

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001084.D
 Acq On : 26 Dec 2019 19:39
 Operator : SY/MD
 Sample : K6438-07
 Misc : 5.28G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF005-01

Quant Time: Dec 27 02:14:16 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

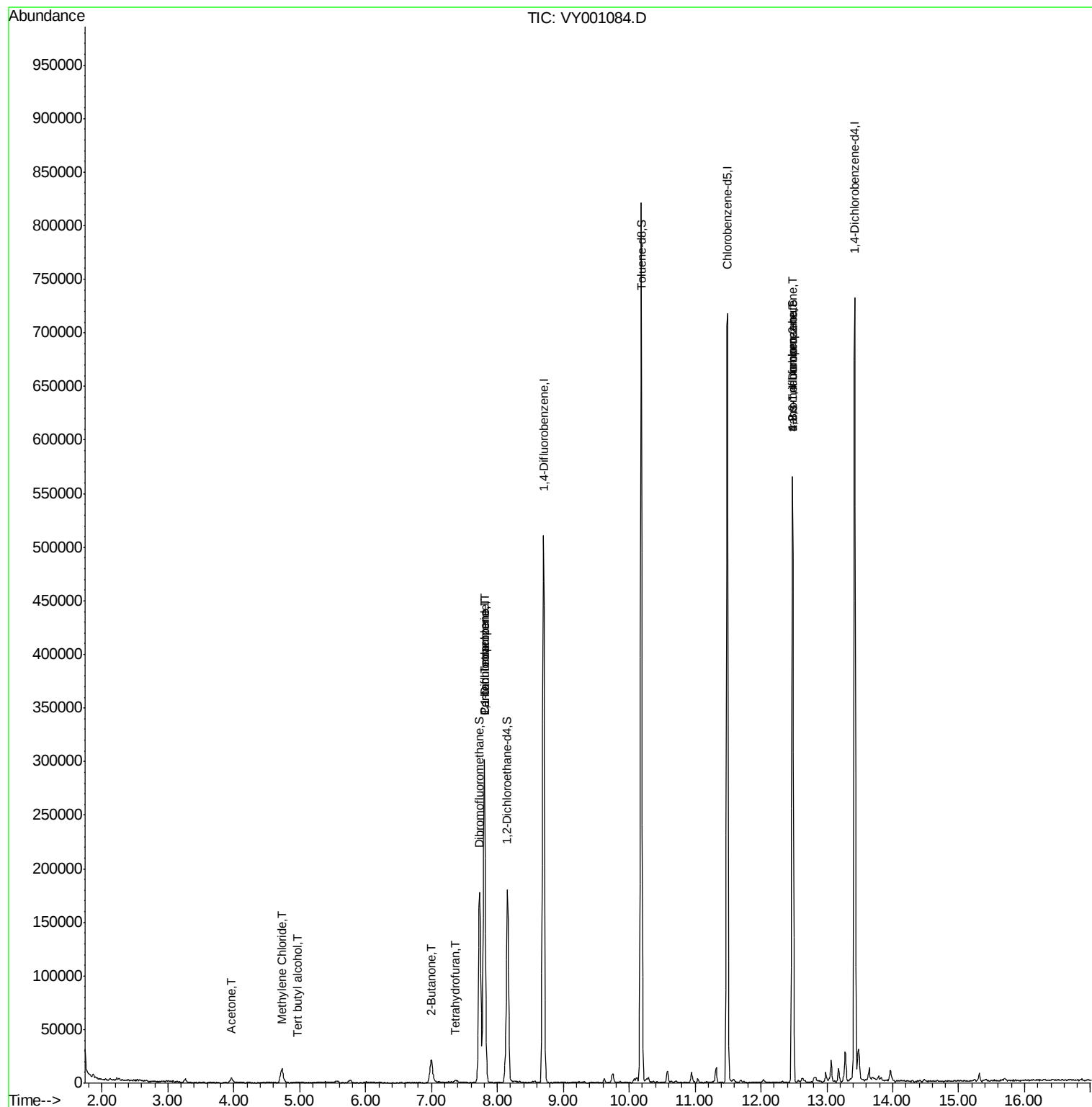
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	239496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	452584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	405099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	181513	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	129761	54.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.86%	
35) Dibromofluoromethane	7.73	113	131546	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
50) Toluene-d8	10.18	98	536241	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.48	95	174994	45.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.92%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	666	2.564	ug/l #	74
16) Acetone	3.96	43	7204	13.239	ug/l	98
20) Methylene Chloride	4.73	84	9788	3.056	ug/l #	81
25) 2-Butanone	7.00	43	2933	3.068	ug/l	90
29) Tetrahydrofuran	7.36	42	1472	2.165	ug/l #	84
36) 1,1-Dichloropropene	7.80	75	18879	4.373	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22486	5.944	ug/l #	20
76) 1,2,3-Trichloropropane	12.48	75	86113	38.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86113	82.075	ug/l #	19

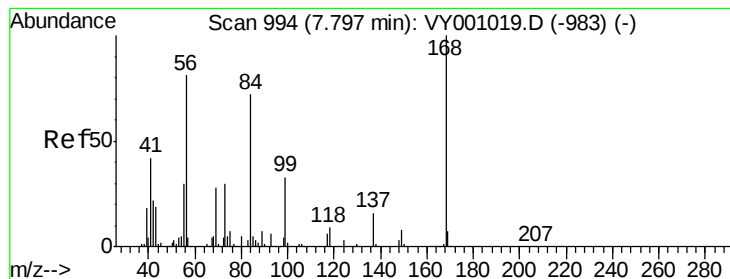
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
Data File : VY001084.D
Acq On : 26 Dec 2019 19:39
Operator : SY/MD
Sample : K6438-07
Misc : 5.28G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF005-01

Quant Time: Dec 27 02:14:16 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: VY001084.D

Acq: 26 Dec 2019 19:39

Instrument :

MSVOA_Y

ClientSampleId :

