

Data File : VU035970.D
Acq On : 04 Dec 2019 14:30
Operator : JC/SP
Sample : K6055-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Dec 05 03:58:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 05 03:54:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	293449	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	319302	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	106259	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147571	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	125591	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.59	63	166185	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.70	46	287640	48.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.12%
24) Chloroform-d	5.11	84	223065	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.75	65	120022	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.77	84	424337	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.73	67	138574	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.93	98	345446	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	8.22	79	51485	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.68	63	211390	43.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.92%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	117410	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	109372	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	3183	0.092 ug/L	98
5) Vinyl chloride	1.62	62	3616	0.103 ug/L #	1
6) Bromomethane	1.87	94	2224	0.111 ug/L	85
8) Chloroethane	1.95	64	3261	0.150 ug/L #	64
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3254	0.144 ug/L #	52
12) 1,1-Dichloroethene	2.60	96	3409	0.162 ug/L #	1
13) Acetone	2.69	43	10488	1.958 ug/L	93
14) Carbon disulfide	2.82	76	6487	0.088 ug/L #	95
16) Methylene chloride	3.08	84	7857	0.241 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	1832	0.082 ug/L	94
25) Chloroform	5.14	83	8477	0.193 ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	2640	0.068 ug/L #	83
31) Carbon tetrachloride	5.57	117	2786	0.081 ug/L	89
38) Bromodichloromethane	7.15	83	2639	0.081 ug/L #	85
39) cis-1,3-Dichloropropene	7.65	75	2815	0.078 ug/L #	55
48) 2-Hexanone	8.68	43	24141	2.045 ug/L #	73
51) Chlorobenzene	9.48	112	6494	0.099 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 05 03:54:31 2019
Response via : Initial Calibration

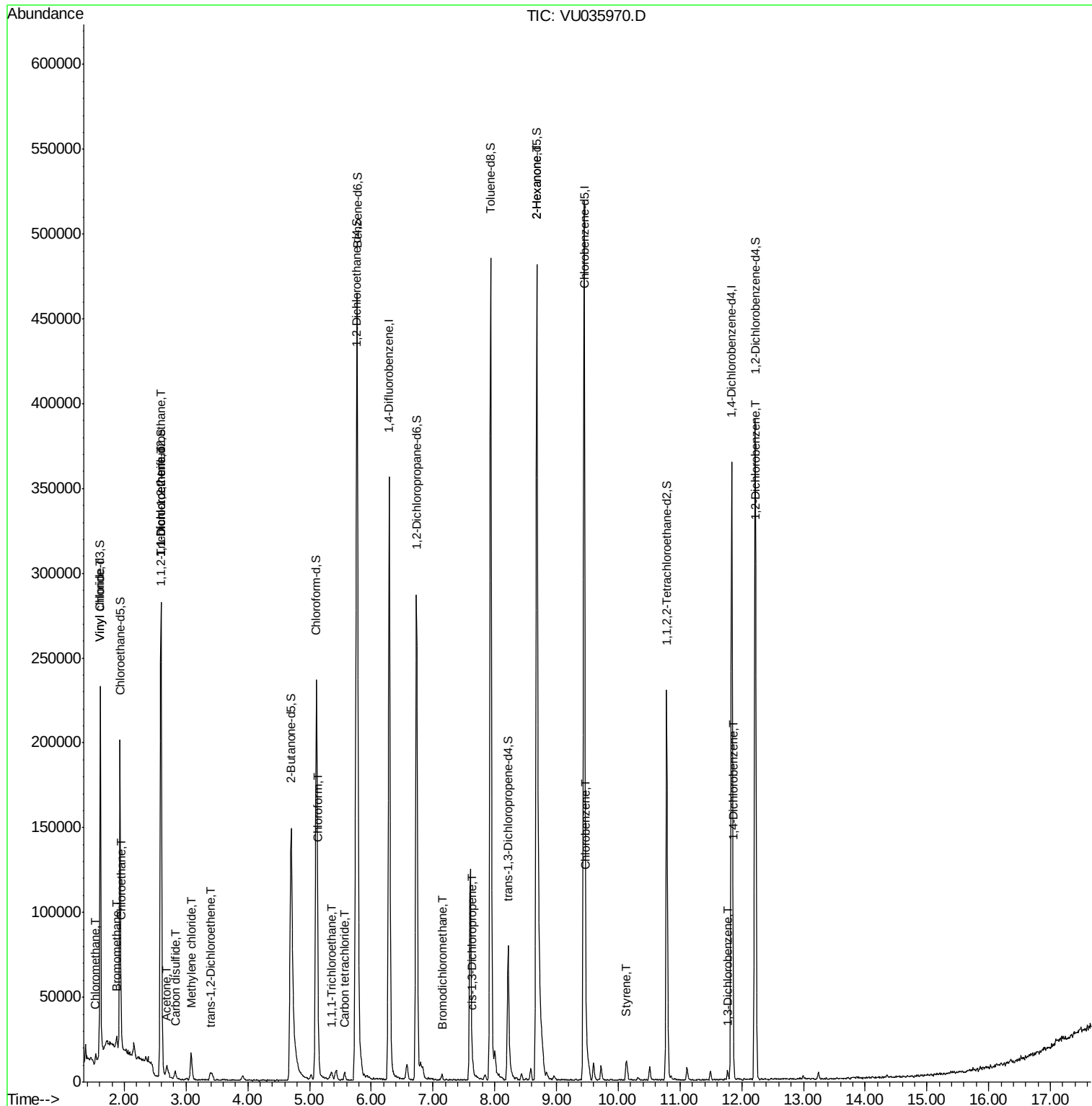
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.14	104	3867	0.061	ug/L	95
62) 1,3-Dichlorobenzene	11.77	146	2886	0.082	ug/L	86
63) 1,4-Dichlorobenzene	11.87	146	3618	0.103	ug/L #	76
65) 1,2-Dichlorobenzene	12.24	146	3076	0.091	ug/L #	76

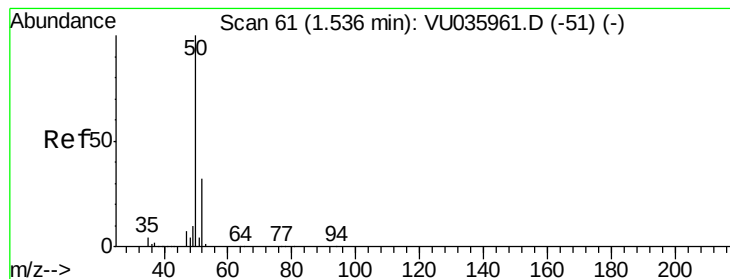
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

