

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001081.D
 Acq On : 26 Dec 2019 18:32
 Operator : SY/MD
 Sample : K6438-03MSD
 Misc : 5.58G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF002-01

Quant Time: Dec 27 02:13:33 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	242672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	457161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	414052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	181170	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	128486	53.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.36%	
35) Dibromofluoromethane	7.73	113	132331	49.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.32%	
50) Toluene-d8	10.18	98	534976	50.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.48	95	178678	46.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.90%	

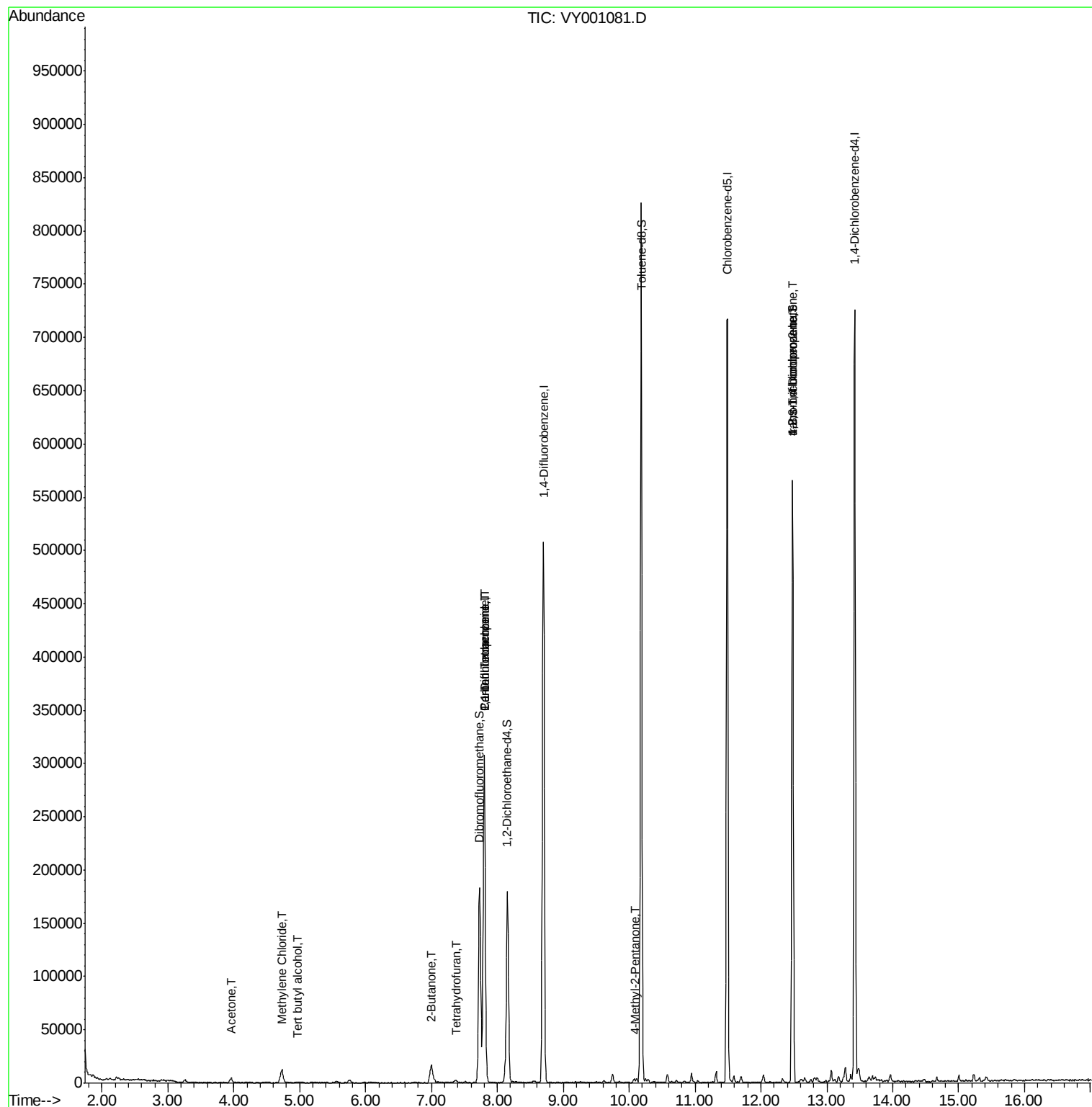
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	291	1.106	ug/l #	90
16) Acetone	3.97	43	7335	13.303	ug/l #	83
20) Methylene Chloride	4.72	84	9695	2.987	ug/l #	78
25) 2-Butanone	7.01	43	3096	3.196	ug/l #	81
29) Tetrahydrofuran	7.37	42	786	1.141	ug/l #	66
36) 1,1-Dichloropropene	7.80	75	17615	4.039	ug/l #	50
38) Carbon Tetrachloride	7.80	117	23730	6.210	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	2955	1.268	ug/l	90
76) 1,2,3-Trichloropropane	12.48	75	86093	38.547	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86093	82.212	ug/l #	19

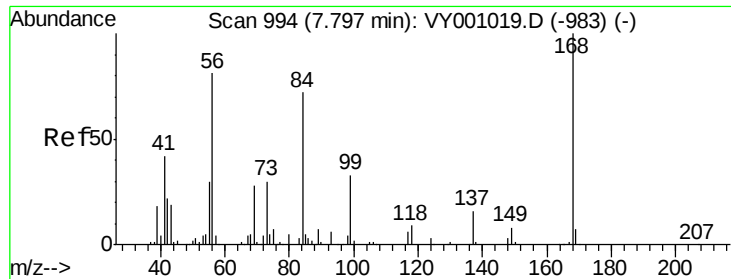
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001081.D

