

Data File : VU036026.D
Acq On : 06 Dec 2019 16:27
Operator : JC/SP
Sample : K6167-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFQX7

Quant Time: Dec 06 22:36:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	286264	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	293958	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	80861	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	135524	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	137893	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.59	63	154447	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.68	46	217318	37.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.22%
24) Chloroform-d	5.11	84	201584	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.75	65	106799	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.77	84	414697	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.73	67	128609	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.93	98	352783	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.21	79	47547	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.67	63	176643	39.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.90%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100087	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	88495	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	3891	0.115 ug/L	97
6) Bromomethane	1.87	94	2527	0.129 ug/L	96
12) 1,1-Dichloroethene	2.59	96	1295	0.063 ug/L #	1
13) Acetone	2.66	43	124281	23.789 ug/L	99
15) Methyl Acetate	2.99	43	4636	0.495 ug/L	94
16) Methylene chloride	3.08	84	6597	0.208 ug/L	87
21) 2-Butanone	4.77	43	34401	5.129 ug/L	90
25) Chloroform	5.14	83	8842	0.206 ug/L	98
35) Methylcyclohexane	6.73	83	30050	0.857 ug/L #	17
37) 1,2-Dichloropropane	6.73	63	13447	0.537 ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	3590	0.108 ug/L #	67
40) 4-Methyl-2-pentanone	7.84	43	26435	1.797 ug/L #	88
42) Toluene	8.00	91	13008	0.135 ug/L	89
59) 1,2,3-Trichloropropane	11.84	75	9151	0.562 ug/L	92
69) Naphthalene	14.11	128	1712	0.153 ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration

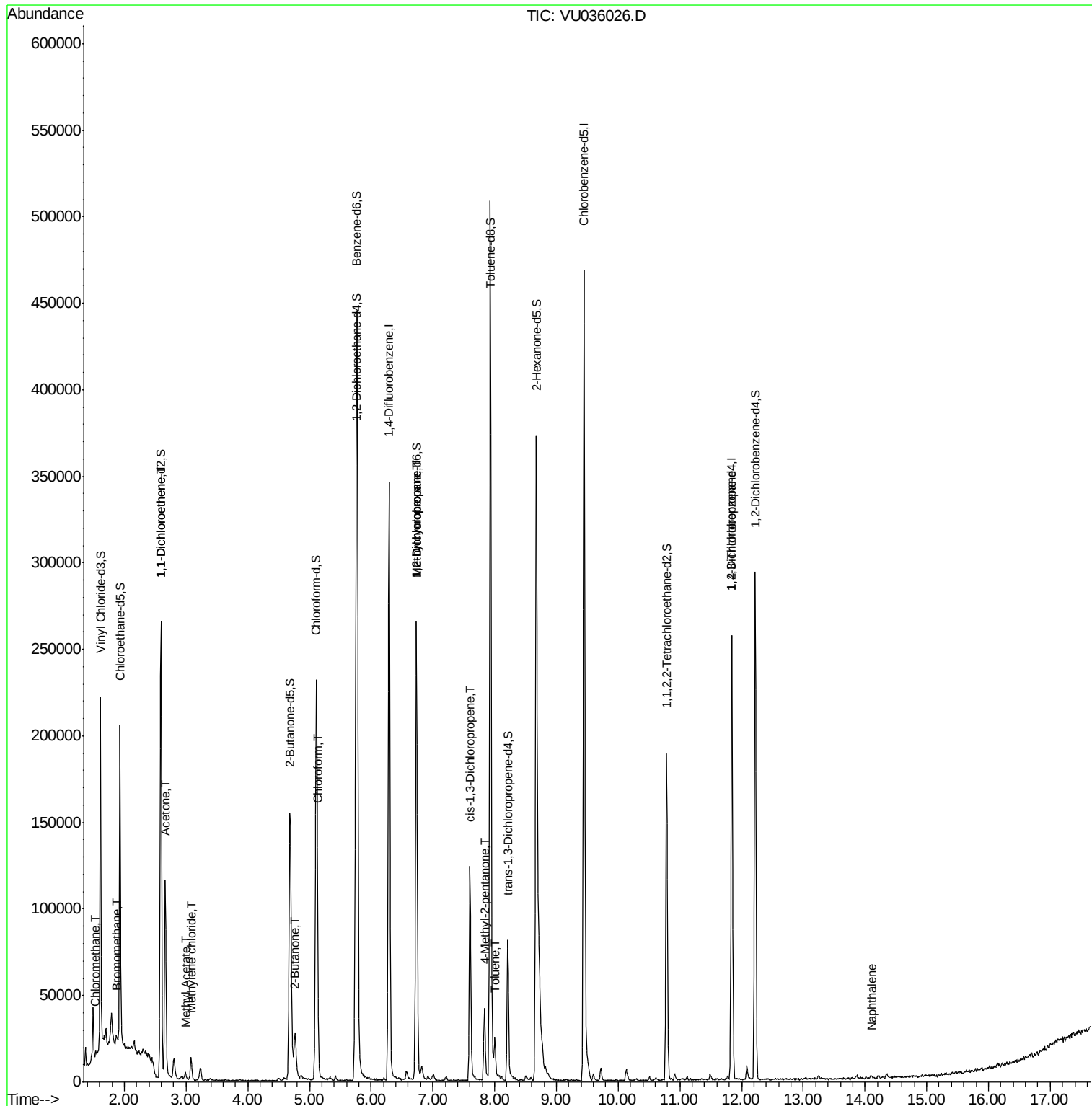
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

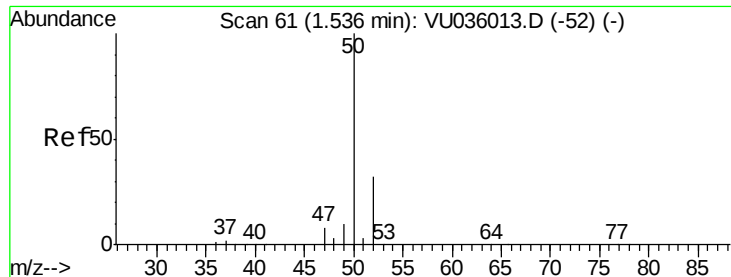
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.115 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036026.D

