

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001082.D
 Acq On : 26 Dec 2019 18:54
 Operator : SY/MD
 Sample : K6438-05
 Misc : 5.51G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF003-01

Quant Time: Dec 27 02:13:54 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	233973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	434316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	399431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175132	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	125494	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
35) Dibromofluoromethane	7.73	113	124309	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.18	98	511717	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.48	95	169625	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

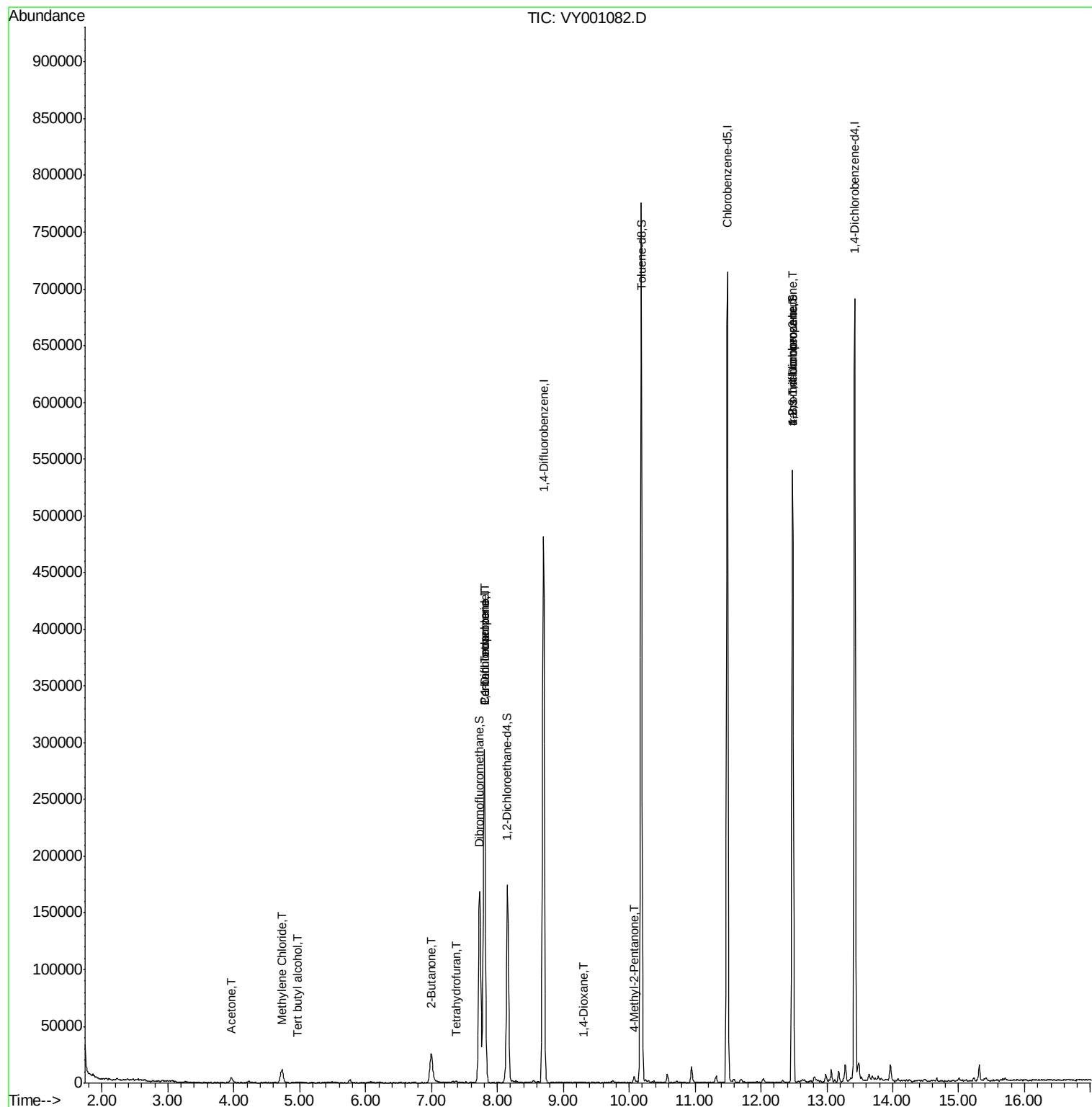
Target Compounds					Qvalue
11) Tert butyl alcohol	4.97	59	1093	4.308 ug/l #	74
16) Acetone	3.96	43	7830	14.729 ug/l	95
20) Methylene Chloride	4.73	84	9107	2.910 ug/l	86
25) 2-Butanone	7.00	43	3589	3.843 ug/l #	82
29) Tetrahydrofuran	7.38	42	752	1.132 ug/l #	60
36) 1,1-Dichloropropene	7.80	75	18493	4.463 ug/l #	49
38) Carbon Tetrachloride	7.80	117	22986	6.332 ug/l #	17
49) 1,4-Dioxane	9.30	88	48	2.030 ug/l #	24
51) 4-Methyl-2-Pentanone	10.07	43	3546	1.602 ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	81397	37.701 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81397	80.407 ug/l #	19

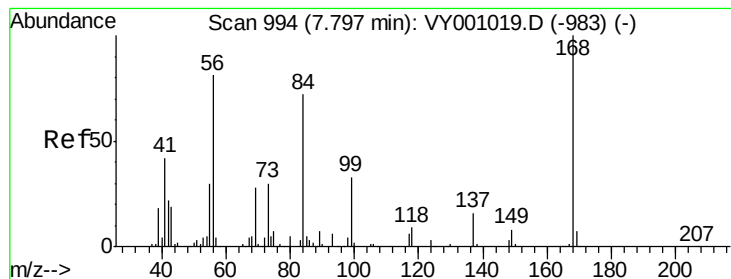
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
Data File : VY001082.D
Acq On : 26 Dec 2019 18:54
Operator : SY/MD
Sample : K6438-05
Misc : 5.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF003-01

Quant Time: Dec 27 02:13:54 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# 995

Delta R.T. 0.01 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Instrument :

MSVOA_Y

ClientSampleId :

