

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001078.D
 Acq On : 26 Dec 2019 17:27
 Operator : SY/MD
 Sample : K6431-14
 Misc : 6.11G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

Quant Time: Dec 27 02:12:38 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	229669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	436022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	399436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179977	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	125977	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
35) Dibromofluoromethane	7.73	113	127310	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.18	98	519305	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.48	95	176875	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

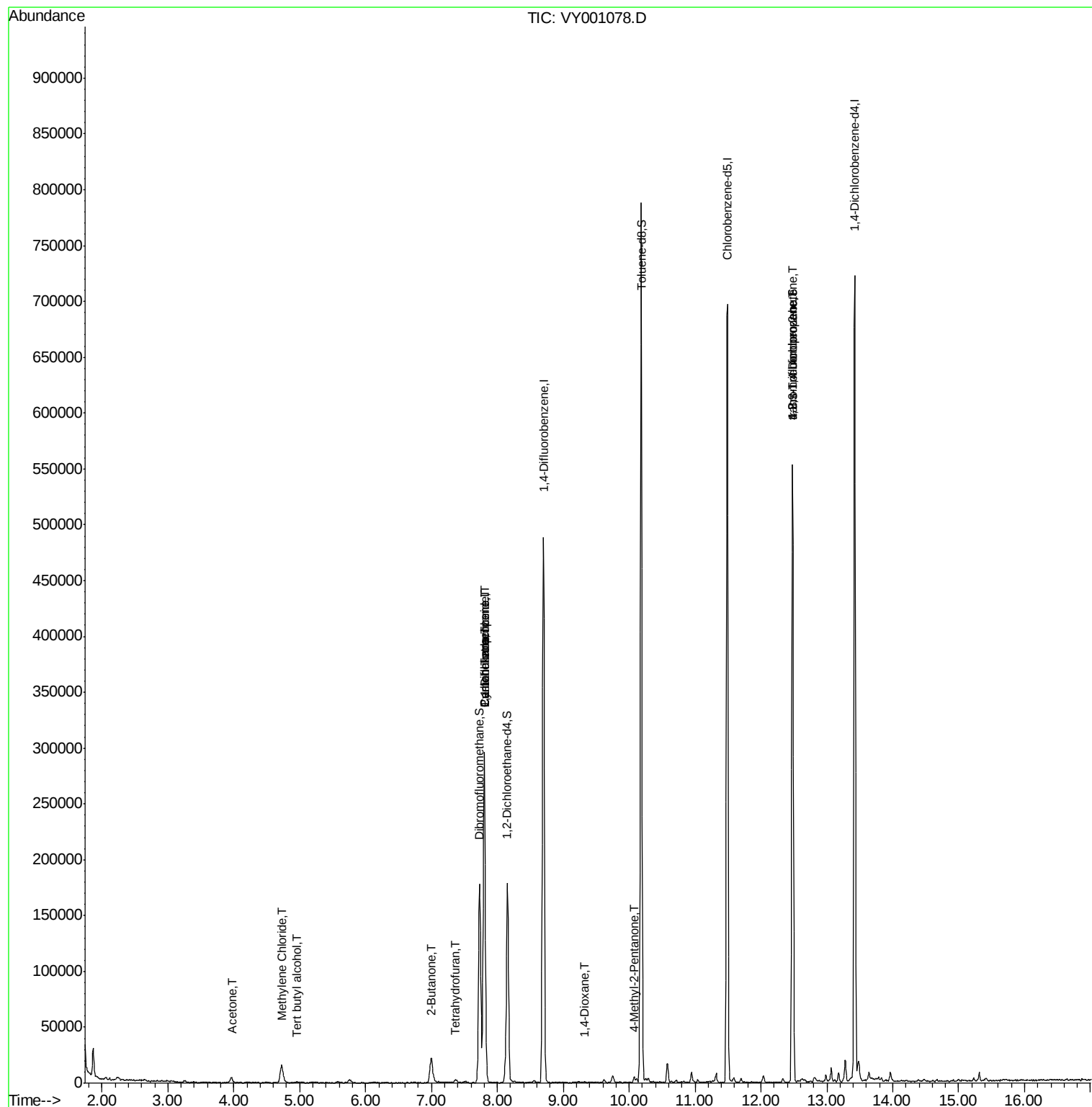
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	764	3.067	ug/l #	74
16) Acetone	3.97	43	8152	15.622	ug/l	96
20) Methylene Chloride	4.73	84	12414	4.042	ug/l	92
25) 2-Butanone	7.01	43	3680	4.014	ug/l	92
29) Tetrahydrofuran	7.36	42	1607	2.464	ug/l #	73
31) Cyclohexane	7.80	56	5919	1.176	ug/l #	3
36) 1,1-Dichloropropene	7.80	75	18545	4.458	ug/l #	48
38) Carbon Tetrachloride	7.80	117	20942	5.746	ug/l #	20
49) 1,4-Dioxane	9.32	88	35	1.474	ug/l #	24
51) 4-Methyl-2-Pentanone	10.07	43	3487	1.569	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	84715	38.181	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84715	81.432	ug/l #	19

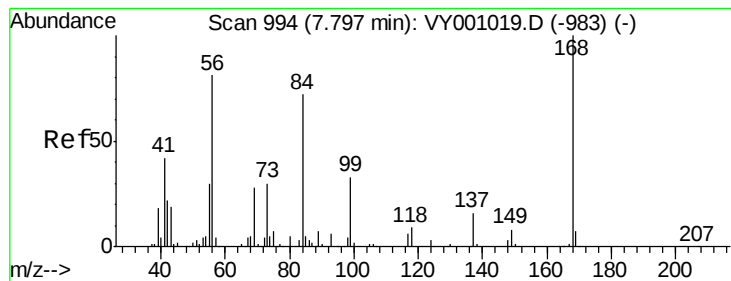
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001078.D

Acq: 26 Dec 2019 17:27

Instrument :

MSVOA_Y

ClientSampleId :

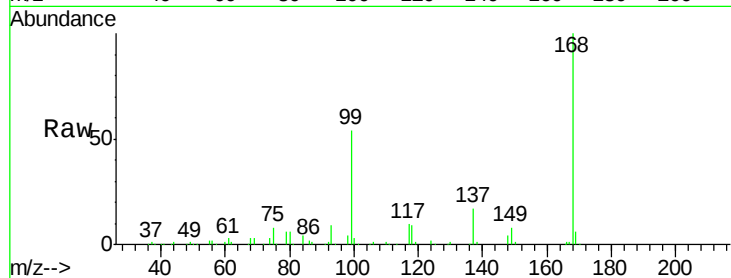
DUNR-BF001-01

Tgt Ion:168 Resp: 229669

Ion Ratio Lower Upper

168 100

99 53.8 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

100000

80000

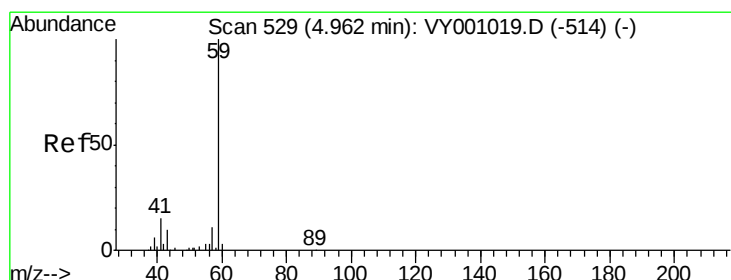
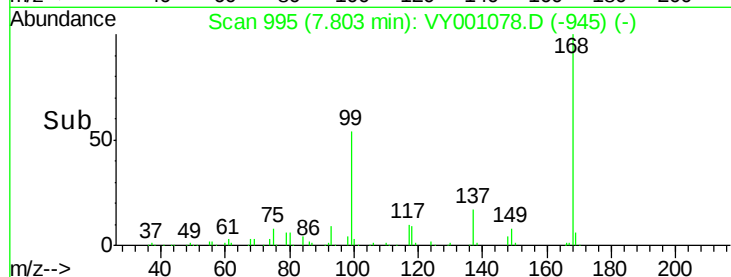
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.067 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001078.D