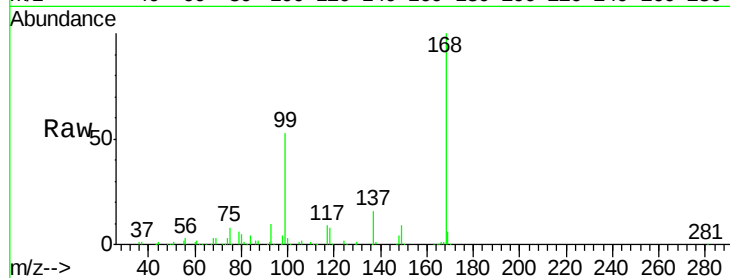
DUNR-BF005-01

Tgt Ion:168 Resp: 239496

Ion Ratio Lower Upper

168 100

99 53.2 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

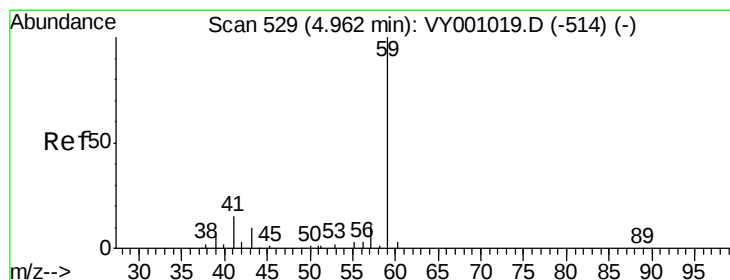
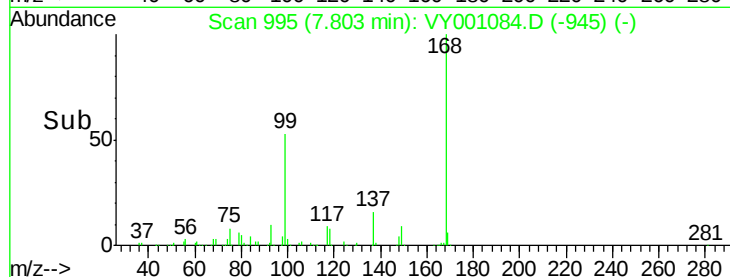
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.564 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY001084.D

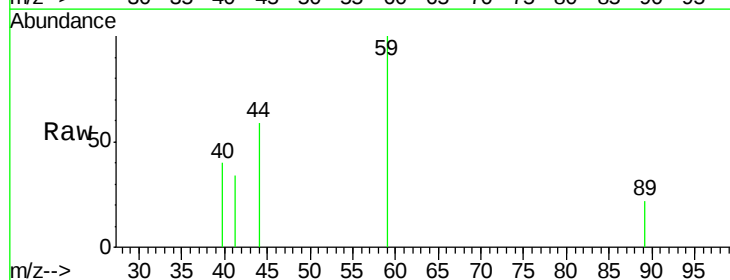
Acq: 26 Dec 2019 19:39

Tgt Ion: 59 Resp: 666

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

400

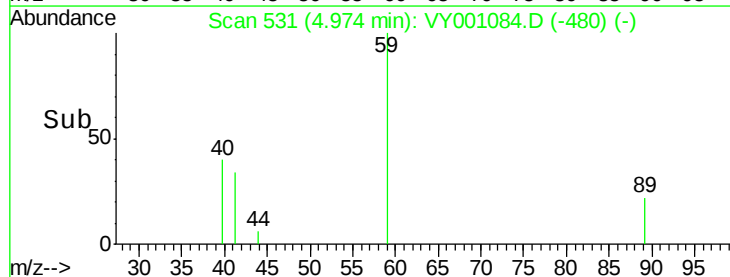
300

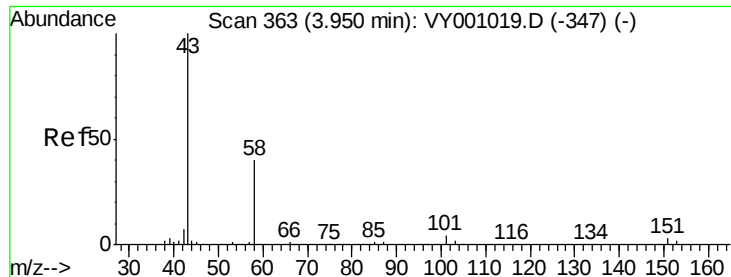
200

100

0

Time-->





#16

Acetone

Concen: 13.239 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

Instrument :

MSVOA_Y

ClientSampleId :

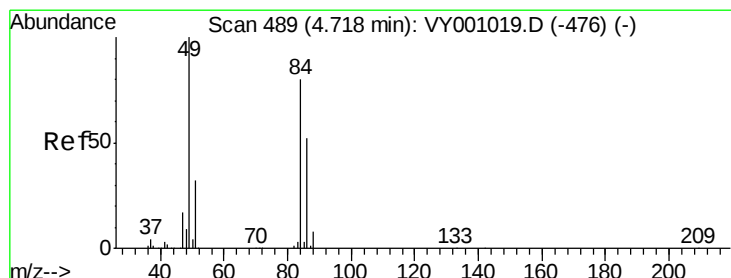
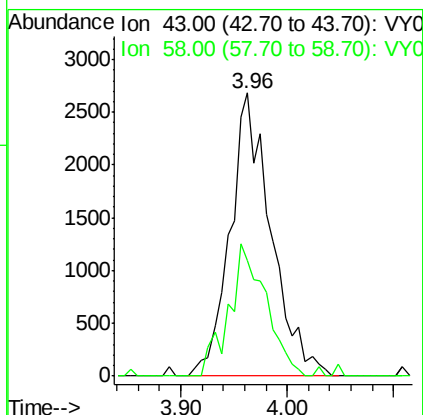
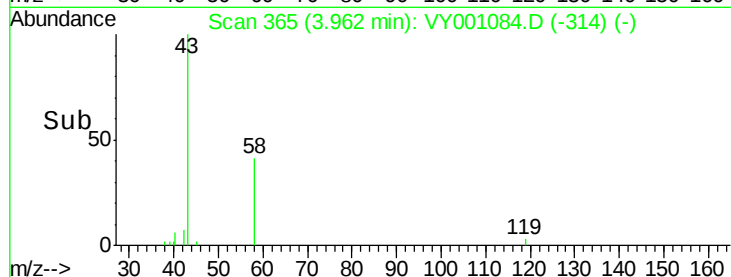
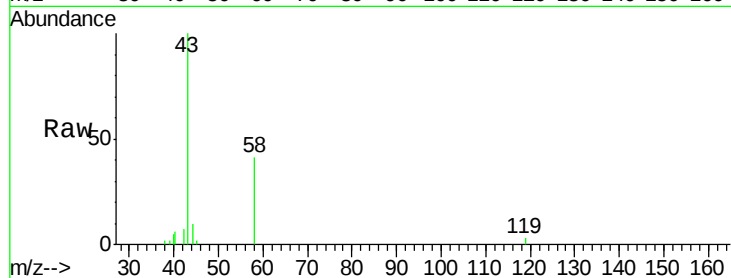
DUNR-BF005-01

