

Data File : VU029448.D
Acq On : 14 Feb 2019 11:26
Operator : JC/SP
Sample : K1438-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXB4

Quant Time: Feb 15 00:46:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	199301	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	187451	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102627	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61100	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.68	69	54666	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.27	63	99325	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.19	46	135352	48.62	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	4.65	84	107872	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.31	65	54553	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.34	84	226358	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.33	67	66856	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.56	98	218892	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.85	79	28462	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.31	63	137254	50.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54816	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	96260	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

						Qvalue
6) Bromomethane	1.63	94	602	0.054	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1077	0.062	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	1177	0.072	ug/L #	1
13) Acetone	2.32	43	12268	4.850	ug/L	92
15) Methyl Acetate	2.61	43	964	0.149	ug/L	91
16) Methylene chloride	2.70	84	5568	0.302	ug/L	98
25) Chloroform	4.67	83	2940	0.112	ug/L	98
27) 1,2-Dichloroethane	5.41	62	13757	0.902	ug/L	95
35) Methylcyclohexane	6.33	83	16105	0.617	ug/L #	22
37) 1,2-Dichloropropane	6.32	63	6957	0.503	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2024	0.093	ug/L #	64
42) Toluene	7.64	91	5029	0.081	ug/L	90
48) 2-Hexanone	8.37	43	3150	0.543	ug/L #	75
52) Ethylbenzene	9.25	91	21845	0.312	ug/L	97
53) m,p-xylene	9.37	106	47648	1.704	ug/L	99
54) o-xylene	9.78	106	24922	0.908	ug/L	97
55) Styrene	9.79	104	2110	0.046	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	9881	1.115	ug/L	89
69) Naphthalene	13.75	128	3946	0.090	ug/L #	76

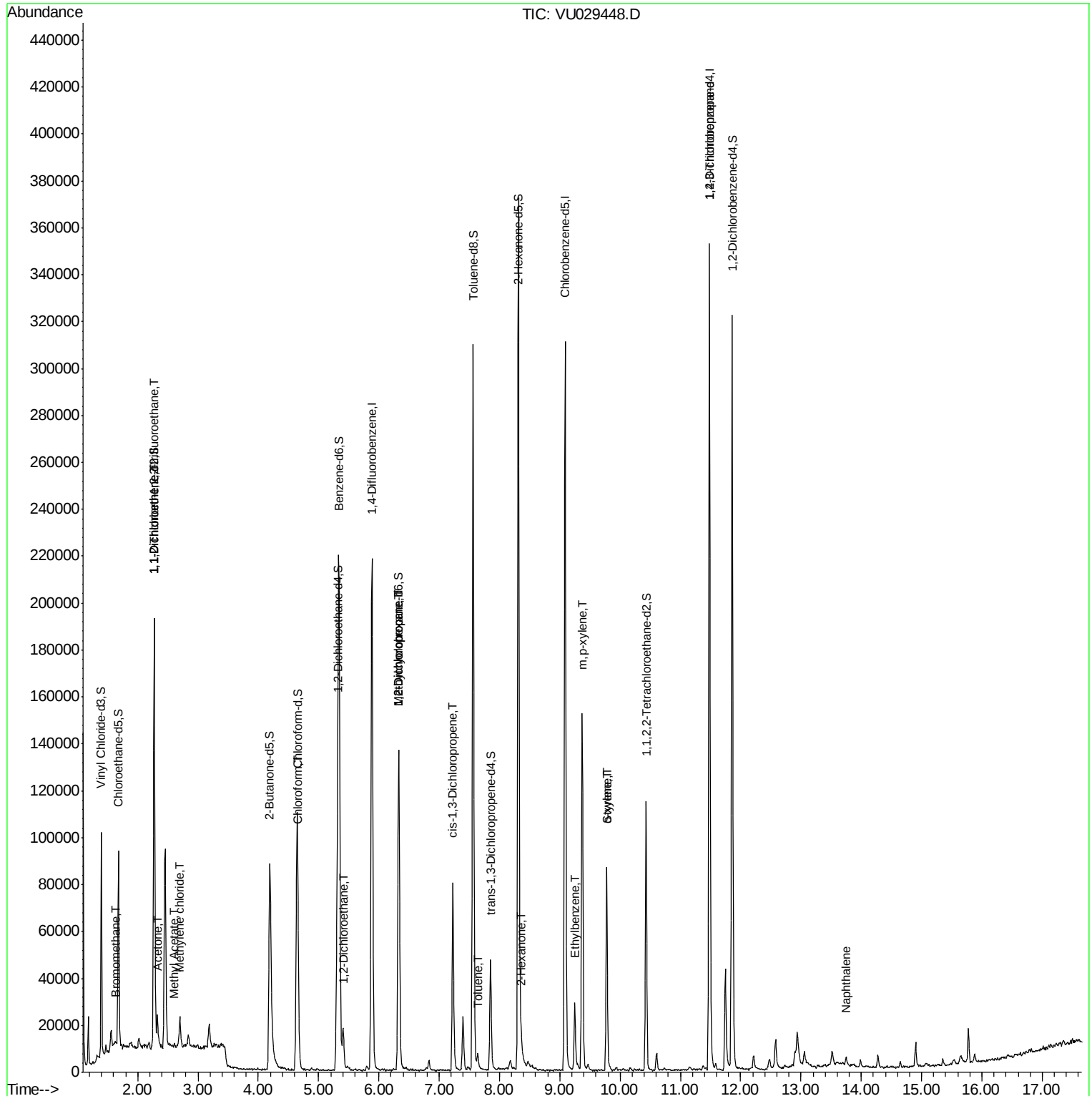
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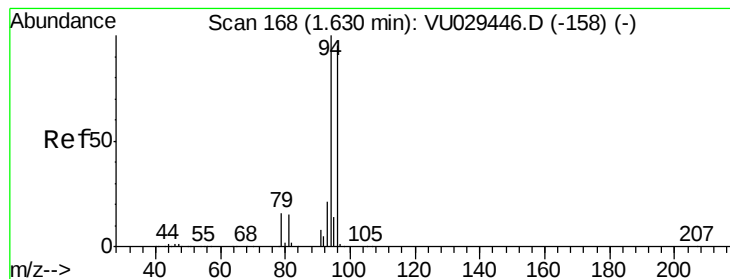
Data File : VU029448.D

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Acq On       : 14 Feb 2019   11:26
Operator    : JC/SP
Sample      : K1438-01
Misc       : 25.0mL/MSVOA_U/WATER
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Instrument :
MSVOA_U
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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.054 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029448.D

Acq: 14 Feb 2019 11:26

Instrument :

MSVOA_U

ClientSampled :

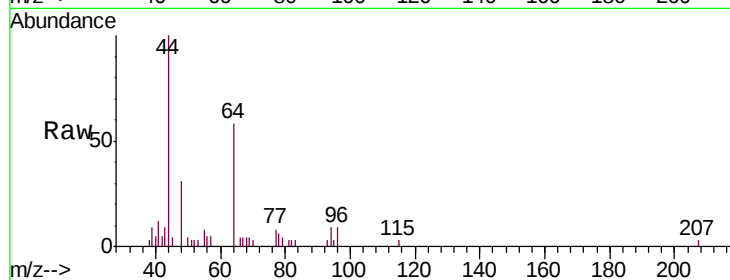
ESXB4

Tgt Ion: 94 Resp: 602

Ion Ratio Lower Upper

94 100

96 106.0 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU029446.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU029446.D (-158) (-)

