

Data File : VU029466.D
Acq On : 14 Feb 2019 19:31
Operator : JC/SP
Sample : K1438-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXB8

Quant Time: Feb 15 01:58:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	183261	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87320	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50423	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.68	69	47057	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.27	63	80993	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.19	46	133816	52.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.54%
24) Chloroform-d	4.65	84	90386	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.31	65	47984	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.34	84	192313	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.33	67	59438	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.56	98	179696	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.85	79	23567	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.31	63	136226	55.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50841	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	79784	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

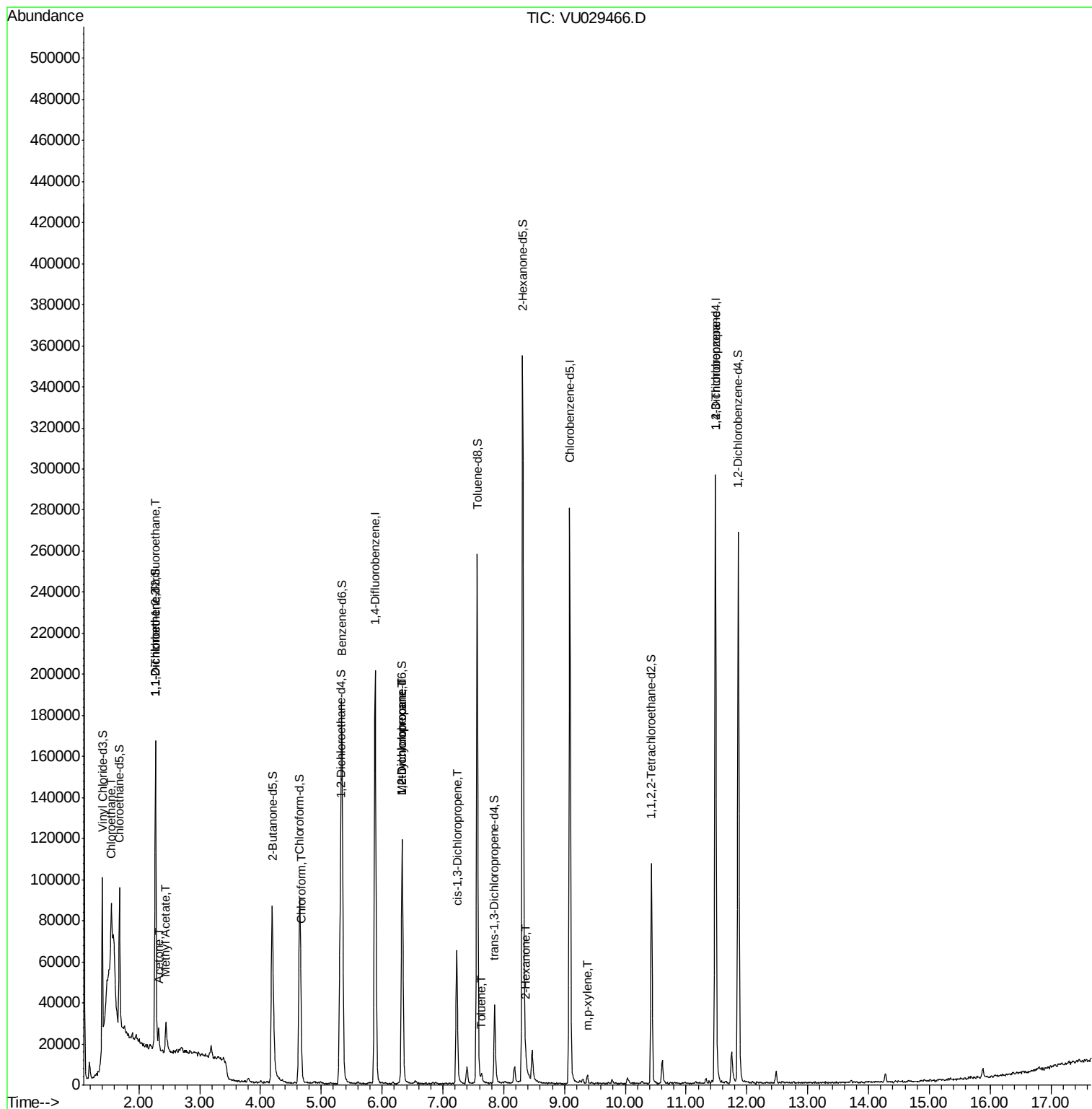
					Qvalue	
8) Chloroethane	1.55	64	25090	2.183	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	851	0.053	ug/L #	16
12) 1,1-Dichloroethene	2.27	96	921	0.061	ug/L #	1
13) Acetone	2.32	43	9757	4.195	ug/L	91
15) Methyl Acetate	2.45	43	3947	0.662	ug/L #	48
25) Chloroform	4.67	83	4499	0.186	ug/L	91
35) Methylcyclohexane	6.33	83	14757	0.628	ug/L #	21
37) 1,2-Dichloropropane	6.32	63	6169	0.496	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1820	0.093	ug/L #	79
42) Toluene	7.64	91	3570	0.064	ug/L	93
48) 2-Hexanone	8.37	43	2214	0.423	ug/L #	70
53) m,p-xylene	9.38	106	1636	0.065	ug/L	89
59) 1,2,3-Trichloropropane	11.48	75	8146	1.020	ug/L	93