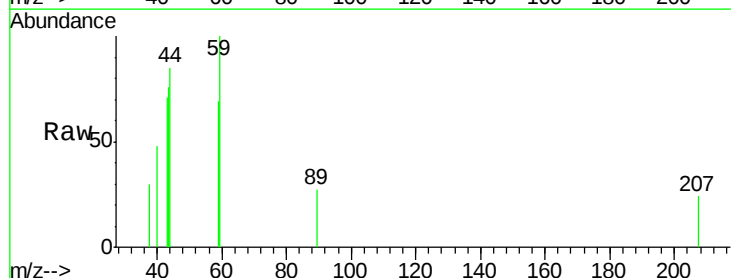
Acq: 26 Dec 2019 17:27

Tgt Ion: 59 Resp: 764

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

500

400

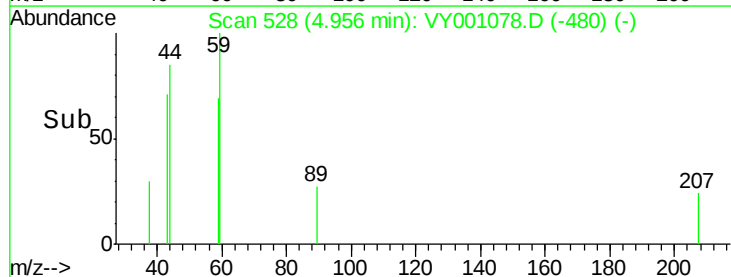
300

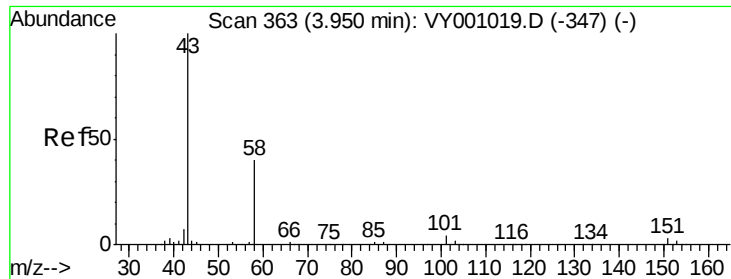
200

100

0

Time-->





#16

Acetone

Concen: 15.622 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY001078.D

Acq: 26 Dec 2019 17:27

Instrument :

MSVOA_Y

ClientSampleId :

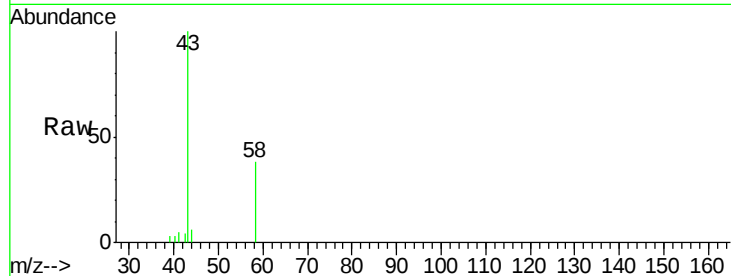
DUNR-BF001-01

Tgt Ion: 43 Resp: 8152

Ion Ratio Lower Upper

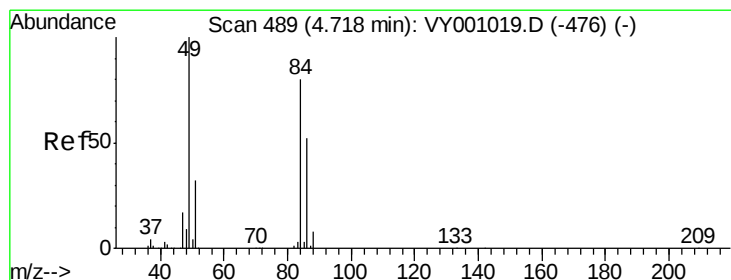
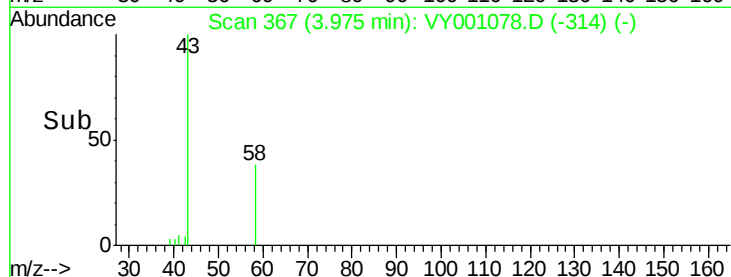
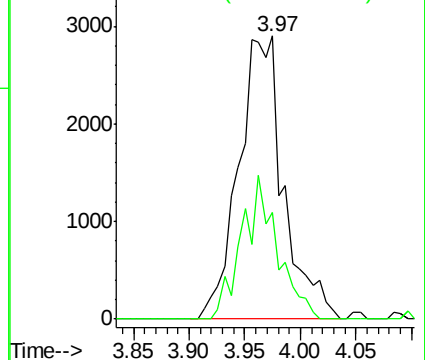
43 100

58 37.6 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)



#20

Methylene Chloride

Concen: 4.042 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001078.D

Acq: 26 Dec 2019 17:27

Tgt Ion: 84 Resp: 12414

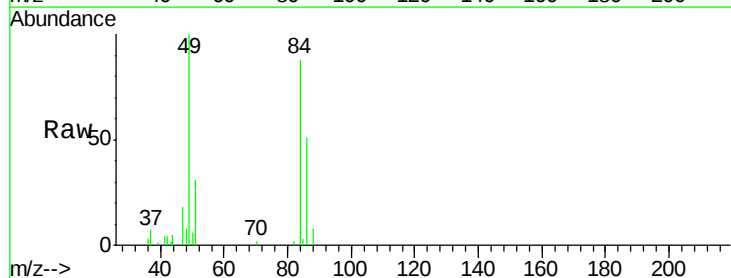
Ion Ratio Lower Upper

84 100

49 114.2 99.8 149.6

51 35.7 31.4 47.2

86 58.4 52.2 78.2

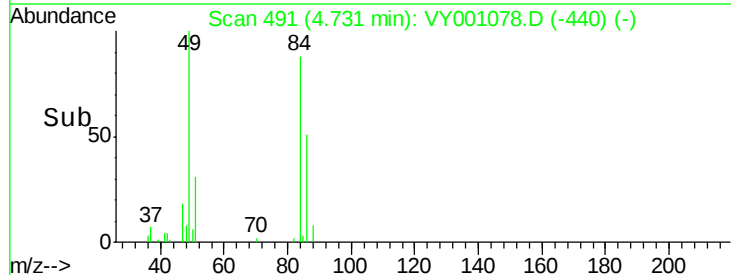
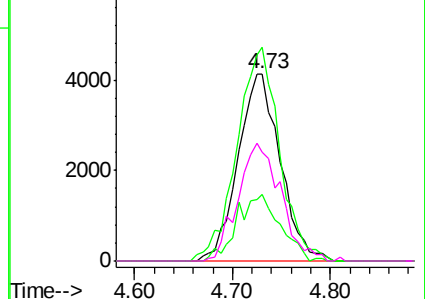