1.63

300

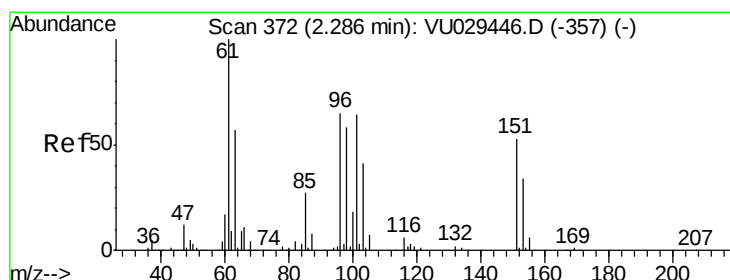
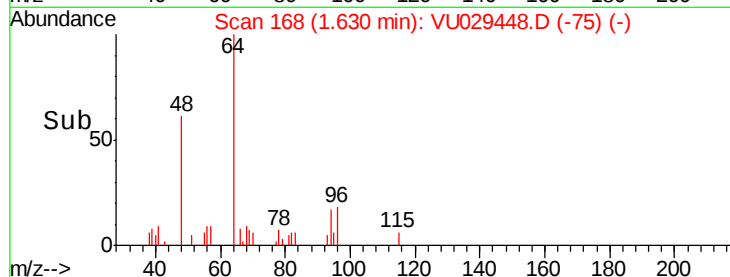
200

100

0

1.60 1.65

Time-->



#10

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

Concen: 0.062 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029448.D

Acq: 14 Feb 2019 11:26

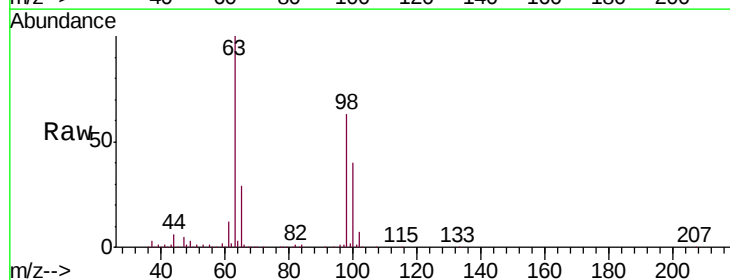
Tgt Ion: 101 Resp: 1077

Ion Ratio Lower Upper

101 100

85 8.1 35.1 52.7#

151 1.9 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): VU029446.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU029446.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU029446.D (-357) (-)

1000

800

600

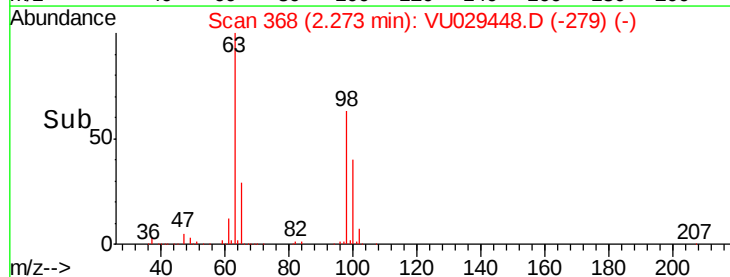
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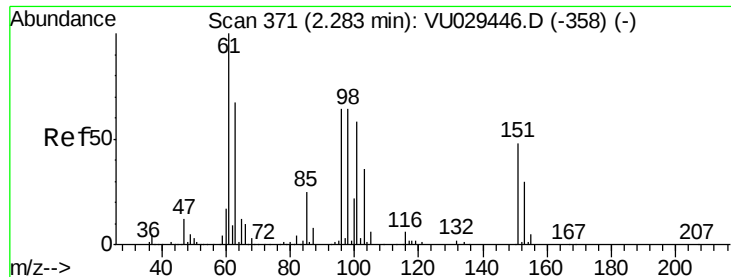
200

0

2.25 2.30

Time-->

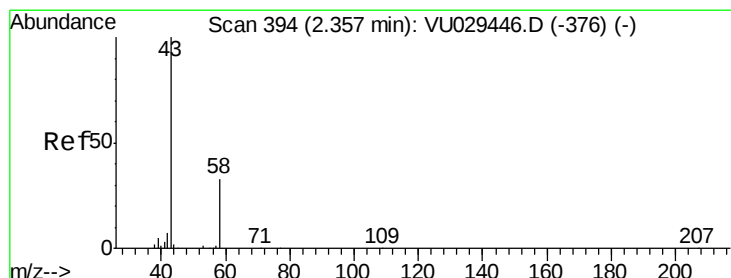
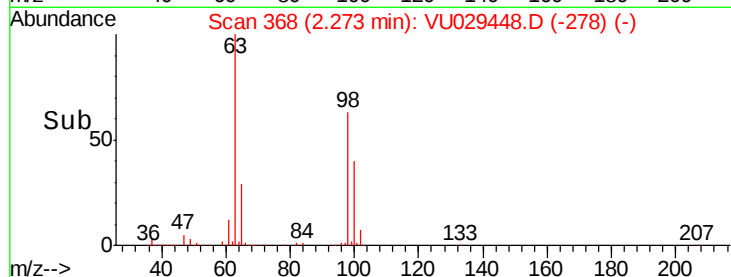
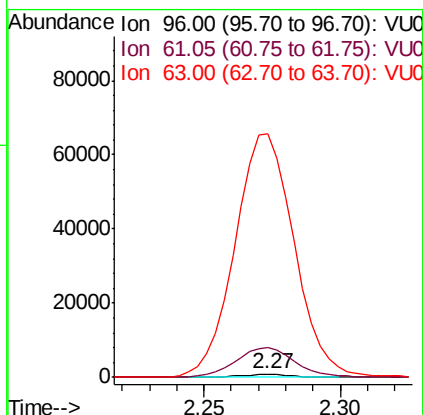
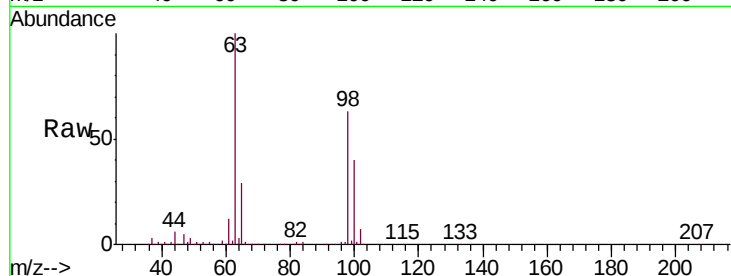




#12
 1,1-Dichloroethene
 Concen: 0.072 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU029448.D
 Acq: 14 Feb 2019 11:26