Acq: 26 Dec 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

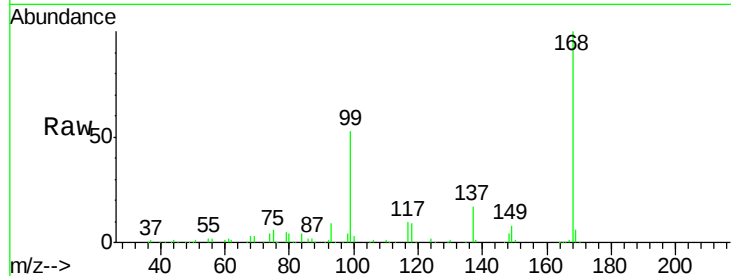
DUNR-BF002-01

Tgt Ion:168 Resp: 242672

Ion Ratio Lower Upper

168 100

99 52.8 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

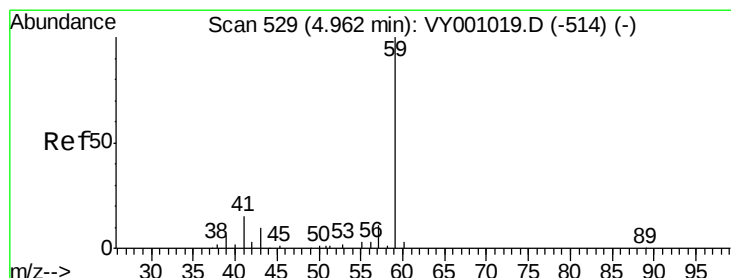
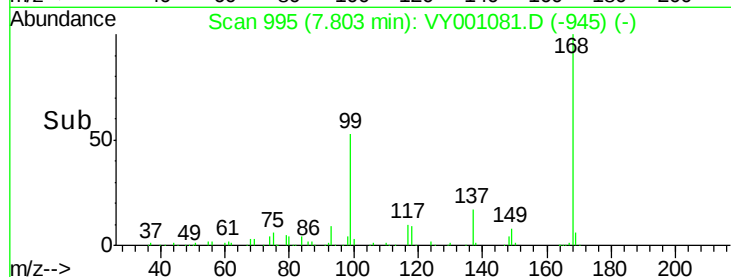
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.106 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001081.D

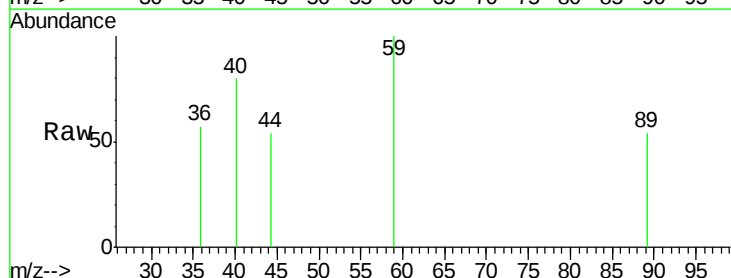
Acq: 26 Dec 2019 18:32

Tgt Ion: 59 Resp: 291

Ion Ratio Lower Upper

59 100

57 6.2 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

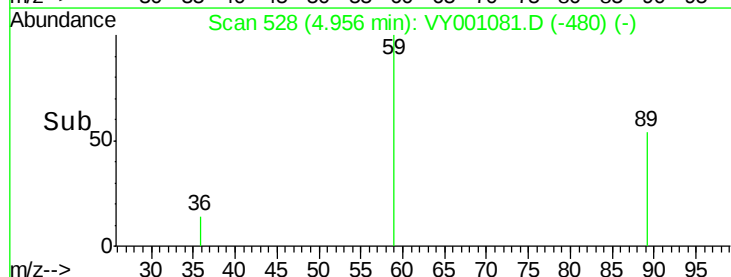
150

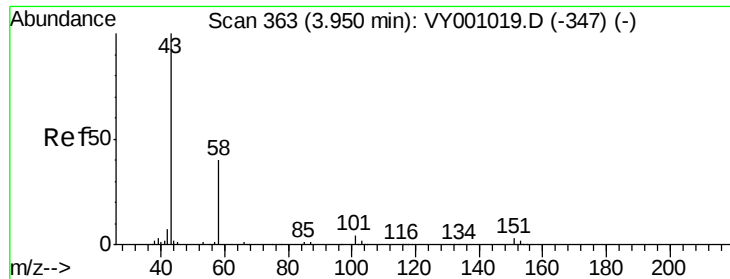
100

50

0

Time-->





#16

Acetone

Concen: 13.303 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001081.D

Acq: 26 Dec 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

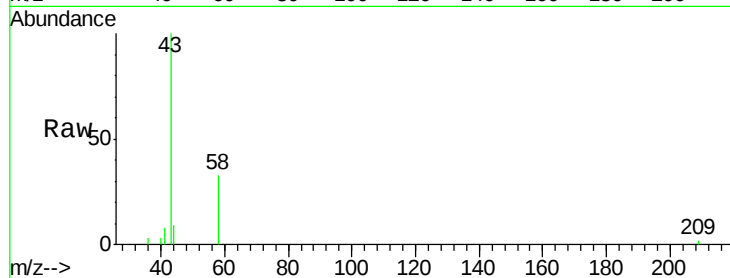
DUNR-BF002-01

Tgt Ion: 43 Resp: 7335

Ion Ratio Lower Upper

43 100

58 29.7 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3000

2500

2000

1500

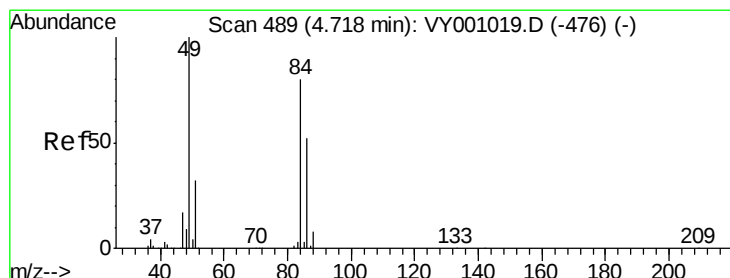
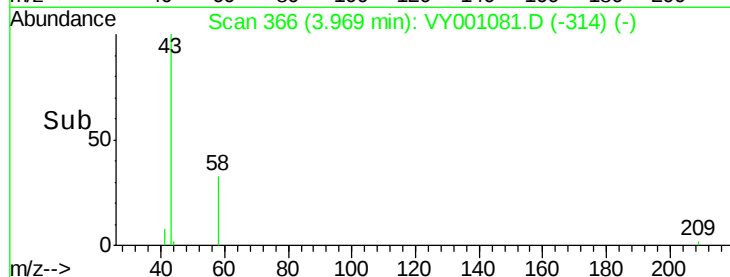
1000

500

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 2.987 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY001081.D