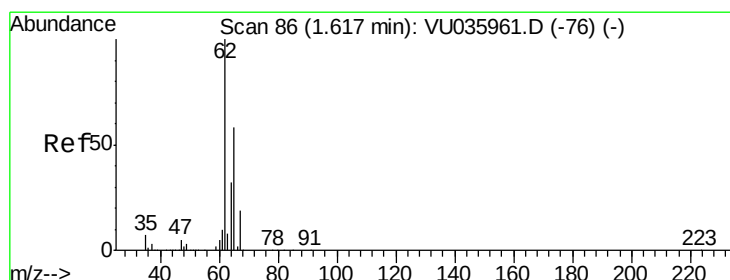
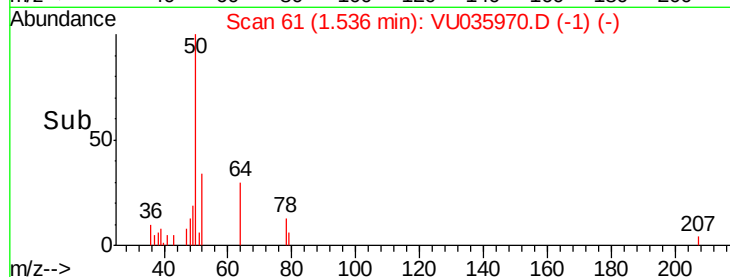
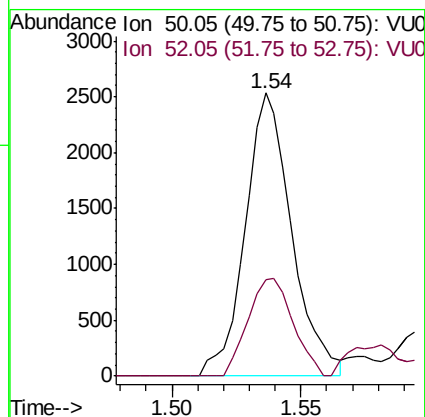
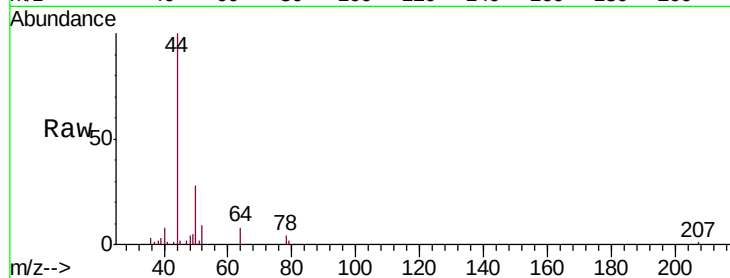
VHBLK01

Tgt Ion: 50 Resp: 3183

Ion Ratio Lower Upper

50 100

52 34.0 23.1 42.9



#5

Vinyl chloride

Concen: 0.103 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035970.D

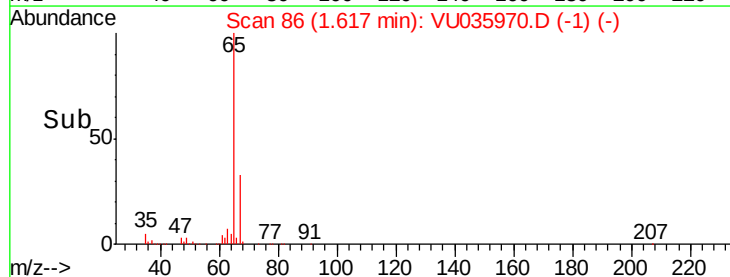
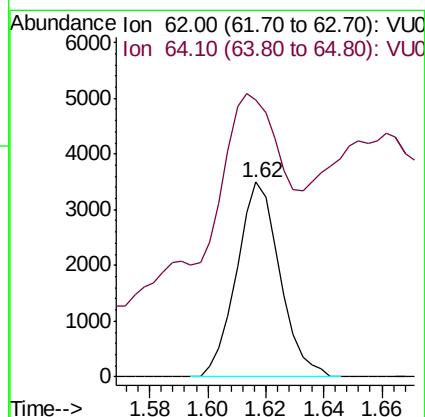
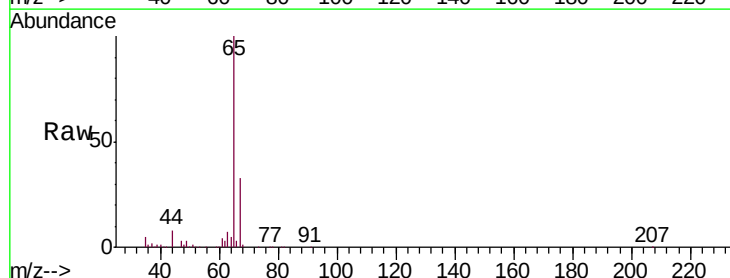
Acq: 04 Dec 2019 14:30

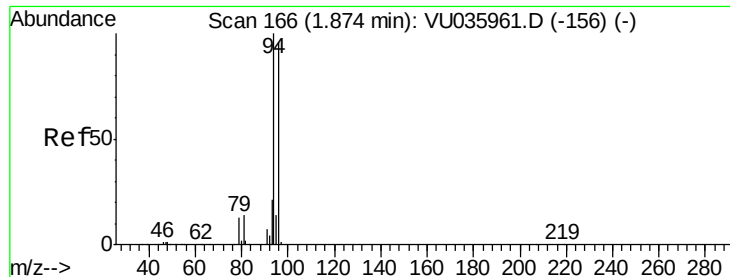
Tgt Ion: 62 Resp: 3616

Ion Ratio Lower Upper

62 100

64 141.8 23.0 42.6#





#6

Bromomethane

Concen: 0.111 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

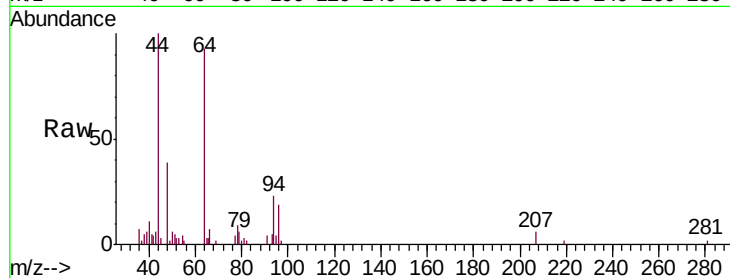
VHBLK01

Tgt Ion: 94 Resp: 2224

Ion Ratio Lower Upper

94 100

96 81.8 67.3 124.9

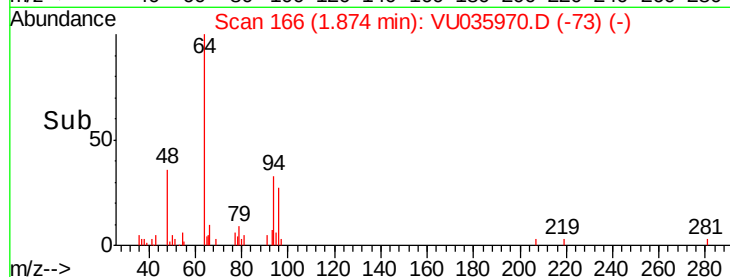


Abundance Ion 94.00 (93.70 to 94.70): VU035961.D (-156) (-)

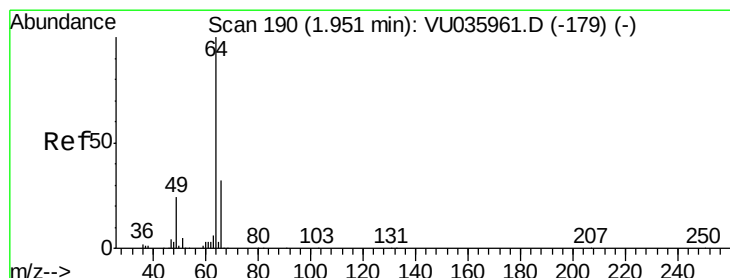
Ion 96.00 (95.70 to 96.70): VU035961.D (-156) (-)

Time-->

1.87



Time-->



#8

Chloroethane

Concen: 0.150 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035970.D

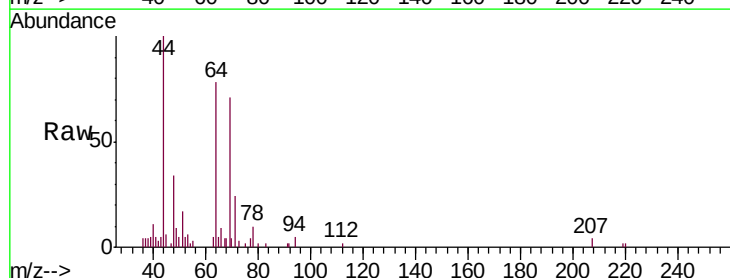
Acq: 04 Dec 2019 14:30

Tgt Ion: 64 Resp: 3261

Ion Ratio Lower Upper

64 100

66 11.7 22.0 40.8#

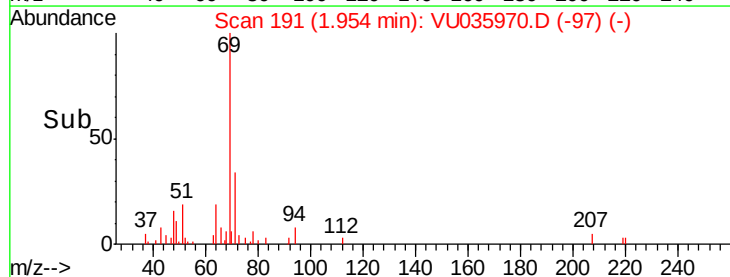


Abundance Ion 64.10 (63.80 to 64.80): VU035961.D (-179) (-)