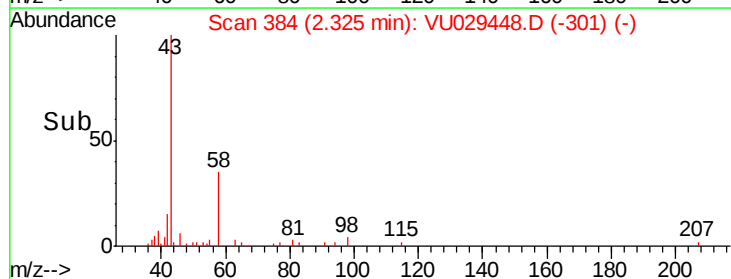
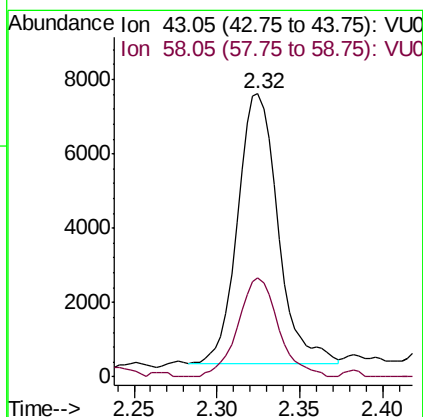
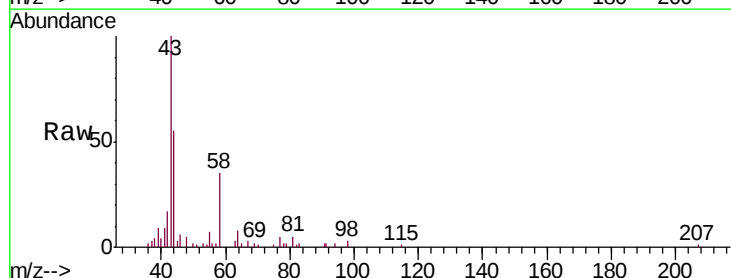
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXB4

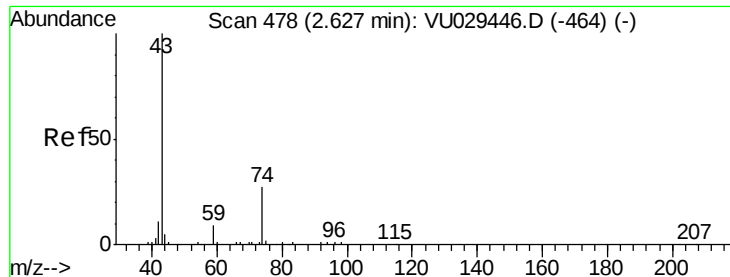
Tgt Ion: 96 Resp: 1177
 Ion Ratio Lower Upper
 96 100
 61 983.6 115.1 213.7#
 63 8034.3 83.5 155.1#



#13
 Acetone
 Concen: 4.850 ug/L
 RT: 2.32 min Scan# 384
 Delta R.T. -0.03 min
 Lab File: VU029448.D
 Acq: 14 Feb 2019 11:26

Tgt Ion: 43 Resp: 12268
 Ion Ratio Lower Upper
 43 100
 58 37.0 0.0 65.0

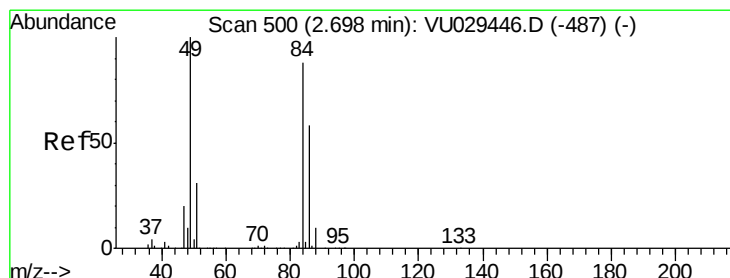
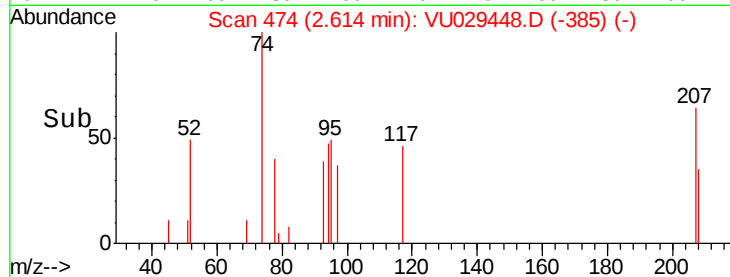
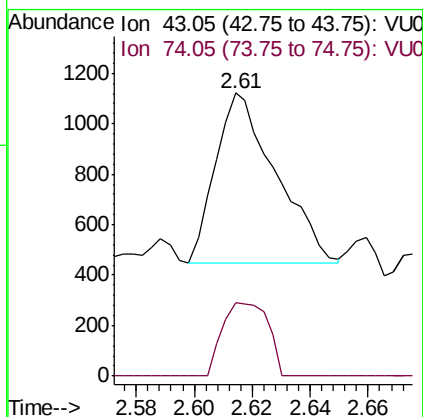
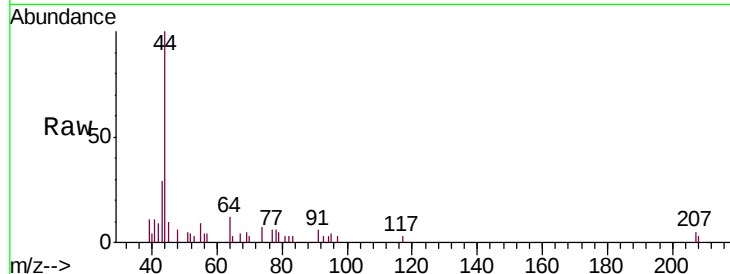




#15
Methyl Acetate
Concen: 0.149 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.01 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

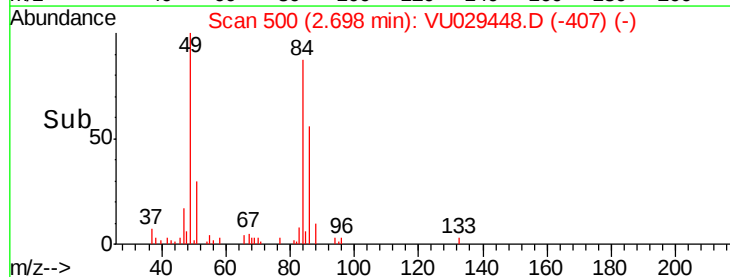
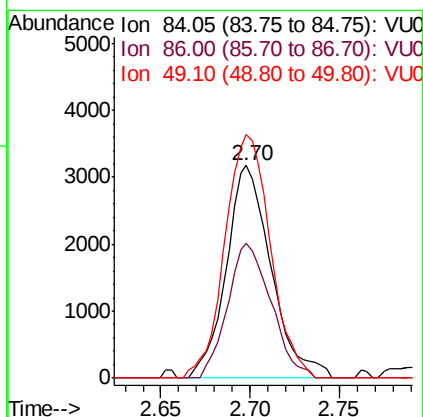
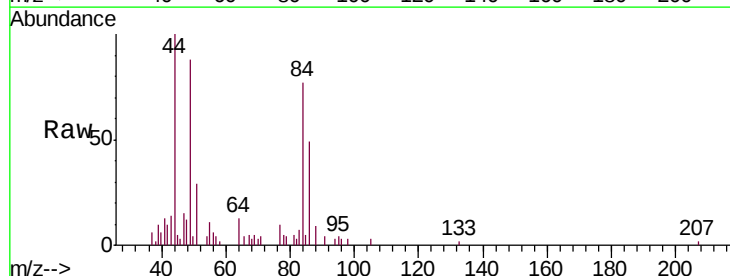
Instrument :
MSVOA_U
ClientSampled :
ESXB4

