

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001083.D
 Acq On : 26 Dec 2019 19:16
 Operator : SY/MD
 Sample : K6438-06
 Misc : 4.82G/5ML/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF004-01

Quant Time: Dec 27 02:14:05 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	237735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	447865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	407530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	180821	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	127681	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.73	113	129153	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.18	98	527600	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.48	95	180354	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

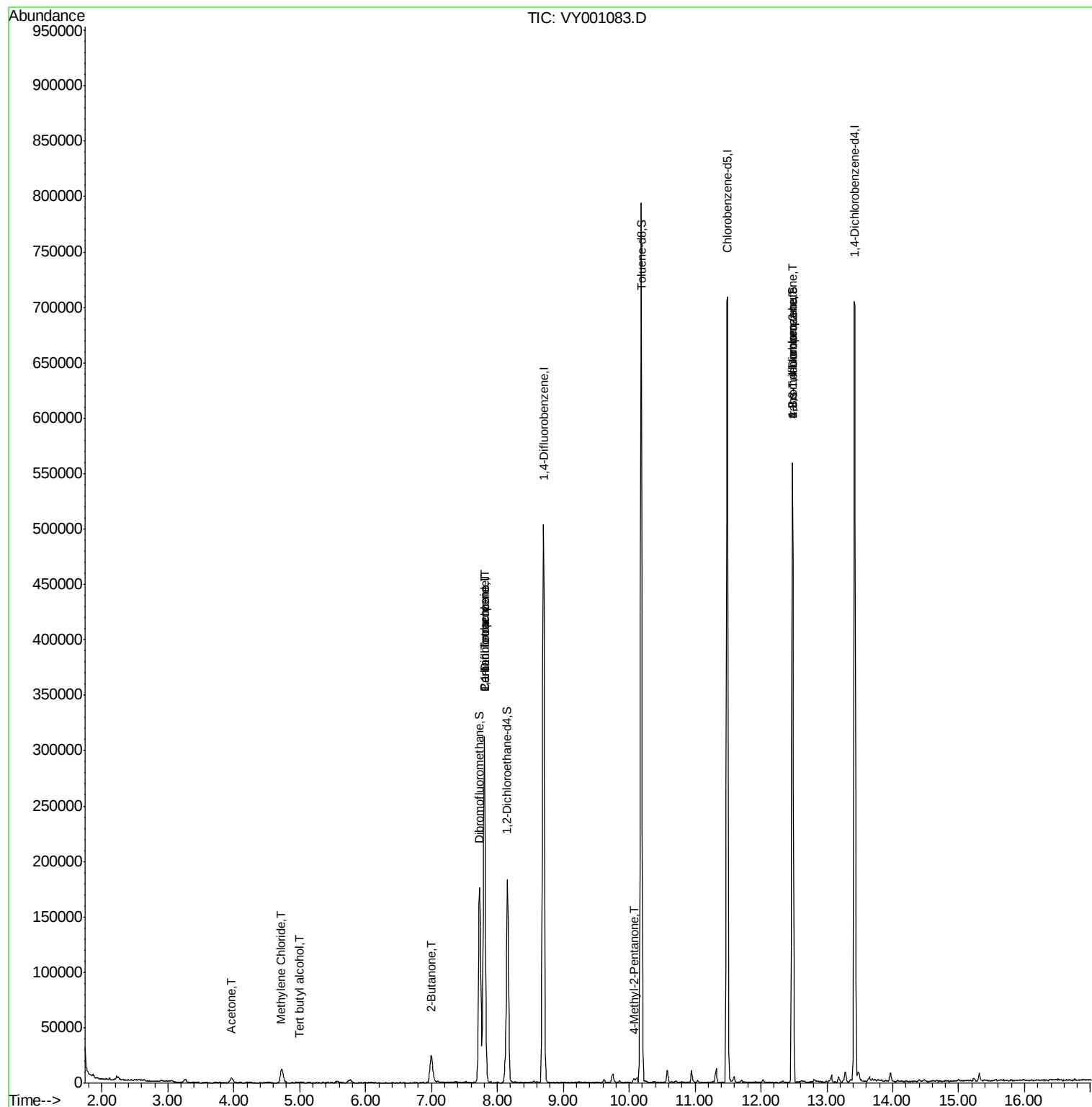
Target Compounds						Qvalue
11) Tert butyl alcohol	4.99	59	800	3.103	ug/l #	74
16) Acetone	3.96	43	7501	13.887	ug/l	91
20) Methylene Chloride	4.72	84	9190	2.890	ug/l #	77
25) 2-Butanone	7.00	43	2110	2.224	ug/l	100
36) 1,1-Dichloropropene	7.80	75	20094	4.703	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21910	5.853	ug/l #	17
51) 4-Methyl-2-Pentanone	10.07	43	2692	1.179	ug/l	91
76) 1,2,3-Trichloropropane	12.48	75	87509	39.257	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87509	83.725	ug/l #	19

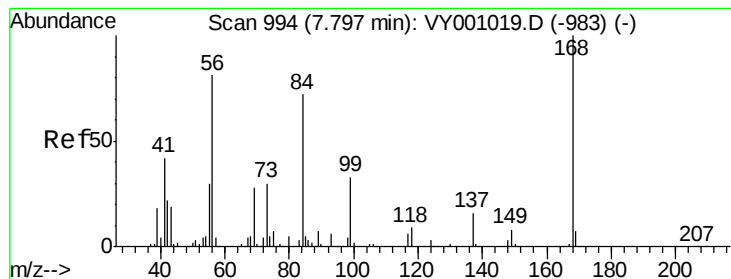
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001083.D

Acq: 26 Dec 2019 19:16

Instrument :

MSVOA_Y

ClientSampleId :