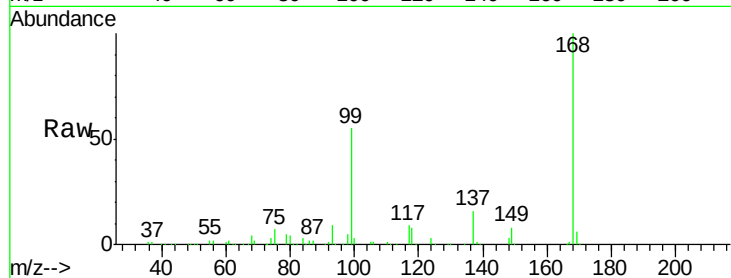
DUNR-BF003-01

Tgt Ion:168 Resp: 233973

Ion Ratio Lower Upper

168 100

99 54.9 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

120000

100000

80000

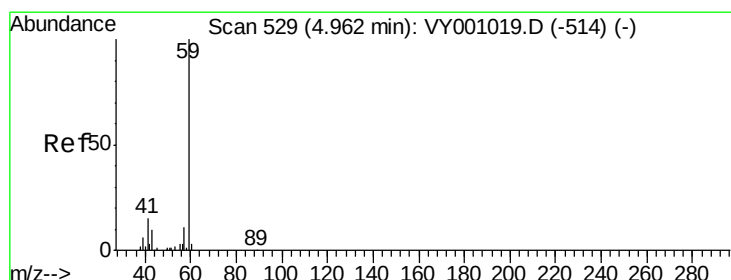
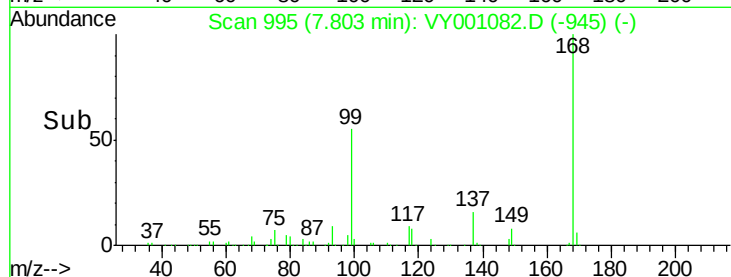
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.308 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY001082.D

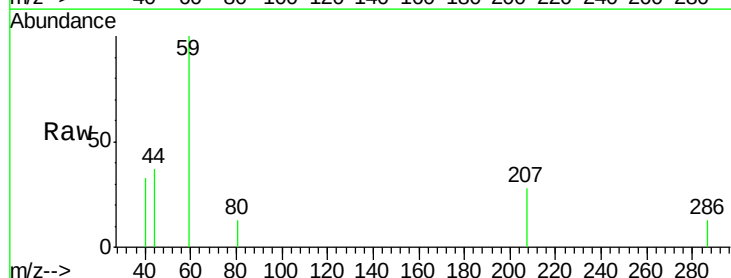
Acq: 26 Dec 2019 18:54

Tgt Ion: 59 Resp: 1093

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) (-)

4.97

500

400

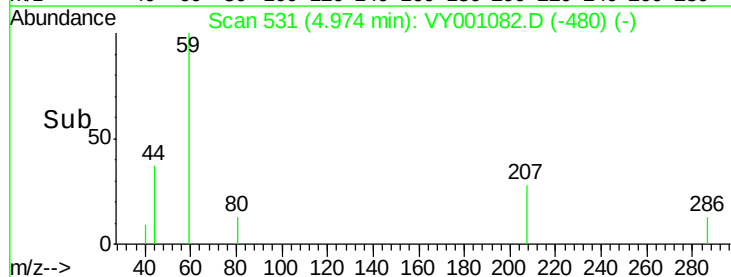
300

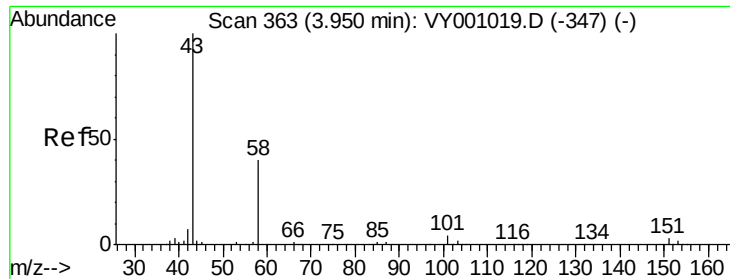
200

100

0

Time-->





#16

Acetone

Concen: 14.729 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Instrument :

MSVOA_Y

ClientSampleId :

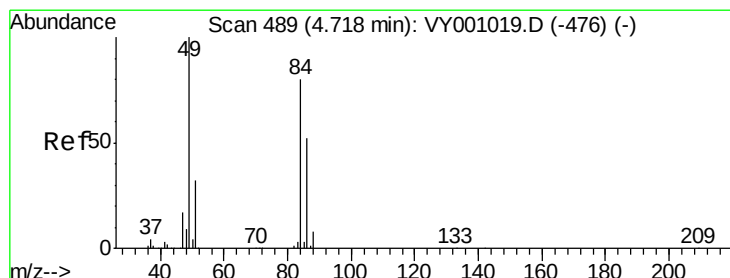
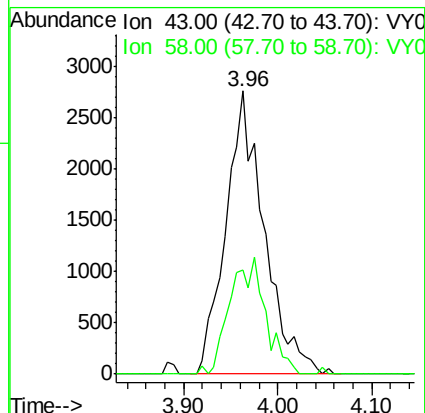
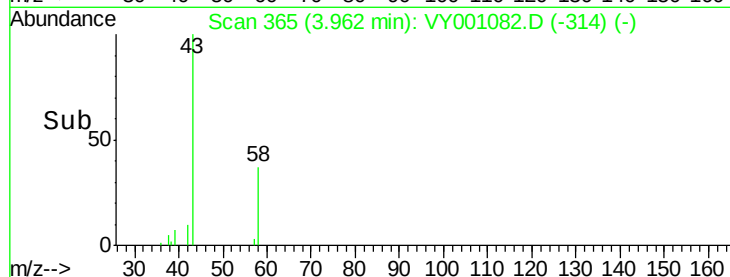
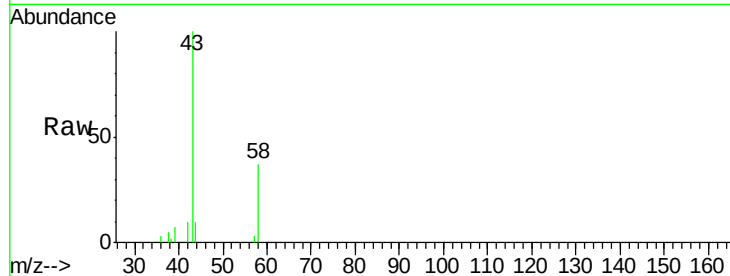
DUNR-BF003-01

Tgt Ion: 43 Resp: 7830

Ion Ratio Lower Upper

43 100

58 37.0 32.1 48.1



#20

Methylene Chloride

Concen: 2.910 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Tgt Ion: 84 Resp: 9107