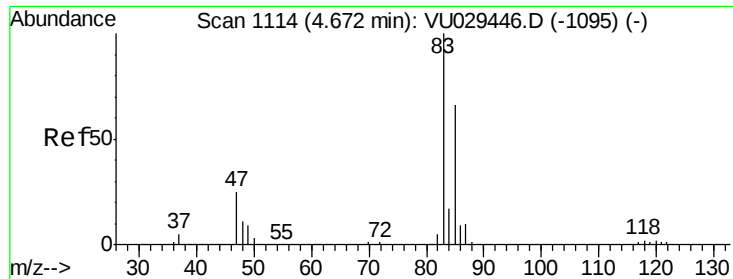
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
74 32.7 22.3 33.5



#16
Methylene chloride
Concen: 0.302 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

Tgt Ion: 84 Resp: 5568
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.9
49 114.5 81.8 151.8

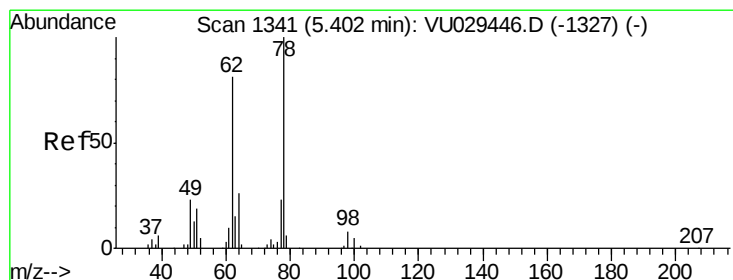
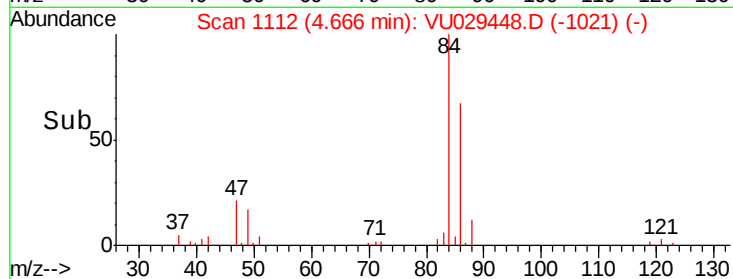
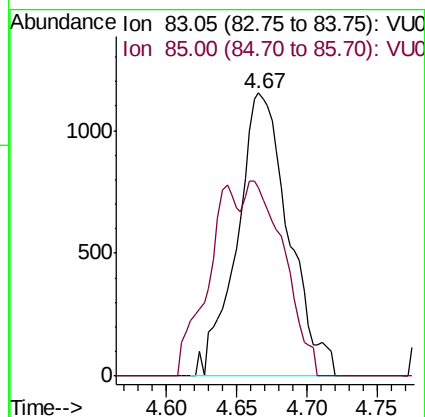
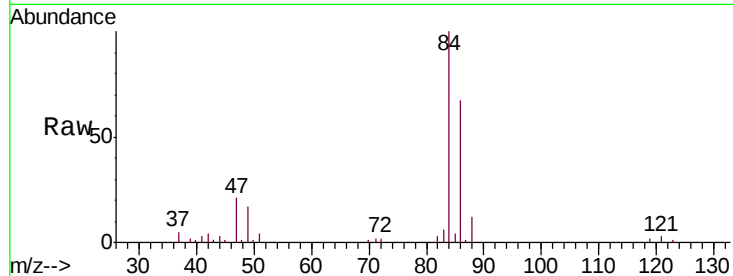




#25
Chloroform
Concen: 0.112 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

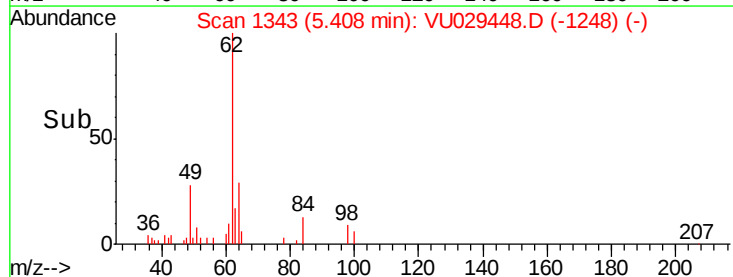
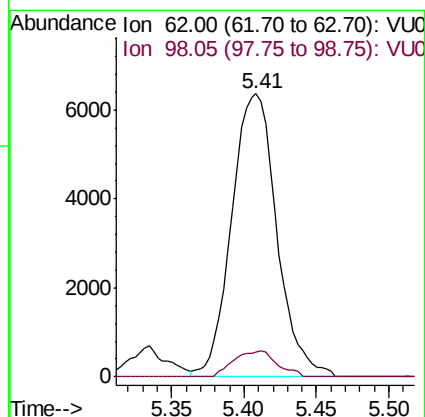
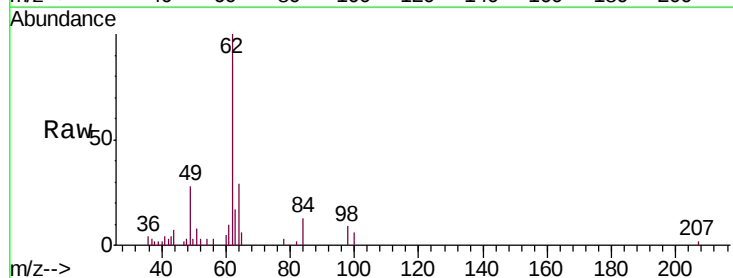
Instrument :
MSVOA_U
ClientSampleId :
ESXB4

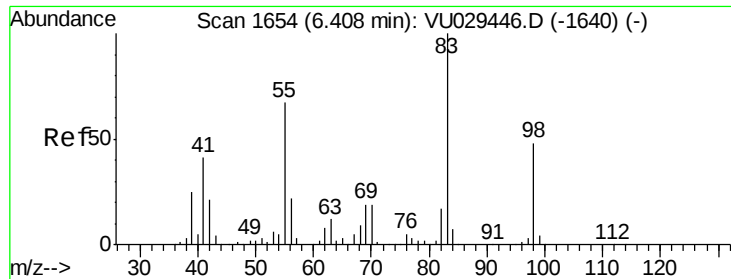
Tgt Ion: 83 Resp: 2940
Ion Ratio Lower Upper
83 100
85 66.4 47.8 88.8



#27
1,2-Dichloroethane
Concen: 0.902 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