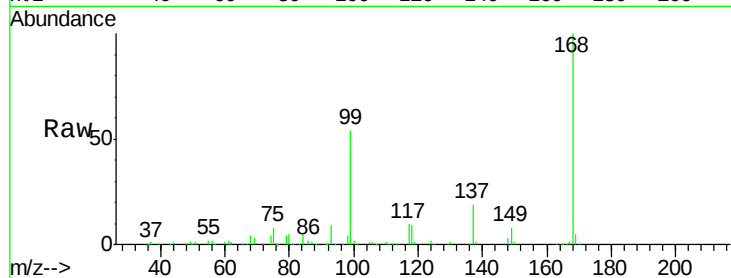
DUNR-BF004-01

Tgt Ion:168 Resp: 237735

Ion Ratio Lower Upper

168 100

99 54.2 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

120000

100000

80000

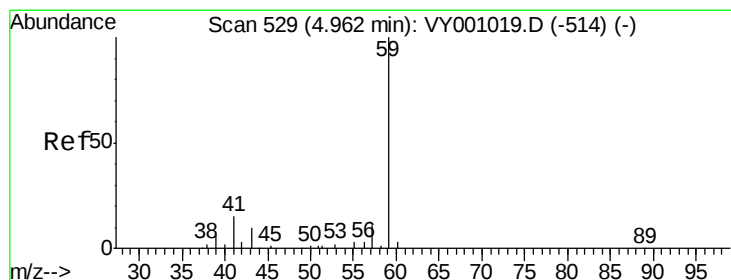
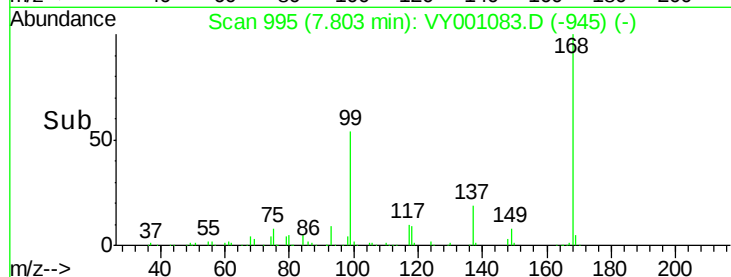
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.103 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.03 min

Lab File: VY001083.D

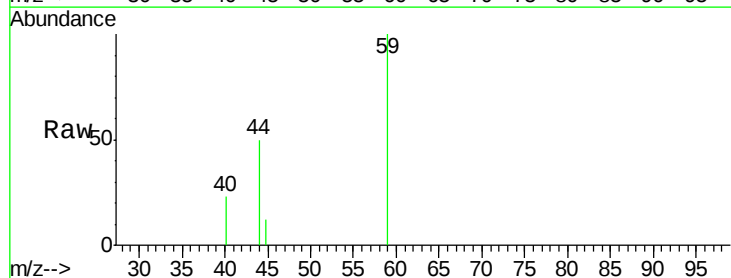
Acq: 26 Dec 2019 19:16

Tgt Ion: 59 Resp: 800

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) (-)

4.99

500

400

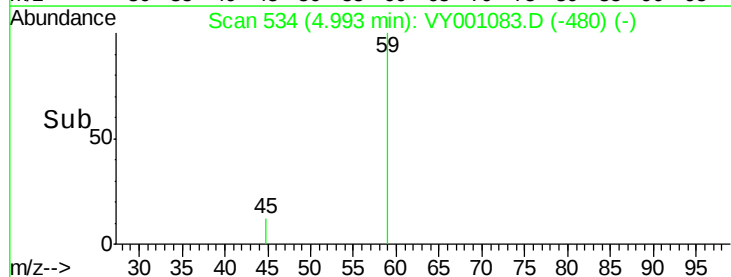
300

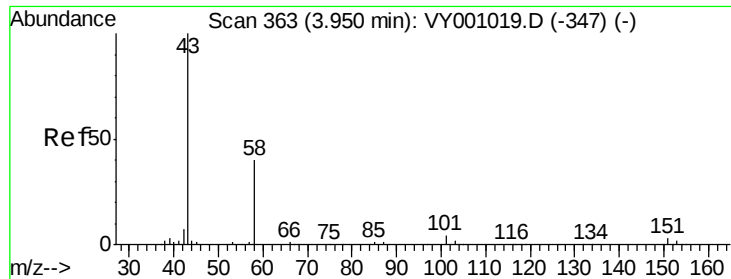
200

100

0

Time-->





#16

Acetone

Concen: 13.887 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

Instrument :

MSVOA_Y

ClientSampleId :

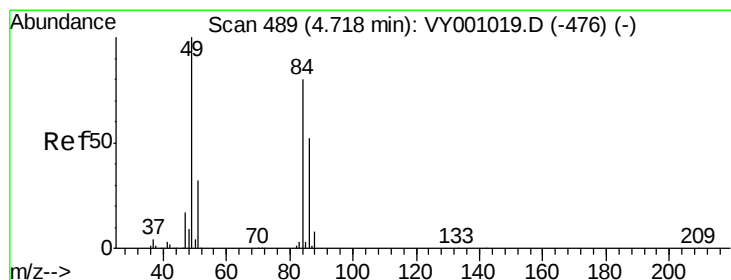
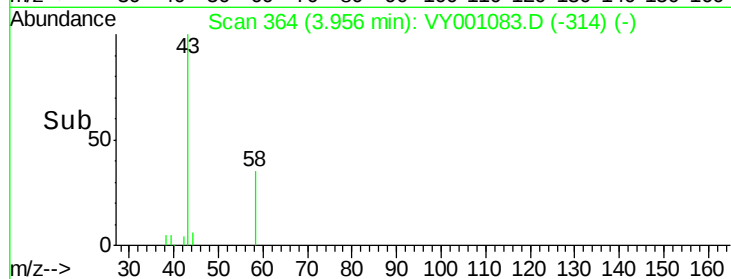
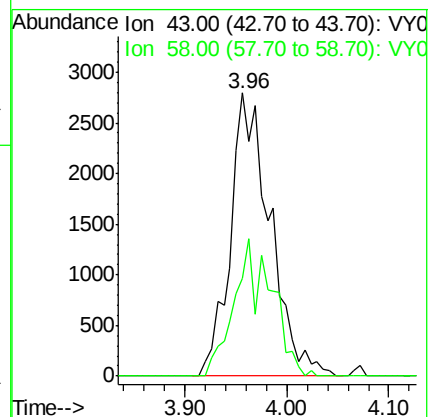
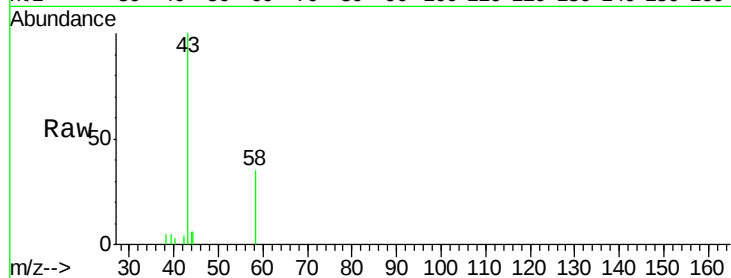
DUNR-BF004-01