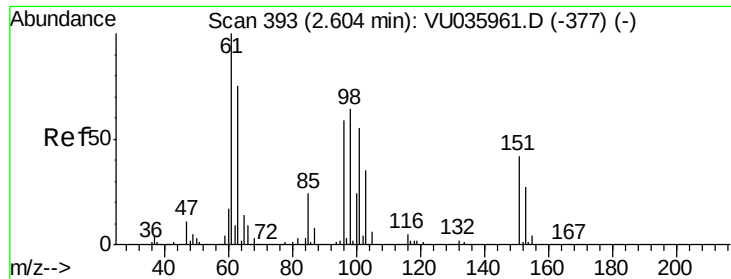
Ion 66.05 (65.75 to 66.75): VU035961.D (-179) (-)

Time-->

1.95



Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.144 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

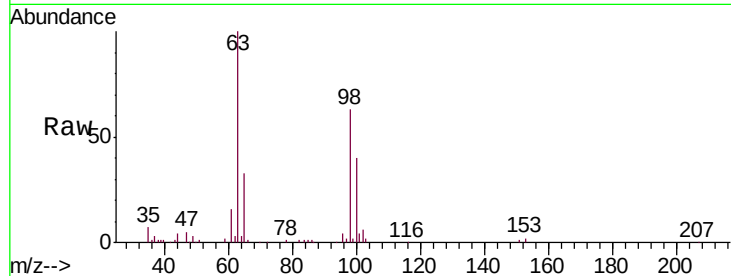
Tgt Ion: 101 Resp: 3254

Ion Ratio Lower Upper

101 100

85 27.2 35.5 53.3#

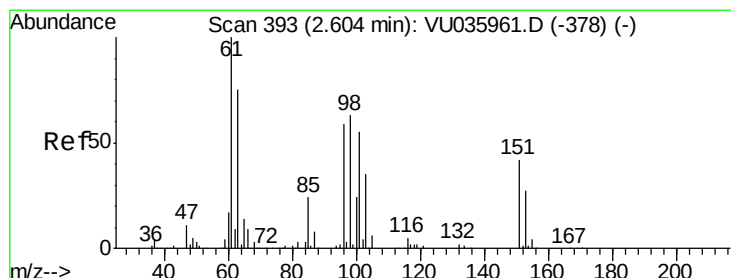
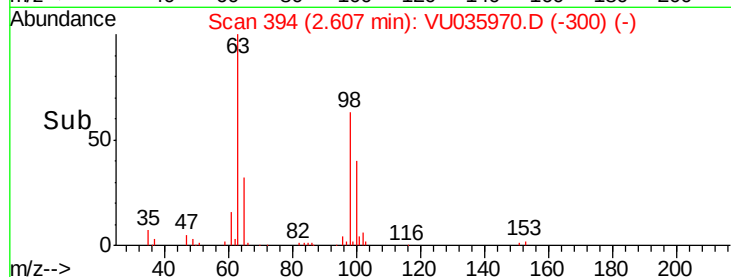
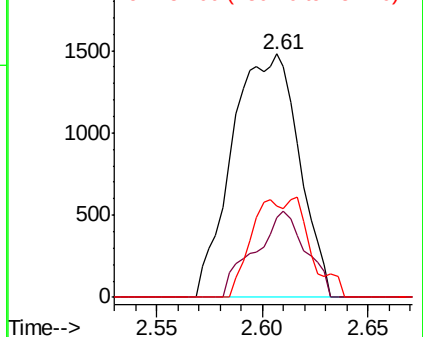
151 20.3 57.5 86.3#



Abundance Ion 101.00 (100.70 to 101.70): V

2000 Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.162 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

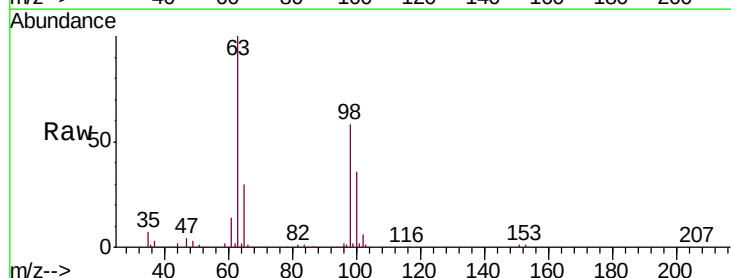
Tgt Ion: 96 Resp: 3409

Ion Ratio Lower Upper

96 100

61 616.4 127.1 236.1#

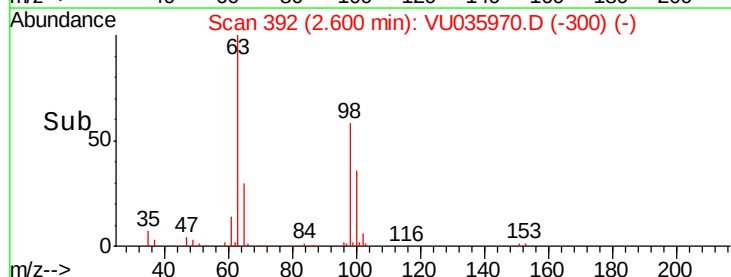
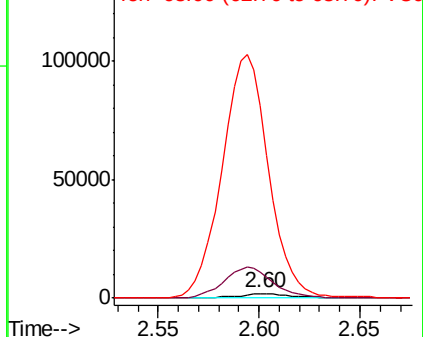
63 4537.4 86.0 159.8#

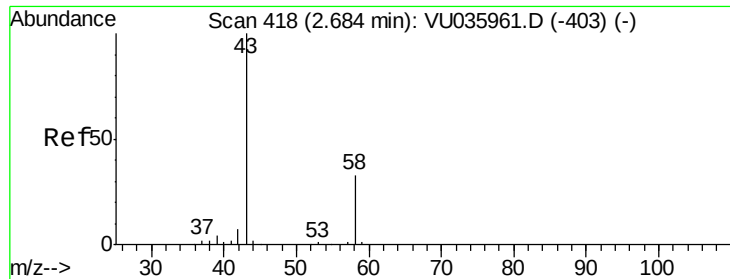


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.958 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