Tgt Ion: 62 Resp: 13757
Ion Ratio Lower Upper
62 100
98 8.7 8.4 12.6





#35

Methylcyclohexane

Concen: 0.617 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029448.D

Acq: 14 Feb 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

ESXB4

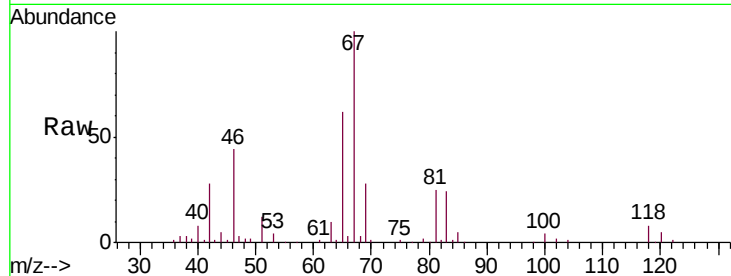
Tgt Ion: 83 Resp: 16105

Ion Ratio Lower Upper

83 100

55 1.2 55.9 83.9#

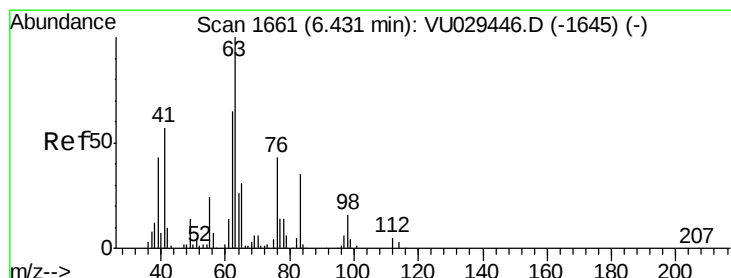
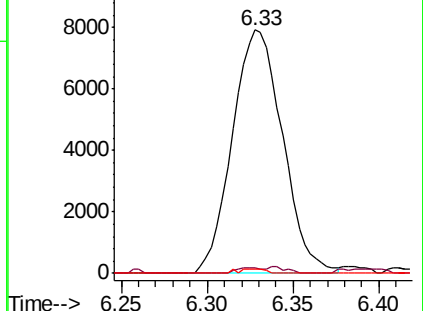
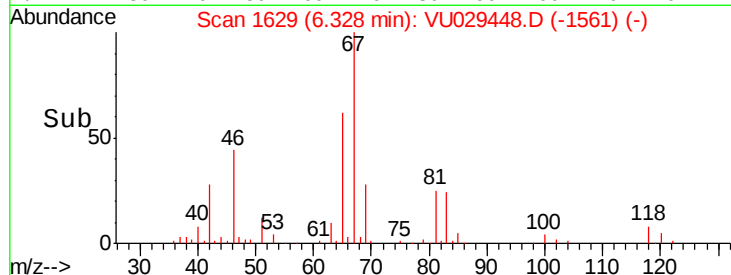
98 0.9 38.6 57.8#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.503 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU029448.D

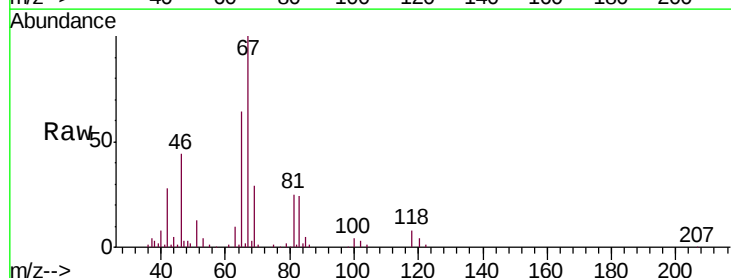
Acq: 14 Feb 2019 11:26

Tgt Ion: 63 Resp: 6957

Ion Ratio Lower Upper

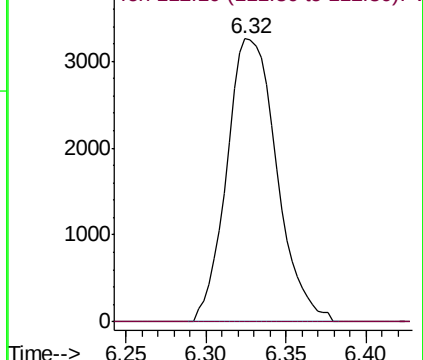
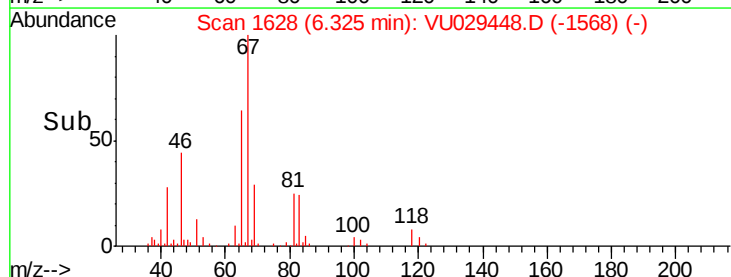
63 100

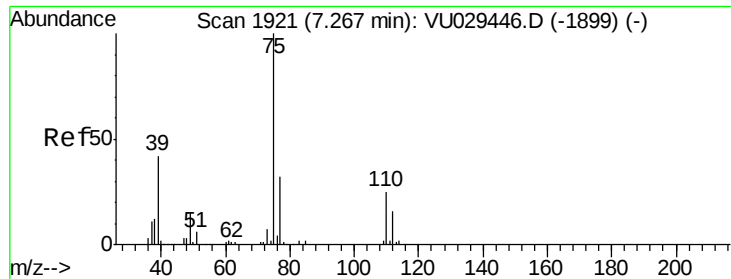
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029448.D

Acq: 14 Feb 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

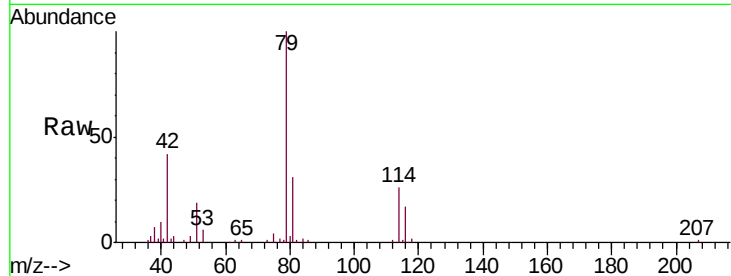
ESXB4

Tgt Ion: 75 Resp: 2024

Ion Ratio Lower Upper

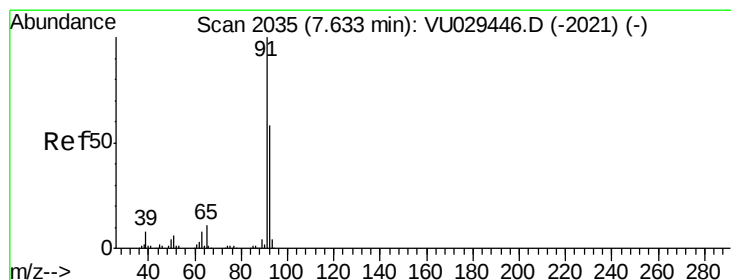
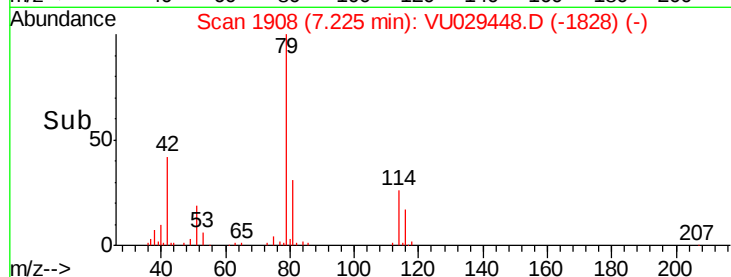
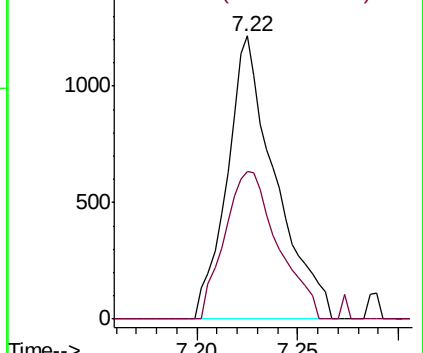
75 100