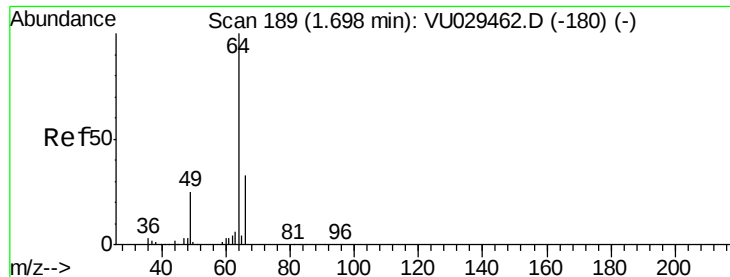
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 2.183 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029466.D

Acq: 14 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampled :

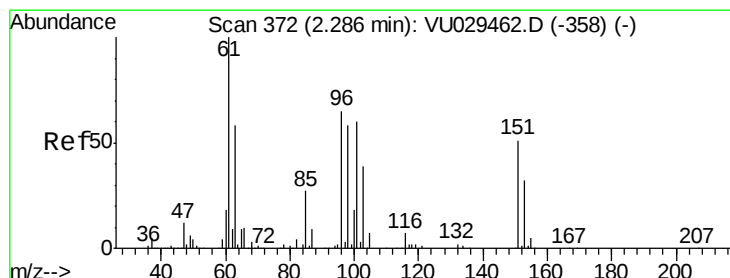
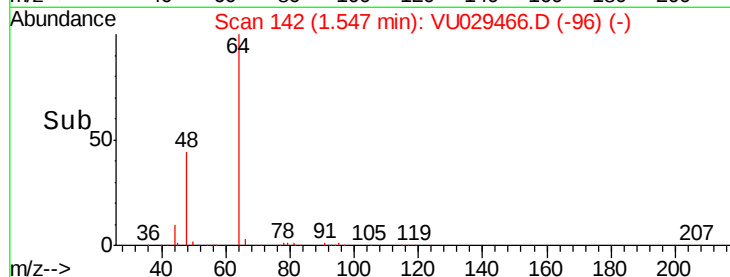
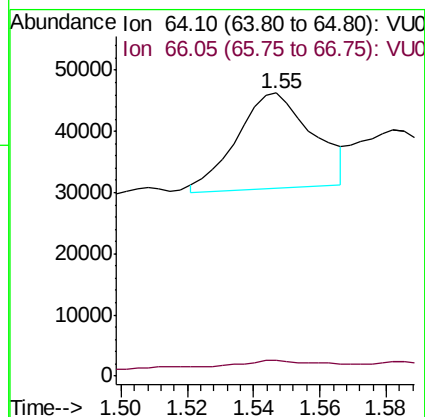
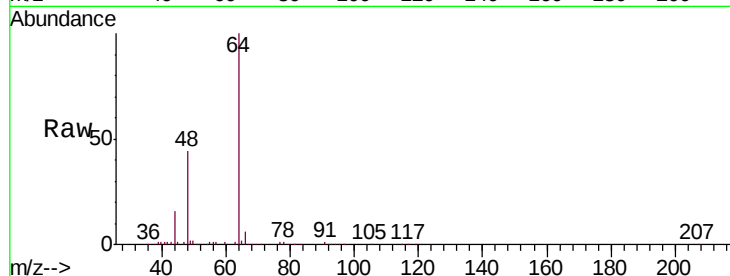
ESXB8