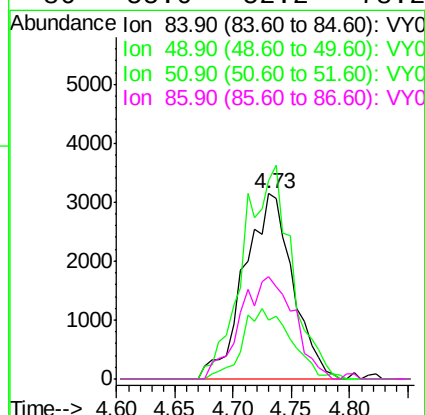
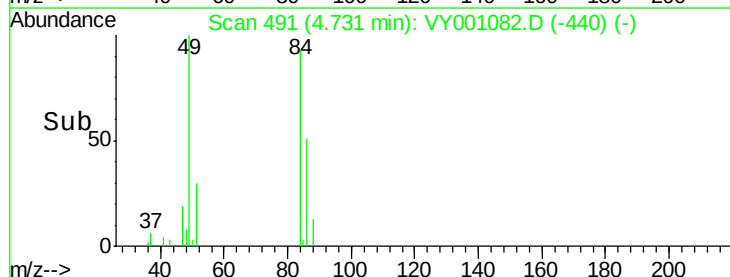
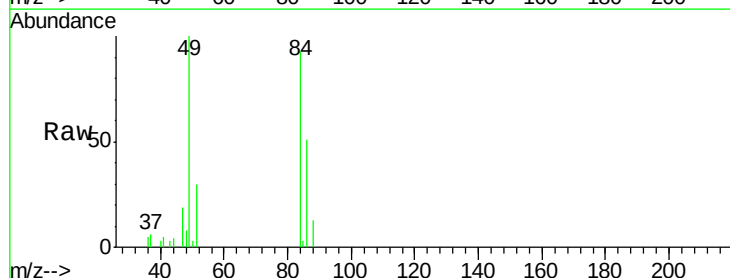
Ion Ratio Lower Upper

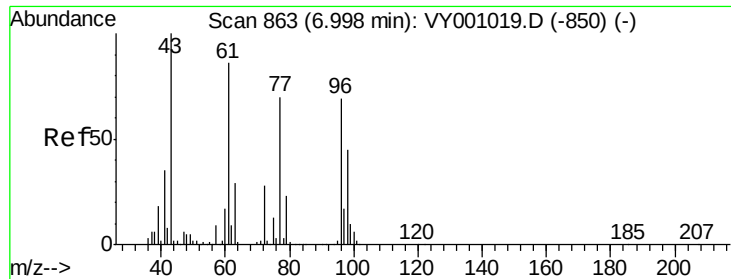
84 100

49 107.1 99.8 149.6

51 32.0 31.4 47.2

86 55.0 52.2 78.2





#25

2-Butanone

Concen: 3.843 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Instrument :

MSVOA_Y

ClientSampleId :

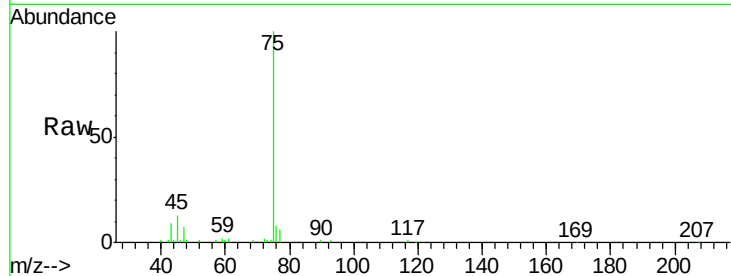
DUNR-BF003-01

Tgt Ion: 43 Resp: 3589

Ion Ratio Lower Upper

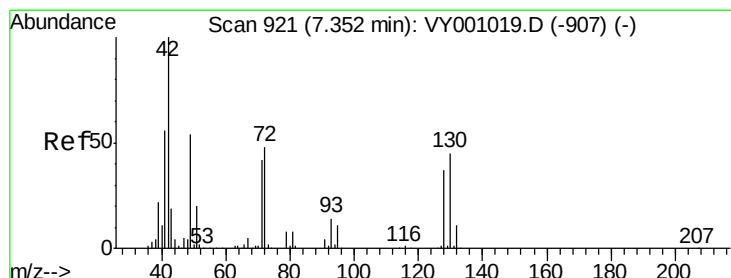
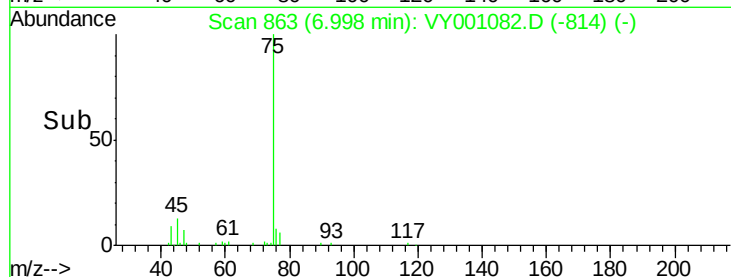
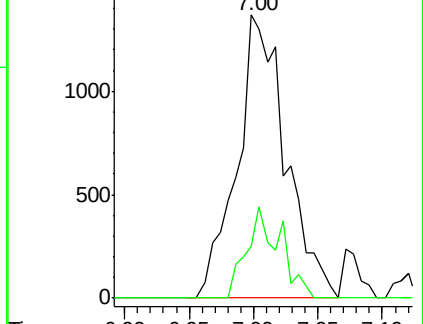
43 100

72 18.3 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.132 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

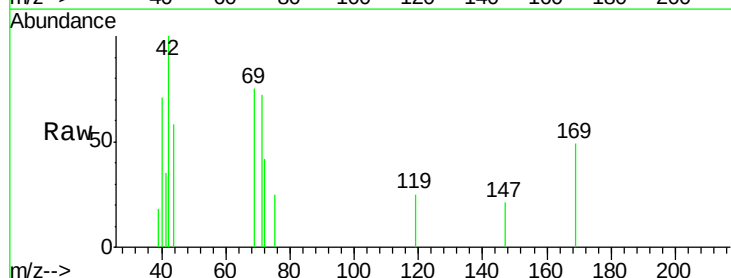
Tgt Ion: 42 Resp: 752

Ion Ratio Lower Upper

42 100

72 14.9 37.7 56.5#

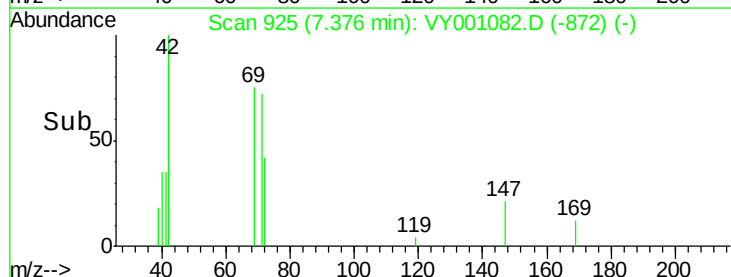
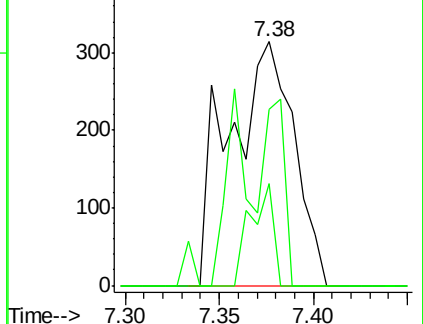
71 22.7 34.6 51.8#