Acq: 06 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

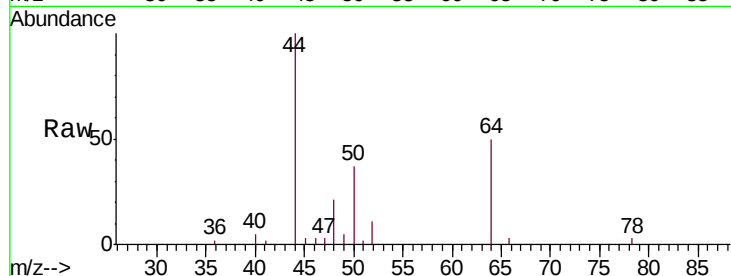
BFQX7

Tgt Ion: 50 Resp: 3891

Ion Ratio Lower Upper

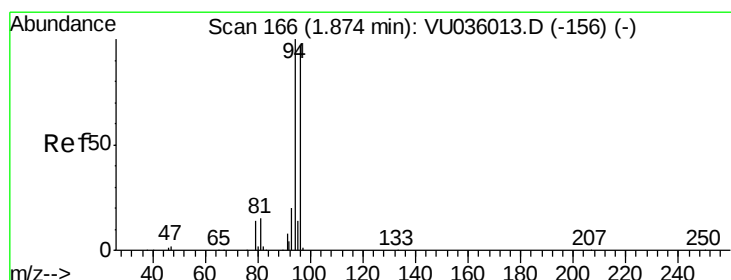
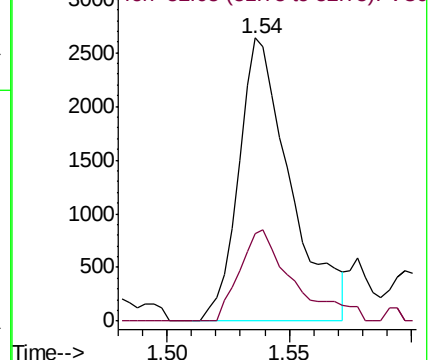
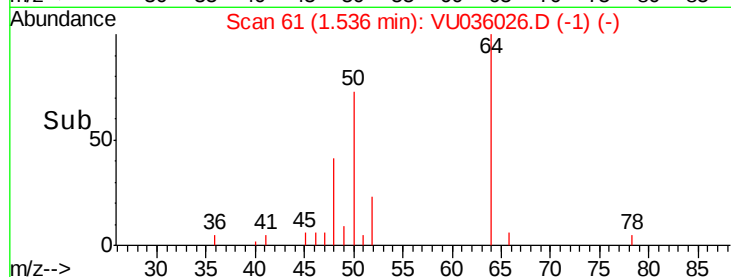
50 100

52 31.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036026.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036026.D (-1) (-)



#6

Bromomethane

Concen: 0.129 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036026.D

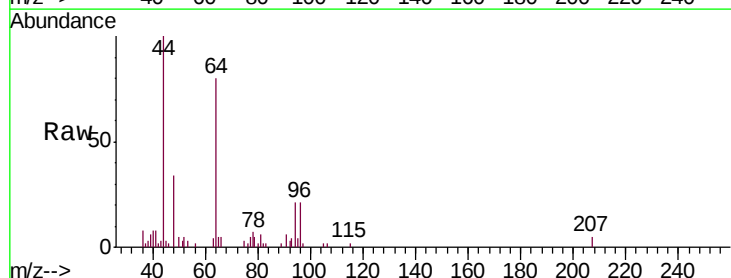
Acq: 06 Dec 2019 16:27

Tgt Ion: 94 Resp: 2527

Ion Ratio Lower Upper

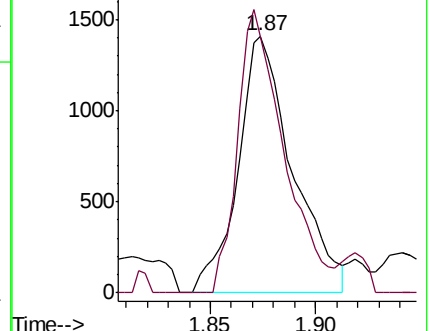
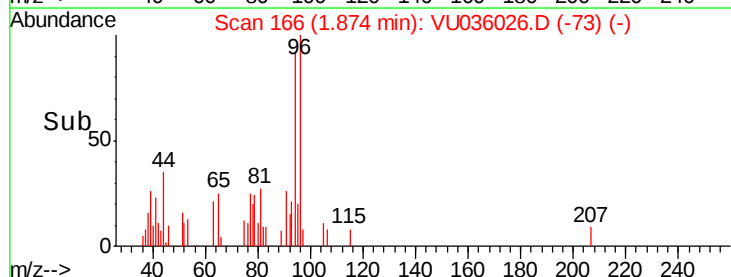
94 100

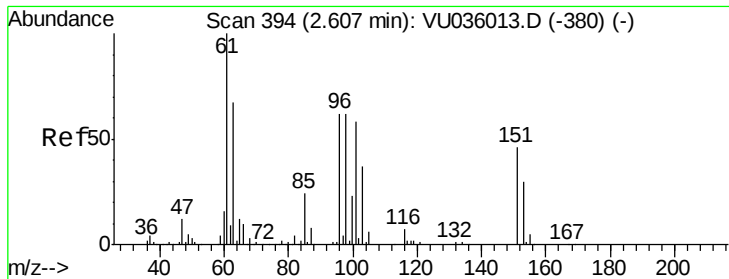
96 99.9 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU036026.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU036026.D (-73) (-)