Acq: 26 Dec 2019 18:32

Tgt Ion: 84 Resp: 9695

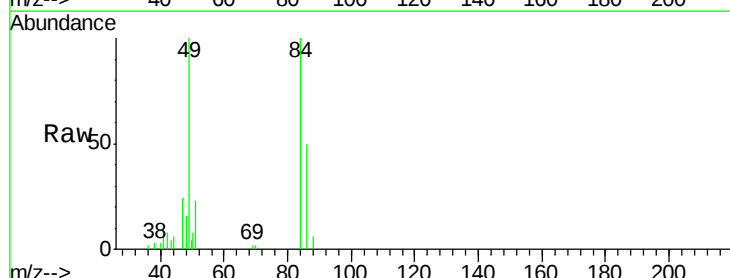
Ion Ratio Lower Upper

84 100

49 100.2 99.8 149.6

51 23.3 31.4 47.2#

86 50.0 52.2 78.2#



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

6000

5000

4000

3000

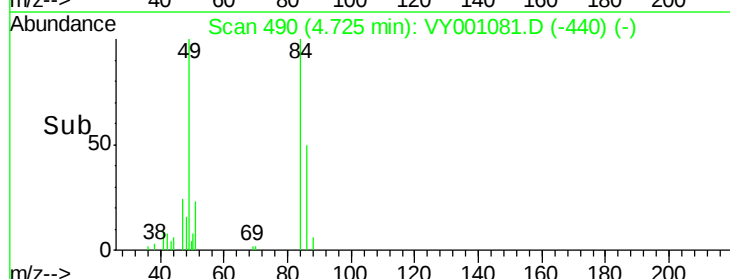
2000

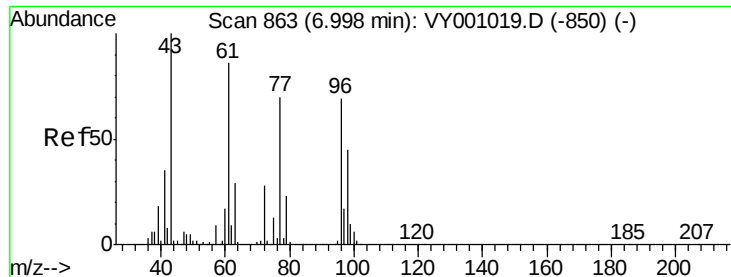
1000

0

4.60 4.70 4.80

Time-->

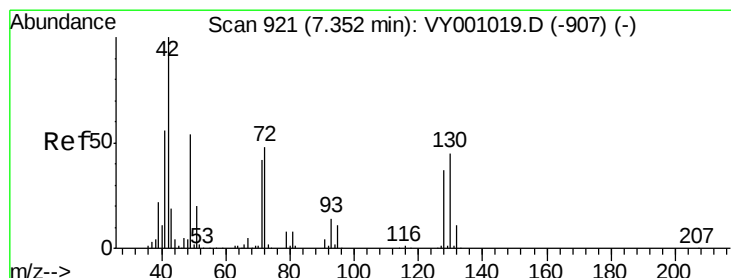
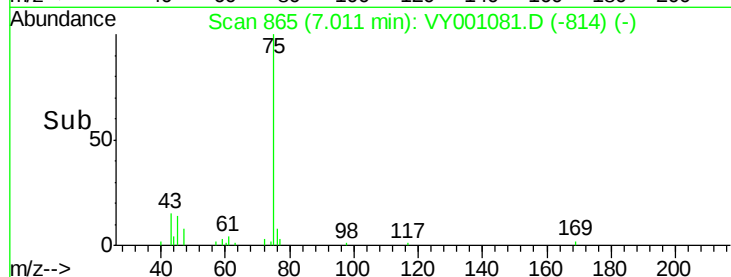
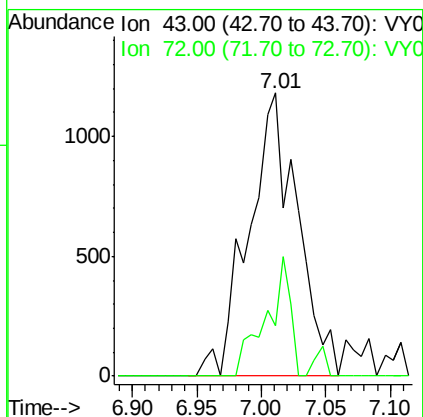
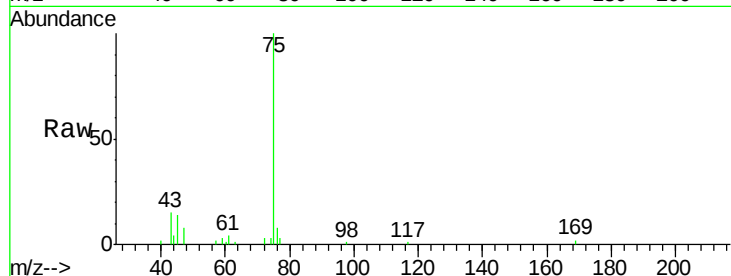




#25
2-Butanone
Concen: 3.196 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY001081.D
Acq: 26 Dec 2019 18:32

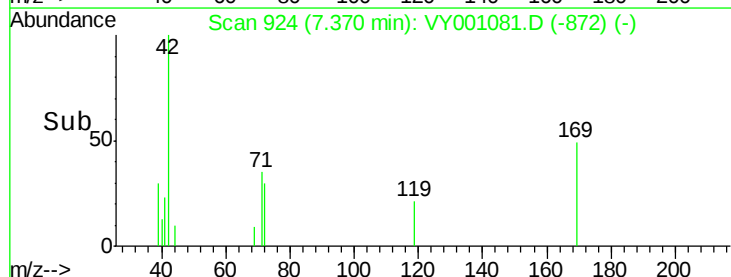
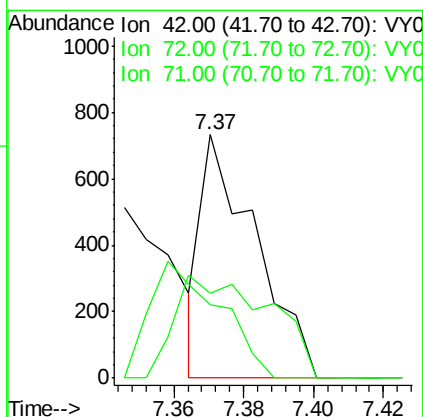
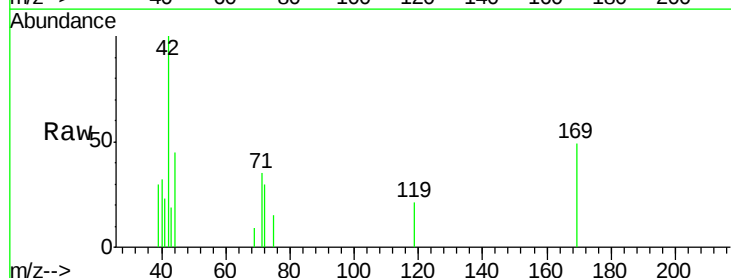
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF002-01