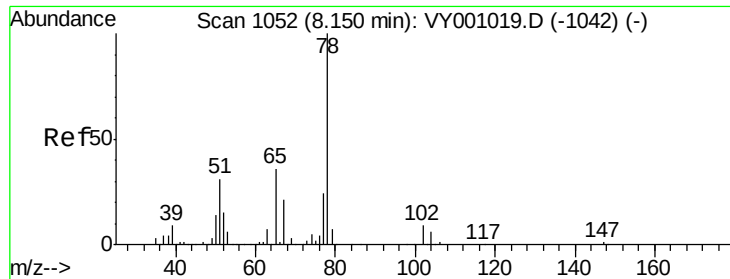


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

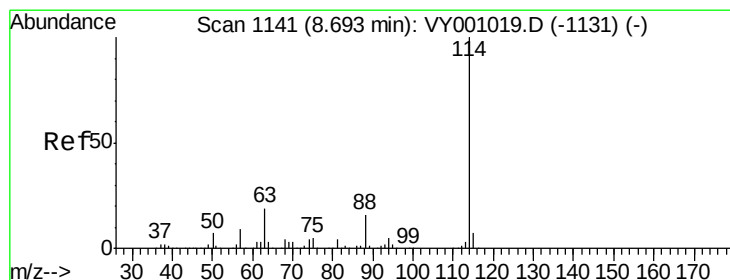
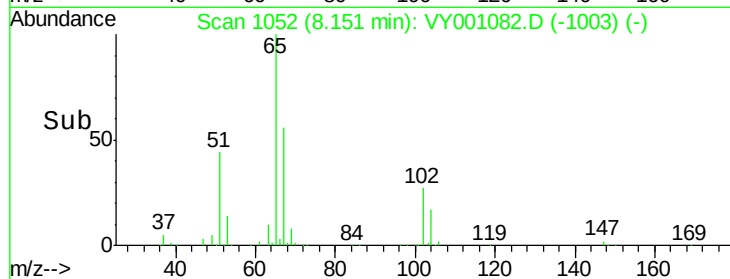
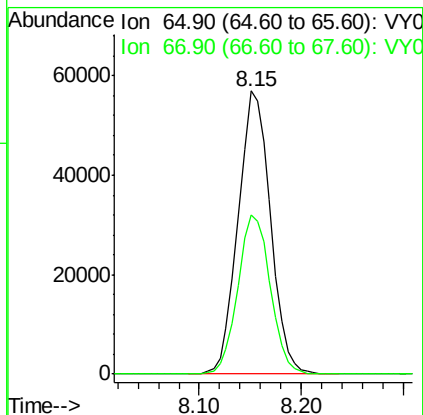
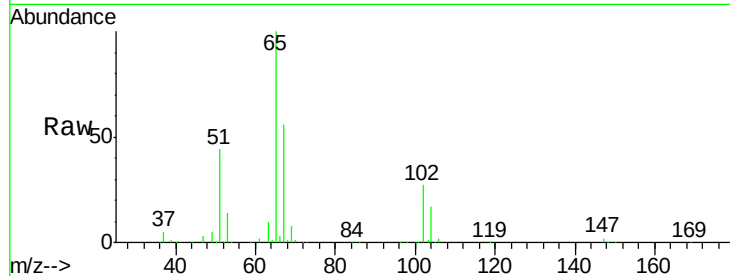




#33
 1,2-Dichloroethane-d4
 Concen: 54.382 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001082.D
 Acq: 26 Dec 2019 18:54

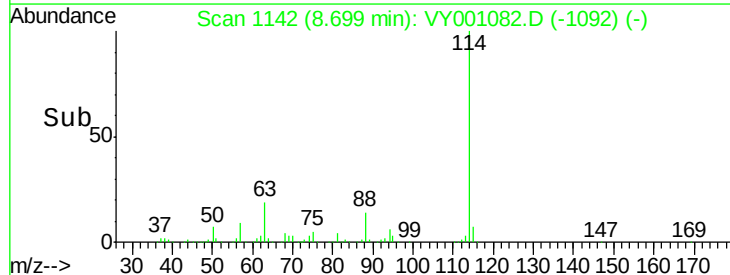
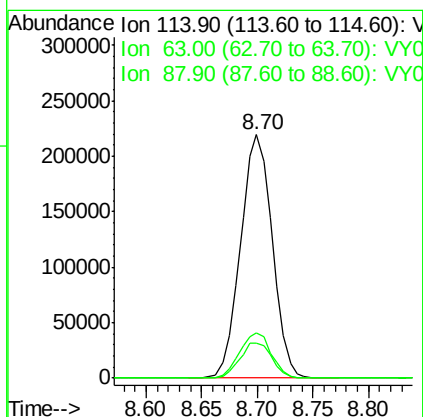
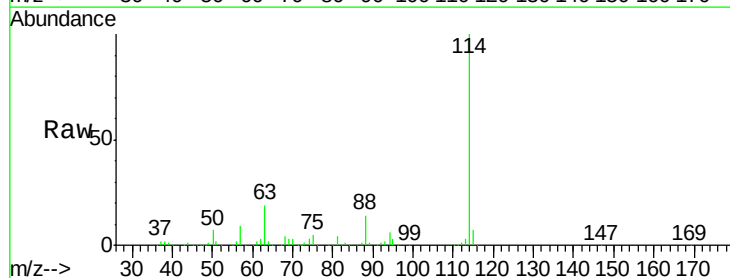
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF003-01

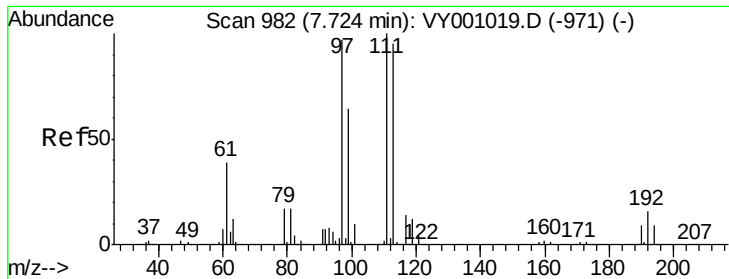
Tgt Ion: 65 Resp: 125494
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001082.D
 Acq: 26 Dec 2019 18:54

Tgt Ion: 114 Resp: 434316
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 14.3 0.0 32.0