#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036026.D

Acq: 06 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

BFQX7

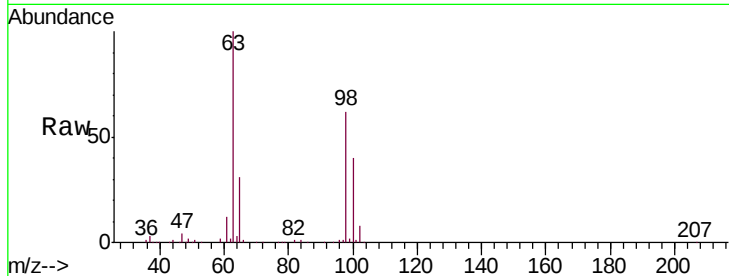
Tgt Ion: 96 Resp: 1295

Ion Ratio Lower Upper

96 100

61 1396.3 127.1 236.1#

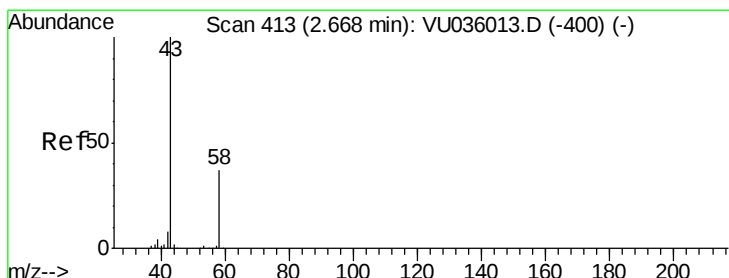
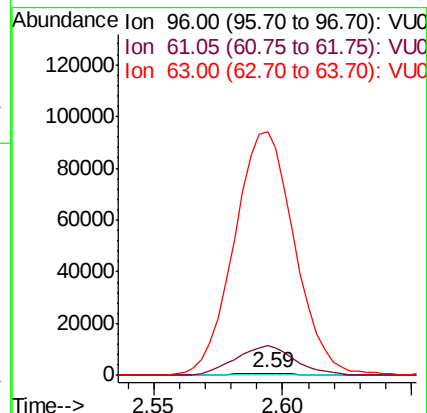
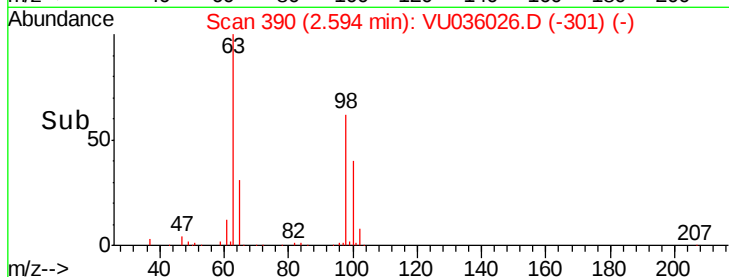
63 11582.3 86.0 159.8#



Abundance Ion 96.00 (95.70 to 96.70): VU036013.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU036013.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU036013.D (-380) (-)



#13

Acetone

Concen: 23.789 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036026.D

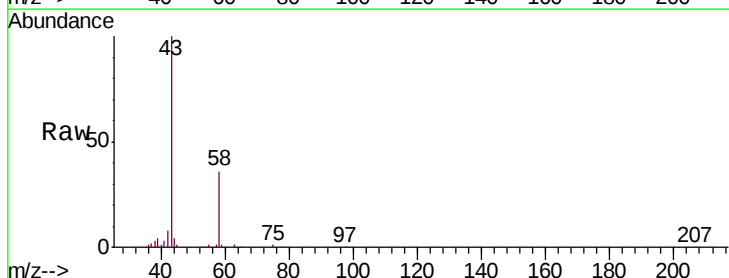
Acq: 06 Dec 2019 16:27

Tgt Ion: 43 Resp: 124281

Ion Ratio Lower Upper

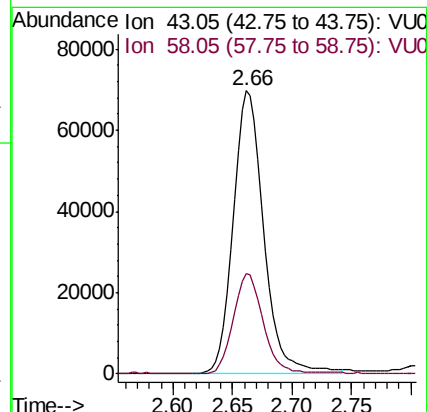
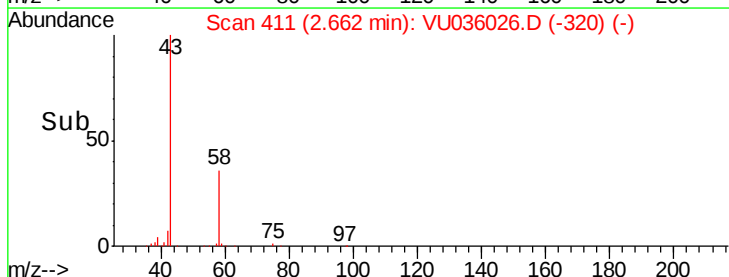
43 100

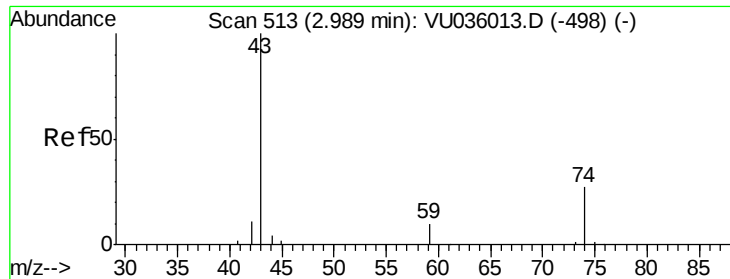
58 35.1 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU036013.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036013.D (-400) (-)