Tgt Ion: 43 Resp: 7204

Ion Ratio Lower Upper

43 100

58 41.1 32.1 48.1



#20

Methylene Chloride

Concen: 3.056 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

Tgt Ion: 84 Resp: 9788

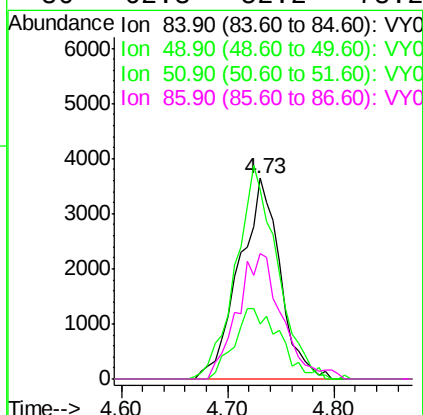
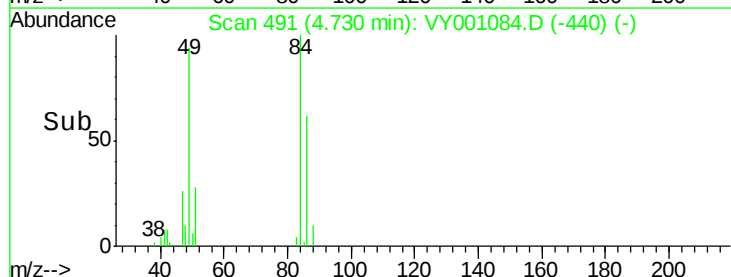
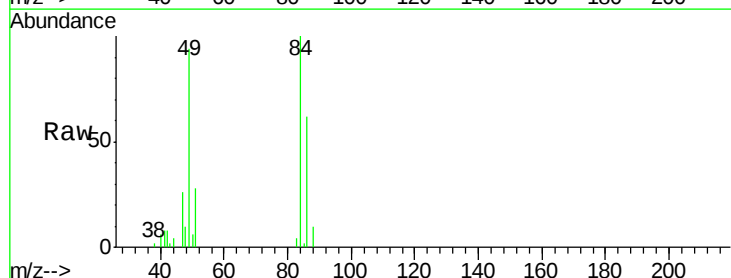
Ion Ratio Lower Upper

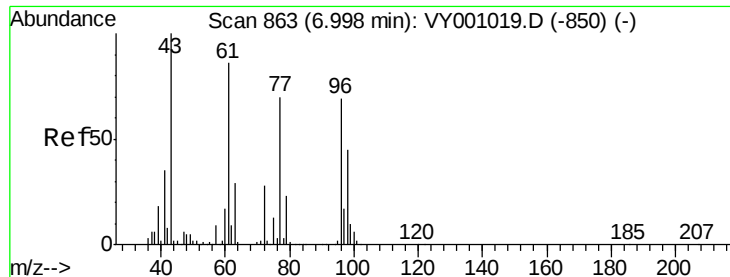
84 100

49 94.2 99.8 149.6#

51 27.6 31.4 47.2#

86 62.3 52.2 78.2





#25

2-Butanone

Concen: 3.068 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

Instrument :

MSVOA_Y

ClientSampleId :

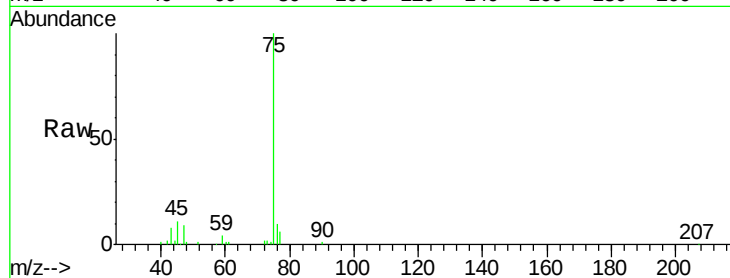
DUNR-BF005-01

Tgt Ion: 43 Resp: 2933

Ion Ratio Lower Upper

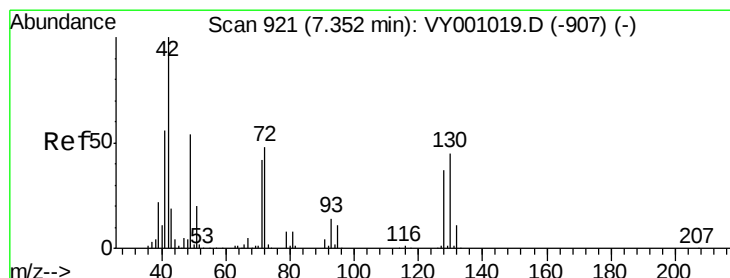
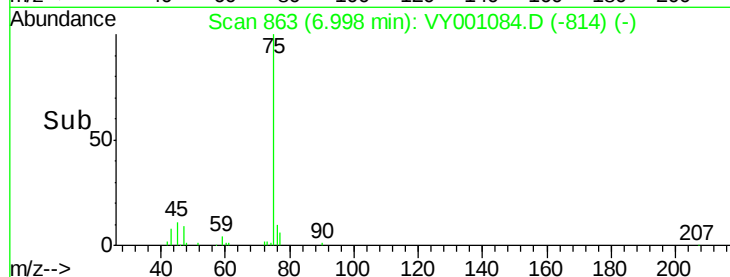
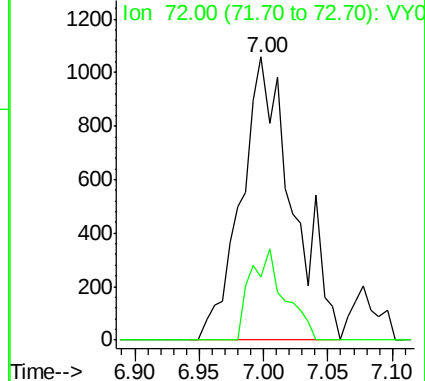
43 100

