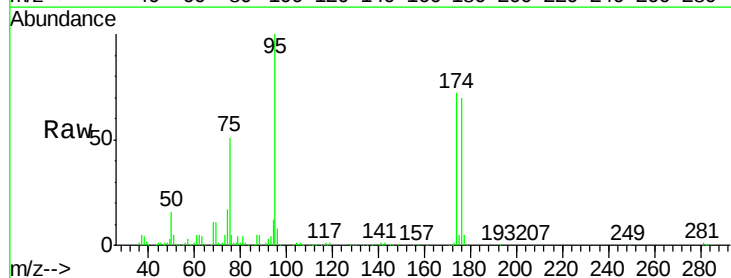
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(0-2)

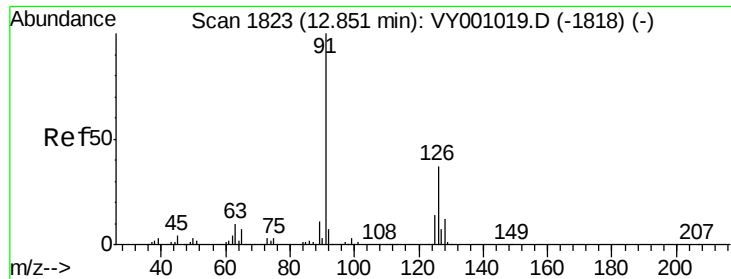
Tgt Ion: 91 Resp: 39657
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.3 51.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.895 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. 0.10 min
 Lab File: VY001071.D
 Acq: 26 Dec 2019 14:53

Tgt Ion: 75 Resp: 80310
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.6 91.0#
 89 0.1 35.4 53.0#





#82
 4-Chlorotoluene
 Concen: 4.375 ug/l
 RT: 12.89 min Scan# 1829
 Delta R.T. 0.04 min
 Lab File: VY001071.D
 Acq: 26 Dec 2019 14:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(0-2)

Tgt Ion: 91 Resp: 39657
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.6 52.8#