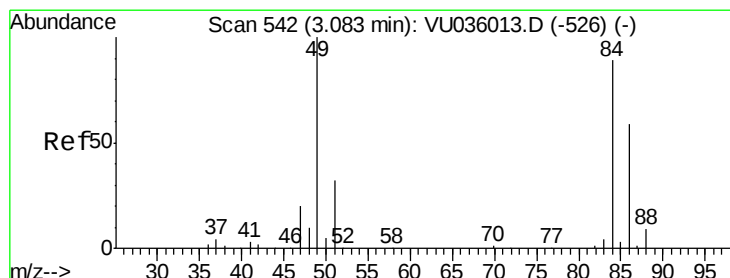
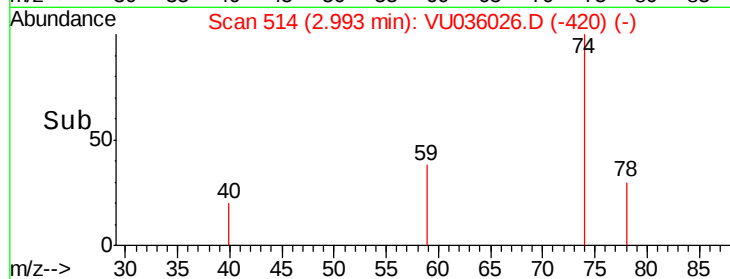
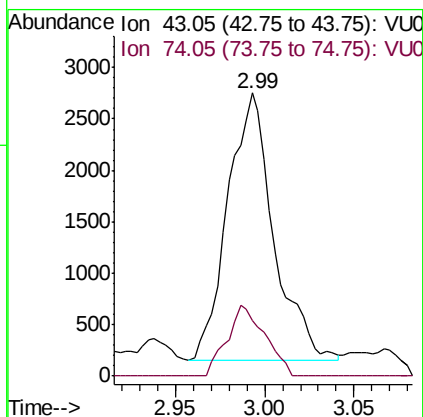
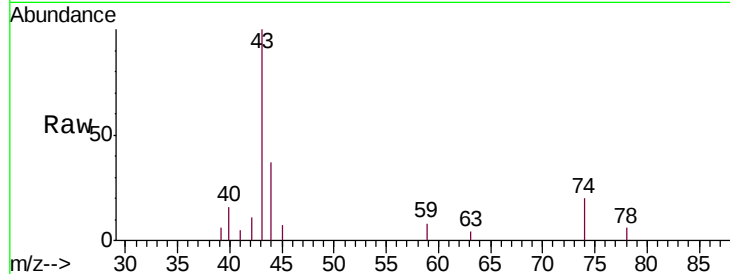




#15
Methyl Acetate
Concen: 0.495 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU036026.D
Acq: 06 Dec 2019 16:27

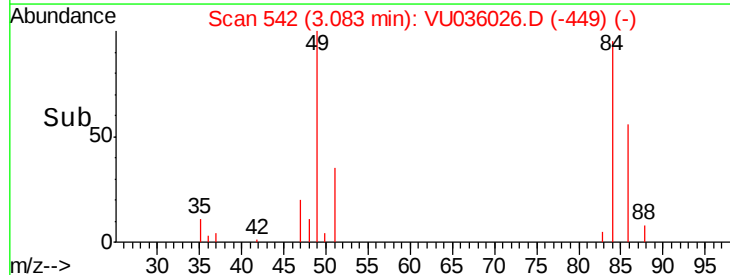
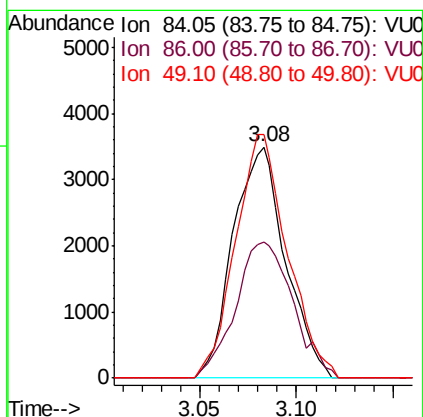
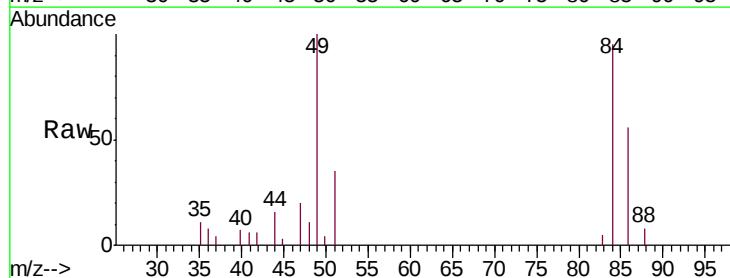
Instrument :
MSVOA_U
ClientSampleId :
BFQX7

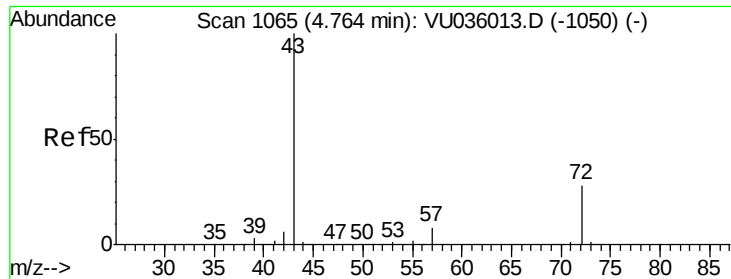
Tgt Ion: 43 Resp: 4636
Ion Ratio Lower Upper
43 100
74 21.9 20.0 30.0



#16
Methylene chloride
Concen: 0.208 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036026.D
Acq: 06 Dec 2019 16:27

Tgt Ion: 84 Resp: 6597
Ion Ratio Lower Upper
84 100
86 58.8 44.7 82.9
49 105.2 86.2 160.2