77 52.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.081 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029448.D

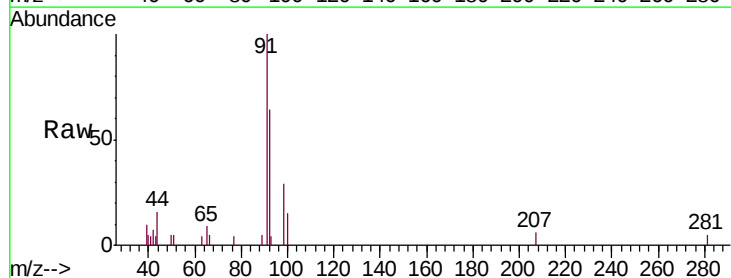
Acq: 14 Feb 2019 11:26

Tgt Ion: 91 Resp: 5029

Ion Ratio Lower Upper

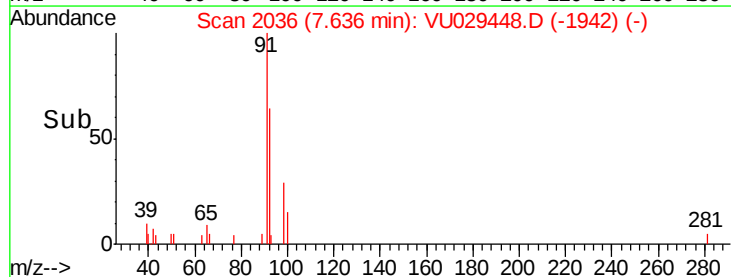
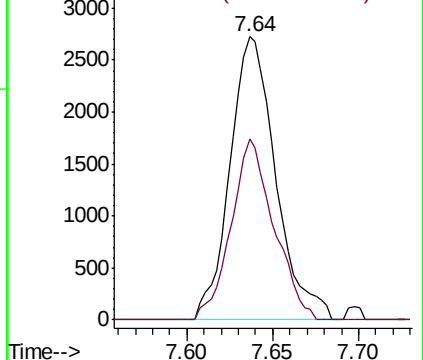
91 100

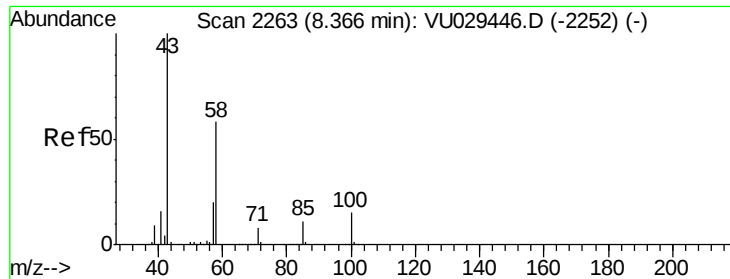
92 63.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

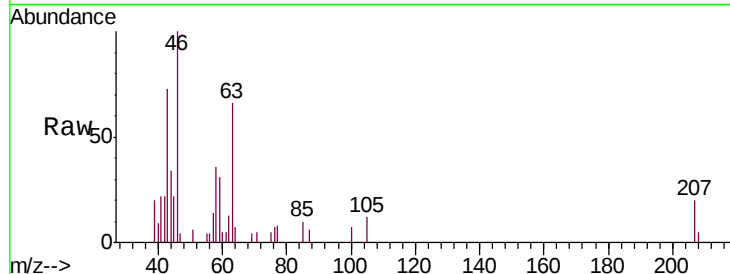




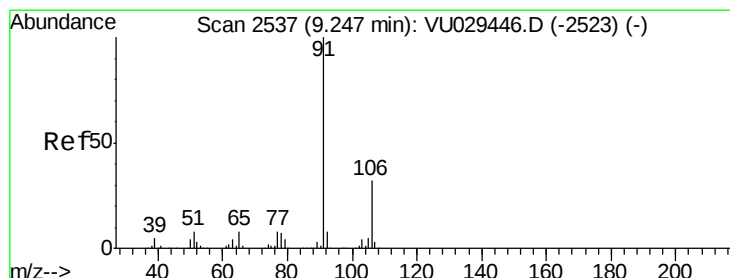
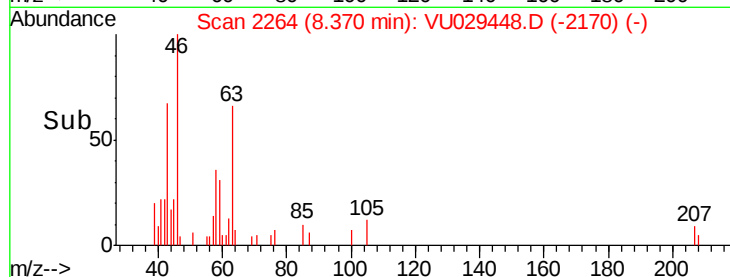
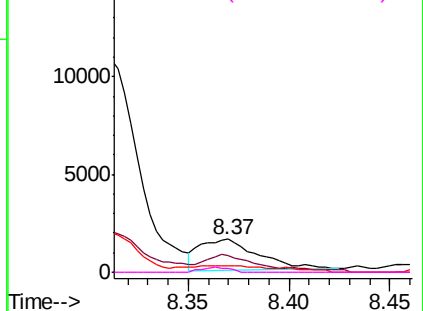
#48
2-Hexanone
Concen: 0.543 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

Instrument :
MSVOA_U
ClientSampleId :
ESXB4

Tgt Ion: 43 Resp: 3150
Ion Ratio Lower Upper
43 100
58 34.9 45.7 68.5#
57 27.7 16.4 24.6#
100 7.5 11.1 16.7#