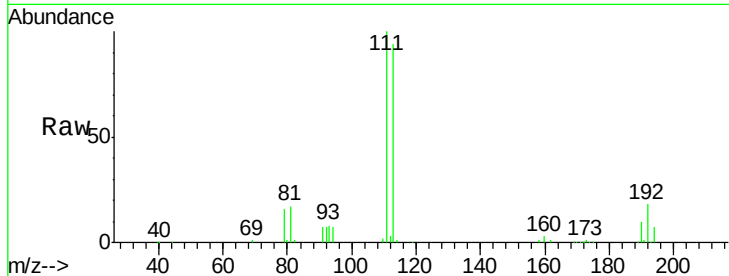




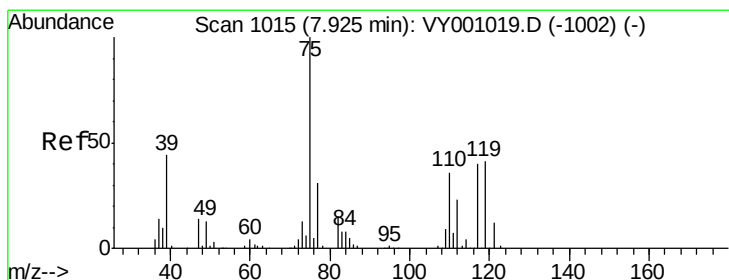
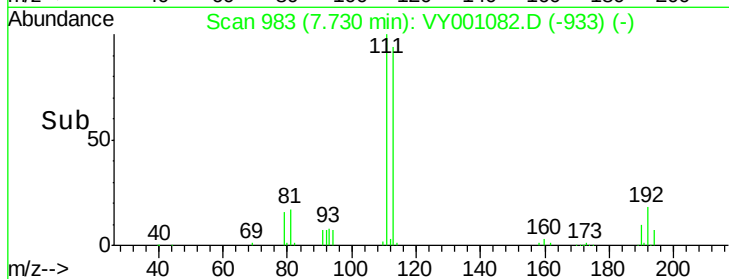
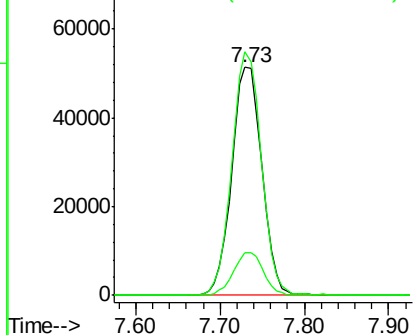
#35
 Dibromofluoromethane
 Concen: 48.606 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001082.D
 Acq: 26 Dec 2019 18:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF003-01

Tgt Ion:113 Resp: 124309
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.0 124.4
 192 18.6 14.6 21.8

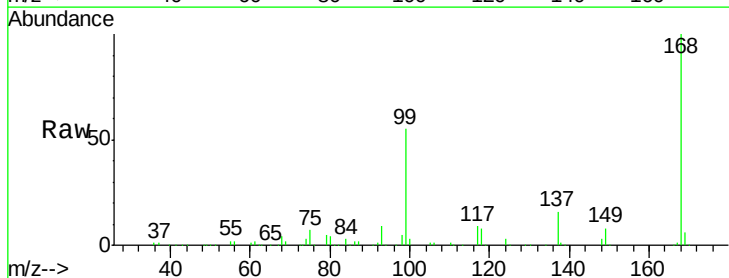


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

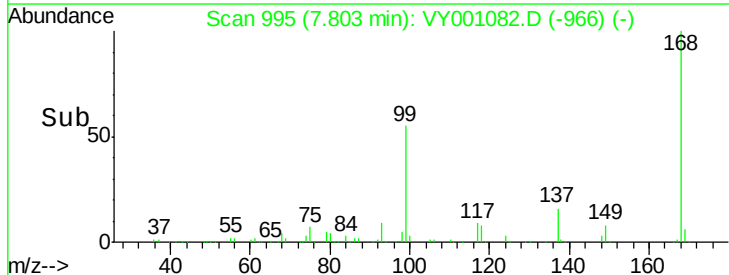
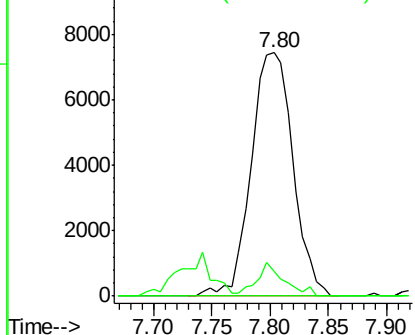


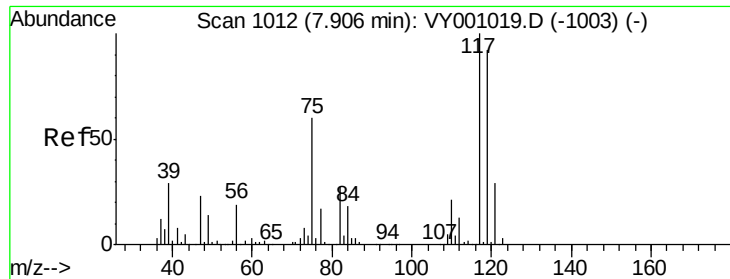
#36
 1,1-Dichloropropene
 Concen: 4.463 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001082.D
 Acq: 26 Dec 2019 18:54

Tgt Ion: 75 Resp: 18493
 Ion Ratio Lower Upper
 75 100
 110 9.0 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: 6.332 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF003-01