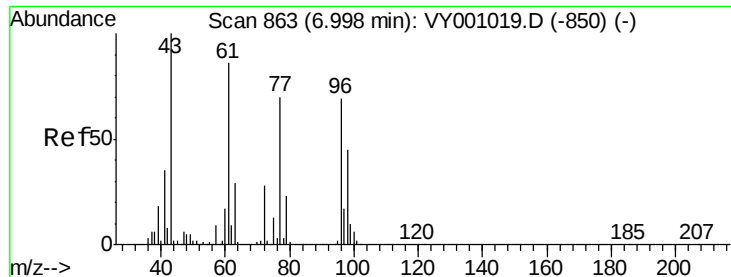
Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

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) (-)





#25

2-Butanone

Concen: 4.014 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001078.D

Acq: 26 Dec 2019 17:27

Instrument :

MSVOA_Y

ClientSampleId :

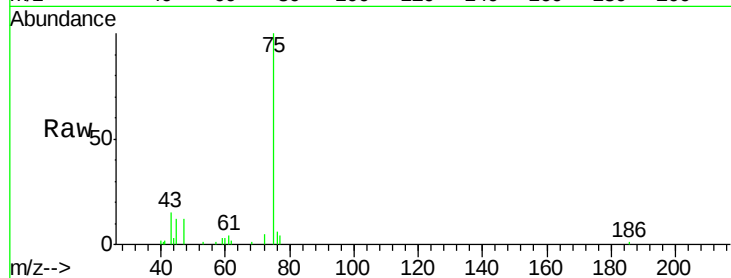
DUNR-BF001-01

Tgt Ion: 43 Resp: 3680

Ion Ratio Lower Upper

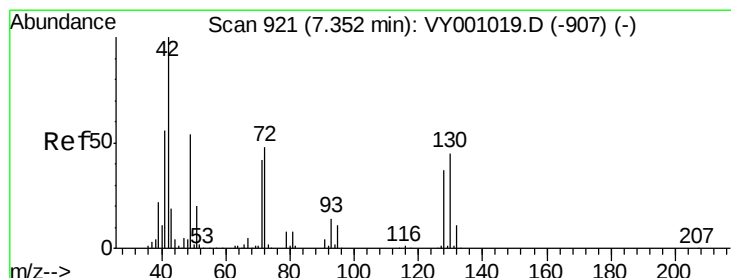
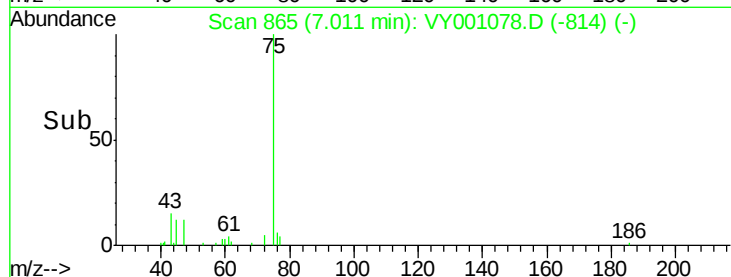
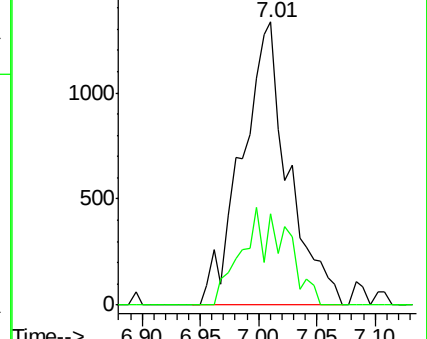
43 100

72 32.2 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: 2.464 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001078.D

Acq: 26 Dec 2019 17:27

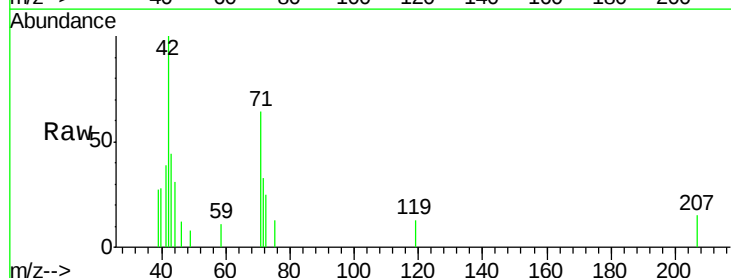
Tgt Ion: 42 Resp: 1607

Ion Ratio Lower Upper

42 100

72 22.2 37.7 56.5#

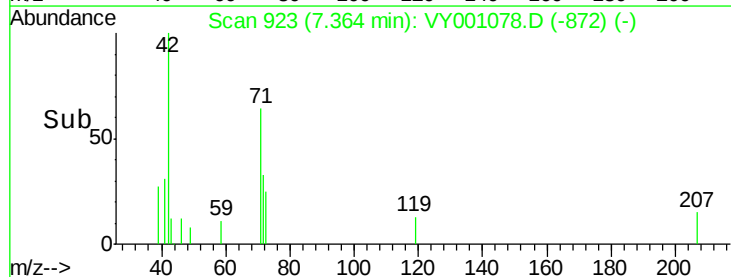
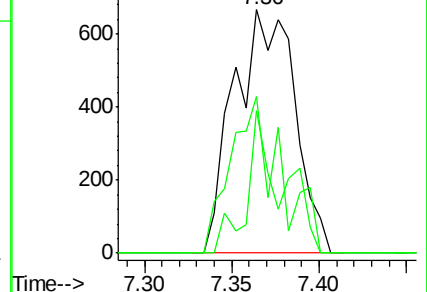
71 52.7 34.6 51.8#