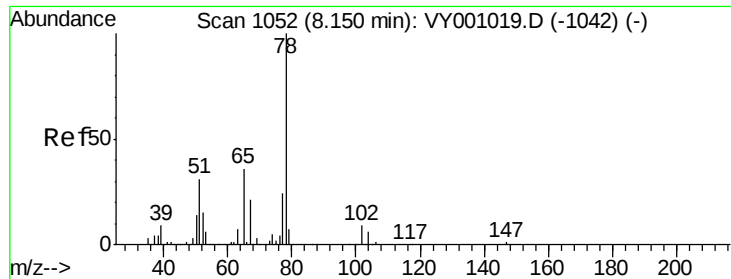
Tgt Ion: 43 Resp: 3096
Ion Ratio Lower Upper
43 100
72 17.8 22.4 33.6#



#29
Tetrahydrofuran
Concen: 1.141 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY001081.D
Acq: 26 Dec 2019 18:32

Tgt Ion: 42 Resp: 786
Ion Ratio Lower Upper
42 100
72 61.7 37.7 56.5#
71 73.0 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 53.683 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001081.D

Acq: 26 Dec 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

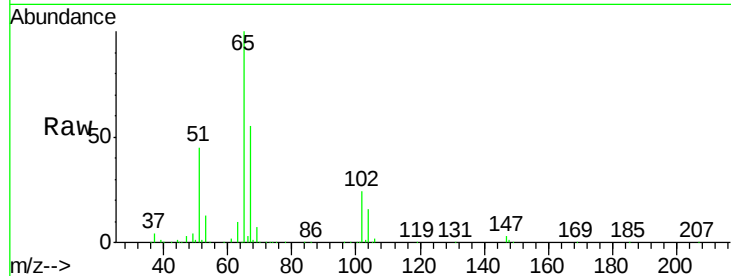
DUNR-BF002-01

Tgt Ion: 65 Resp: 128486

Ion Ratio Lower Upper

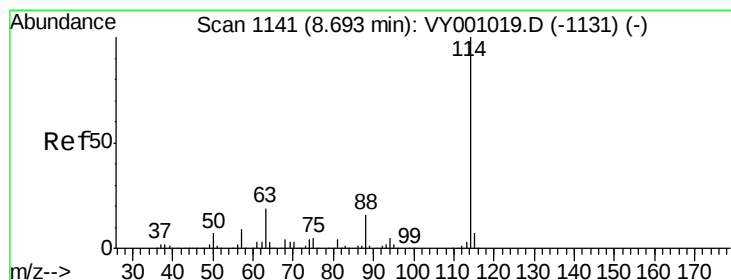
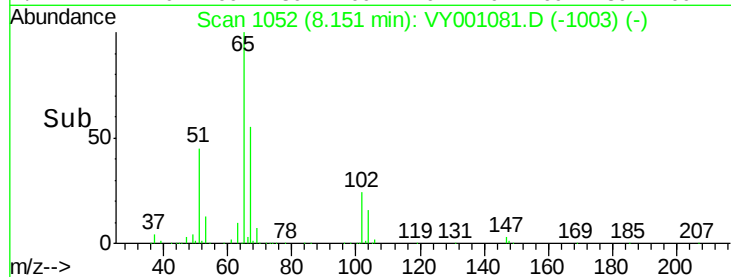
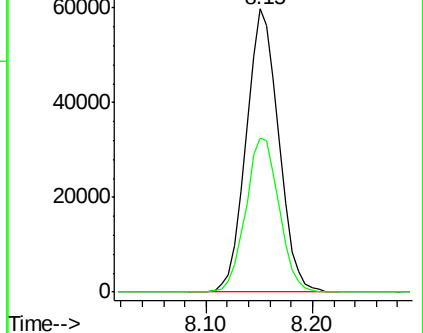
65 100

67 55.7 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: VY001081.D

Acq: 26 Dec 2019 18:32

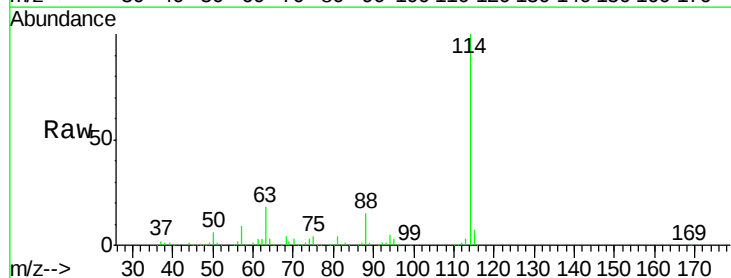
Tgt Ion: 114 Resp: 457161

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.0

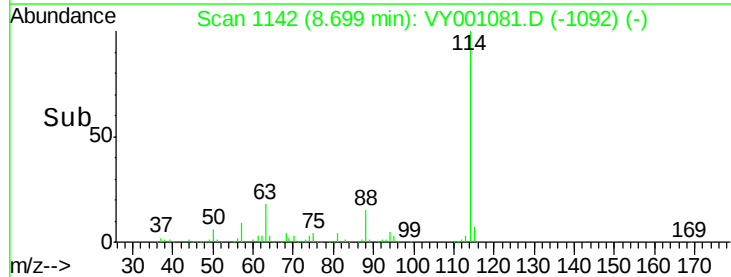
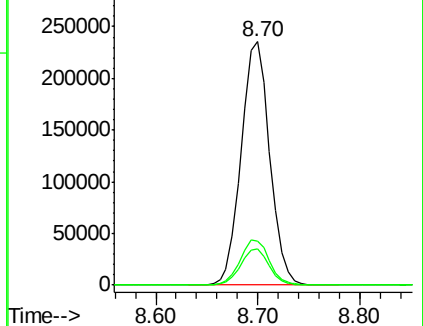
88 15.0 0.0 32.0