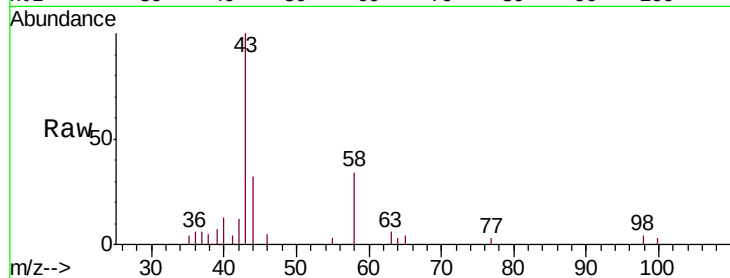
VHBLK01

Tgt Ion: 43 Resp: 10488

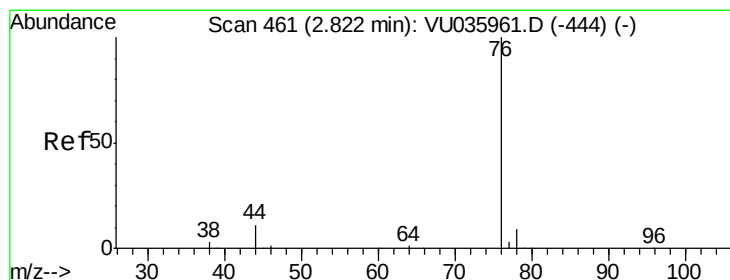
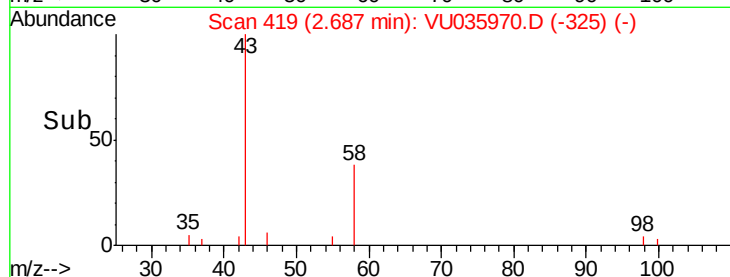
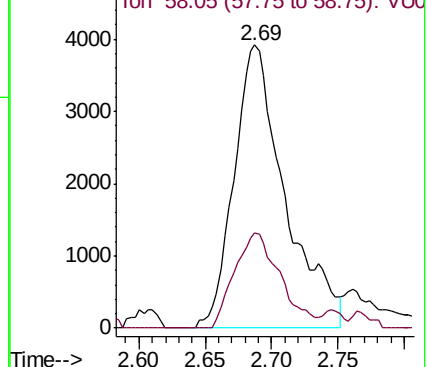
Ion Ratio Lower Upper

43 100

58 30.3 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035970.D (-325) (-)



#14

Carbon disulfide

Concen: 0.088 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035970.D

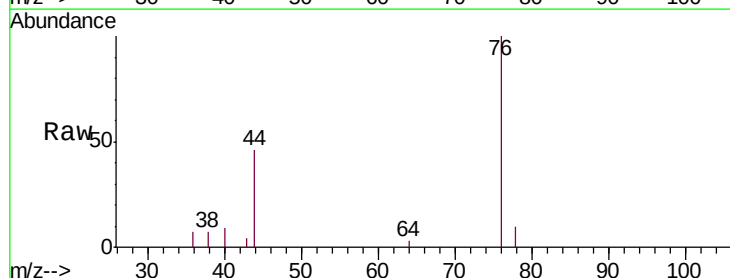
Acq: 04 Dec 2019 14:30

Tgt Ion: 76 Resp: 6487

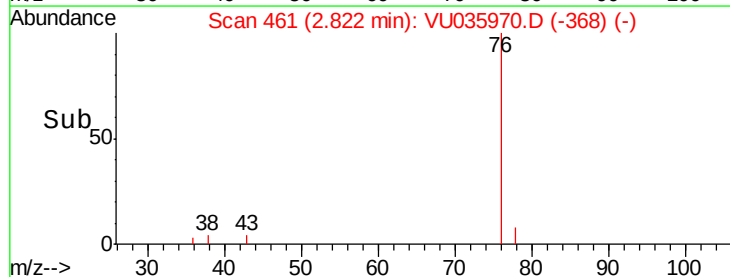
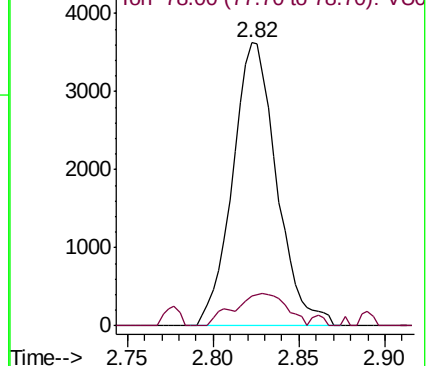
Ion Ratio Lower Upper

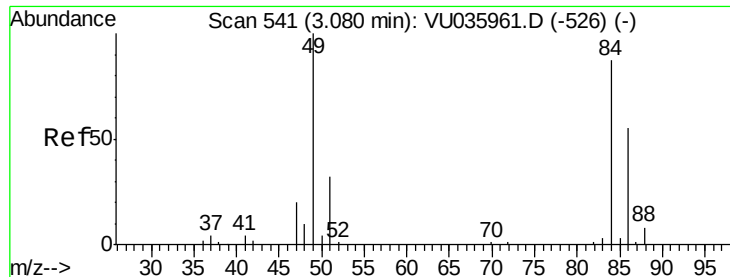
76 100

78 10.4 6.9 10.3#



Abundance Ion 76.05 (75.75 to 76.75): VU035970.D (-368) (-)

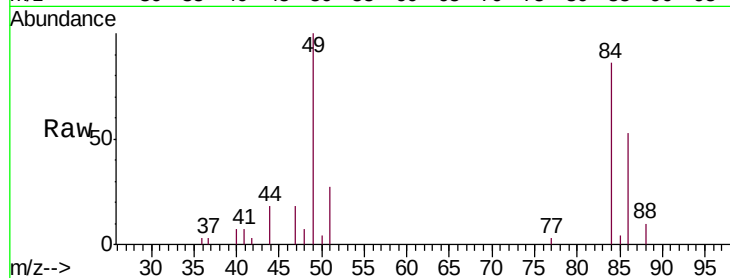




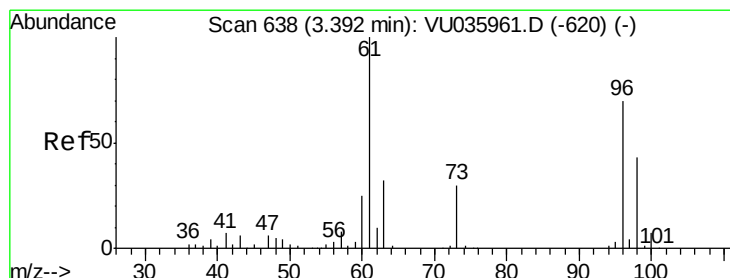
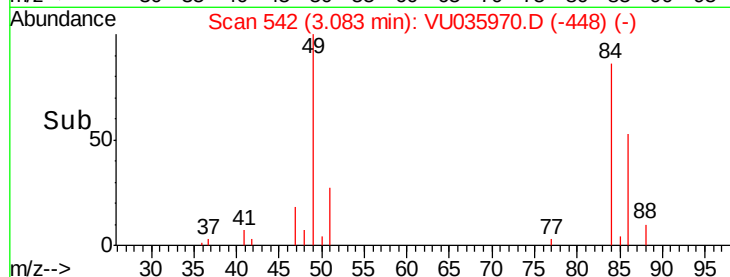
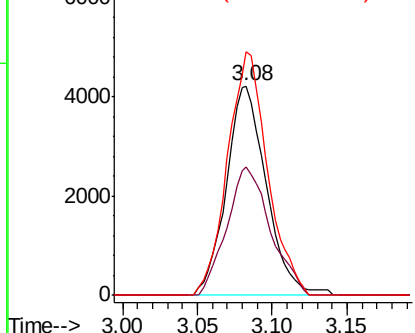
#16
Methylene chloride
Concen: 0.241 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035970.D
Acq: 04 Dec 2019 14:30

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tgt Ion: 84 Resp: 7857
Ion Ratio Lower Upper
84 100
86 61.6 44.7 82.9
49 116.3 86.2 160.2