#21

2-Butanone

Concen: 5.129 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VU036026.D

Acq: 06 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

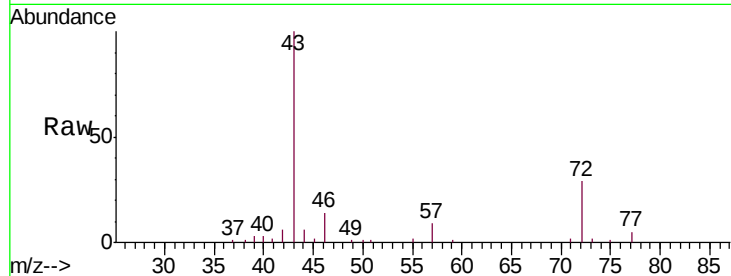
BFQX7

Tgt Ion: 43 Resp: 34401

Ion Ratio Lower Upper

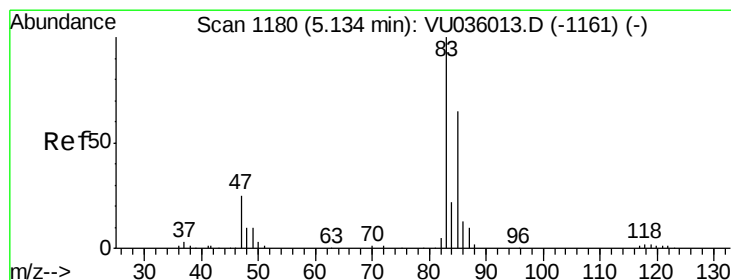
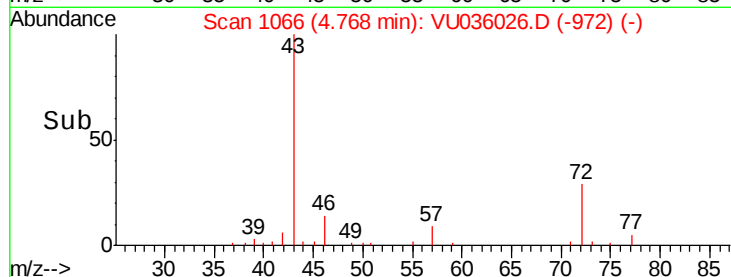
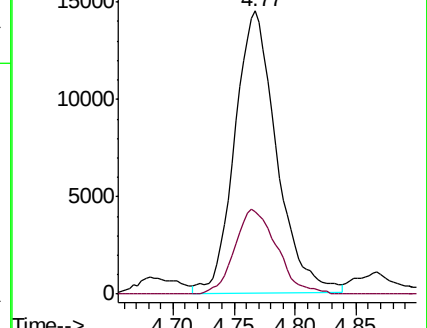
43 100

72 30.4 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU036013.D (-1050) (-)

Ion 72.10 (71.80 to 72.80): VU036013.D (-1050) (-)



#25

Chloroform

Concen: 0.206 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036026.D

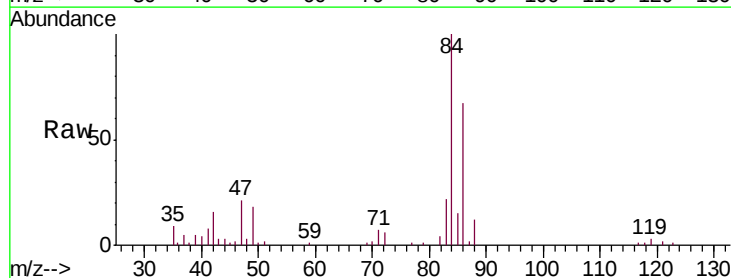
Acq: 06 Dec 2019 16:27

Tgt Ion: 83 Resp: 8842

Ion Ratio Lower Upper

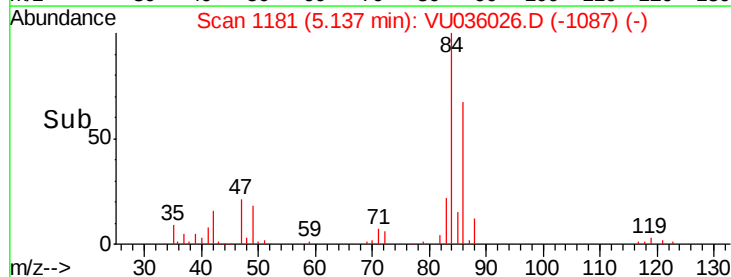
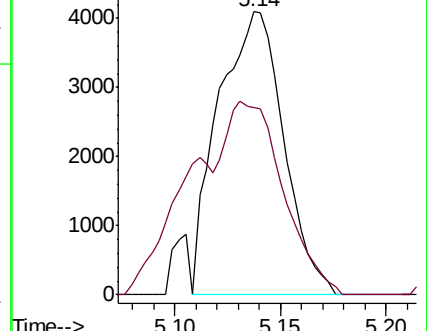
83 100

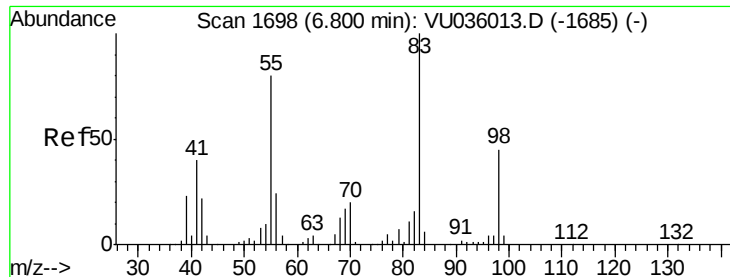
85 66.2 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU036013.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU036013.D (-1161) (-)