72 22.5 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: 2.165 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

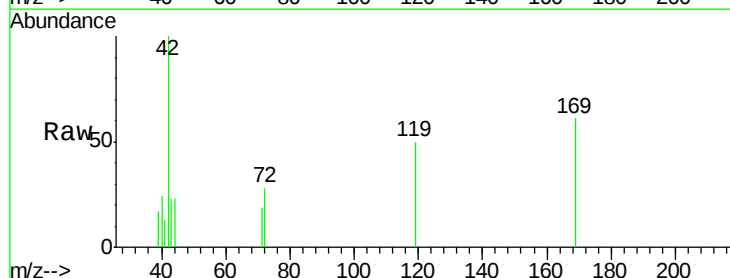
Tgt Ion: 42 Resp: 1472

Ion Ratio Lower Upper

42 100

72 32.4 37.7 56.5#

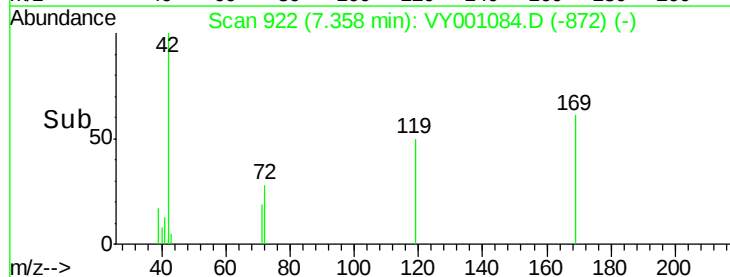
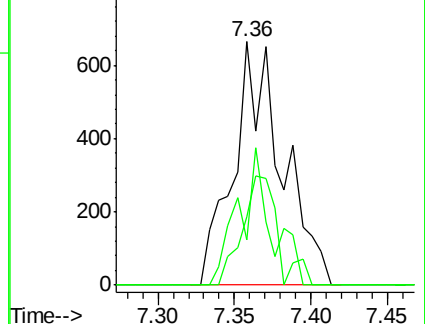
71 37.1 34.6 51.8

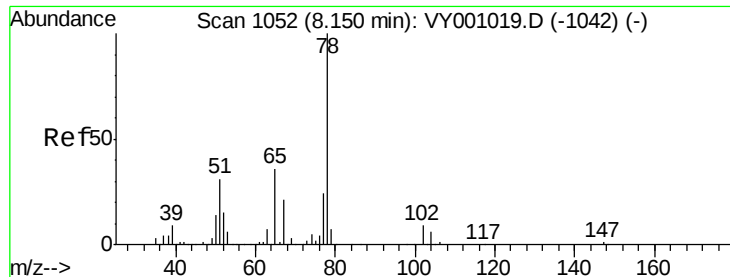


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 54.935 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

Instrument :

MSVOA_Y

ClientSampleId :

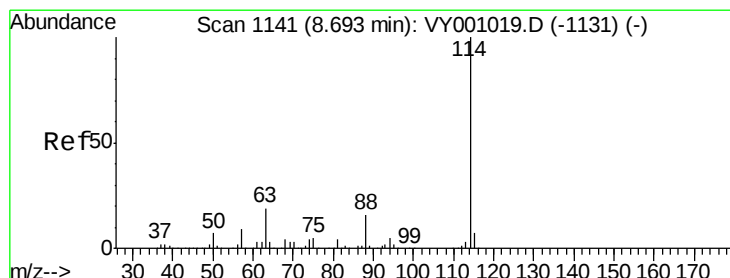
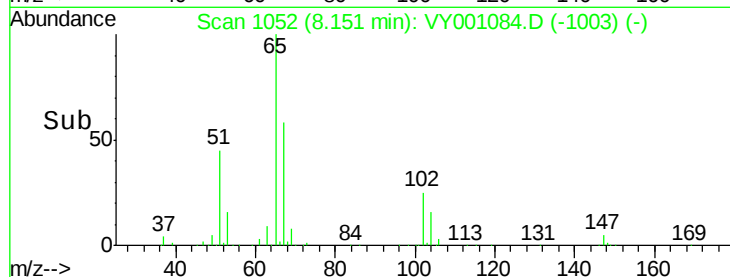
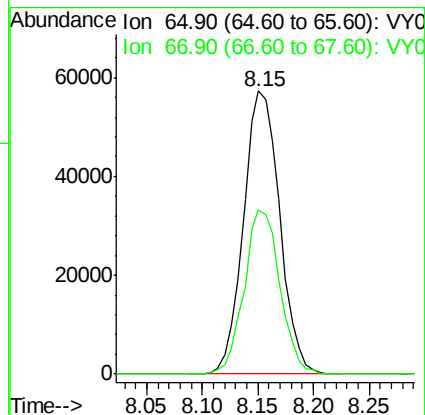
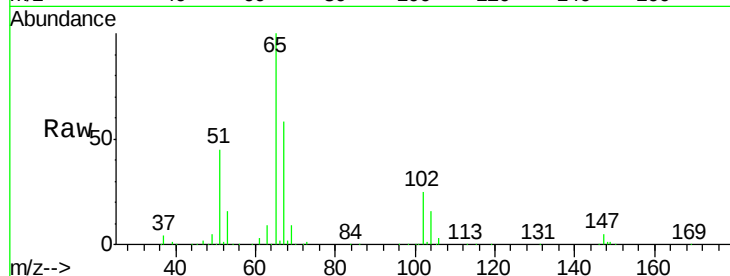
DUNR-BF005-01