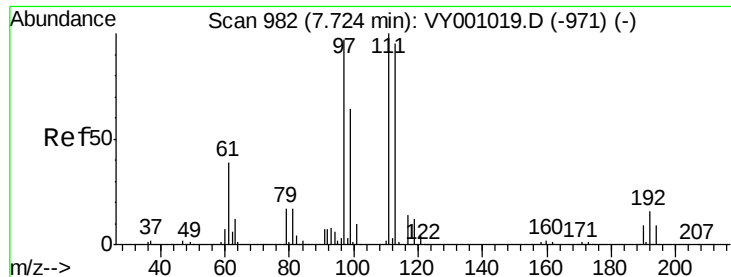


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

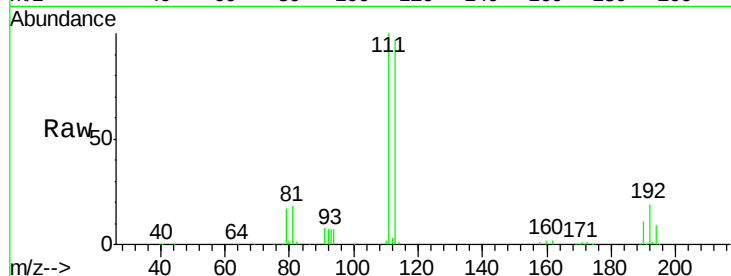




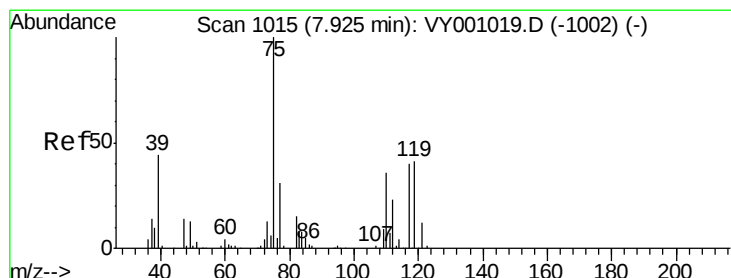
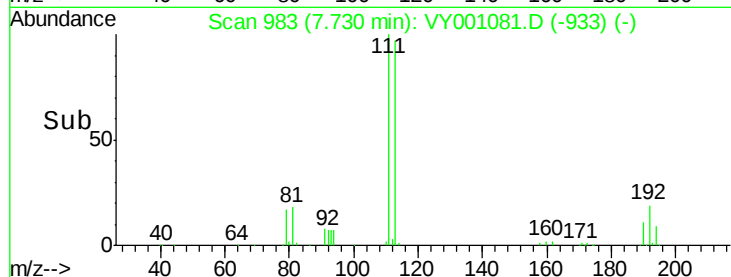
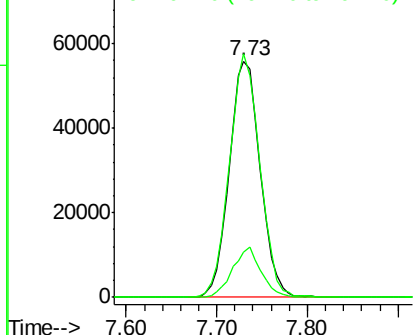
#35
 Dibromofluoromethane
 Concen: 49.157 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001081.D
 Acq: 26 Dec 2019 18:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF002-01

Tgt Ion:113 Resp: 132331
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.0 124.4
 192 19.5 14.6 21.8

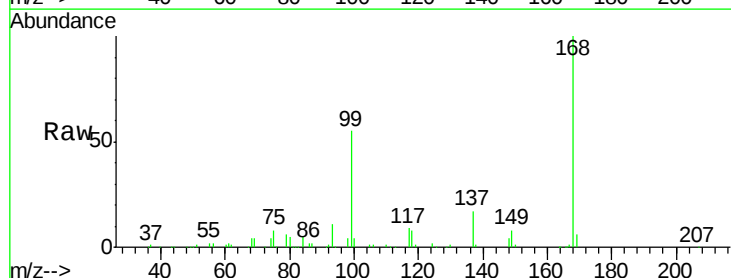


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

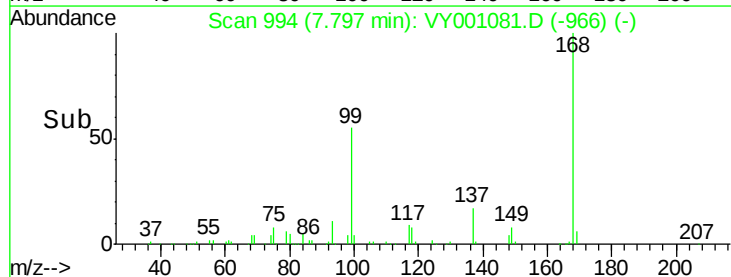
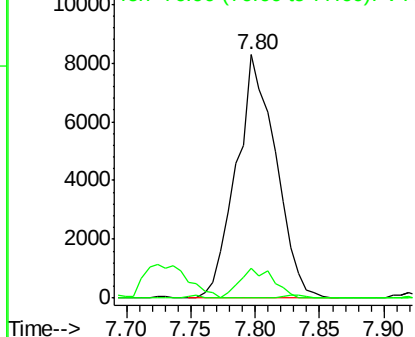


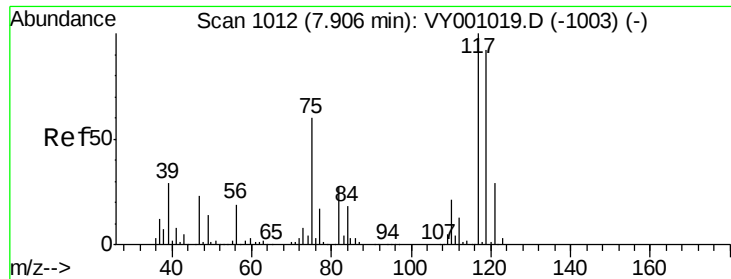
#36
 1,1-Dichloropropene
 Concen: 4.039 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001081.D
 Acq: 26 Dec 2019 18:32

Tgt Ion: 75 Resp: 17615
 Ion Ratio Lower Upper
 75 100
 110 10.3 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