#35

Methylcyclohexane

Concen: 0.857 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036026.D

Acq: 06 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

BFQX7

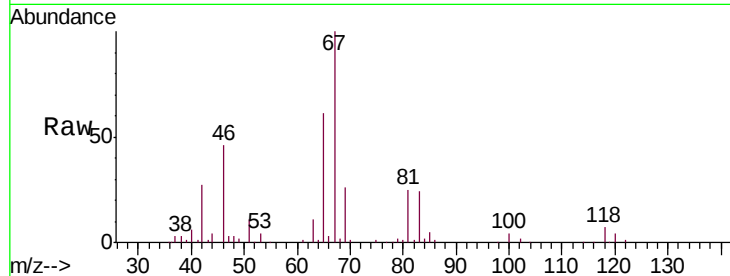
Tgt Ion: 83 Resp: 30050

Ion Ratio Lower Upper

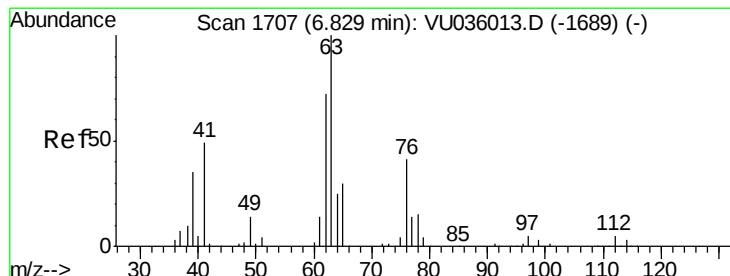
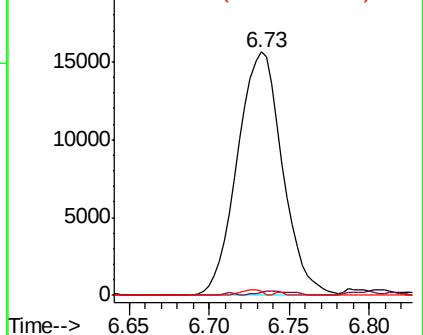
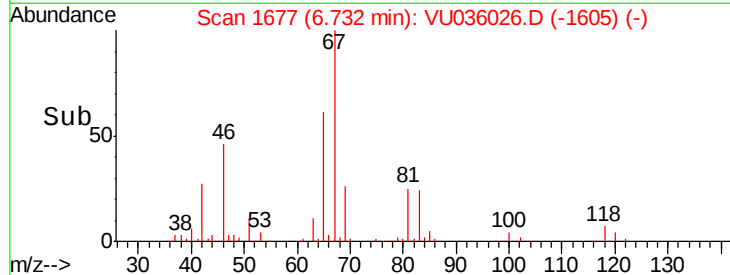
83 100

55 1.4 67.4 101.0#

98 0.2 34.6 52.0#



Abundance Ion 83.15 (82.85 to 83.85): VU036026.D (-1605) (-)



#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036026.D

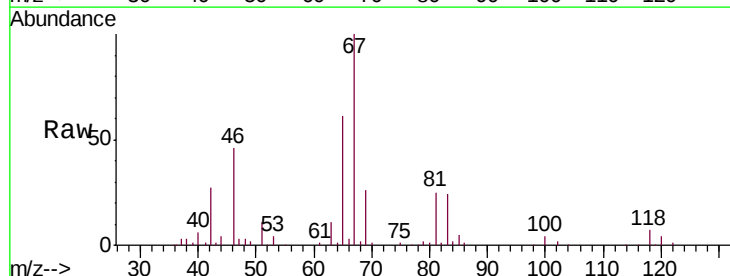
Acq: 06 Dec 2019 16:27

Tgt Ion: 63 Resp: 13447

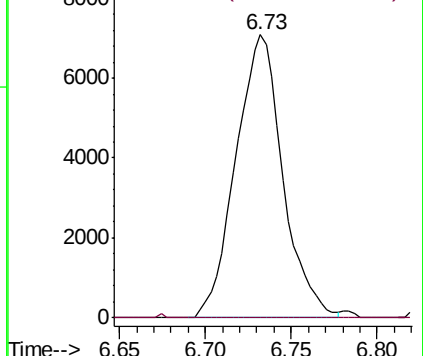
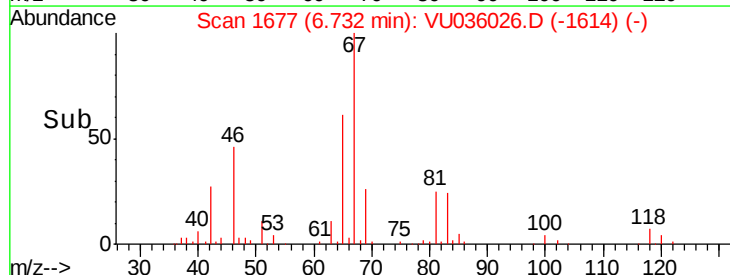
Ion Ratio Lower Upper

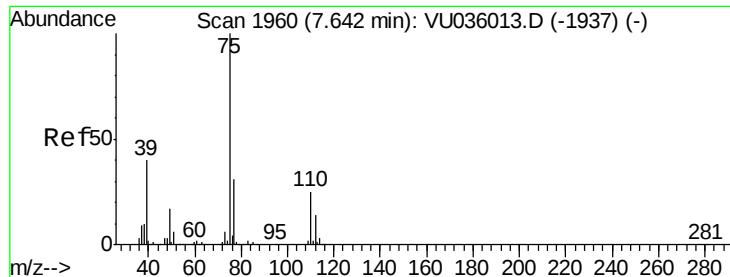
63 100

112 0.2 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU036026.D (-1614) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036026.D