Tgt Ion: 43 Resp: 7501

Ion Ratio Lower Upper

43 100

58 34.5 32.1 48.1



#20

Methylene Chloride

Concen: 2.890 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

Tgt Ion: 84 Resp: 9190

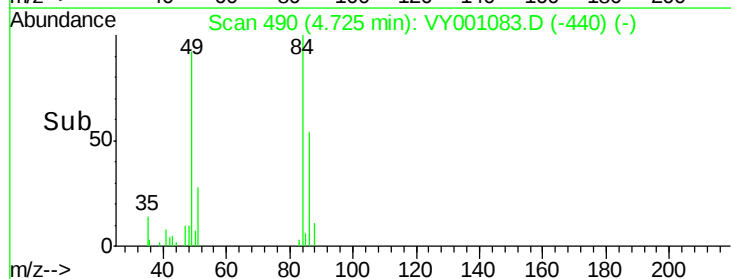
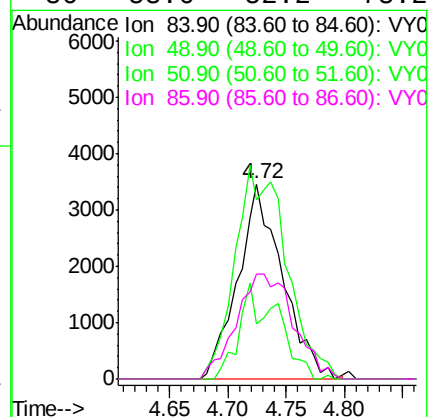
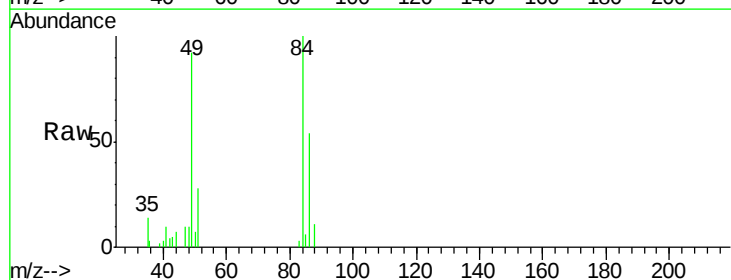
Ion Ratio Lower Upper

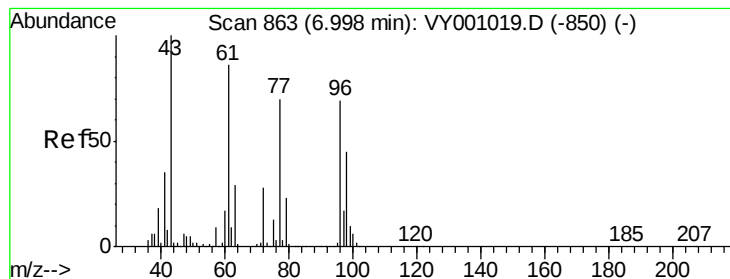
84 100

49 91.9 99.8 149.6#

51 28.3 31.4 47.2#

86 53.6 52.2 78.2





#25

2-Butanone

Concen: 2.224 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

Instrument :

MSVOA_Y

ClientSampleId :

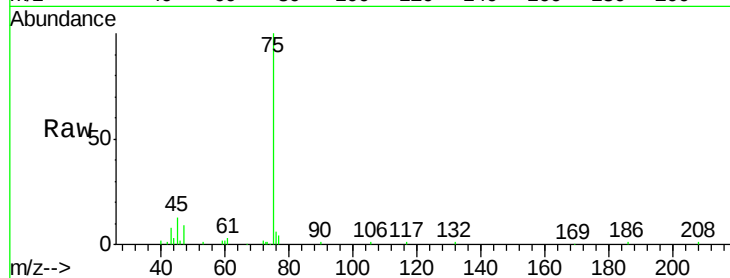
DUNR-BF004-01

Tgt Ion: 43 Resp: 2110

Ion Ratio Lower Upper

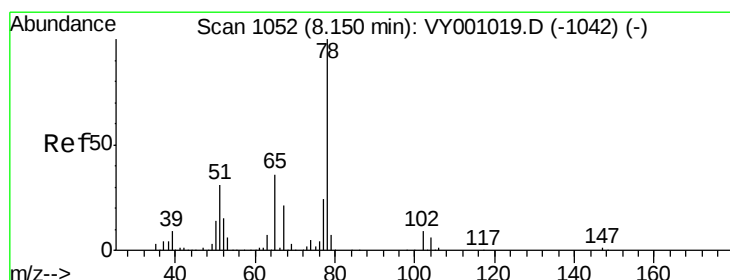
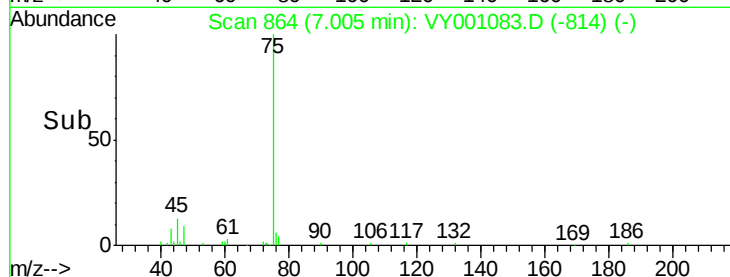
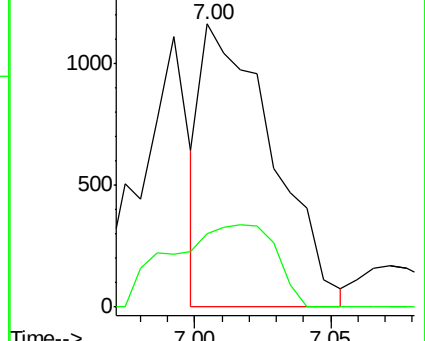
43 100