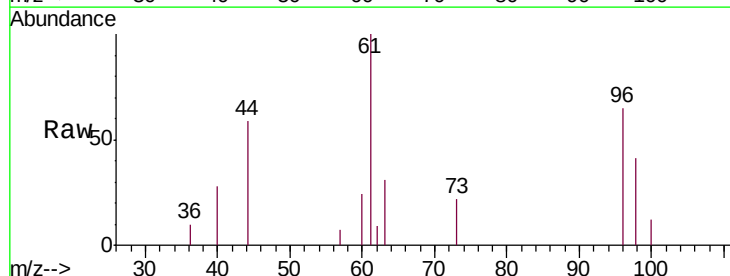


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

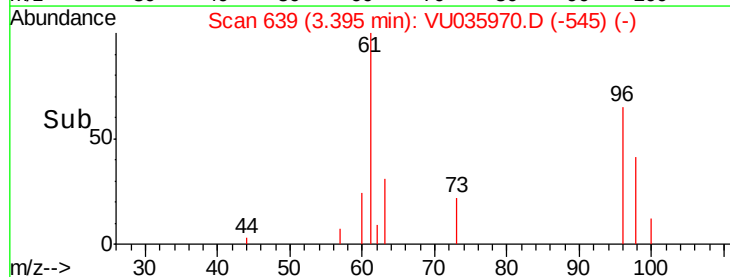
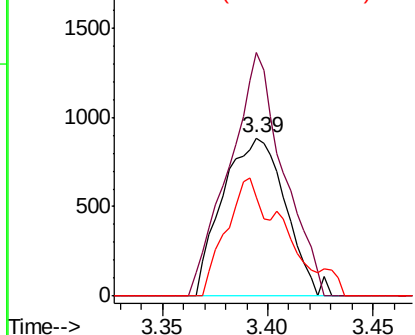


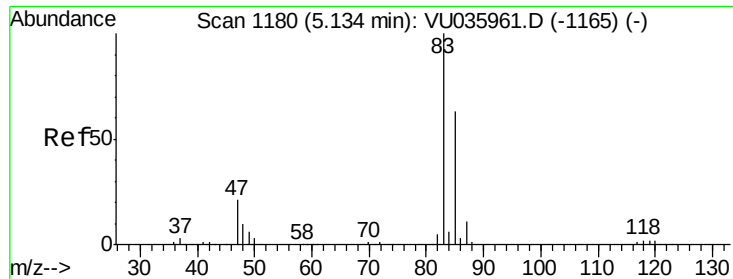
#18
trans-1,2-Dichloroethene
Concen: 0.082 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035970.D
Acq: 04 Dec 2019 14:30

Tgt Ion: 96 Resp: 1832
Ion Ratio Lower Upper
96 100
61 154.1 101.2 187.8
98 63.0 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

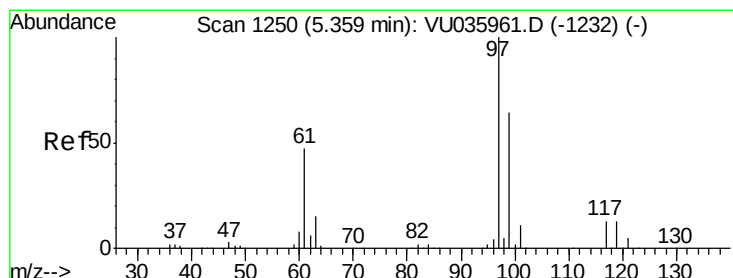
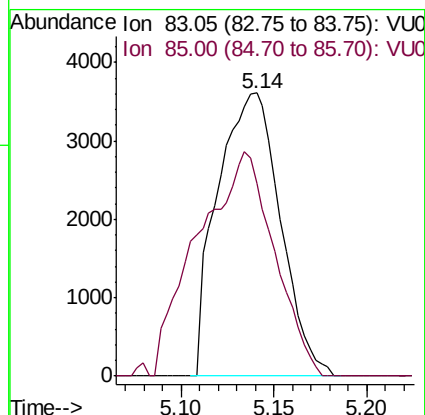
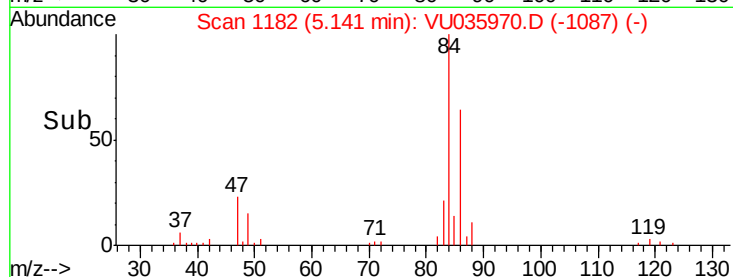
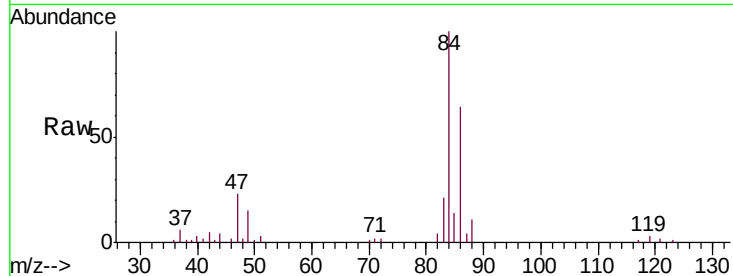




#25
Chloroform
Concen: 0.193 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VU035970.D
Acq: 04 Dec 2019 14:30

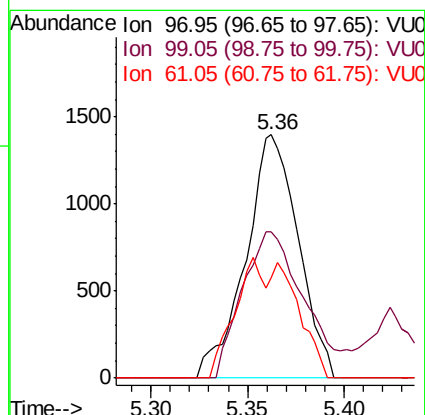
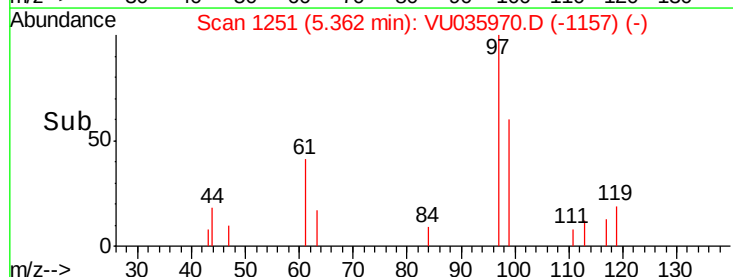
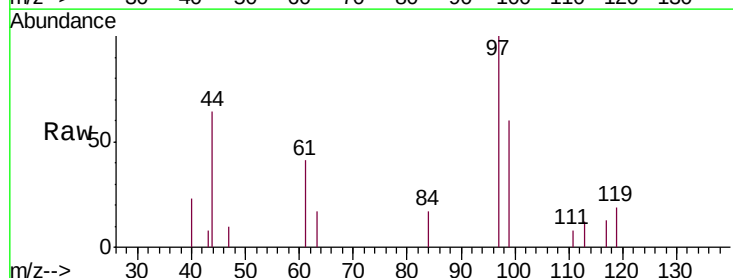
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

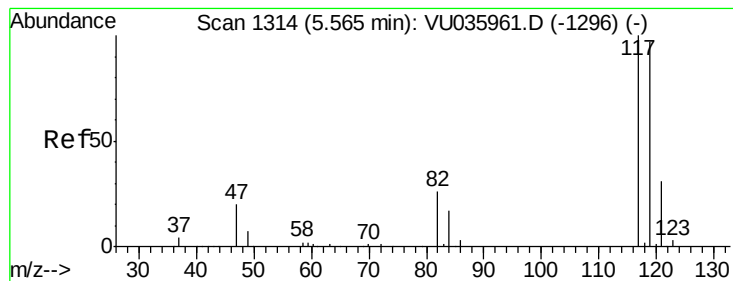
Tgt Ion: 83 Resp: 8477
Ion Ratio Lower Upper
83 100
85 67.8 45.4 84.2