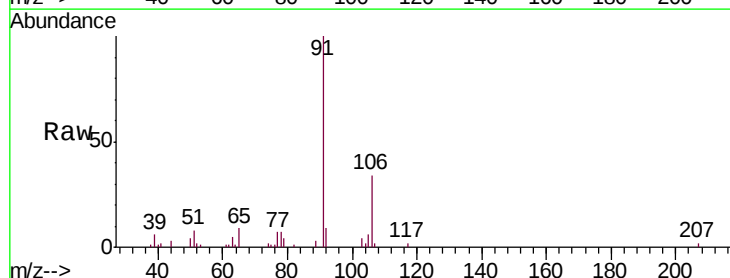


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

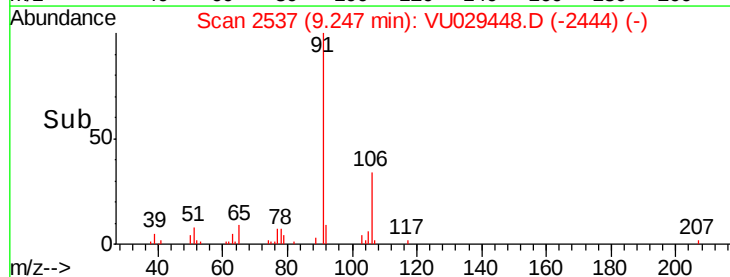
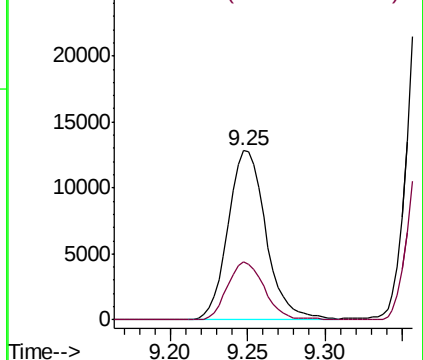


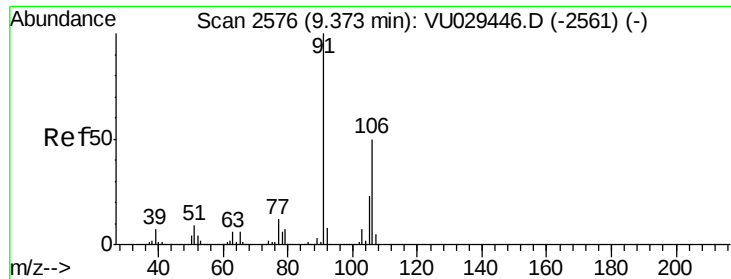
#52
Ethylbenzene
Concen: 0.312 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

Tgt Ion: 91 Resp: 21845
Ion Ratio Lower Upper
91 100
106 34.4 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): VU0

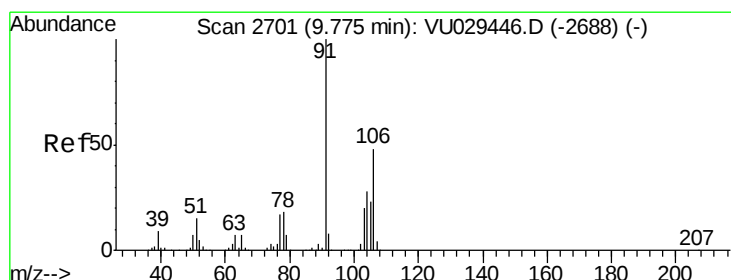
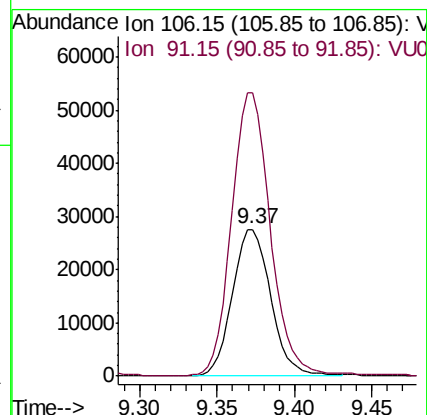
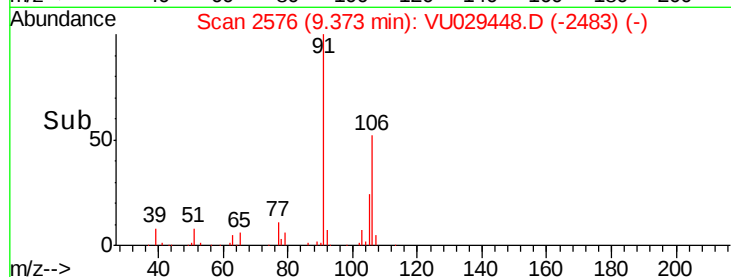
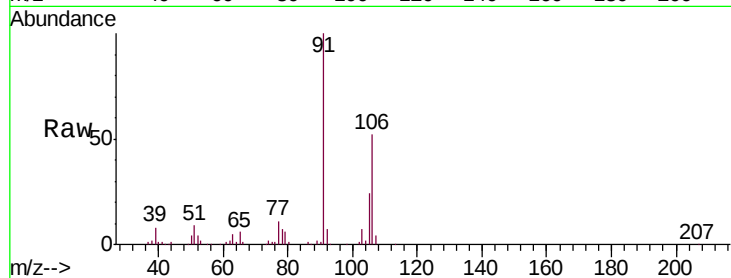




#53
m,p-xylene
Concen: 1.704 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

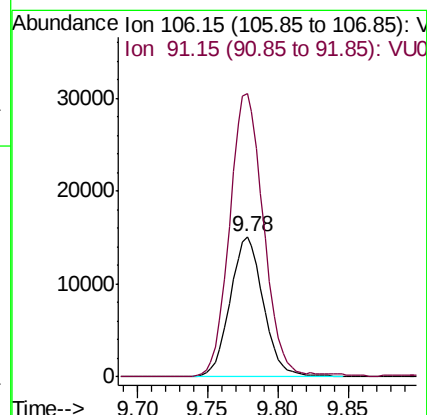
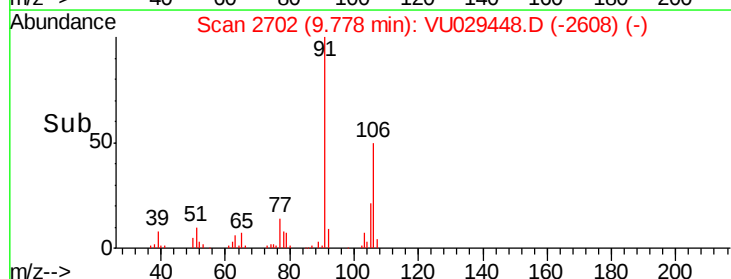
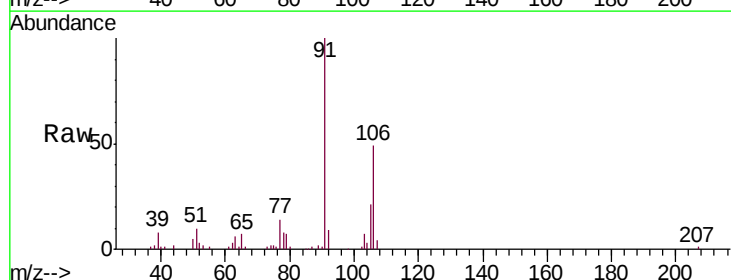
Instrument :
MSVOA_U
ClientSampleId :
ESXB4