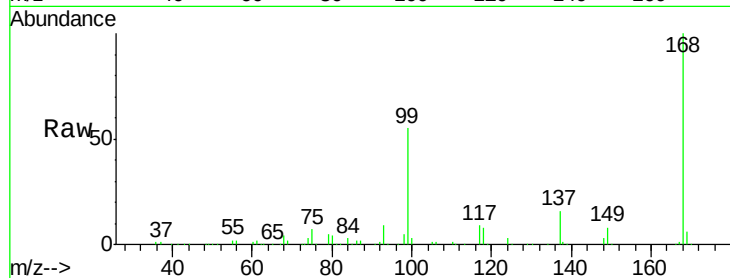
Tgt Ion:117 Resp: 22986

Ion Ratio Lower Upper

117 100

119 4.4 74.2 111.2#

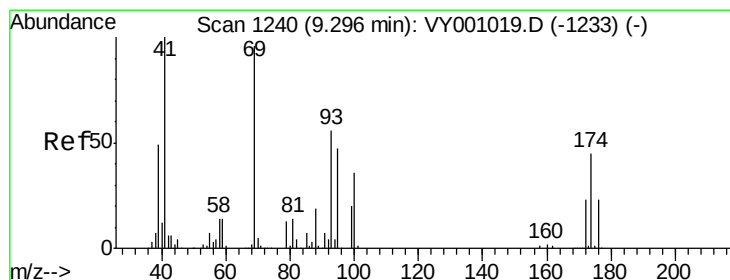
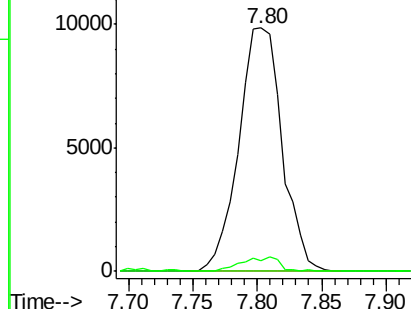
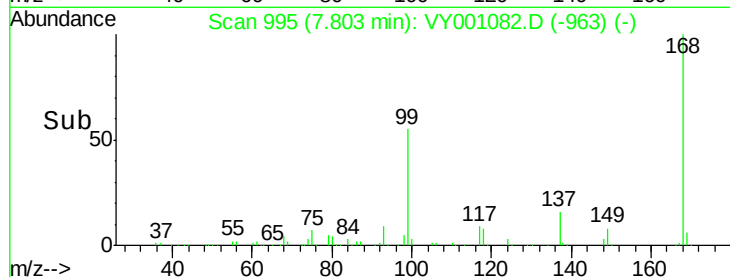
121 0.0 22.9 34.3#



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



#49

1,4-Dioxane

Concen: 2.030 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

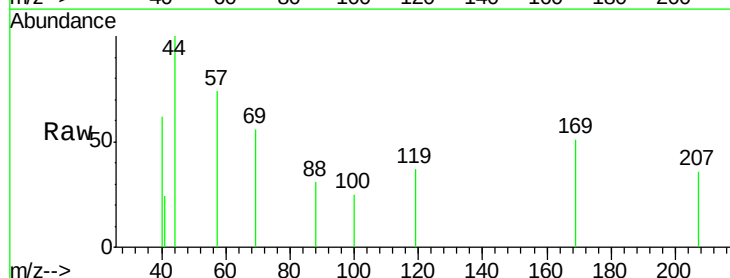
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 23.0 34.4#

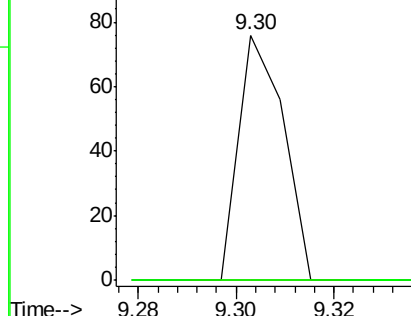
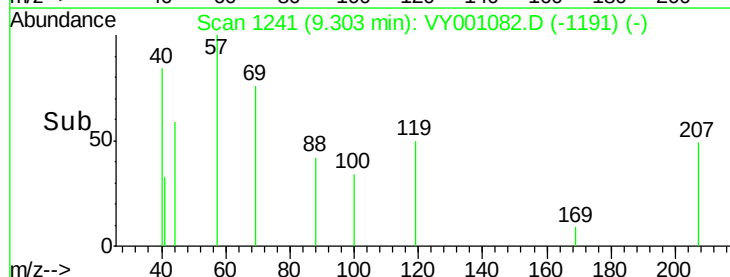
58 0.0 54.9 82.3#

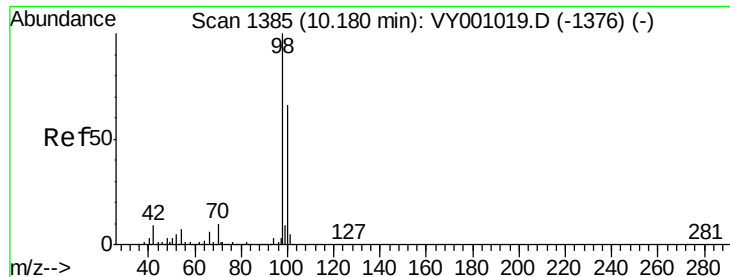


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.199 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Instrument :

MSVOA_Y

ClientSampleId :

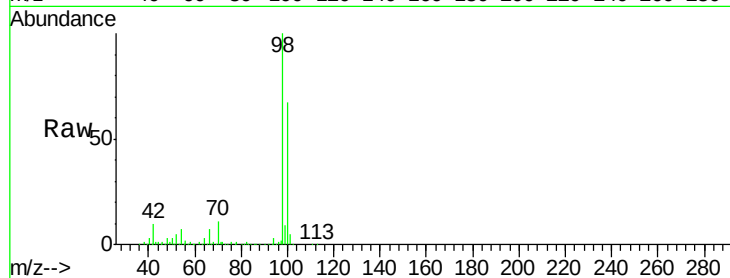
DUNR-BF003-01

Tgt Ion: 98 Resp: 511717

Ion Ratio Lower Upper

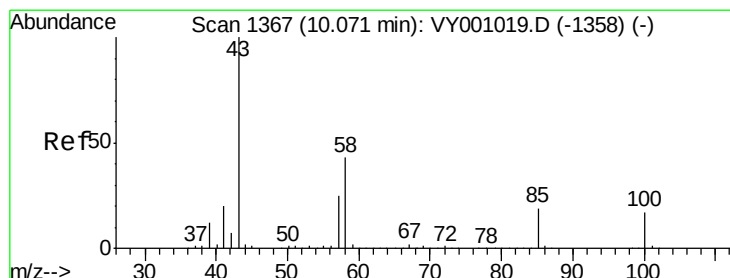
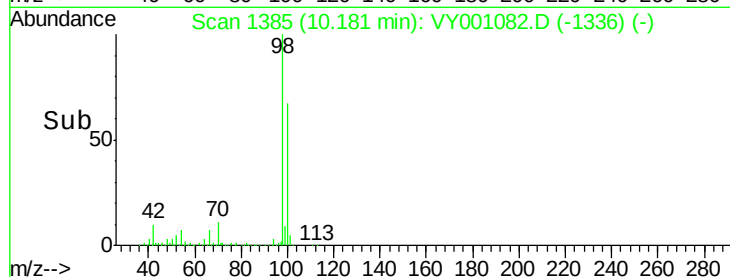
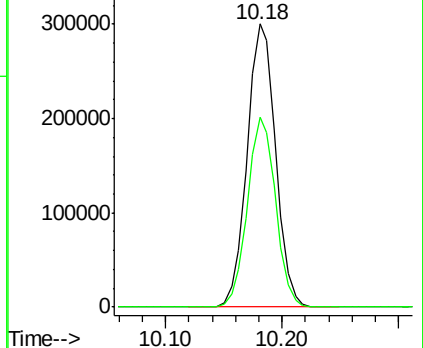
98 100

100 66.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.602 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001082.D