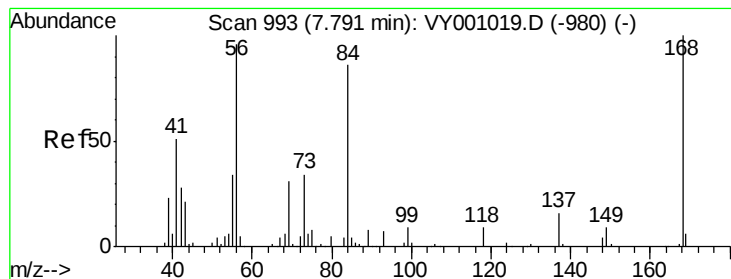


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001078.D

Acq: 26 Dec 2019 17:27

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

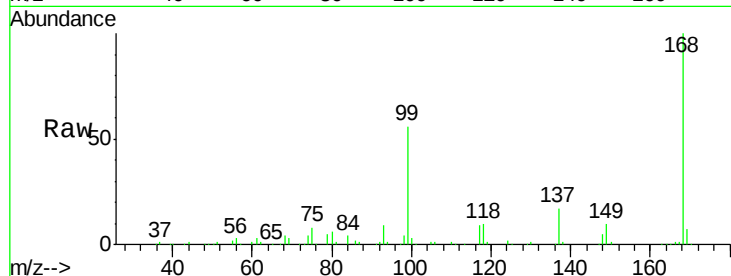
Tgt Ion: 56 Resp: 5919

Ion Ratio Lower Upper

56 100

69 116.9 26.1 39.1#

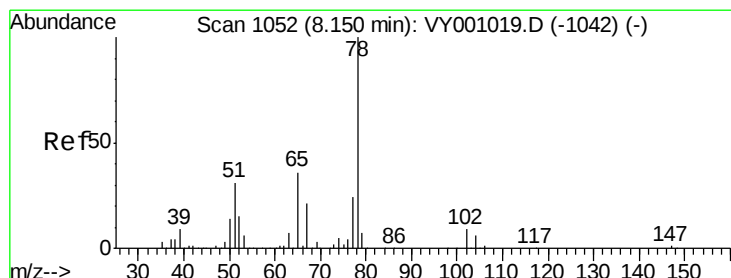
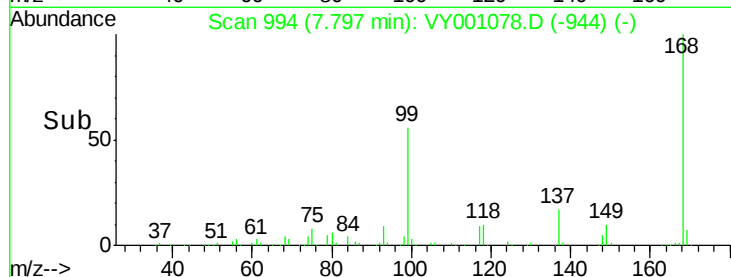
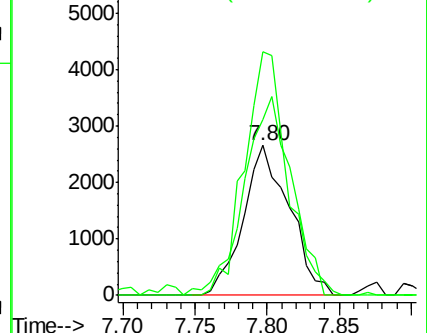
84 162.4 71.8 107.8#



Abundance Ion 56.00 (55.70 to 56.70): VY001019.D (-980) (-)

Ion 69.00 (68.70 to 69.70): VY001019.D (-980) (-)

Ion 84.00 (83.70 to 84.70): VY001019.D (-980) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.615 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001078.D

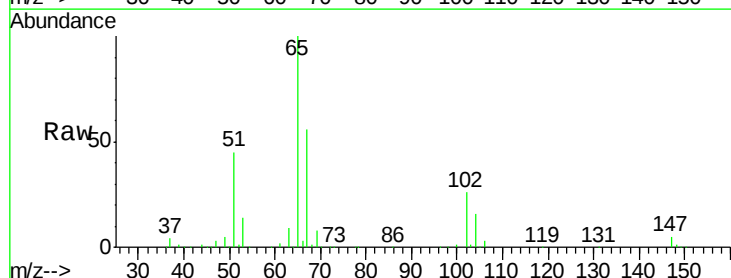
Acq: 26 Dec 2019 17:27

Tgt Ion: 65 Resp: 125977

Ion Ratio Lower Upper

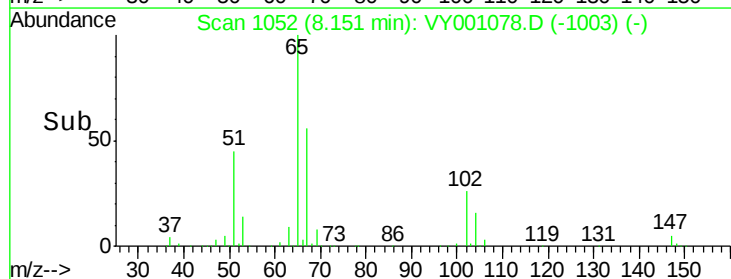
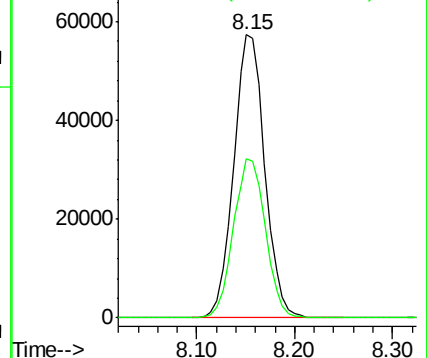
65 100

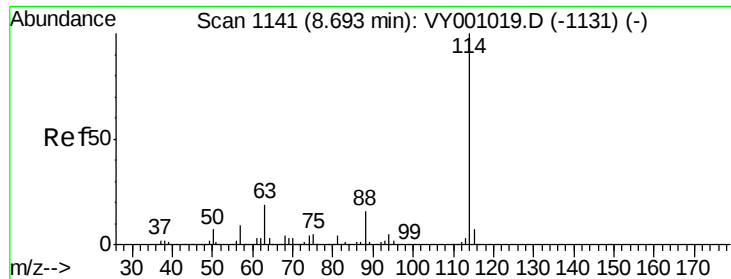
67 57.9 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY001019.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY001019.D (-1042) (-)

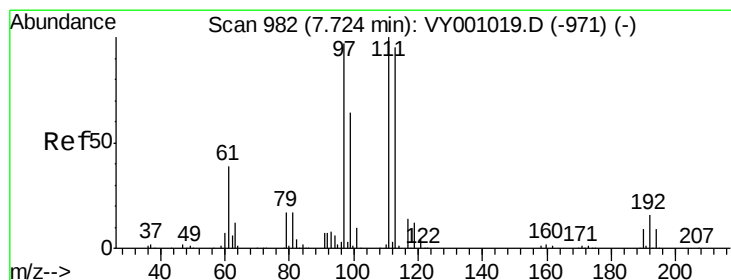
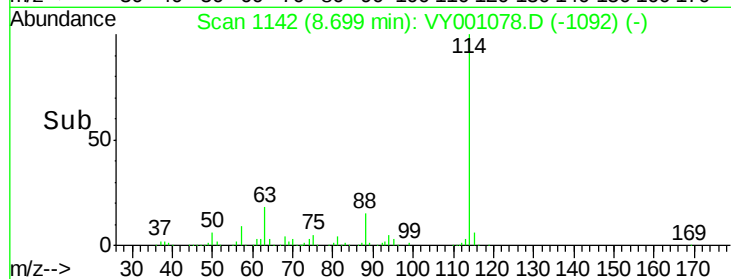
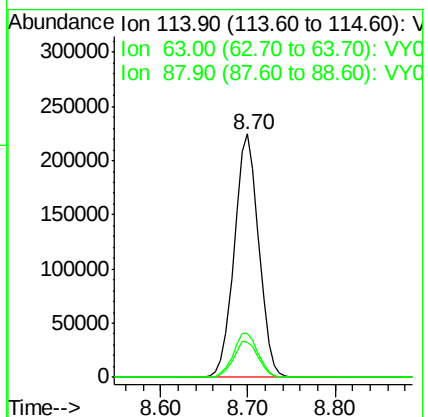
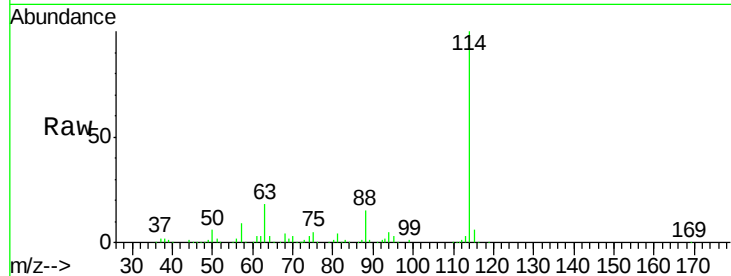