72 27.9 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: 54.455 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001083.D

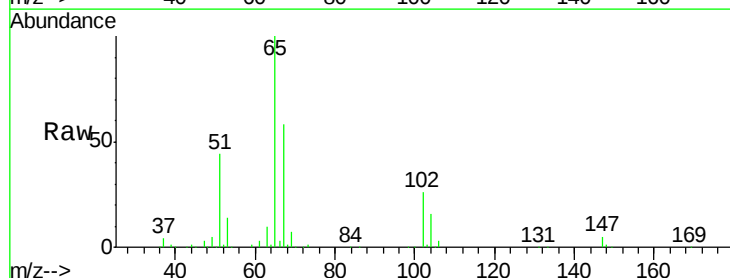
Acq: 26 Dec 2019 19:16

Tgt Ion: 65 Resp: 127681

Ion Ratio Lower Upper

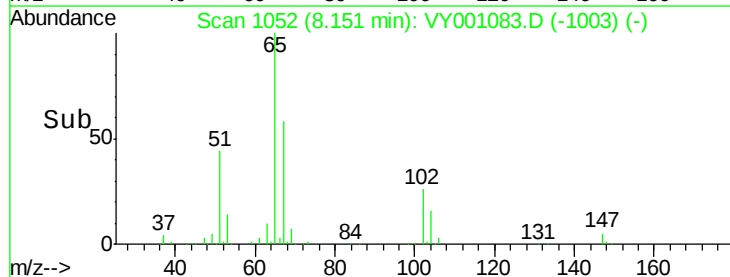
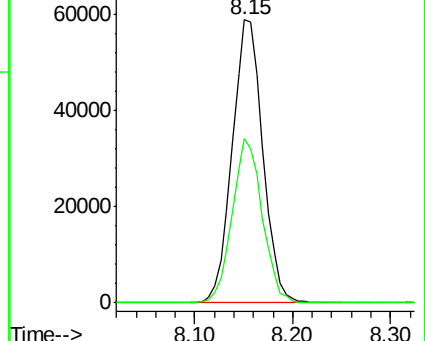
65 100

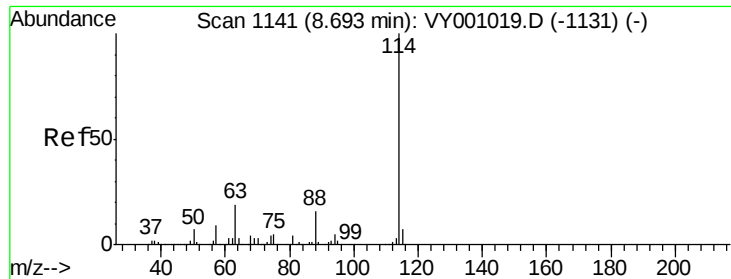
67 56.8 0.0 112.8



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: VY001083.D

Acq: 26 Dec 2019 19:16

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF004-01

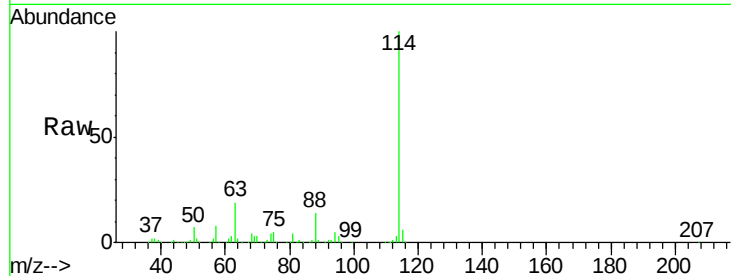
Tgt Ion:114 Resp: 447865

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.0

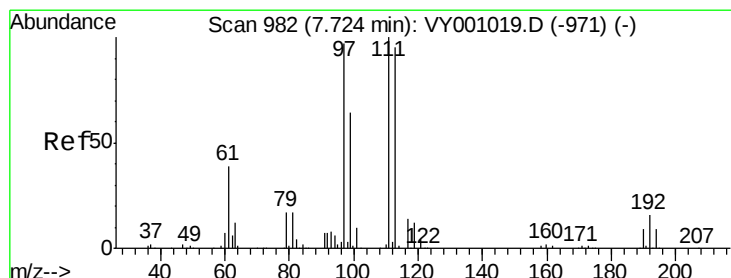
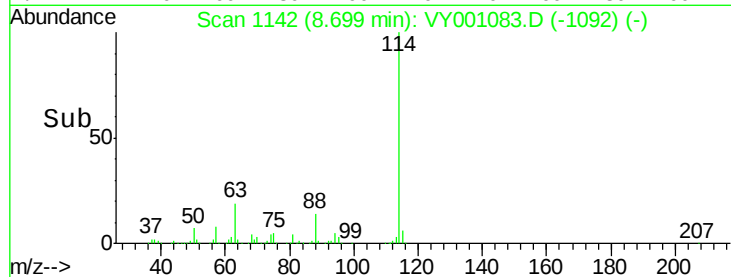
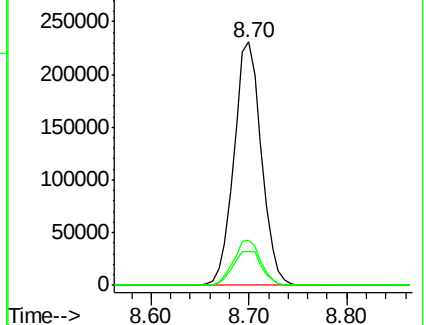
88 13.7 0.0 32.0



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: 48.972 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