Tgt Ion: 65 Resp: 129761

Ion Ratio Lower Upper

65 100

67 57.4 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: VY001084.D

Acq: 26 Dec 2019 19:39

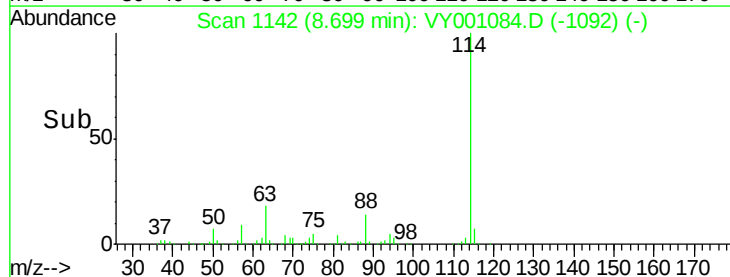
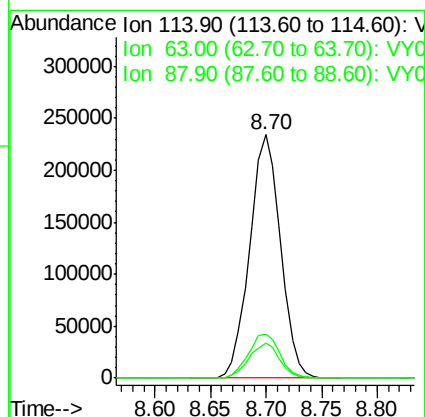
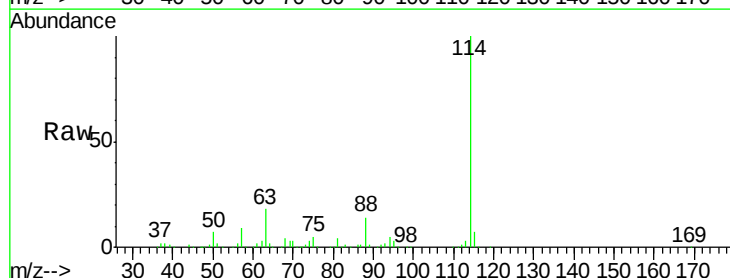
Tgt Ion: 114 Resp: 452584

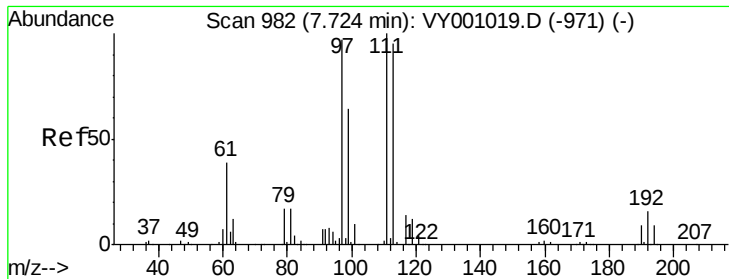
Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.0

88 14.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.359 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF005-01

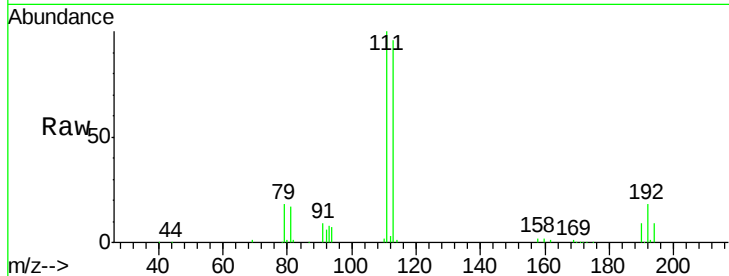
Tgt Ion:113 Resp: 131546

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.4

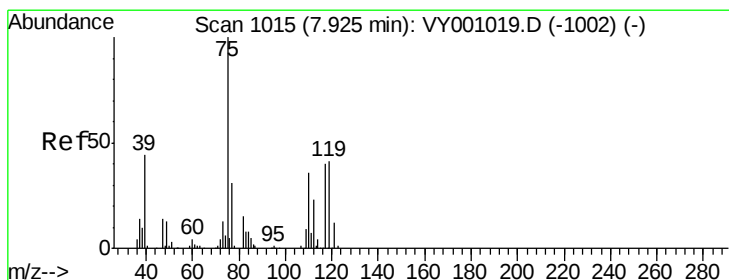
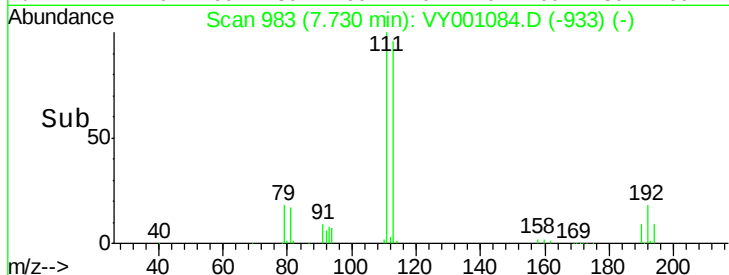
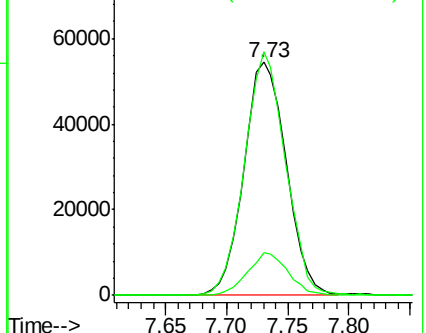
192 17.7 14.6 21.8



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: 4.373 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

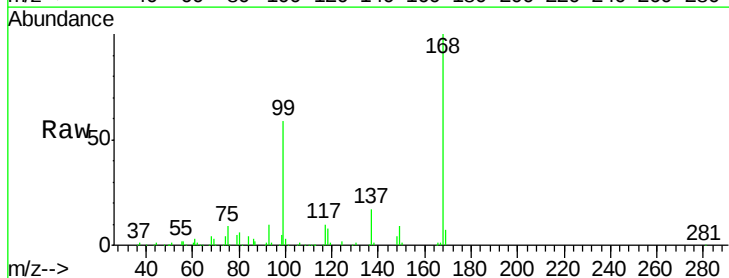
Tgt Ion: 75 Resp: 18879

Ion Ratio Lower Upper

75 100

110 7.6 18.1 54.4#

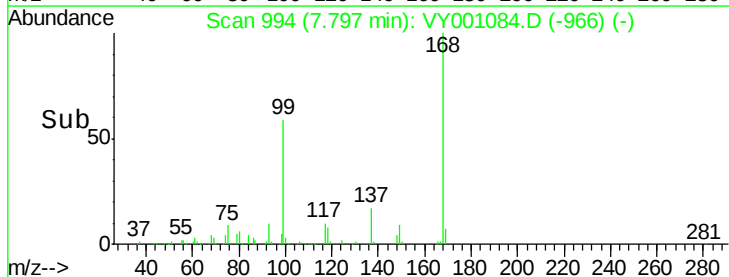
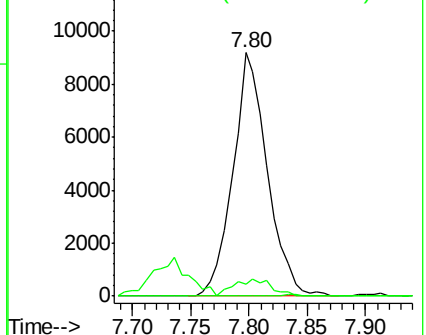
77 0.0 24.6 37.0#