Tgt Ion: 64 Resp: 25090

Ion Ratio Lower Upper

64 100

66 5.6 22.0 40.8#



#10

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

Concen: 0.053 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029466.D

Acq: 14 Feb 2019 19:31

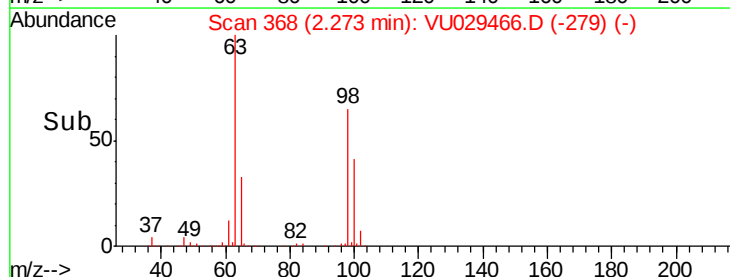
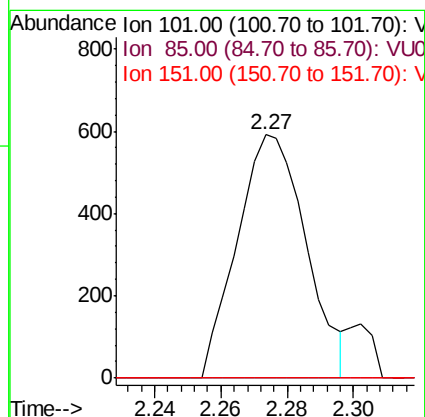
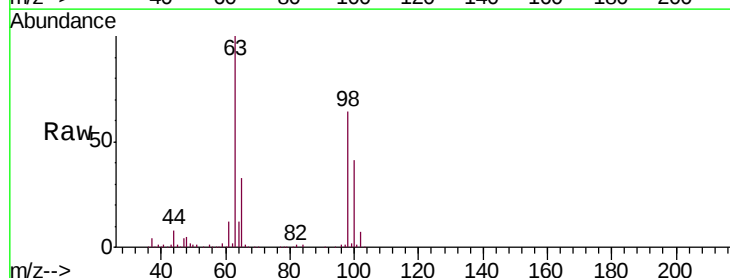
Tgt Ion: 101 Resp: 851

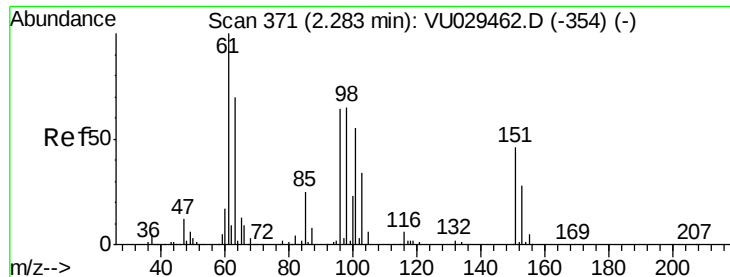
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 67.0 100.6#

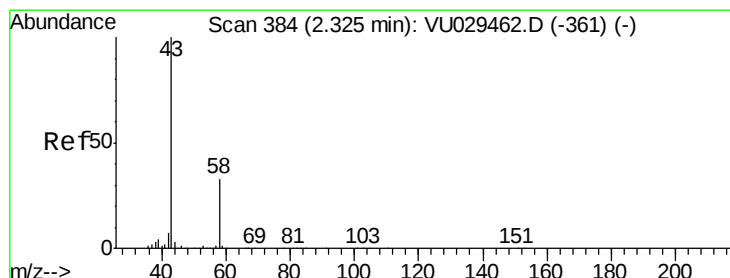
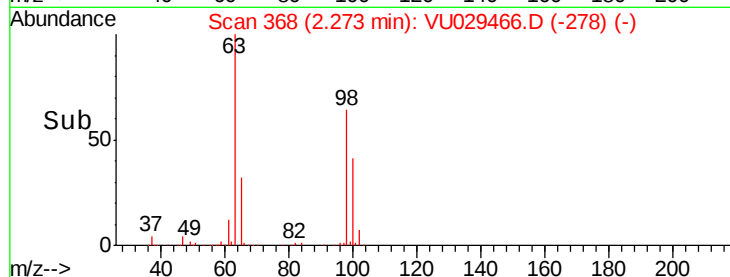
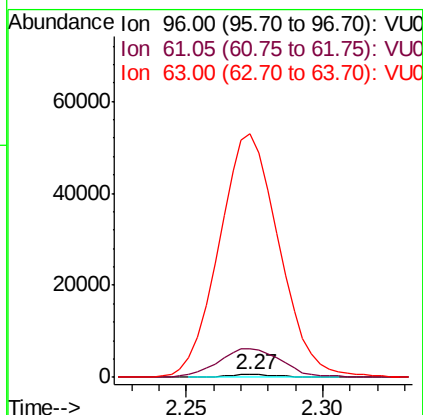
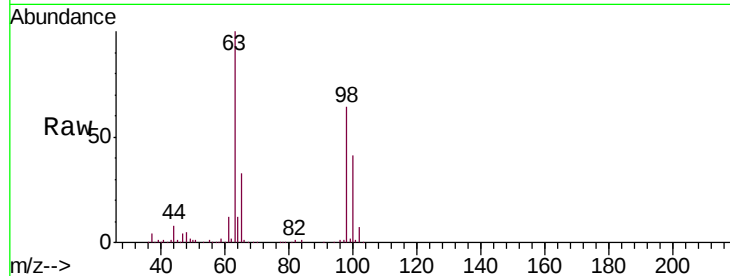