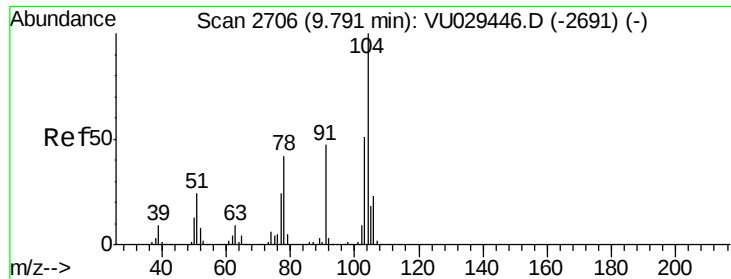
Tgt Ion:106 Resp: 47648
Ion Ratio Lower Upper
106 100
91 192.4 135.7 251.9



#54
o-xylene
Concen: 0.908 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029448.D
Acq: 14 Feb 2019 11:26

Tgt Ion:106 Resp: 24922
Ion Ratio Lower Upper
106 100
91 202.2 145.1 269.5





#55

Styrene

Concen: 0.046 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029448.D

Acq: 14 Feb 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

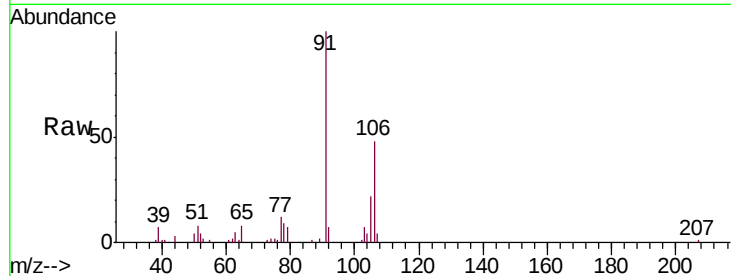
ESXB4

Tgt Ion:104 Resp: 2110

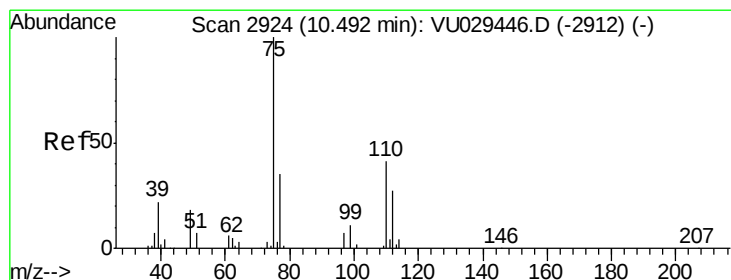
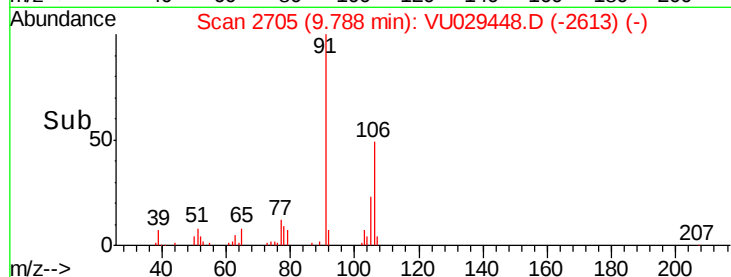
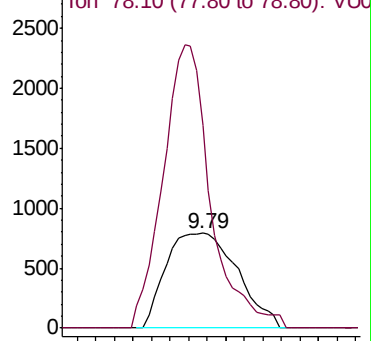
Ion Ratio Lower Upper

104 100

78 213.1 30.5 56.7#



Abundance Ion 104.10 (103.80 to 104.80): VU029446.D (-2691) (-)



#59

1,2,3-Trichloropropane

Concen: 1.115 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029448.D

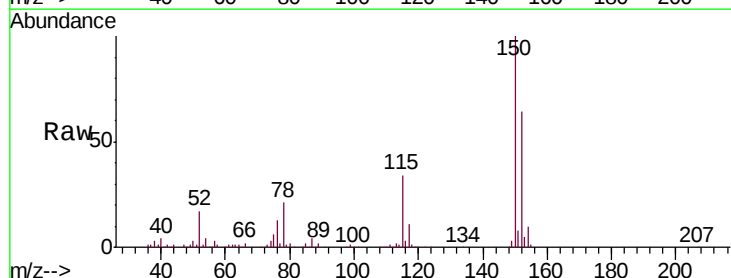
Acq: 14 Feb 2019 11:26

Tgt Ion: 75 Resp: 9881

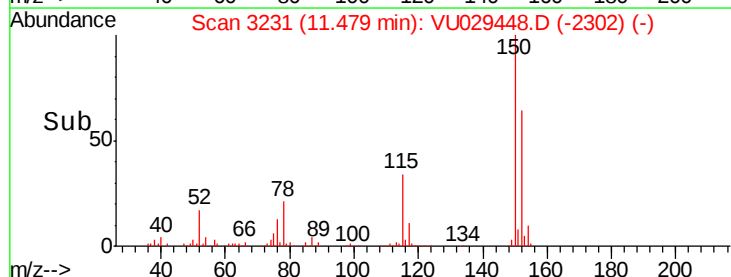
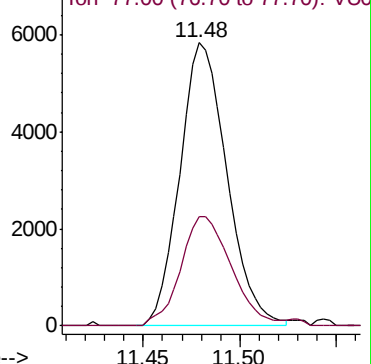
Ion Ratio Lower Upper

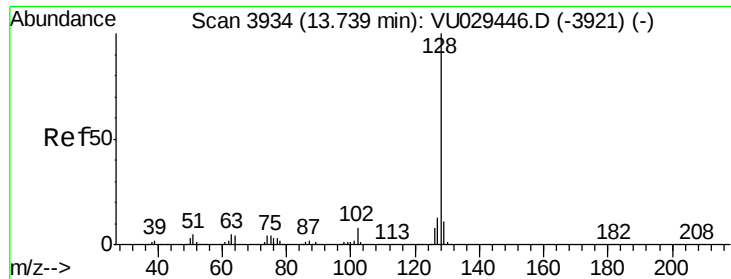
75 100

77 41.4 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029446.D (-2912) (-)





#69

Naphthalene

Concen: 0.090 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU029448.D

Acq: 14 Feb 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

ESXB4

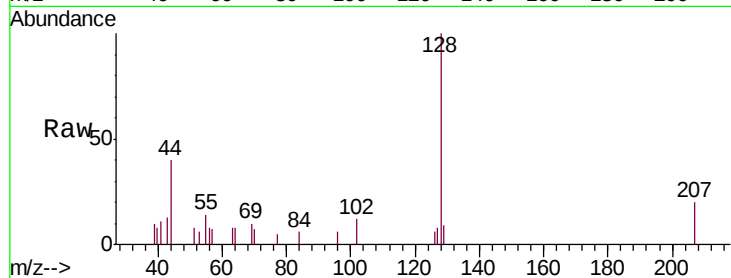
Tgt Ion:128 Resp: 3946

Ion Ratio Lower Upper

128 100

129 5.3 8.7 13.1#

127 0.0 10.3 15.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