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001078.D
 Acq: 26 Dec 2019 17:27

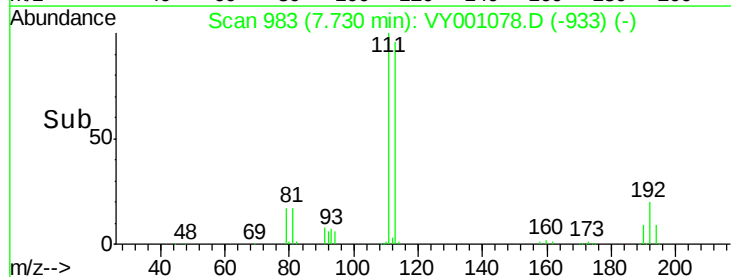
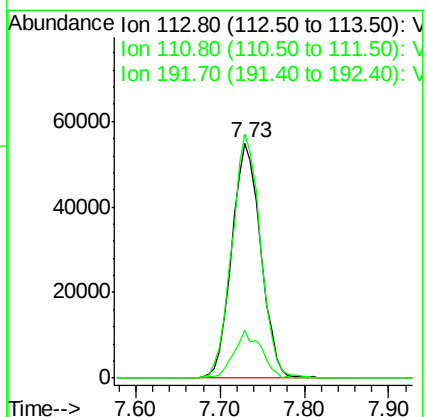
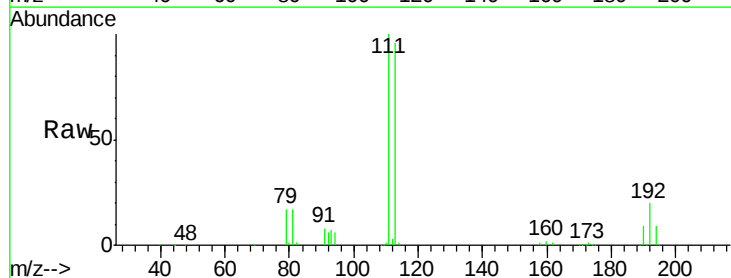
Instrument :
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 DUNR-BF001-01

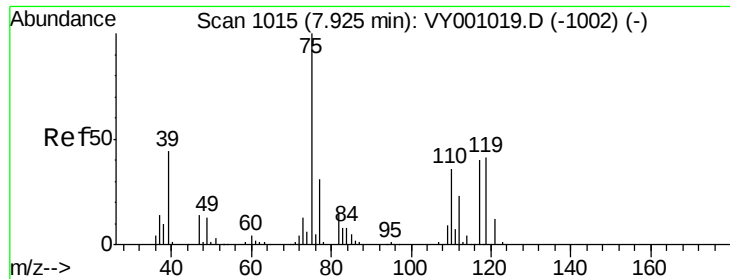
Tgt Ion:114 Resp: 436022
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.0
 88 14.5 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 49.584 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001078.D
 Acq: 26 Dec 2019 17:27

Tgt Ion:113 Resp: 127310
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.4
 192 19.1 14.6 21.8

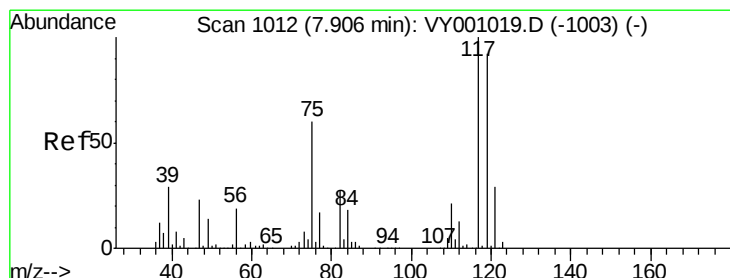
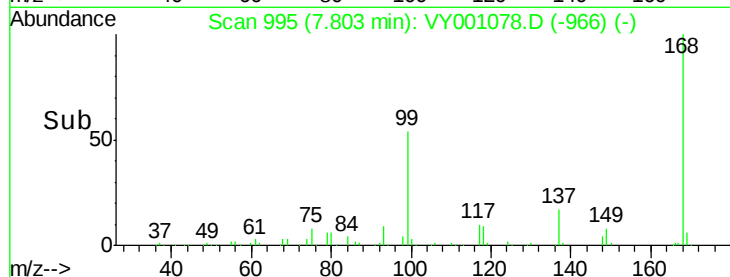
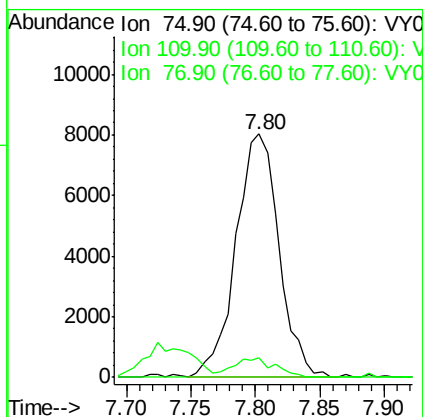
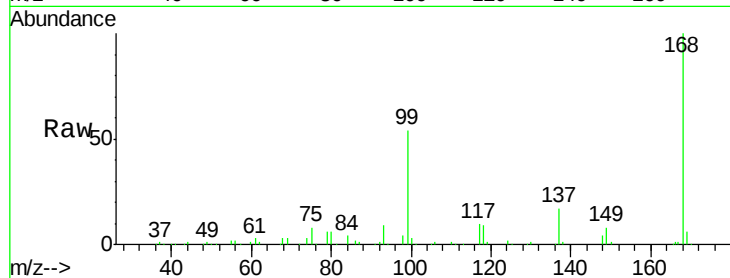




#36
 1,1-Dichloropropene
 Concen: 4.458 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001078.D
 Acq: 26 Dec 2019 17:27