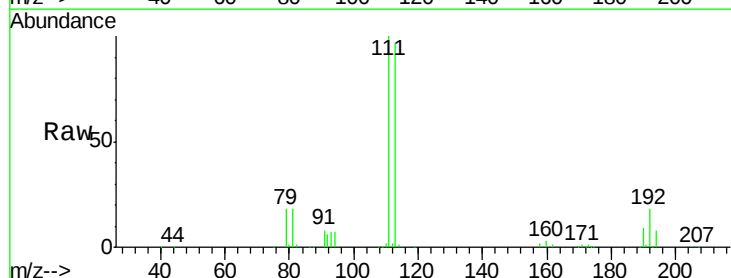
Tgt Ion:113 Resp: 129153

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

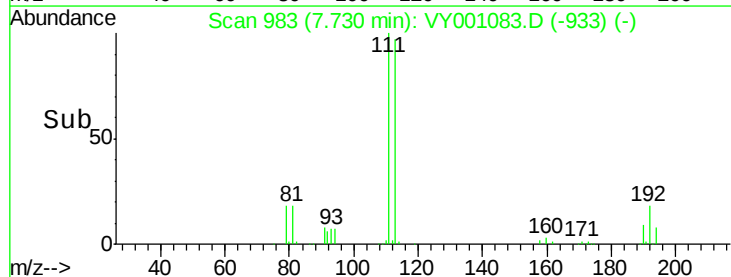
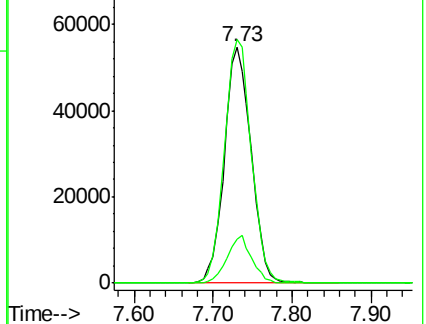
192 18.4 14.6 21.8

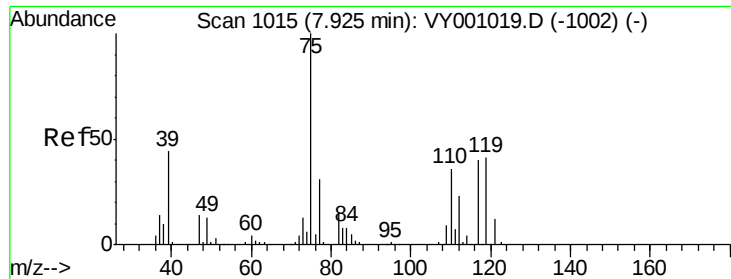


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF004-01

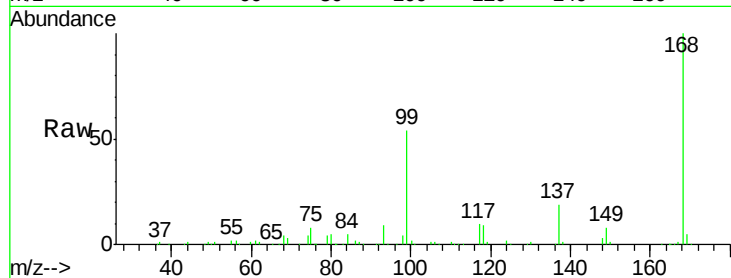
Tgt Ion: 75 Resp: 20094

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.4#

77 0.0 24.6 37.0#

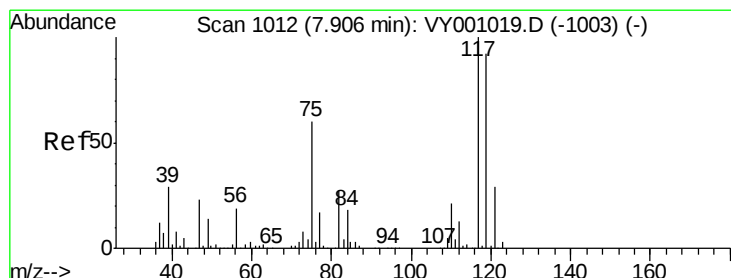
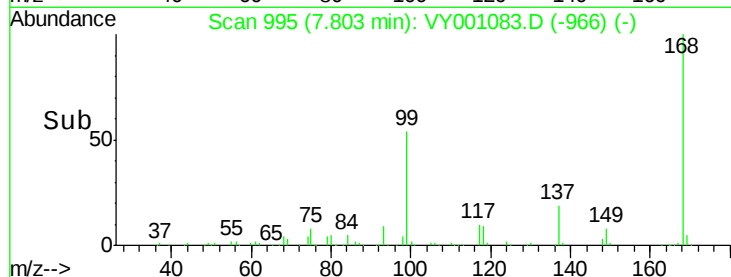


Abundance Ion 74.90 (74.60 to 75.60): VY001019.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VY001019.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VY001019.D (-1002) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.853 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

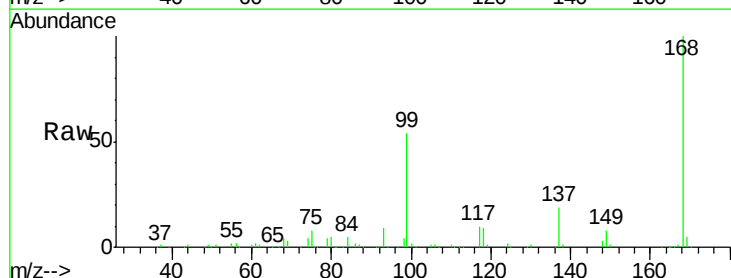
Tgt Ion: 117 Resp: 21910

Ion Ratio Lower Upper

117 100

119 4.9 74.2 111.2#

121 0.0 22.9 34.3#

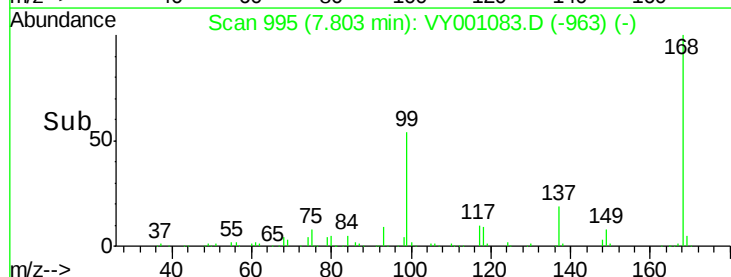


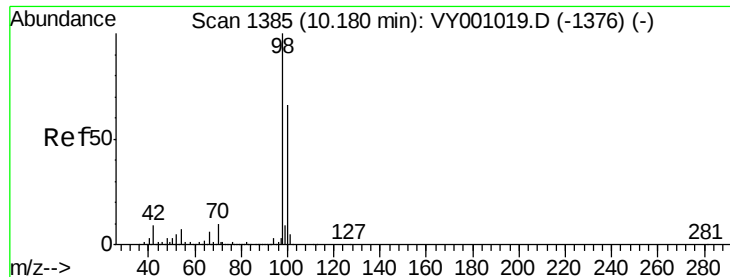
Abundance Ion 116.80 (116.50 to 117.50): VY001019.D (-1003) (-)