#12
 1,1-Dichloroethene
 Concen: 0.061 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU029466.D
 Acq: 14 Feb 2019 19:31

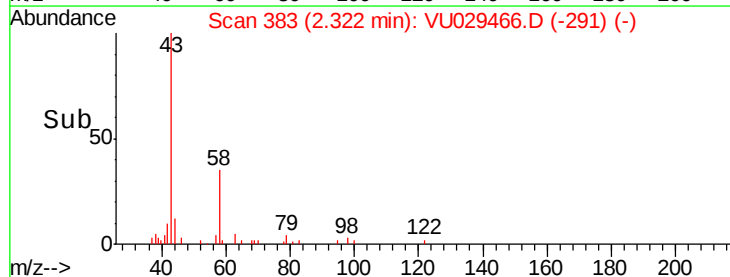
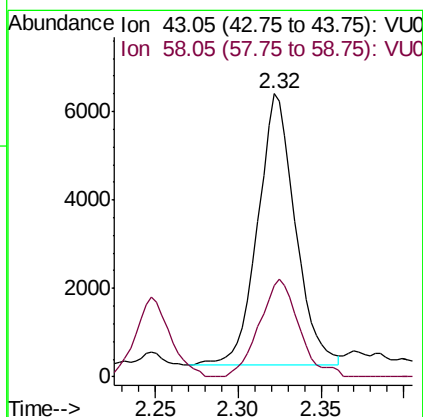
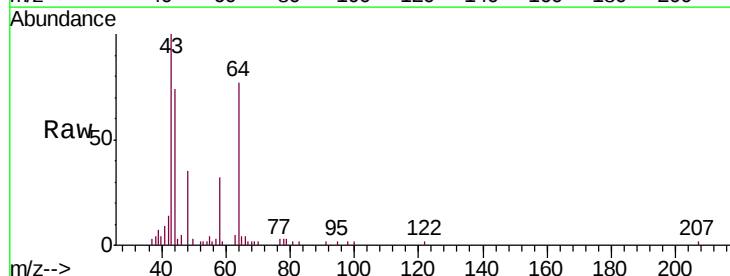
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXB8

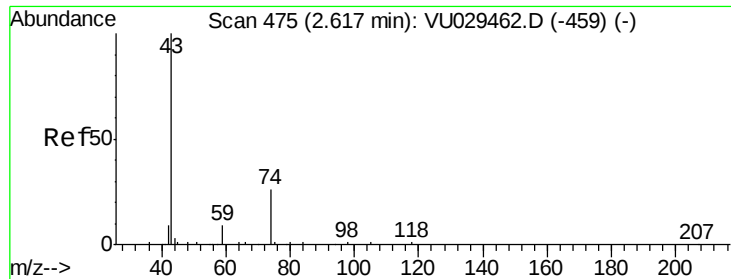
Tgt Ion: 96 Resp: 921
 Ion Ratio Lower Upper
 96 100
 61 1079.4 115.1 213.7#
 63 9032.1 83.5 155.1#



#13
 Acetone
 Concen: 4.195 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VU029466.D
 Acq: 14 Feb 2019 19:31