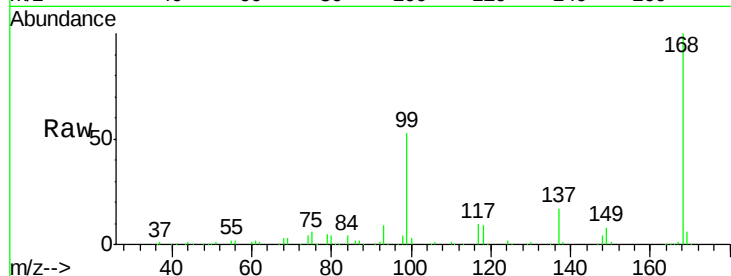




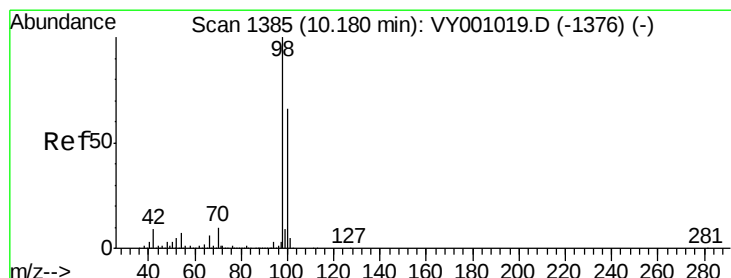
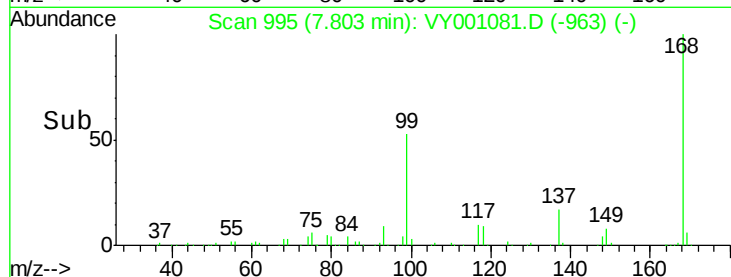
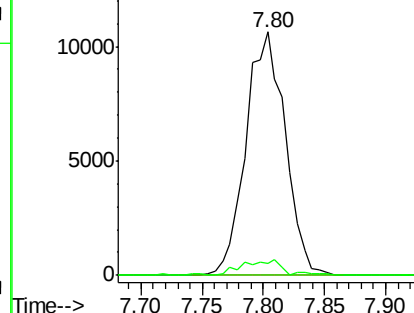
#38
Carbon Tetrachloride
Concen: 6.210 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.10 min
Lab File: VY001081.D
Acq: 26 Dec 2019 18:32

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF002-01

Tgt Ion: 117 Resp: 23730
Ion Ratio Lower Upper
117 100
119 5.0 74.2 111.2#
121 0.0 22.9 34.3#

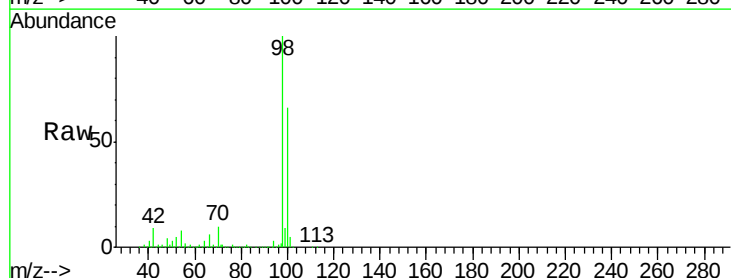


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

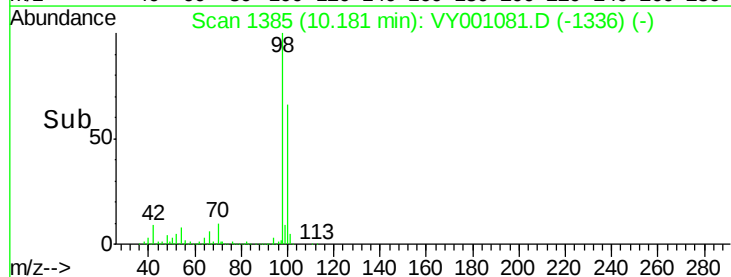
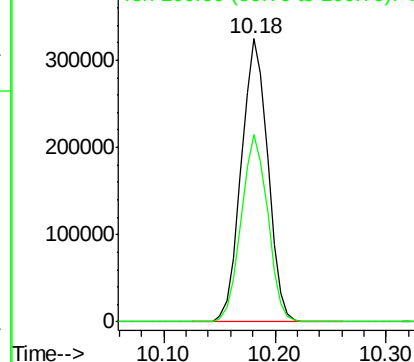


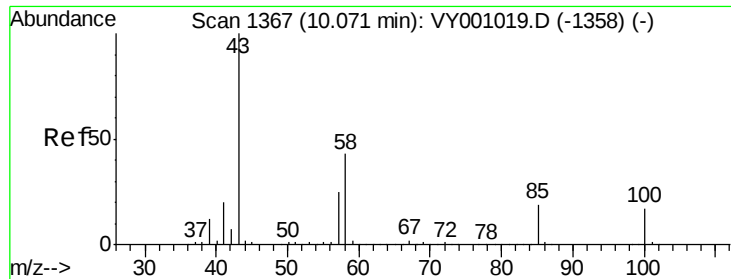
#50
Toluene-d8
Concen: 50.851 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001081.D
Acq: 26 Dec 2019 18:32

Tgt Ion: 98 Resp: 534976
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.268 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY001081.D