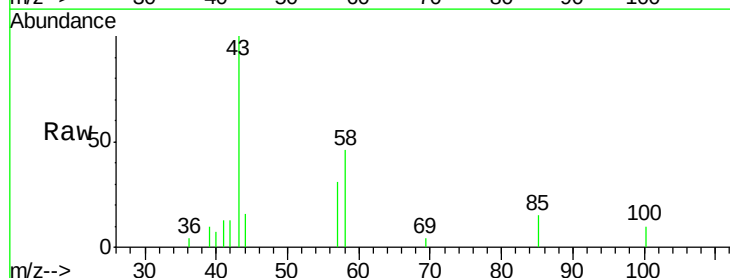
Acq: 26 Dec 2019 18:54

Tgt Ion: 43 Resp: 3546

Ion Ratio Lower Upper

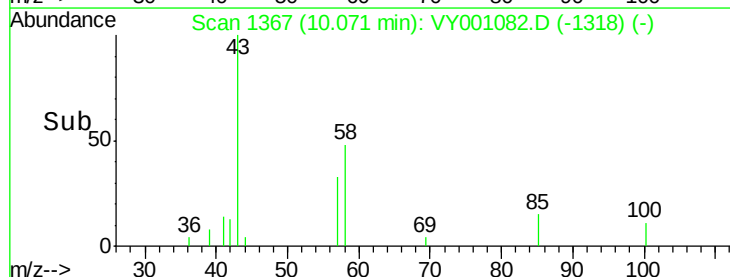
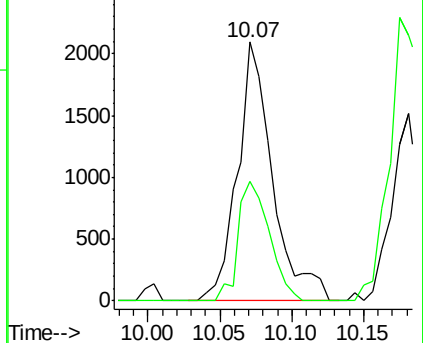
43 100

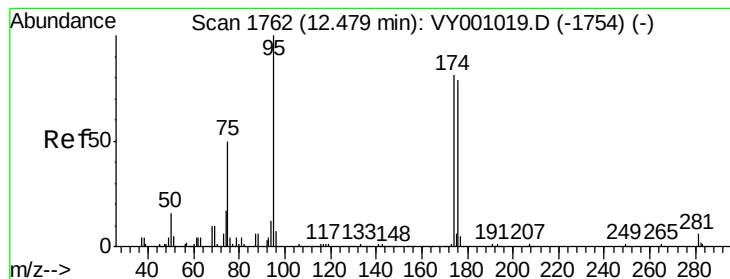
58 41.1 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#62

4-Bromofluorobenzene

Concen: 46.419 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF003-01

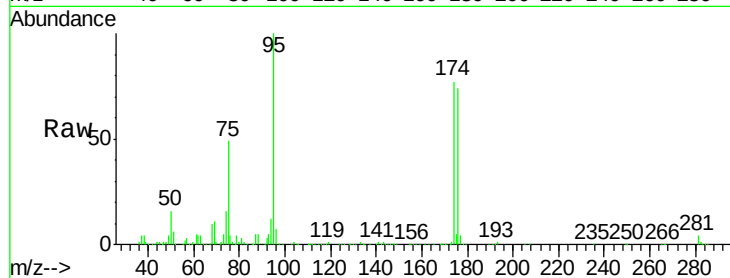
Tgt Ion: 95 Resp: 169625

Ion Ratio Lower Upper

95 100

174 78.4 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) (-)

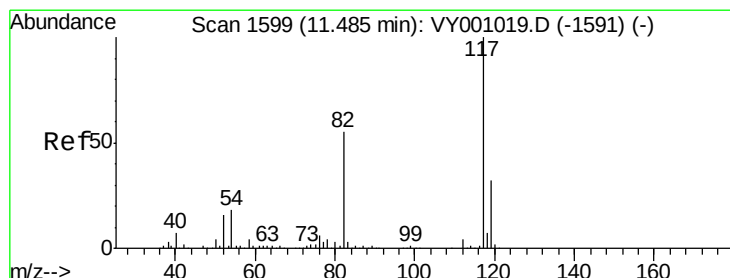
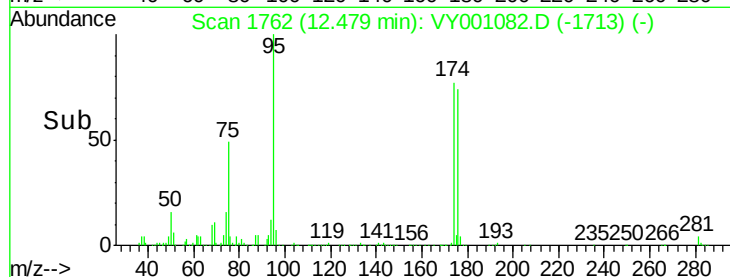
12.48

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

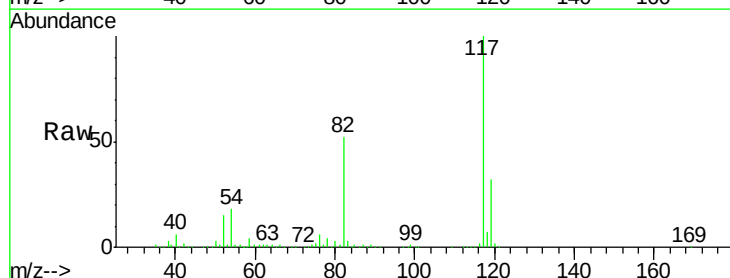
Tgt Ion: 117 Resp: 399431

Ion Ratio Lower Upper

117 100

82 51.7 43.8 65.8

119 31.8 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) (-)