#29
1,1,1-Trichloroethane
Concen: 0.068 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035970.D
Acq: 04 Dec 2019 14:30

Tgt Ion: 97 Resp: 2640
Ion Ratio Lower Upper
97 100
99 70.2 51.8 77.8
61 26.9 37.6 56.4#





#31

Carbon tetrachloride

Concen: 0.081 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

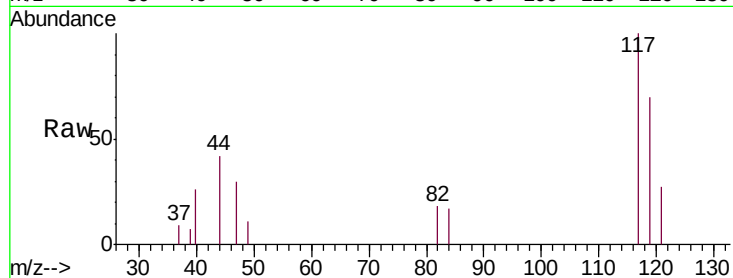
VHBLK01

Tgt Ion: 117 Resp: 2786

Ion Ratio Lower Upper

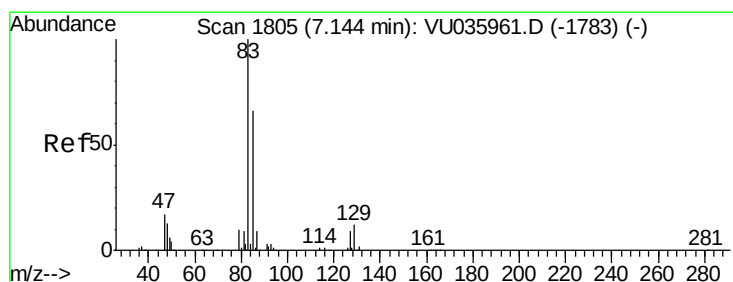
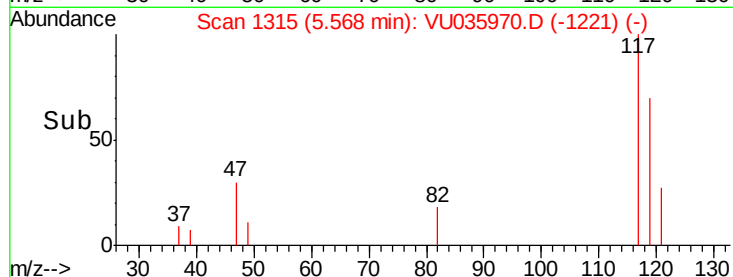
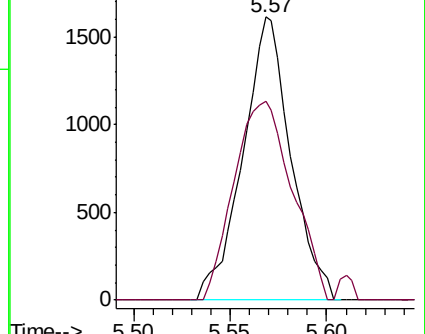
117 100

119 85.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#38

Bromodichloromethane

Concen: 0.081 ug/L

RT: 7.15 min Scan# 1807

Delta R.T. 0.01 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

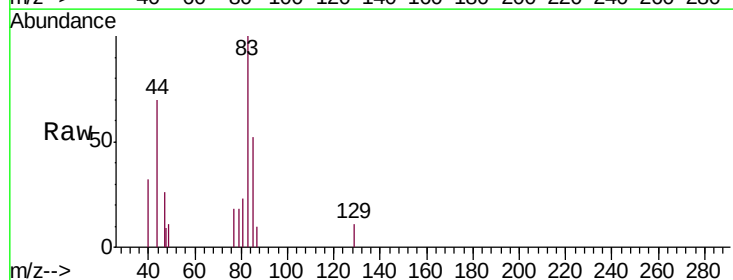
Tgt Ion: 83 Resp: 2639

Ion Ratio Lower Upper

83 100

85 51.8 44.0 81.8

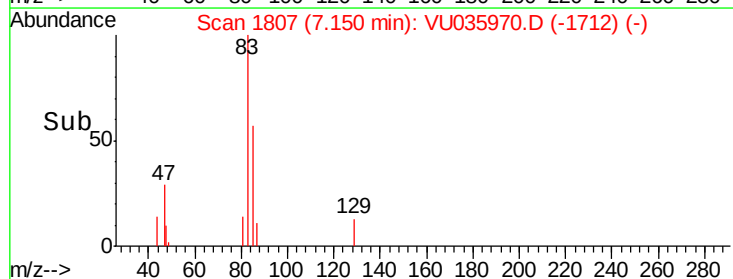
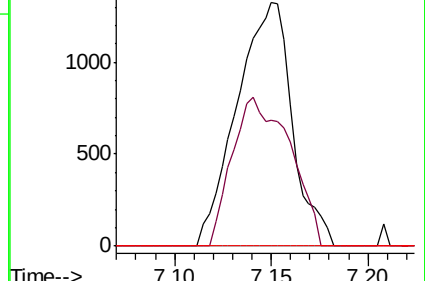
127 0.0 6.5 9.7#

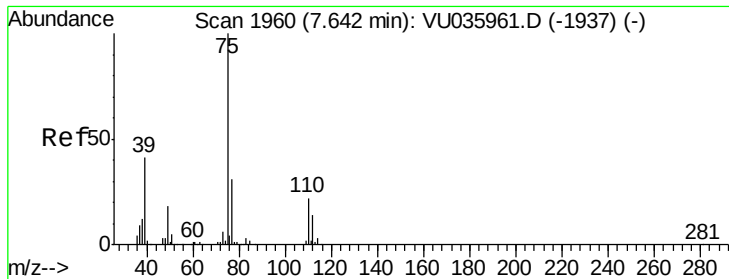


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

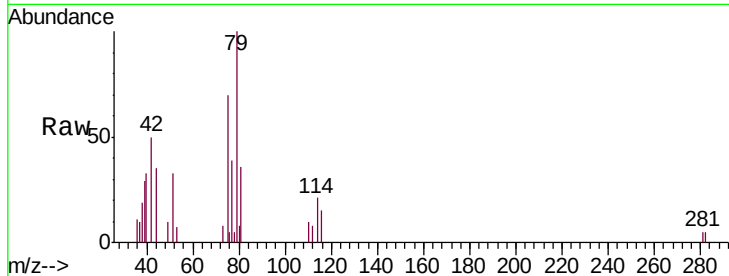
VHBLK01

Tgt Ion: 75 Resp: 2815

Ion Ratio Lower Upper

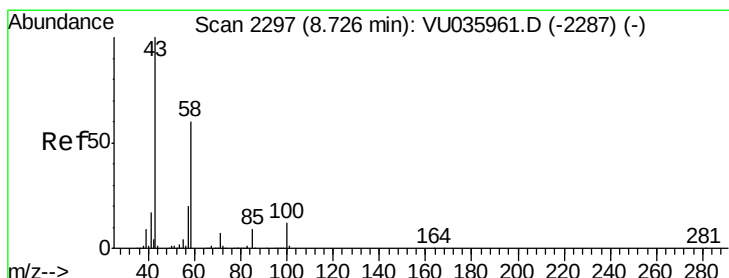
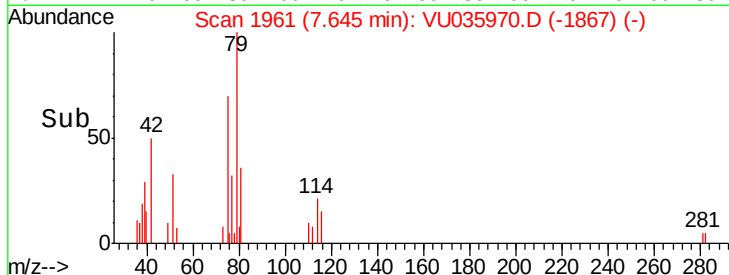
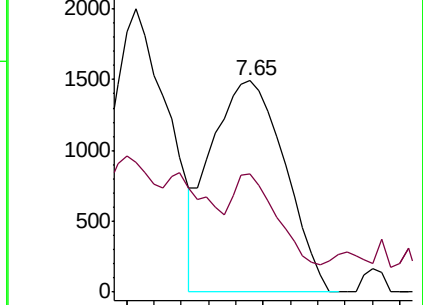
75 100