Acq: 06 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

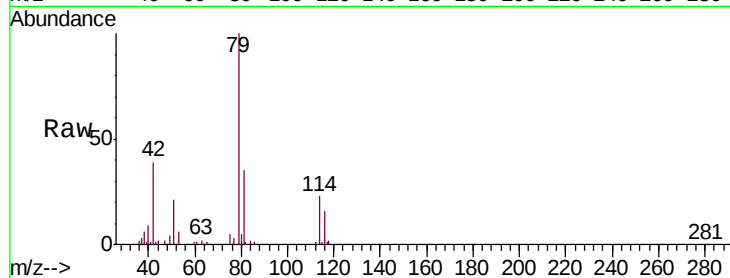
BFQX7

Tgt Ion: 75 Resp: 3590

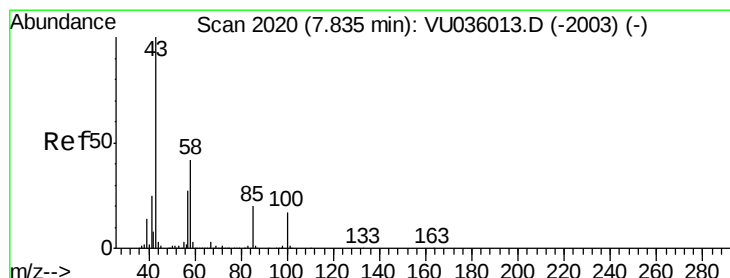
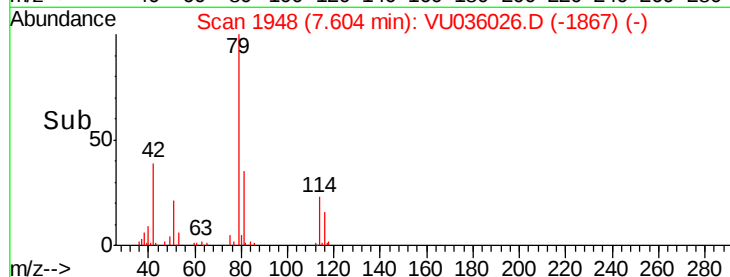
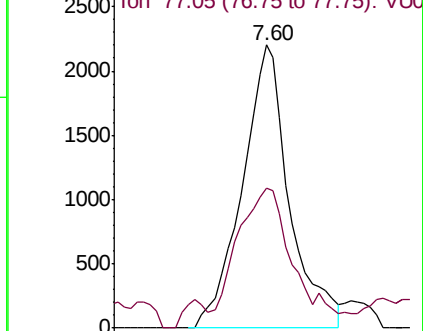
Ion Ratio Lower Upper

75 100

77 49.3 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VU036013.D (-1937) (-)



#40

4-Methyl-2-pentanone

Concen: 1.797 ug/L

RT: 7.84 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VU036026.D

Acq: 06 Dec 2019 16:27

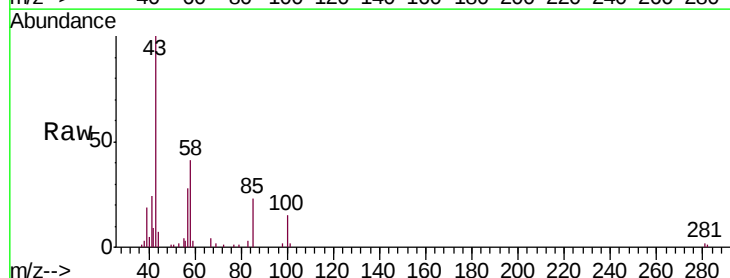
Tgt Ion: 43 Resp: 26435

Ion Ratio Lower Upper

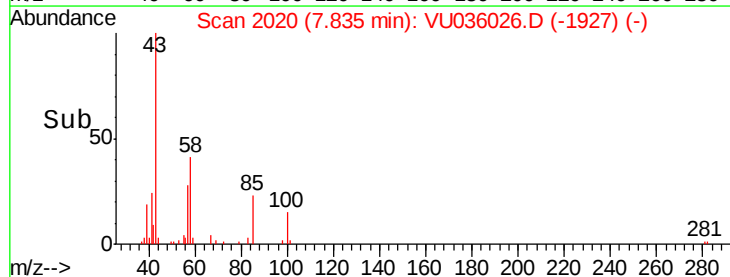
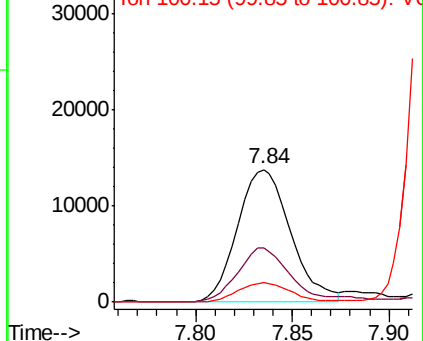
43 100

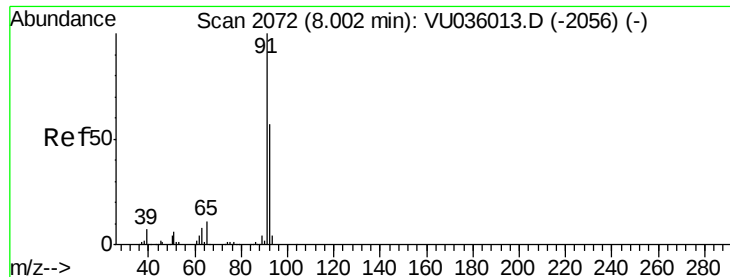
58 42.4 32.3 48.5

100 0.0 11.7 17.5#



Abundance Ion 43.05 (42.75 to 43.75): VU036013.D (-2003) (-)