Ion 118.80 (118.50 to 119.50): VY001019.D (-1003) (-)

Ion 120.80 (120.50 to 121.50): VY001019.D (-1003) (-)

Time-->





#50

Toluene-d8

Concen: 51.191 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

Instrument :

MSVOA_Y

ClientSampleId :

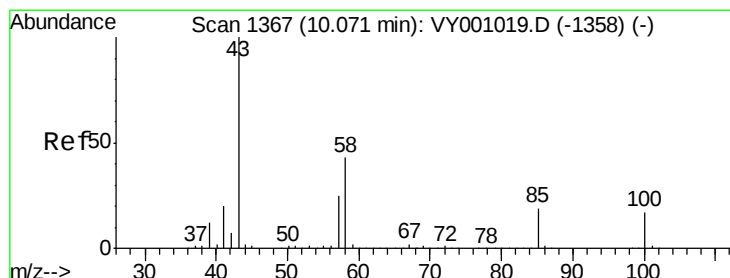
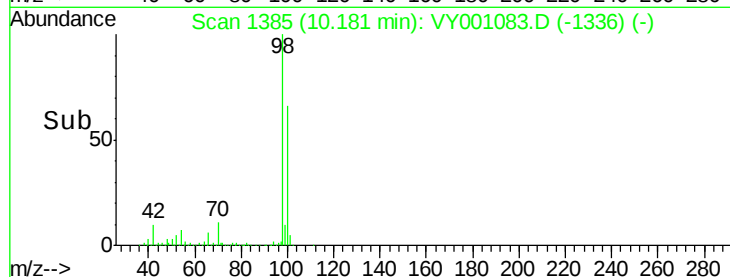
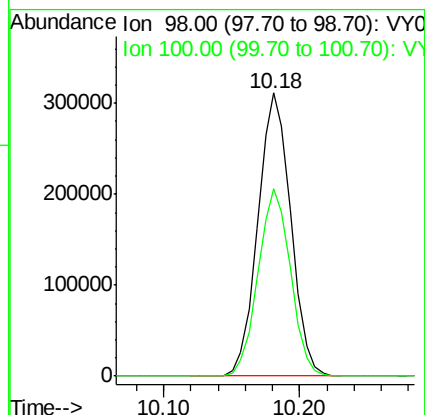
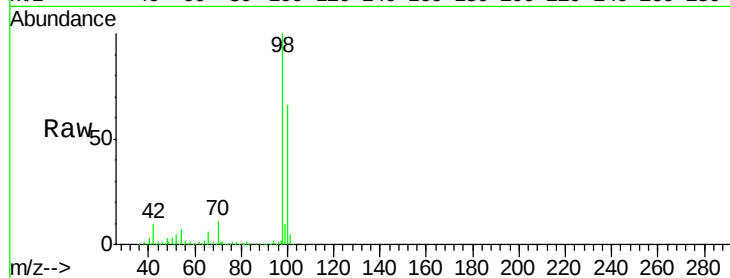
DUNR-BF004-01

Tgt Ion: 98 Resp: 527600

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.179 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001083.D

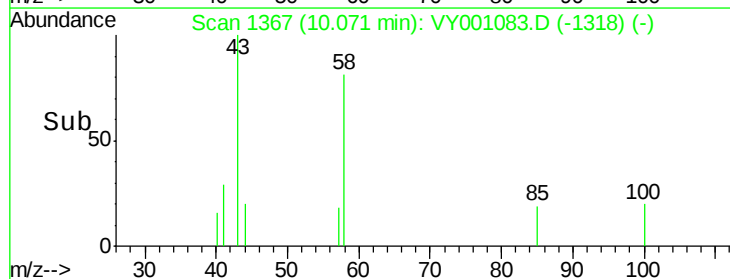
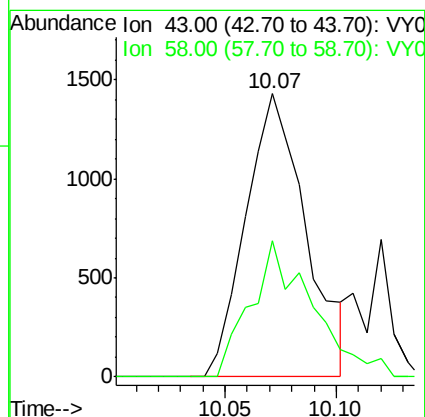
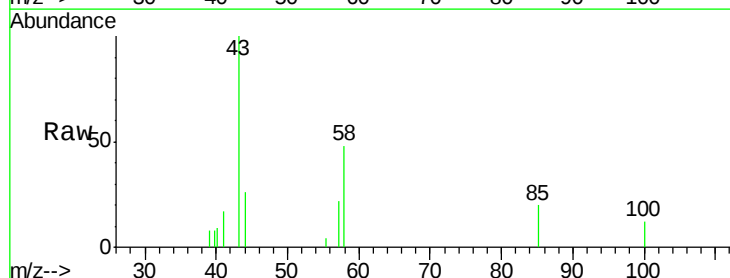
Acq: 26 Dec 2019 19:16