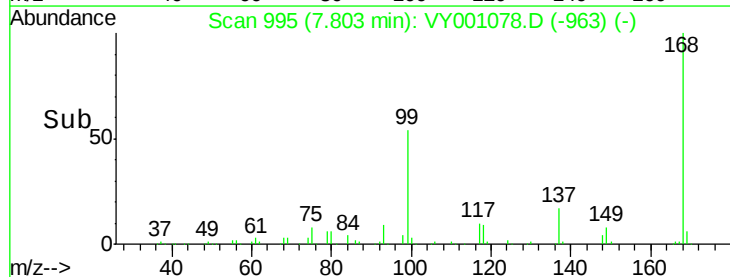
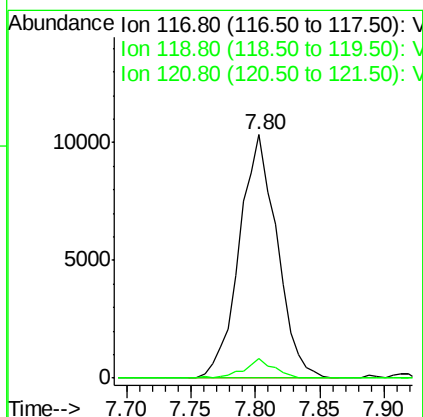
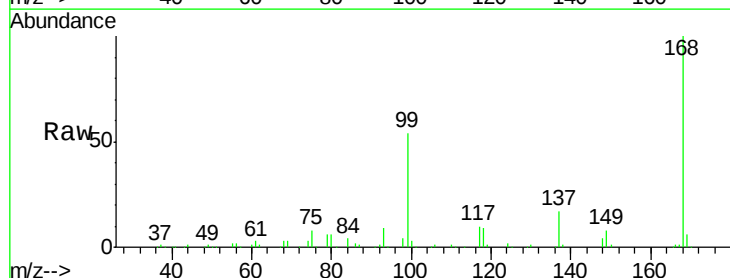
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

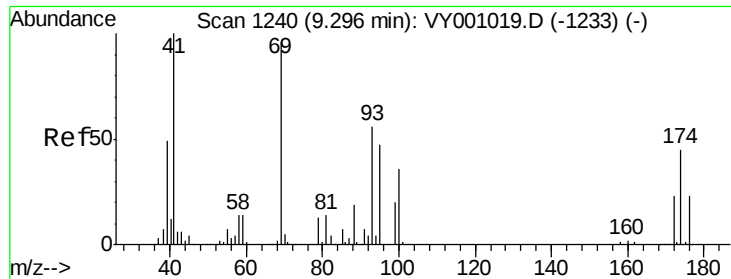
Tgt Ion: 75 Resp: 18545
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.1 54.4#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.746 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001078.D
 Acq: 26 Dec 2019 17:27

Tgt Ion: 117 Resp: 20942
 Ion Ratio Lower Upper
 117 100
 119 8.0 74.2 111.2#
 121 0.0 22.9 34.3#

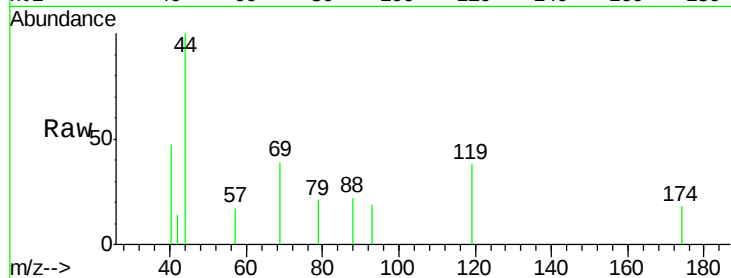




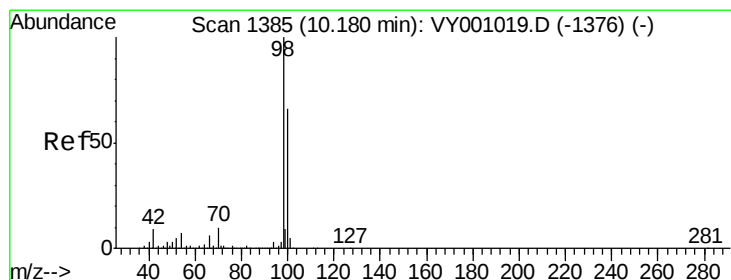
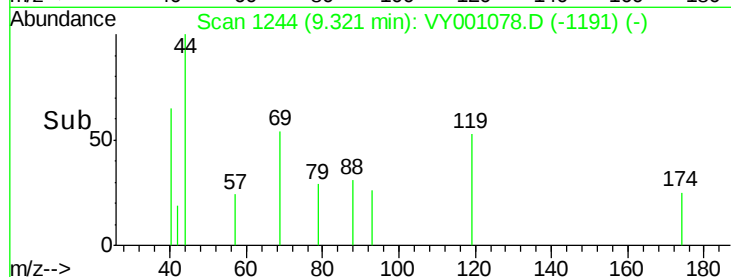
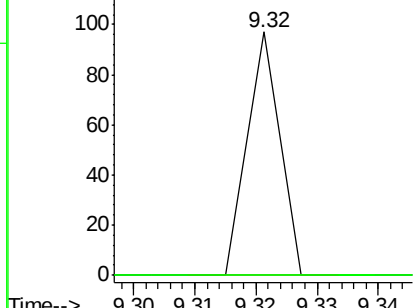
#49
1,4-Dioxane
Concen: 1.474 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.02 min
Lab File: VY001078.D
Acq: 26 Dec 2019 17:27

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 0.0 23.0 34.4#
58 0.0 54.9 82.3#

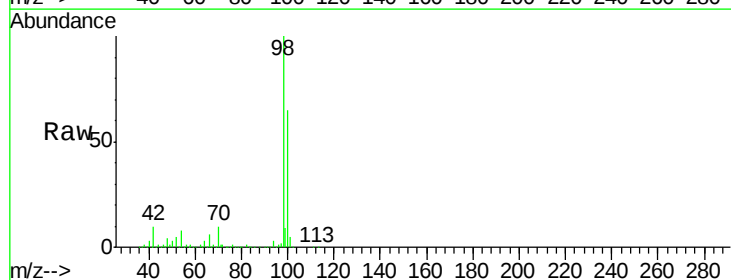


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

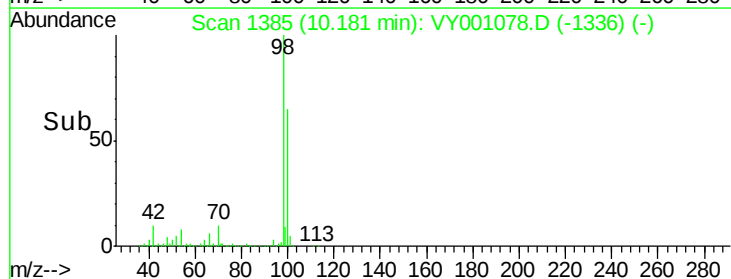
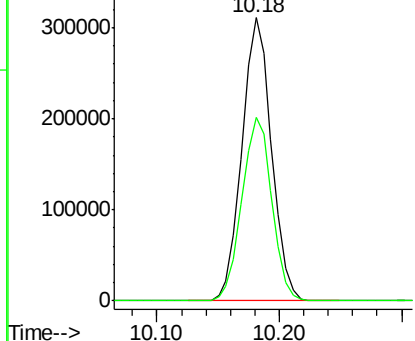


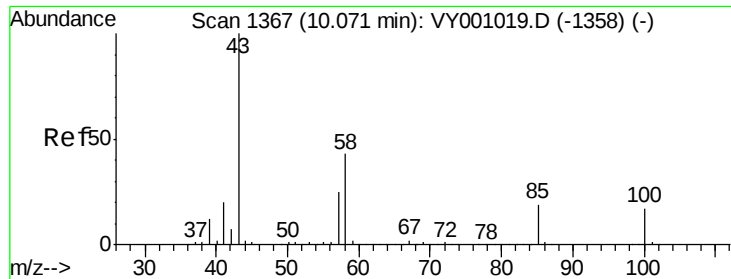
#50
Toluene-d8
Concen: 51.755 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001078.D
Acq: 26 Dec 2019 17:27