77 56.1 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VU035961.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU035961.D (-1937) (-)



#48

2-Hexanone

Concen: 2.045 ug/L

RT: 8.68 min Scan# 2283

Delta R.T. -0.05 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Tgt Ion: 43 Resp: 24141

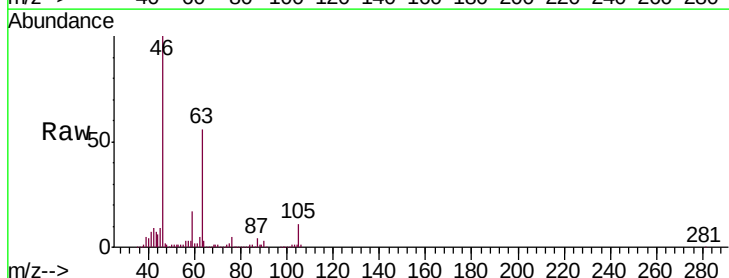
Ion Ratio Lower Upper

43 100

58 40.5 45.4 68.2#

57 39.9 14.9 22.3#

100 4.0 8.6 13.0#

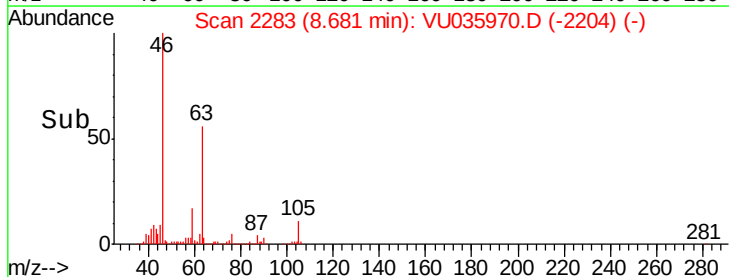
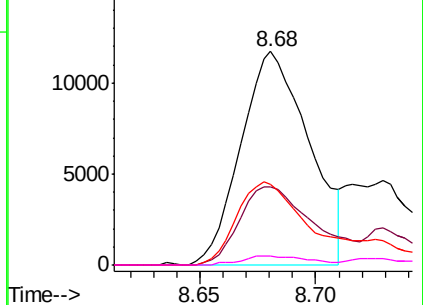


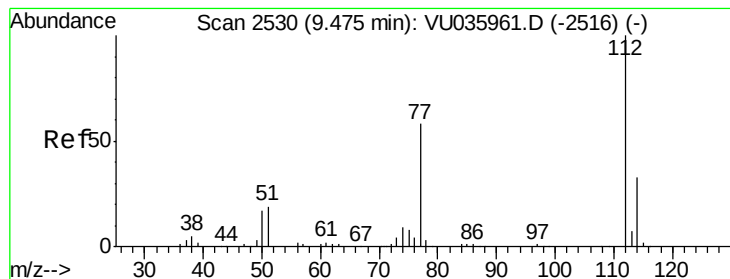
Abundance Ion 43.05 (42.75 to 43.75): VU035961.D (-2287) (-)

Ion 58.05 (57.75 to 58.75): VU035961.D (-2287) (-)

Ion 57.20 (56.90 to 57.90): VU035961.D (-2287) (-)

Ion 100.15 (99.85 to 100.85): VU035961.D (-2287) (-)





#51

Chlorobenzene

Concen: 0.099 ug/L

RT: 9.48 min Scan# 2532

Delta R.T. 0.01 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

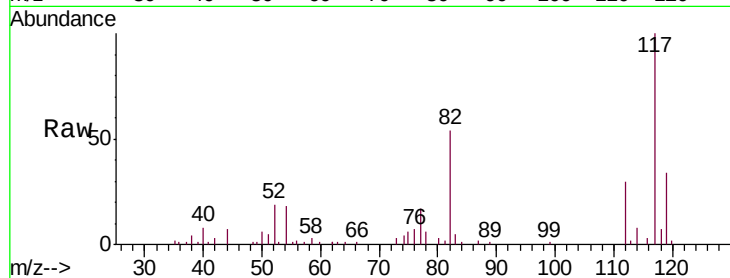
Tgt Ion:112 Resp: 6494

Ion Ratio Lower Upper

112 100

114 26.6 22.5 41.7

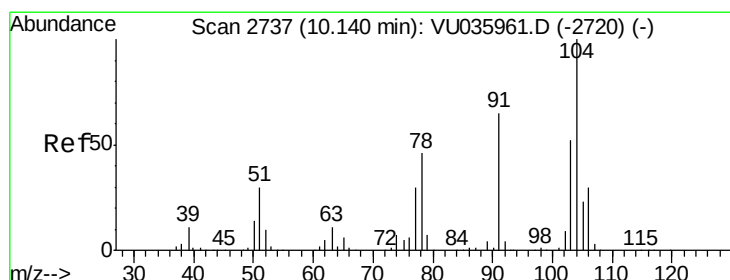
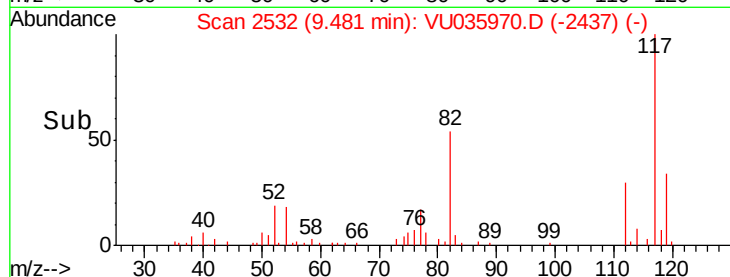
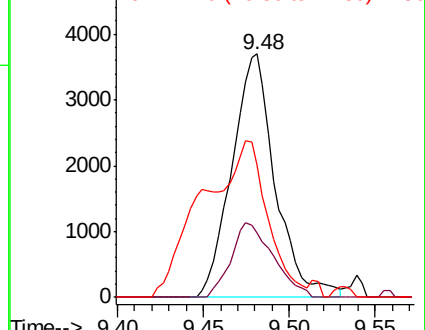
77 54.5 47.7 71.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#55

Styrene

Concen: 0.061 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU035970.D

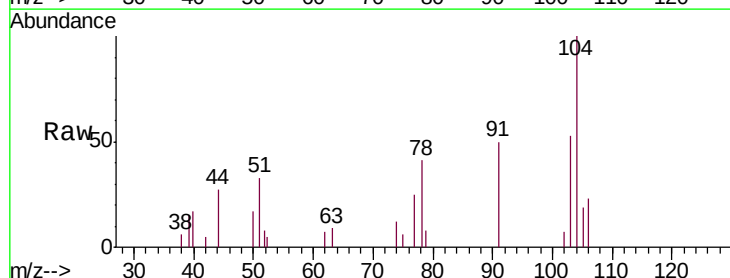
Acq: 04 Dec 2019 14:30

Tgt Ion:104 Resp: 3867

Ion Ratio Lower Upper

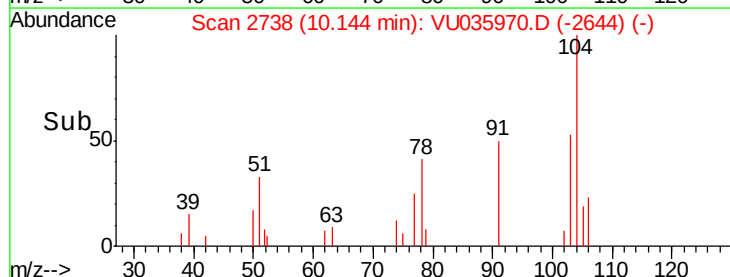
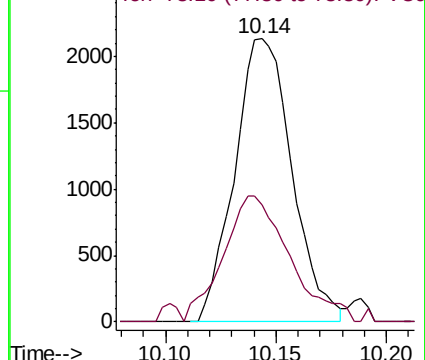
104 100