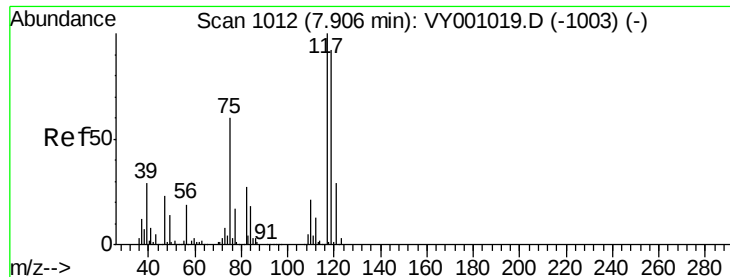


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.944 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF005-01

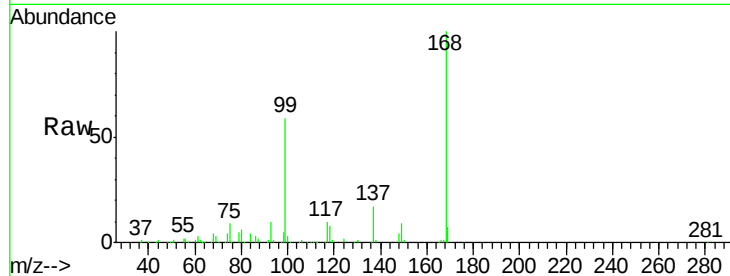
Tgt Ion:117 Resp: 22486

Ion Ratio Lower Upper

117 100

119 7.9 74.2 111.2#

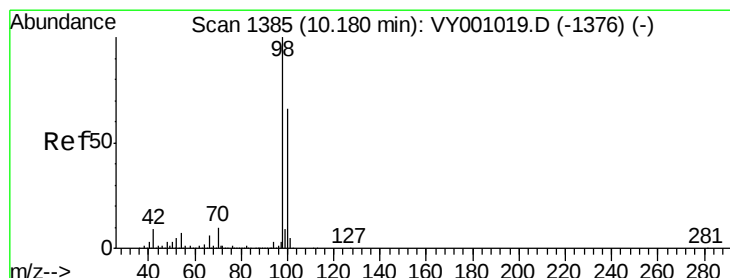
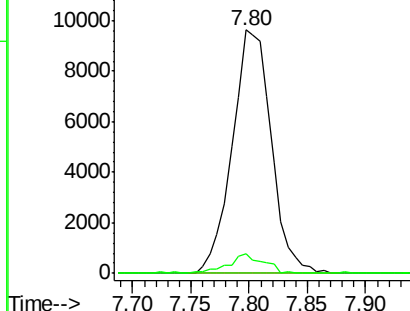
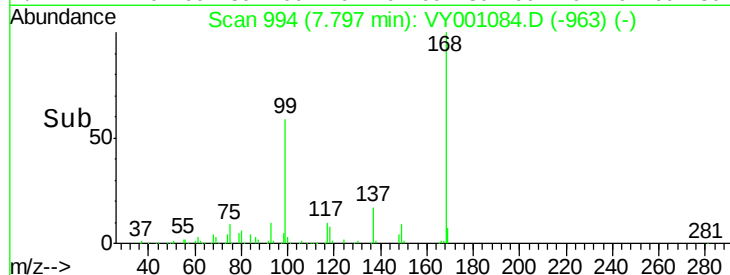
121 0.0 22.9 34.3#



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: 51.487 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001084.D

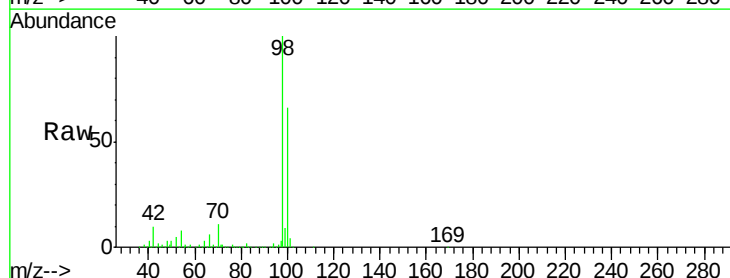
Acq: 26 Dec 2019 19:39

Tgt Ion: 98 Resp: 536241

Ion Ratio Lower Upper

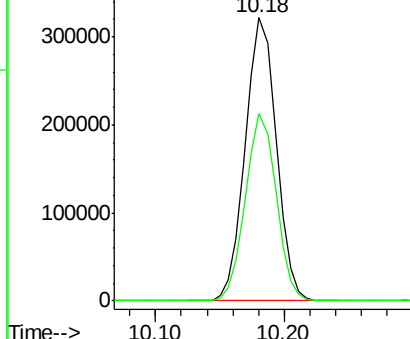
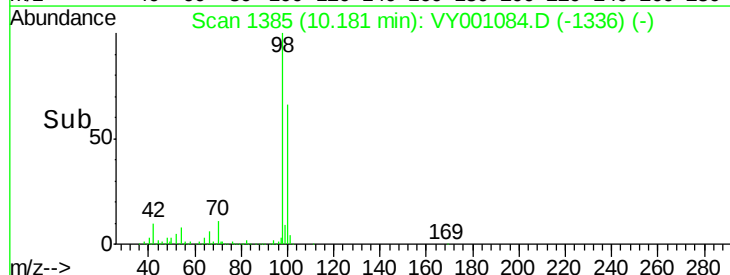
98 100