Tgt Ion: 98 Resp: 519305
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): VY0

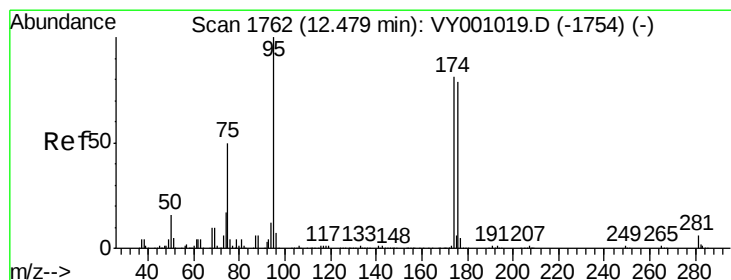
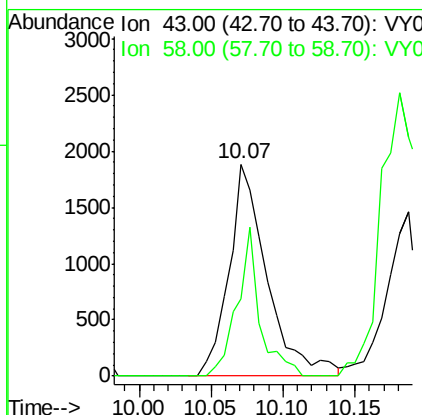
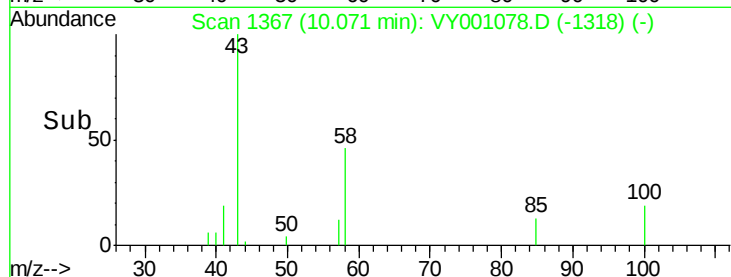
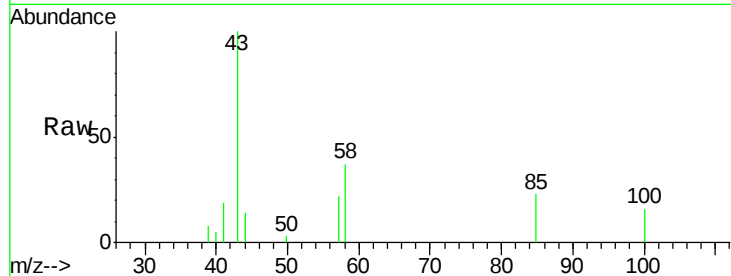




#51
4-Methyl-2-Pentanone
Concen: 1.569 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001078.D
Acq: 26 Dec 2019 17:27

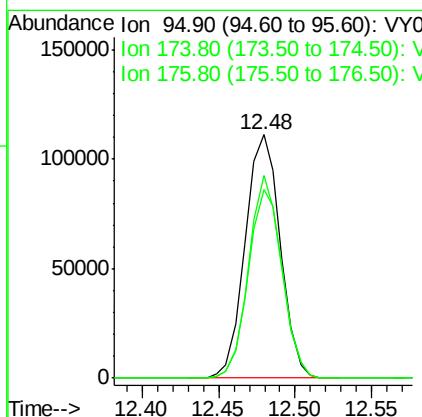
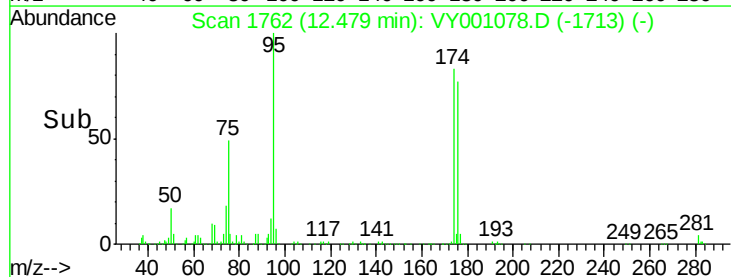
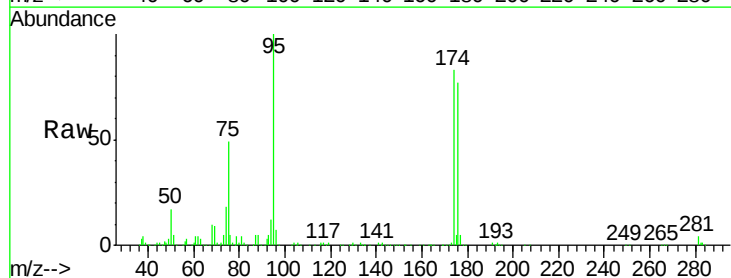
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

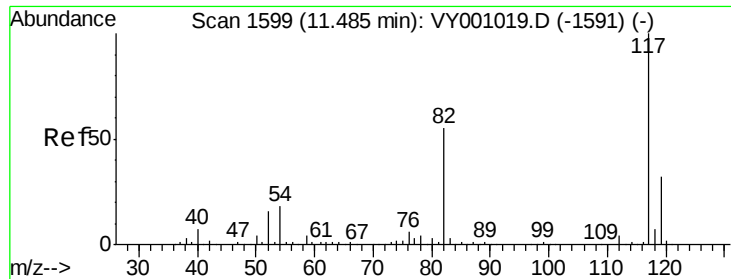
Tgt Ion: 43 Resp: 3487
Ion Ratio Lower Upper
43 100
58 41.9 34.6 52.0



#62
4-Bromofluorobenzene
Concen: 48.214 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001078.D
Acq: 26 Dec 2019 17:27

Tgt Ion: 95 Resp: 176875
Ion Ratio Lower Upper
95 100
174 77.9 0.0 156.4
176 76.0 0.0 155.0