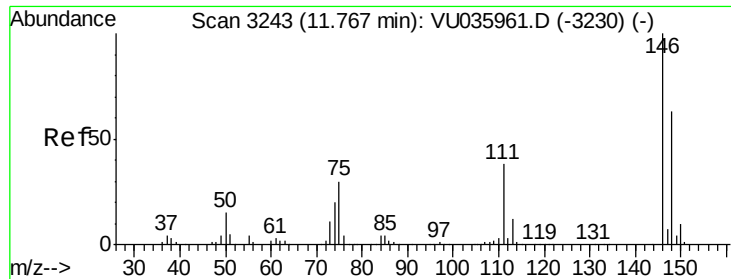
78 41.1 31.2 58.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#62

1,3-Dichlorobenzene

Concen: 0.082 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampled :

VHBLK01

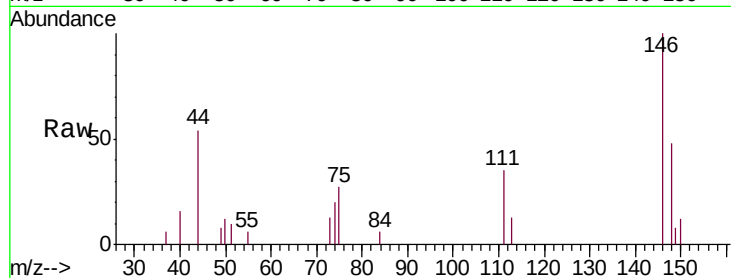
Tgt Ion:146 Resp: 2886

Ion Ratio Lower Upper

146 100

111 35.2 27.6 51.4

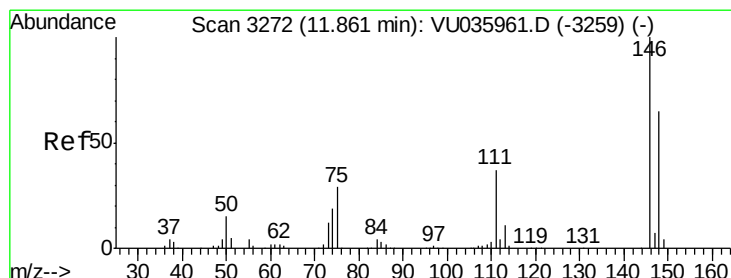
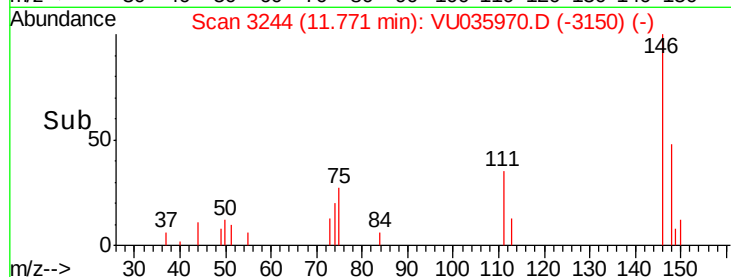
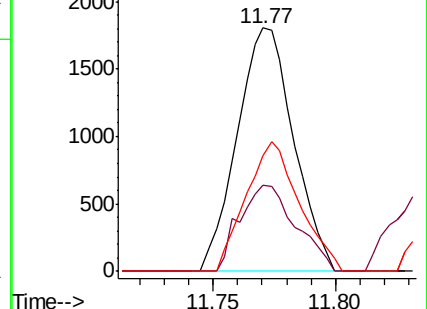
148 47.6 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.103 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.01 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

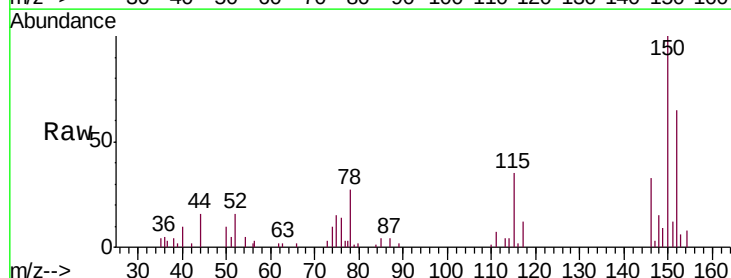
Tgt Ion:146 Resp: 3618

Ion Ratio Lower Upper

146 100

111 22.3 28.5 52.9#

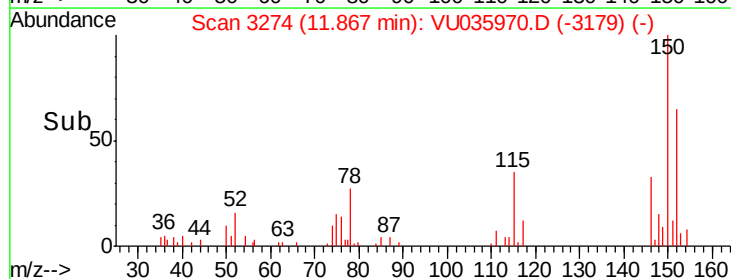
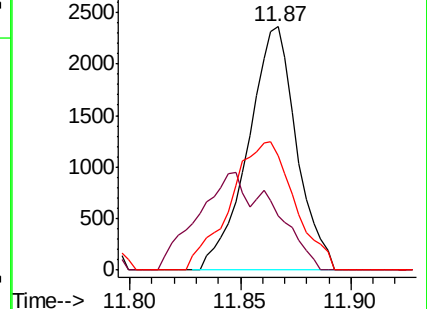
148 47.1 44.4 82.5

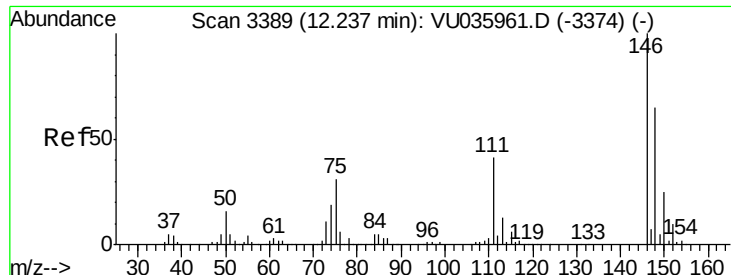


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

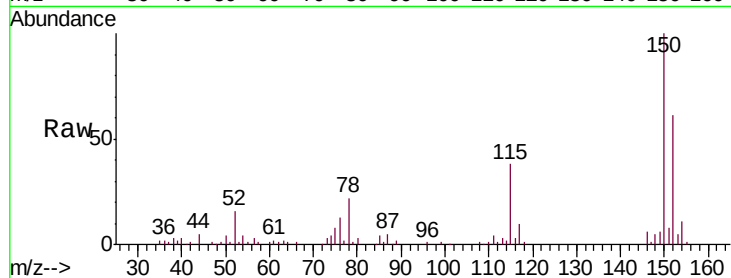




#65
 1,2-Dichlorobenzene
 Concen: 0.091 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035970.D
 Acq: 04 Dec 2019 14:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.4	32.6	48.8#
148	79.1	50.9	76.3#



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