#42

Toluene

Concen: 0.135 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036026.D

Acq: 06 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

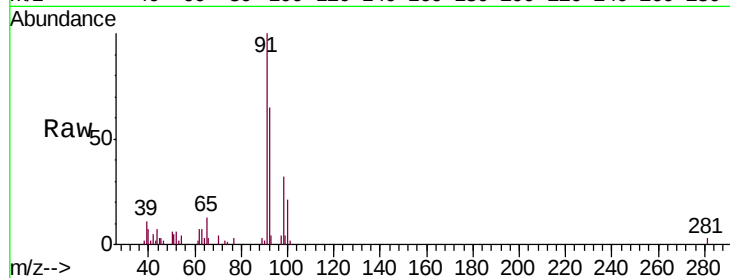
BFQX7

Tgt Ion: 91 Resp: 13008

Ion Ratio Lower Upper

91 100

92 65.3 39.8 74.0

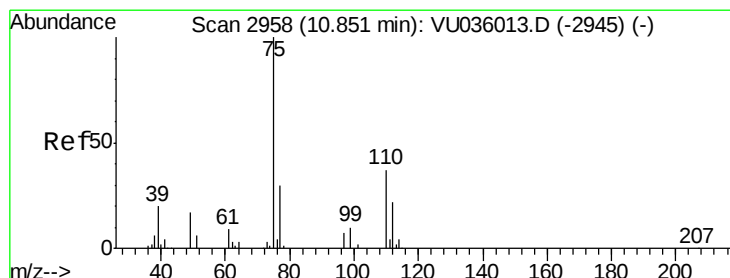
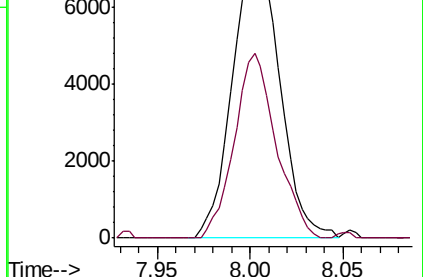
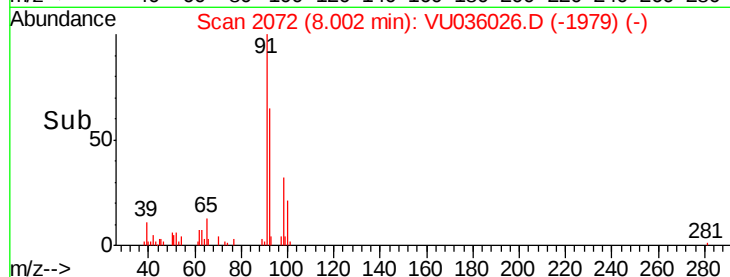


Abundance Ion 91.15 (90.85 to 91.85): VU036013.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036013.D (-2056) (-)

8.00

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.562 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036026.D

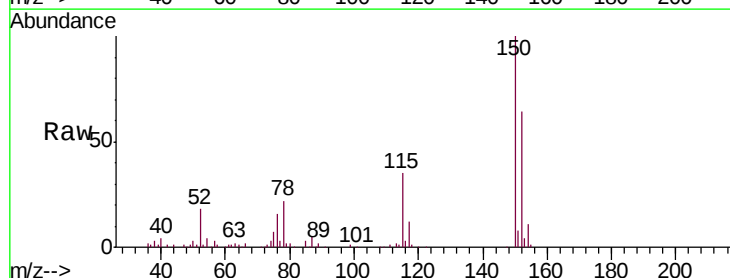
Acq: 06 Dec 2019 16:27

Tgt Ion: 75 Resp: 9151

Ion Ratio Lower Upper

75 100

77 37.6 26.6 39.8

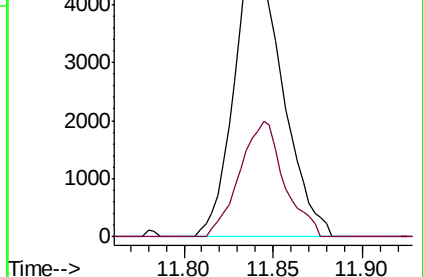
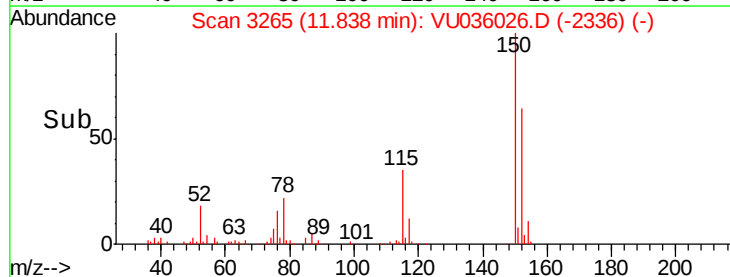


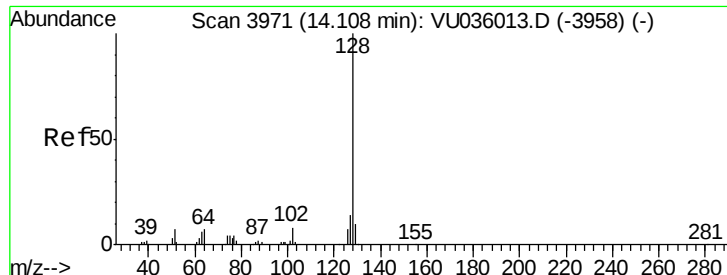
Abundance Ion 75.00 (74.70 to 75.70): VU036013.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036013.D (-2945) (-)

11.84

Time-->





#69

Naphthalene

Concen: 0.153 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036026.D

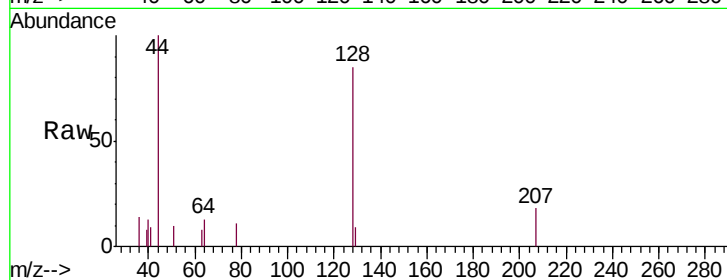
Acq: 06 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

BFQX7



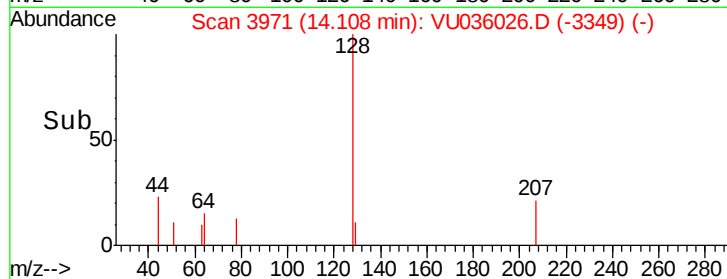
Tgt Ion:128 Resp: 1712

Ion Ratio Lower Upper

128 100

129 5.5 8.4 12.6#

127 7.2 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): V

1500 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

1000

500

0

14.11

14.10

14.15

Time-->