11.49

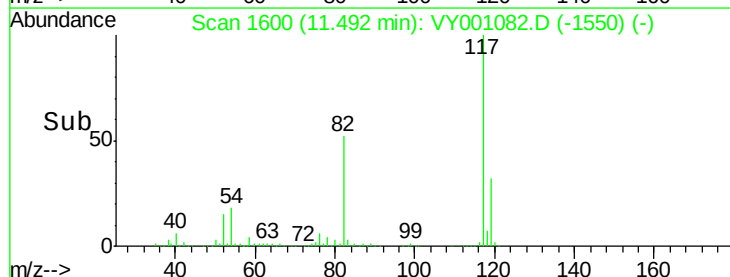
300000

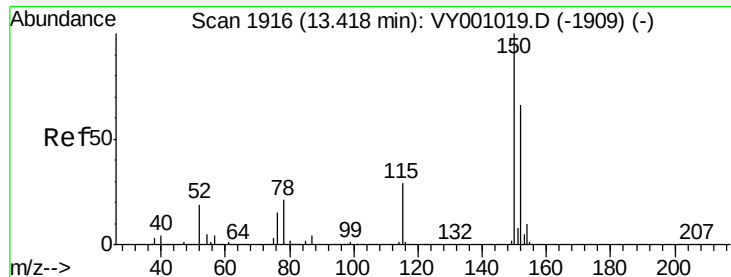
200000

100000

0

Time-->



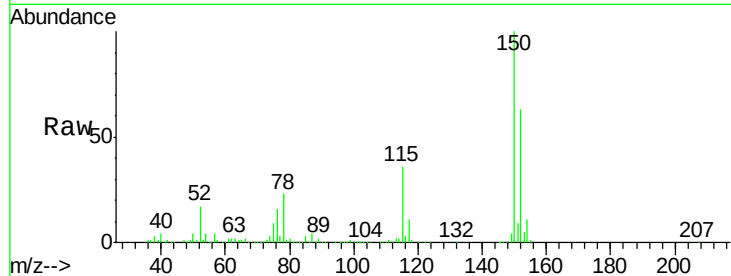


#72

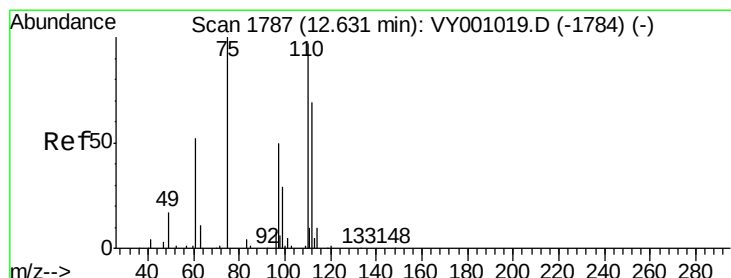
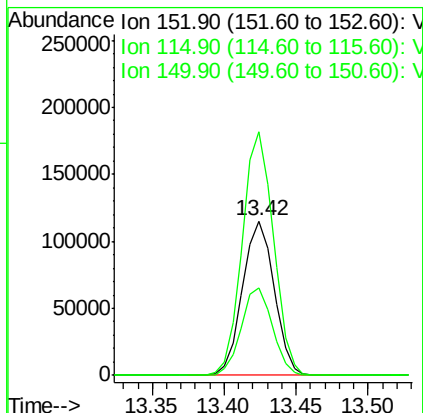
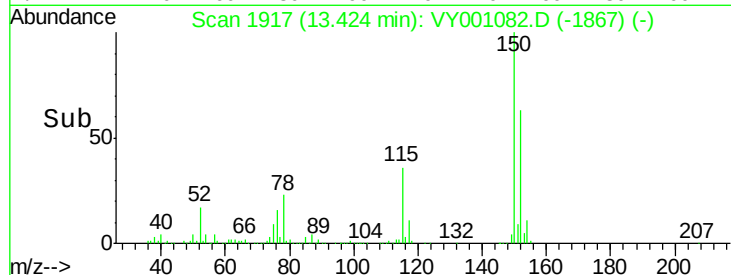
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001082.D
Acq: 26 Dec 2019 18:54

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF003-01

Tgt Ion:152 Resp: 175132
Ion Ratio Lower Upper
152 100
115 56.1 29.8 89.3
150 155.8 0.0 352.6



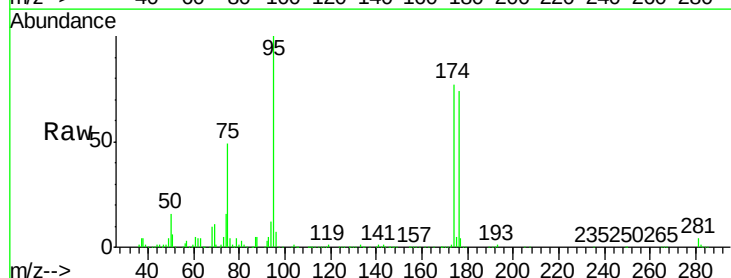
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



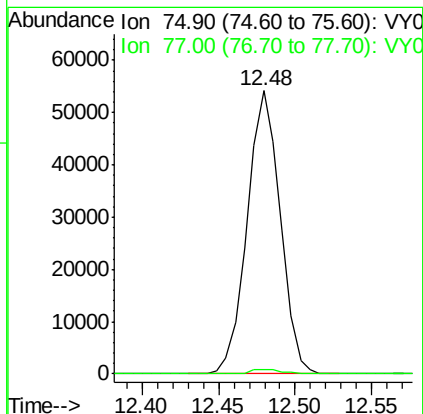
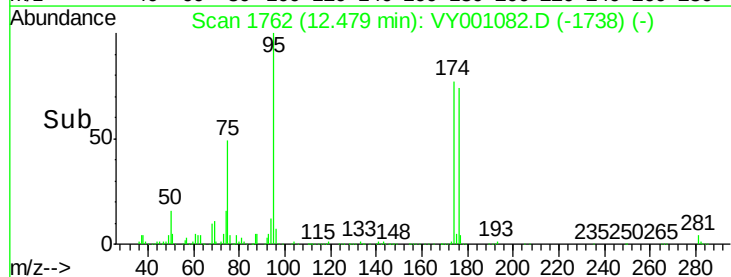
#76

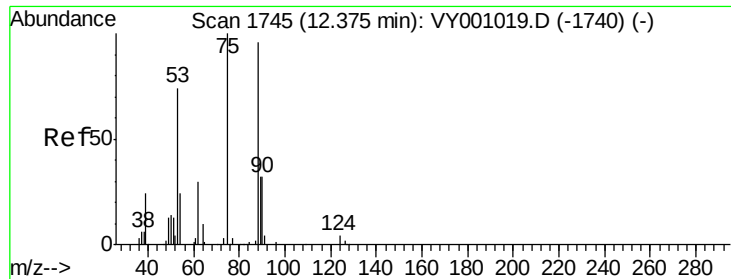
1,2,3-Trichloropropane
Concen: 37.701 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001082.D
Acq: 26 Dec 2019 18:54

Tgt Ion: 75 Resp: 81397
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: 80.407 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001082.D

Acq: 26 Dec 2019 18:54

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF003-01

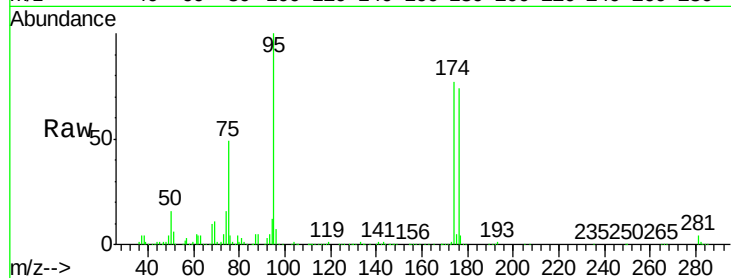
Tgt Ion: 75 Resp: 81397

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.0 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