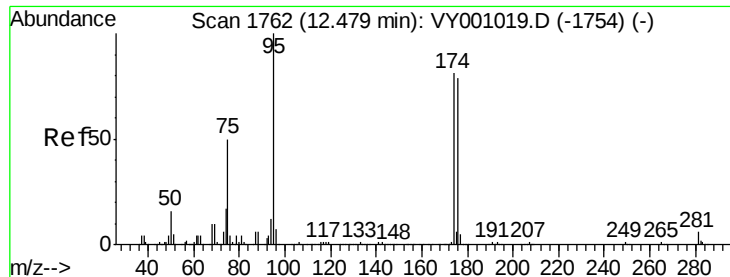
Tgt Ion: 43 Resp: 2692

Ion Ratio Lower Upper

43 100

58 49.1 34.6 52.0

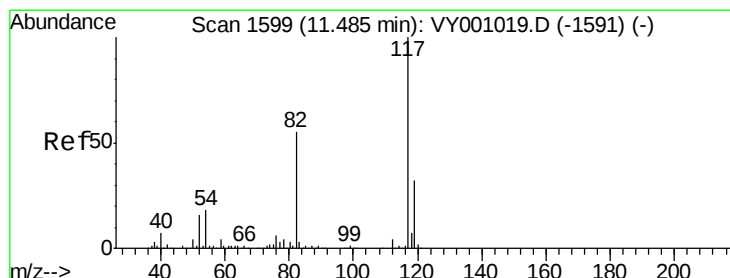
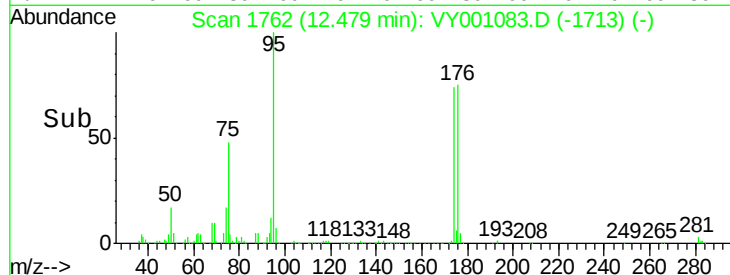
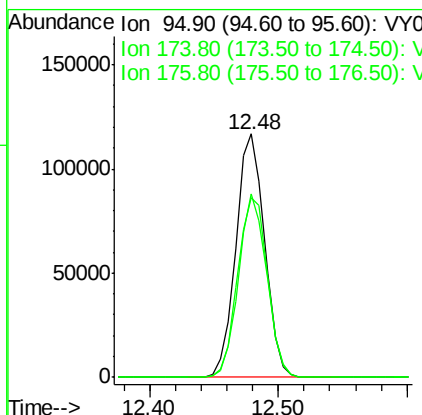
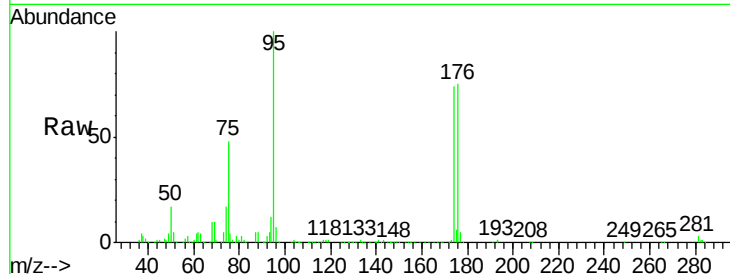




#62
4-Bromofluorobenzene
Concen: 47.862 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001083.D
Acq: 26 Dec 2019 19:16

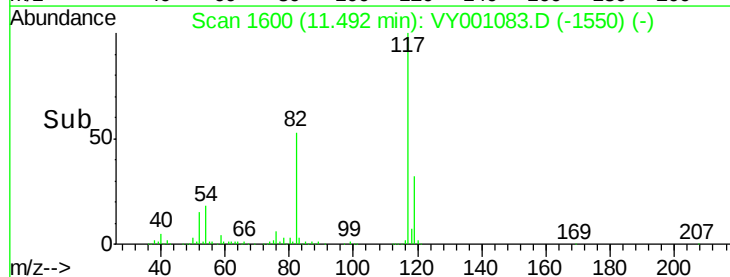
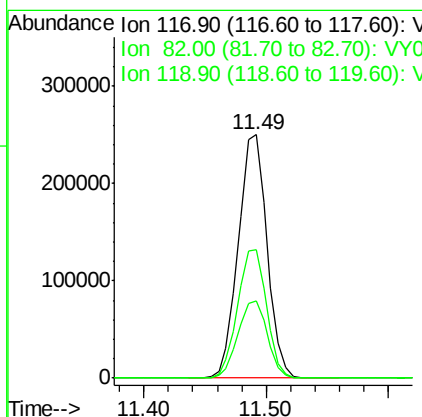
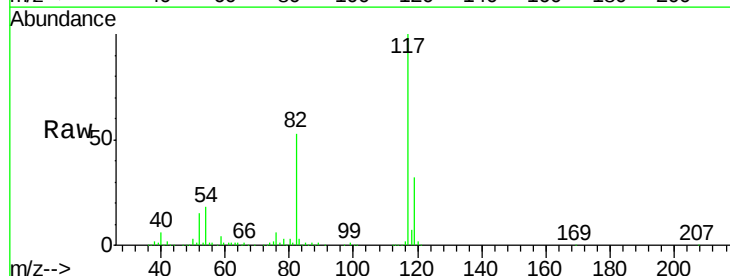
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF004-01

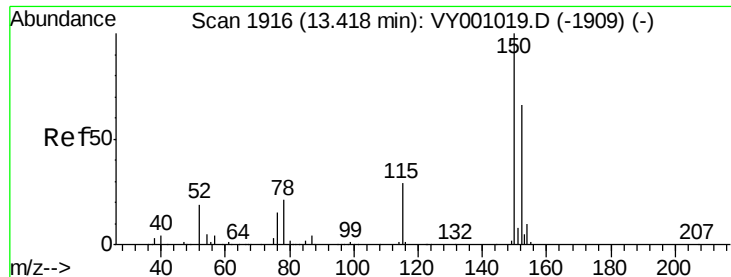
Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	156.4
176	73.5	0.0	155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001083.D
Acq: 26 Dec 2019 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.8	65.8
119	31.9	25.8	38.6