Acq: 26 Dec 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

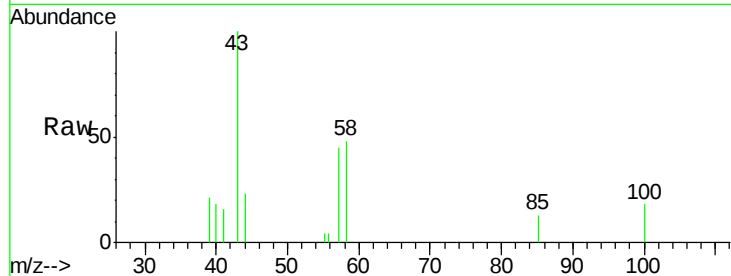
DUNR-BF002-01

Tgt Ion: 43 Resp: 2955

Ion Ratio Lower Upper

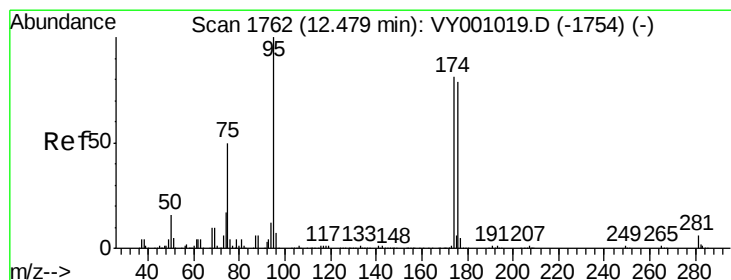
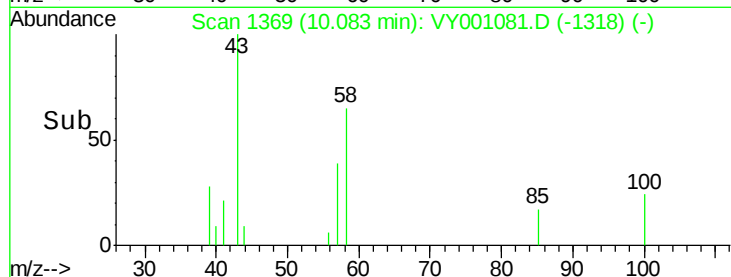
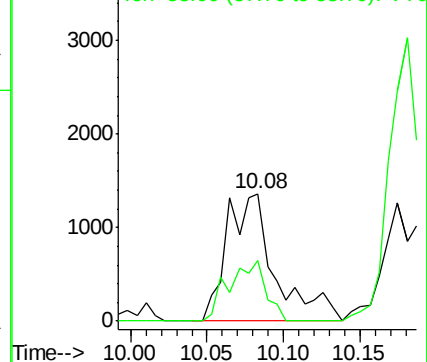
43 100

58 36.9 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: 46.453 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001081.D

Acq: 26 Dec 2019 18:32

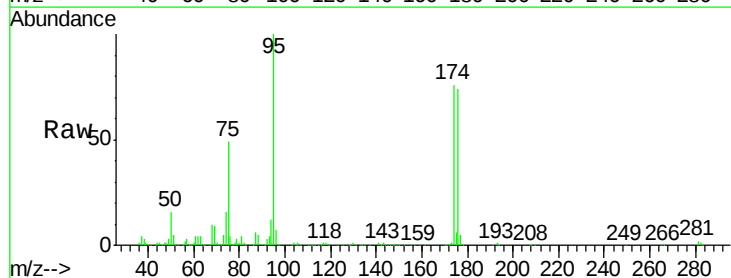
Tgt Ion: 95 Resp: 178678

Ion Ratio Lower Upper

95 100

174 77.3 0.0 156.4

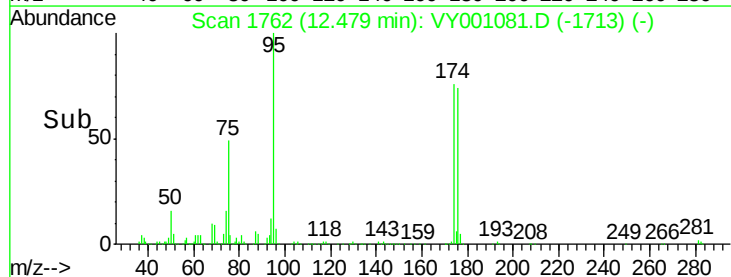
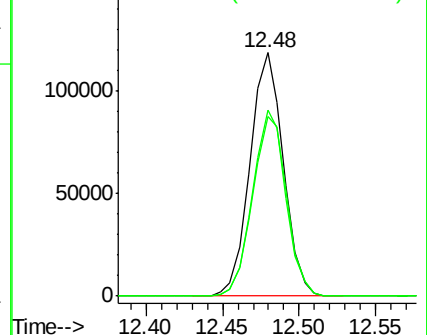
176 74.9 0.0 155.0

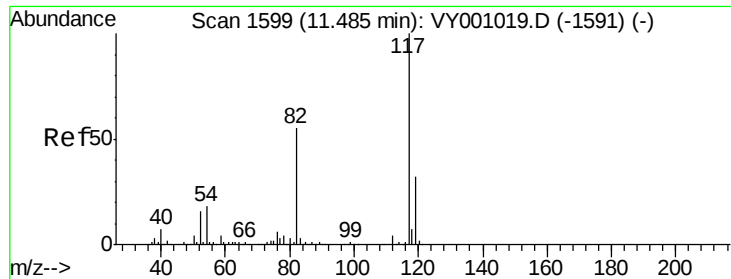


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

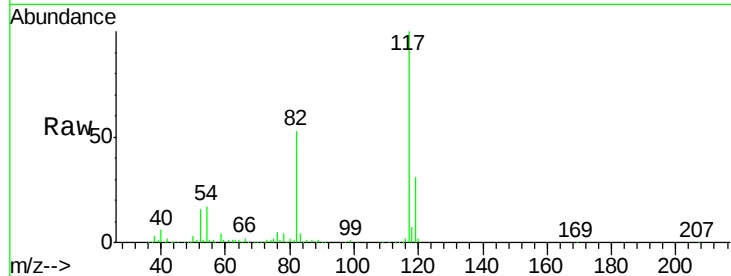




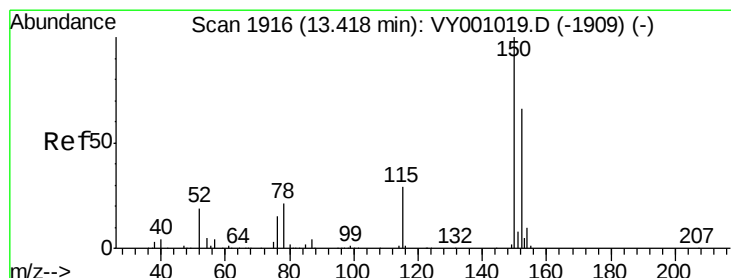
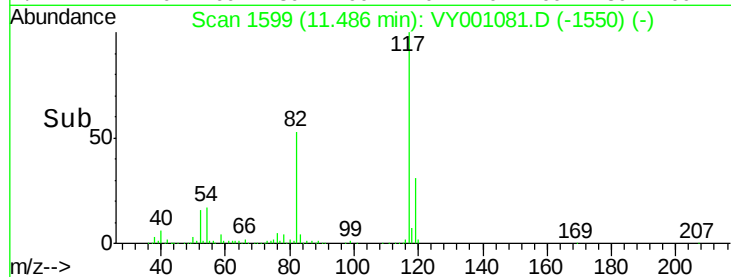
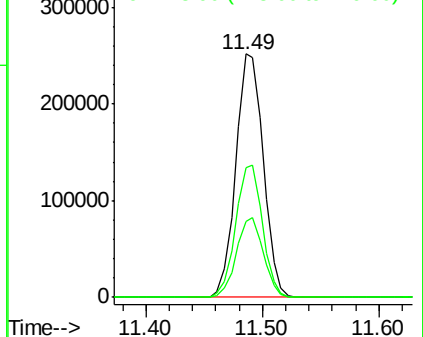
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001081.D
Acq: 26 Dec 2019 18:32