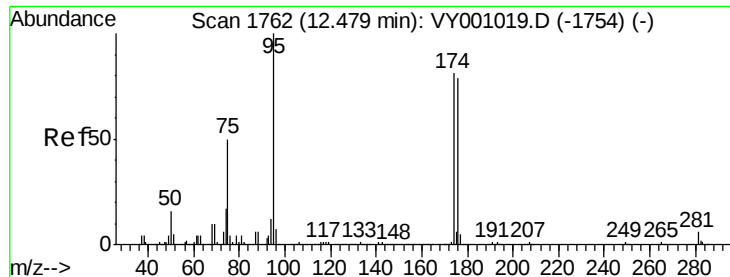
100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

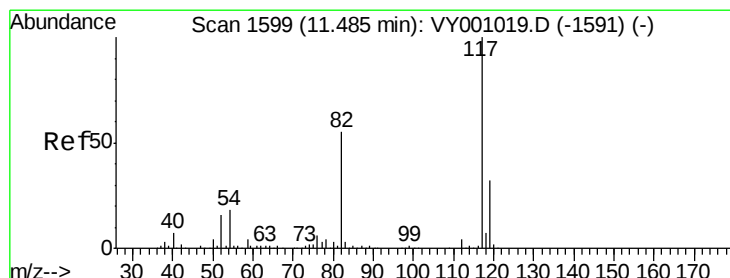
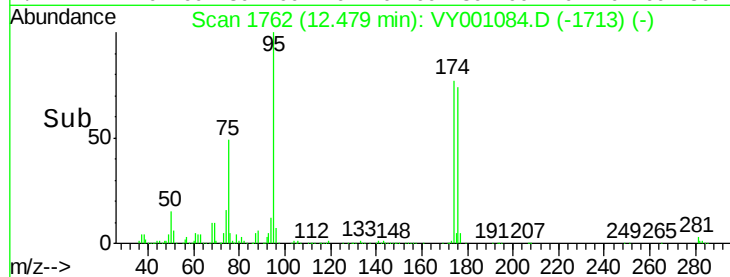
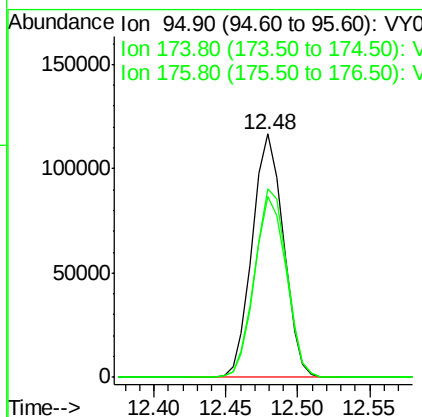
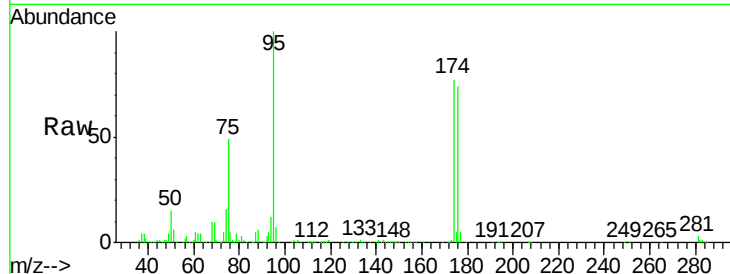




#62
4-Bromofluorobenzene
Concen: 45.955 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001084.D
Acq: 26 Dec 2019 19:39

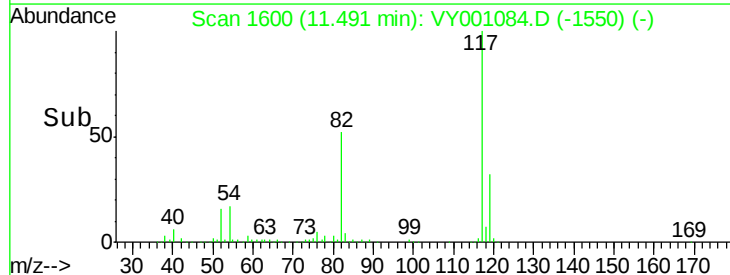
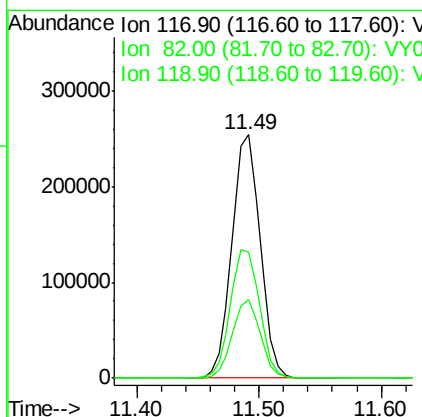
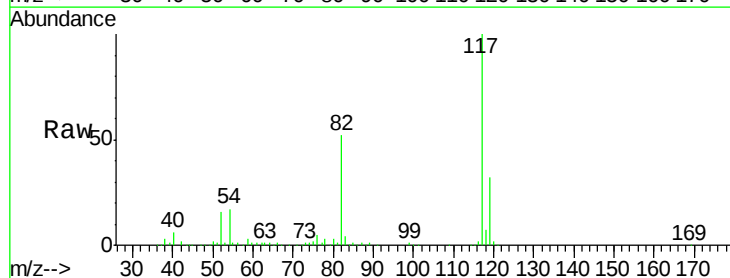
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF005-01

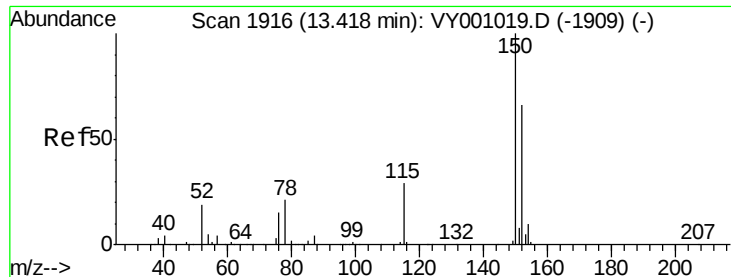
Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.7	0.0	156.4
176	75.8	0.0	155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001084.D
Acq: 26 Dec 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	43.8	65.8
119	32.2	25.8	38.6