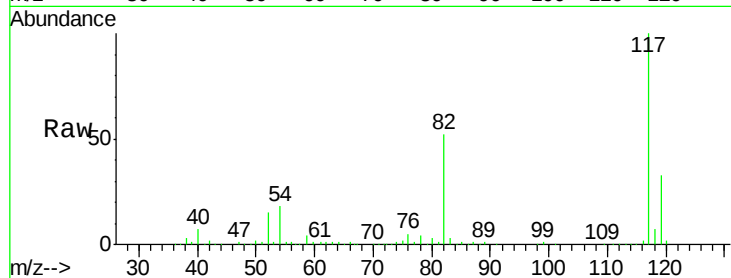




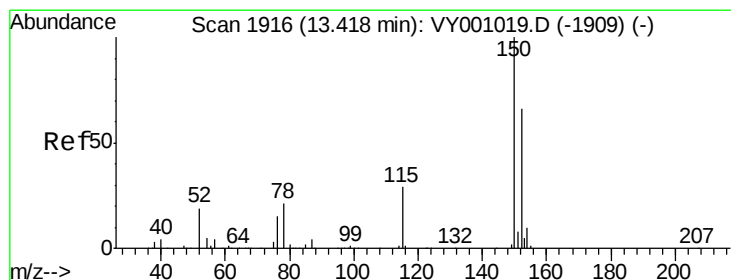
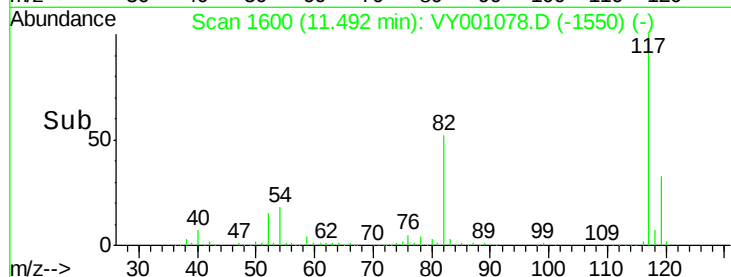
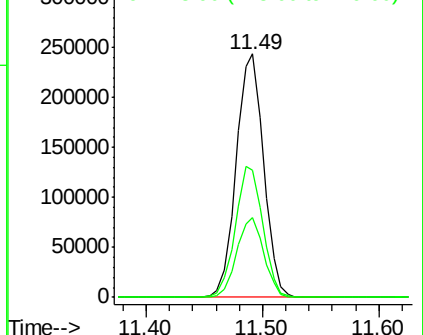
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001078.D
Acq: 26 Dec 2019 17:27

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

Tgt Ion:117 Resp: 399436
Ion Ratio Lower Upper
117 100
82 52.3 43.8 65.8
119 32.6 25.8 38.6

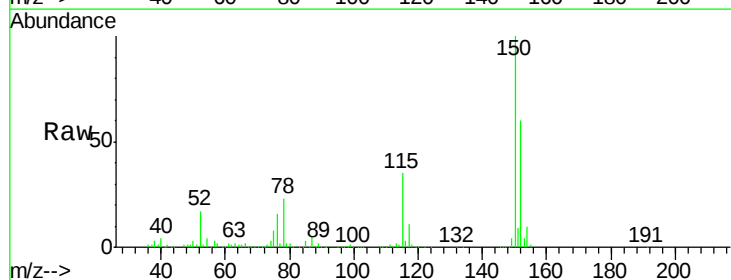


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

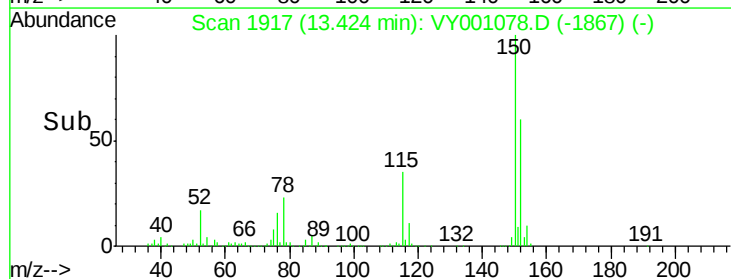
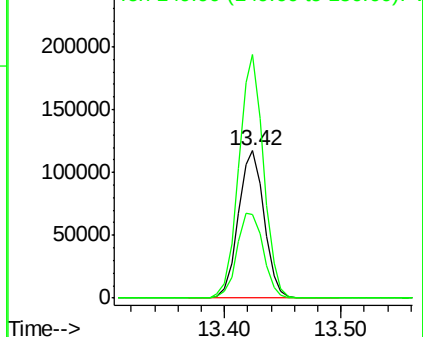


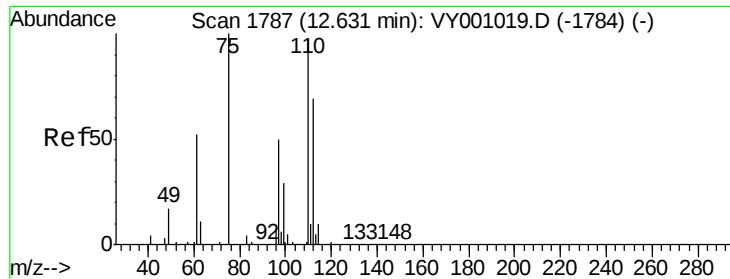
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001078.D
Acq: 26 Dec 2019 17:27

Tgt Ion:152 Resp: 179977
Ion Ratio Lower Upper
152 100
115 59.4 29.8 89.3
150 158.8 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

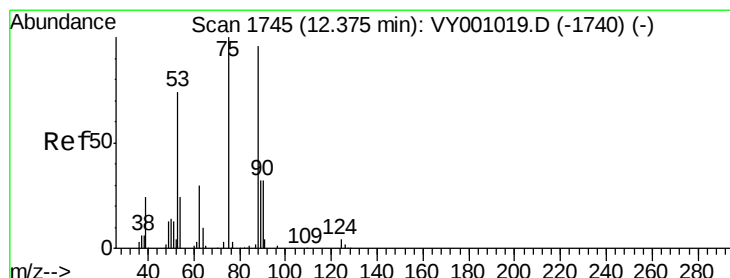
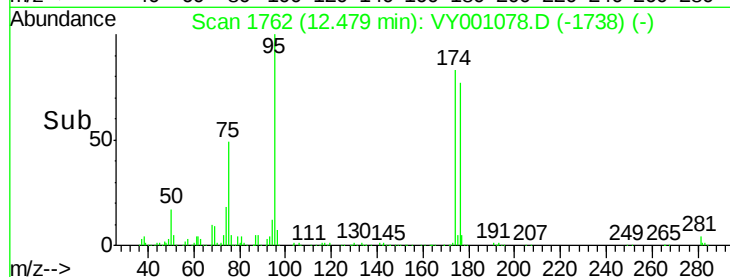
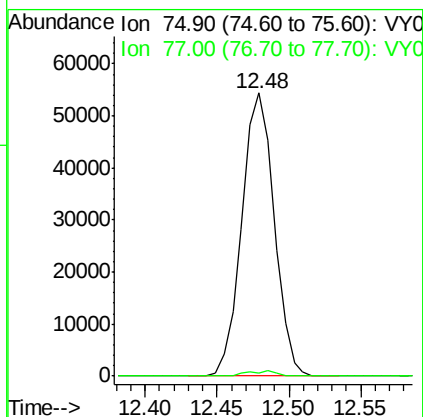
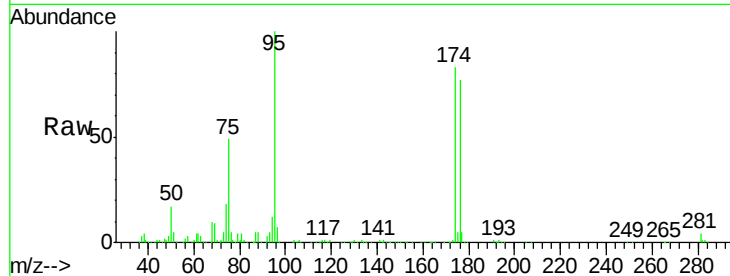




#76
 1,2,3-Trichloropropane
 Concen: 38.181 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY001078.D
 Acq: 26 Dec 2019 17:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

Tgt Ion: 75 Resp: 84715
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.432 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY001078.D
 Acq: 26 Dec 2019 17:27

Tgt Ion: 75 Resp: 84715
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.6 91.0#
 89 0.2 35.4 53.0#