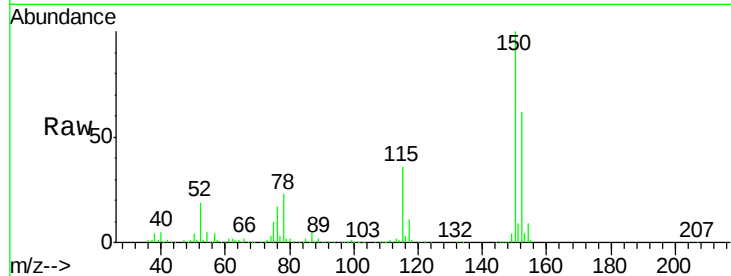


#72

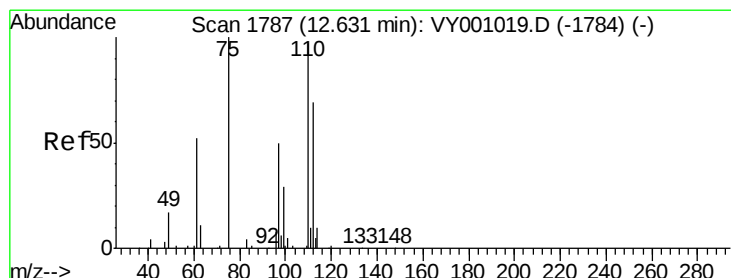
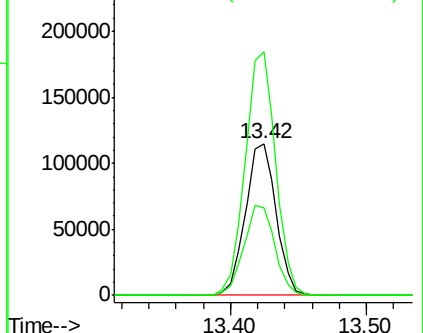
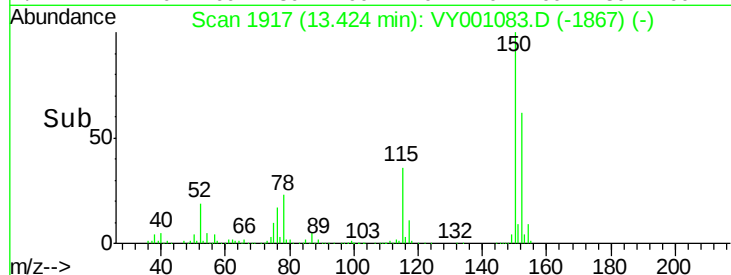
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001083.D
Acq: 26 Dec 2019 19:16

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF004-01

Tgt Ion:152 Resp: 180821
Ion Ratio Lower Upper
152 100
115 59.8 29.8 89.3
150 159.6 0.0 352.6



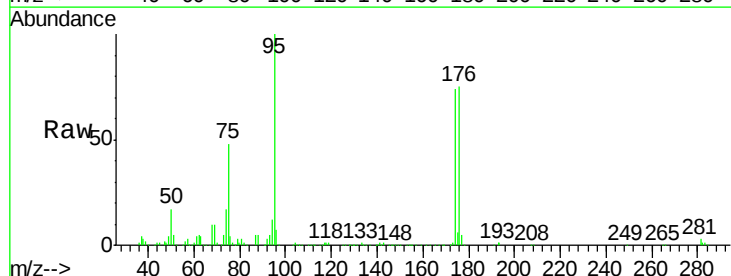
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



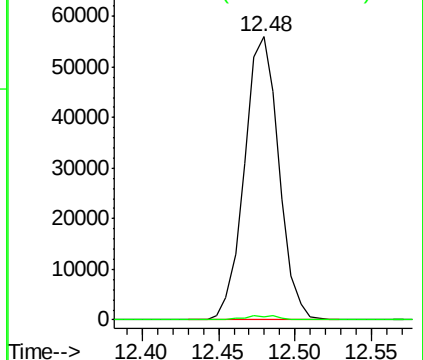
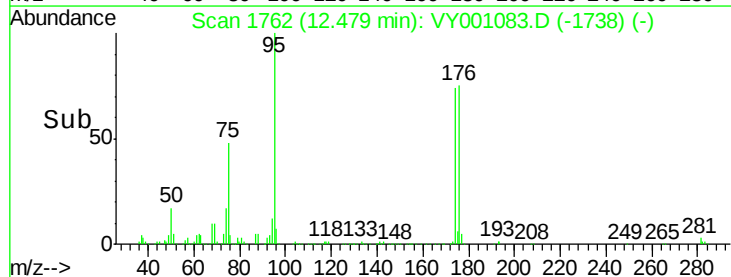
#76

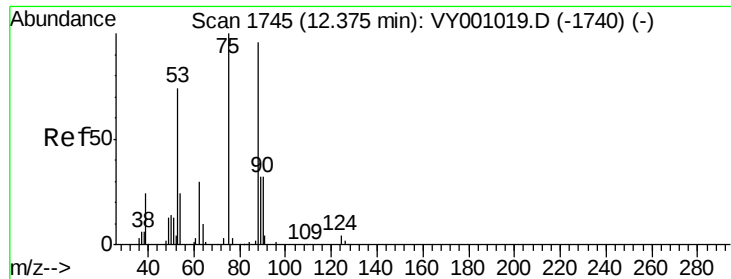
1,2,3-Trichloropropane
Concen: 39.257 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001083.D
Acq: 26 Dec 2019 19:16

Tgt Ion: 75 Resp: 87509
Ion Ratio Lower Upper
75 100
77 1.5 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: 83.725 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001083.D

Acq: 26 Dec 2019 19:16

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF004-01

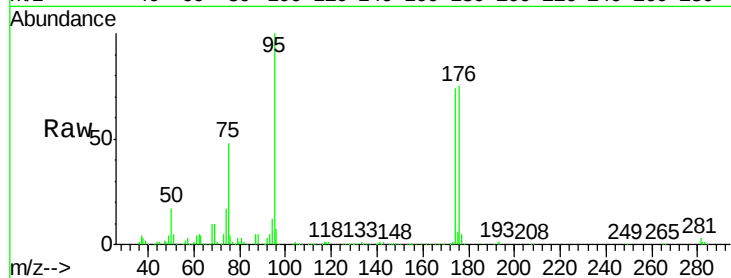
Tgt Ion: 75 Resp: 87509

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.1 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