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF002-01

Tgt Ion:117 Resp: 414052
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 31.2 25.8 38.6

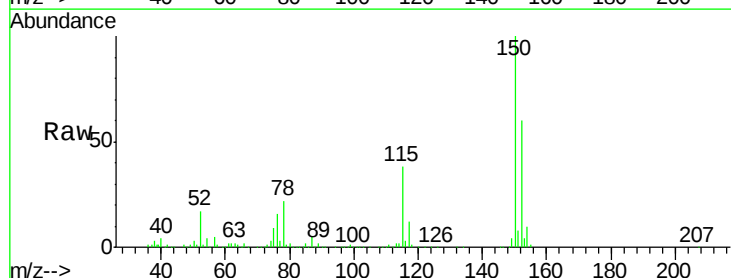


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

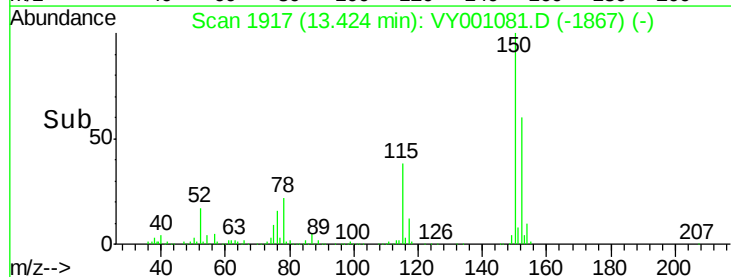
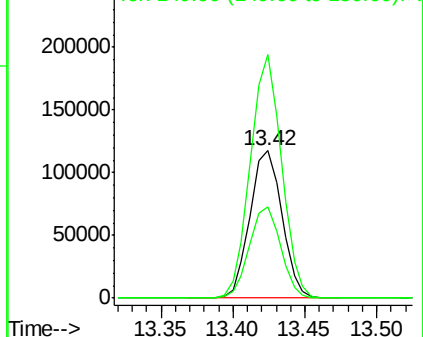


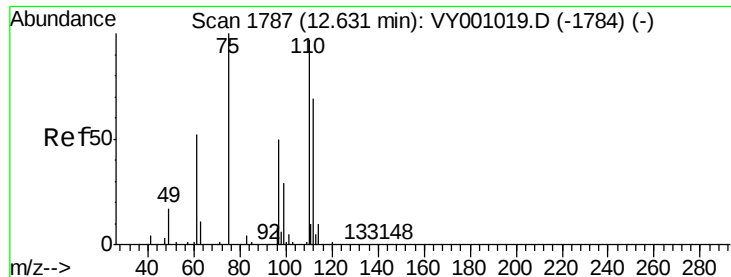
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001081.D
Acq: 26 Dec 2019 18:32

Tgt Ion:152 Resp: 181170
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 160.4 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: 38.547 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001081.D

Acq: 26 Dec 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

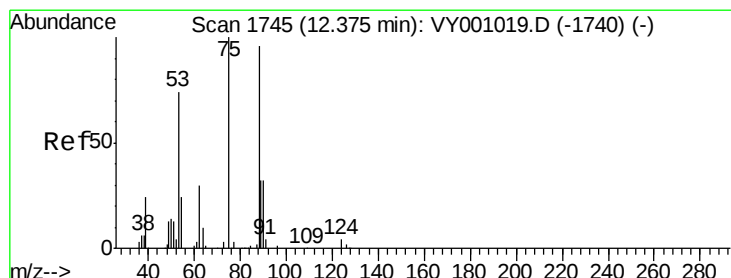
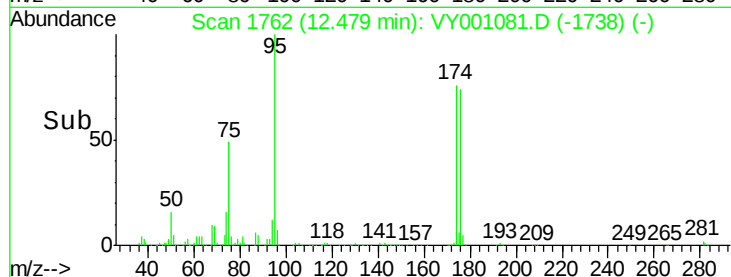
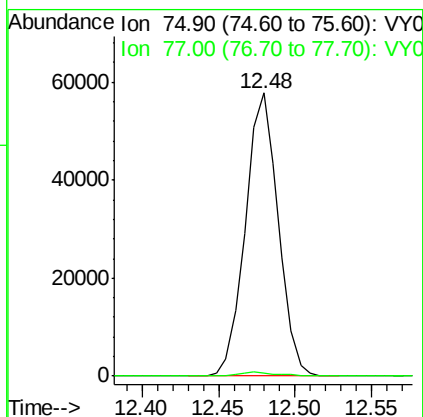
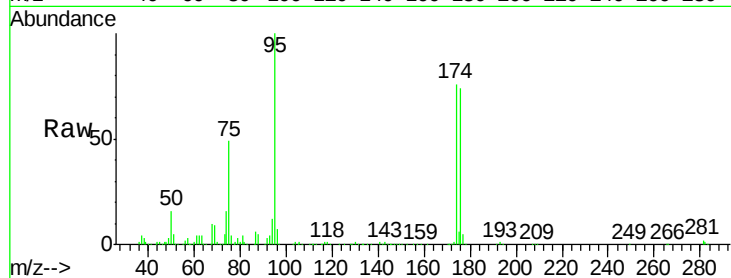
DUNR-BF002-01

Tgt Ion: 75 Resp: 86093

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.212 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001081.D

Acq: 26 Dec 2019 18:32

Tgt Ion: 75 Resp: 86093

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.2 35.4 53.0#