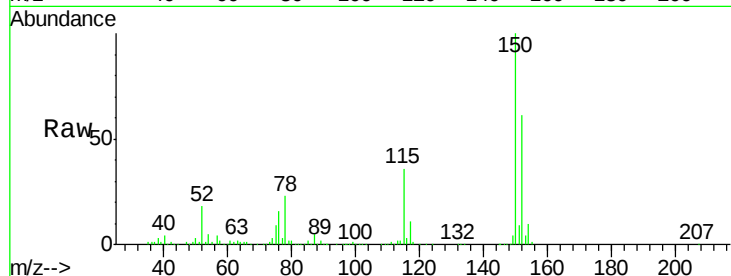


#72

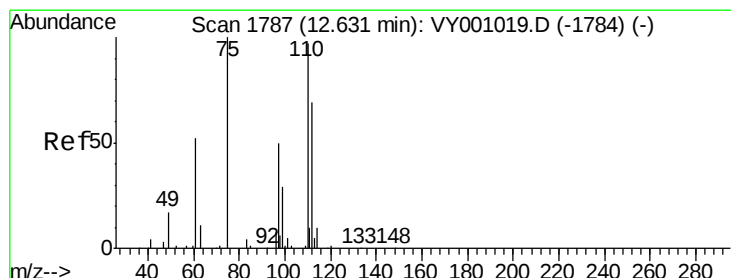
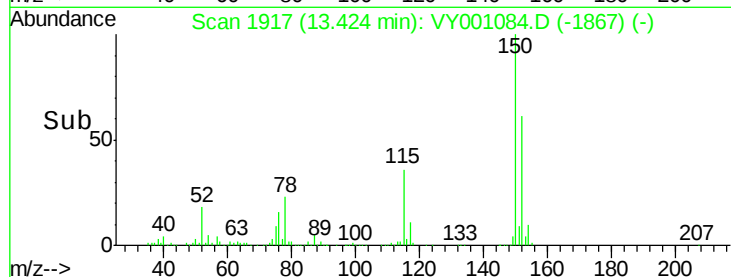
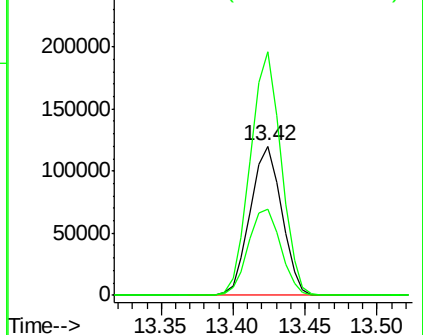
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001084.D
Acq: 26 Dec 2019 19:39

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF005-01

Tgt Ion:152 Resp: 181513
Ion Ratio Lower Upper
152 100
115 59.9 29.8 89.3
150 159.8 0.0 352.6



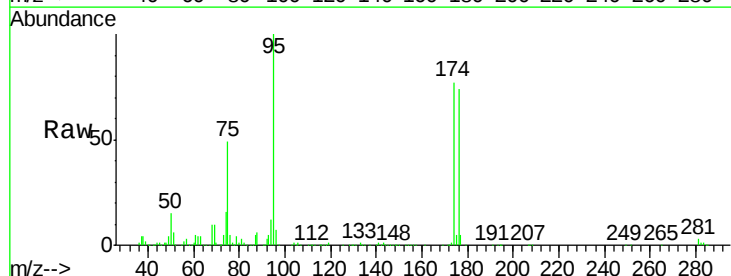
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



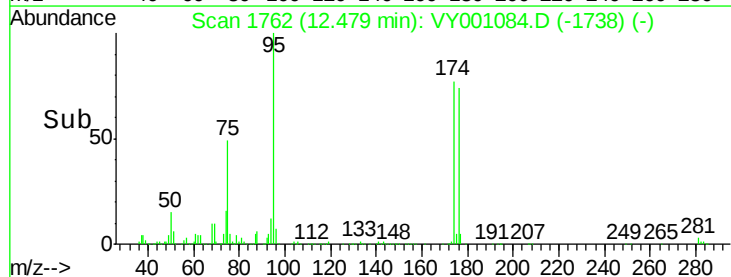
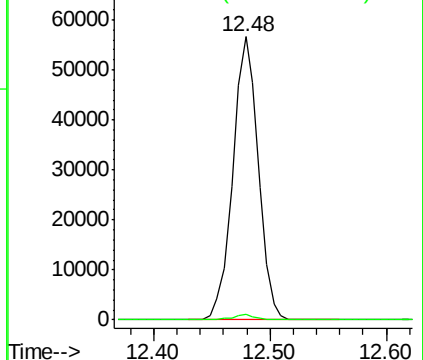
#76

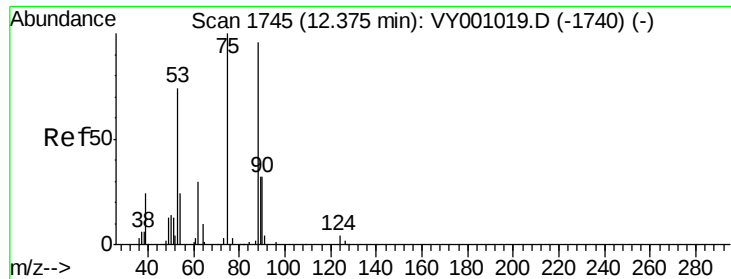
1,2,3-Trichloropropane
Concen: 38.483 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001084.D
Acq: 26 Dec 2019 19:39

Tgt Ion: 75 Resp: 86113
Ion Ratio Lower Upper
75 100
77 1.6 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: 82.075 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001084.D

Acq: 26 Dec 2019 19:39

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF005-01

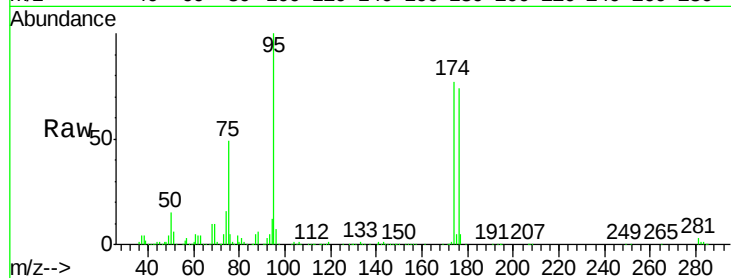
Tgt Ion: 75 Resp: 86113

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.3 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