Tgt Ion: 43 Resp: 9757
 Ion Ratio Lower Upper
 43 100
 58 37.7 0.0 65.0

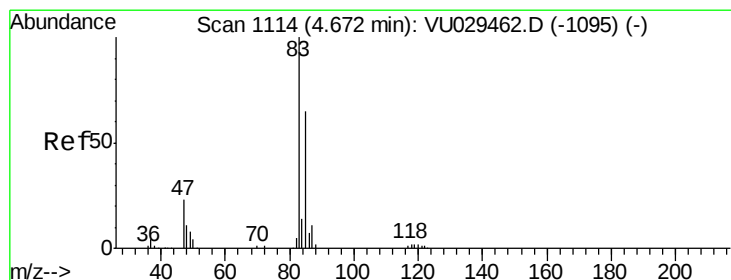
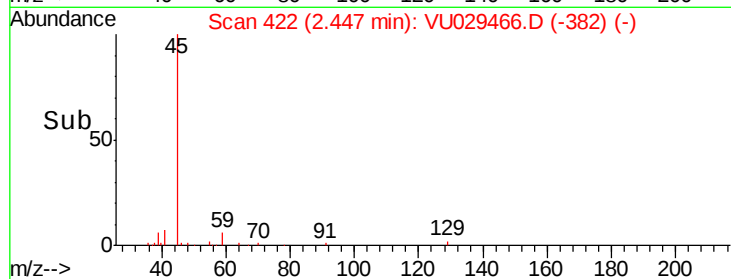
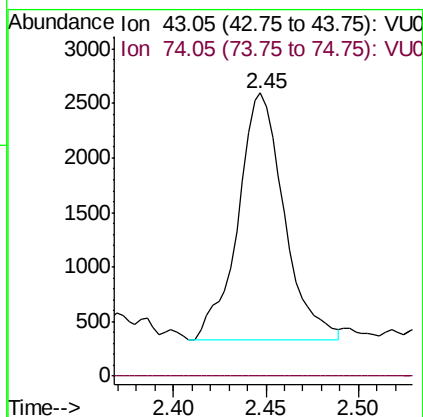
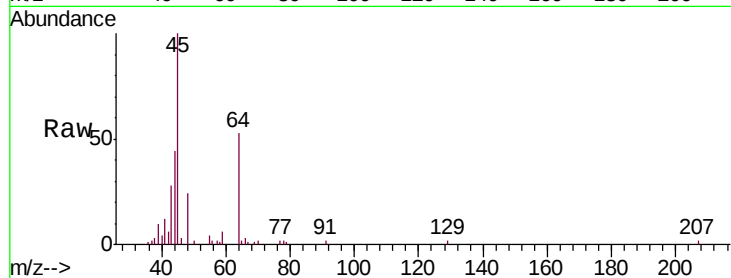




#15
Methyl Acetate
Concen: 0.662 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.17 min
Lab File: VU029466.D
Acq: 14 Feb 2019 19:31

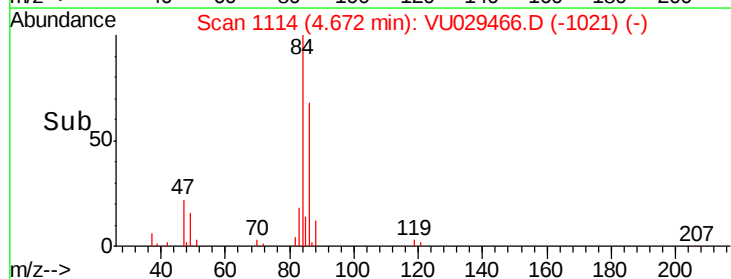
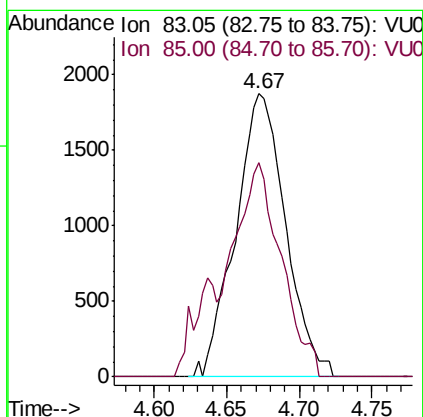
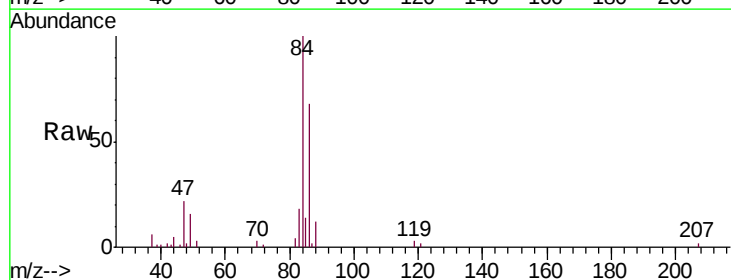
Instrument :
MSVOA_U
ClientSampleId :
ESXB8

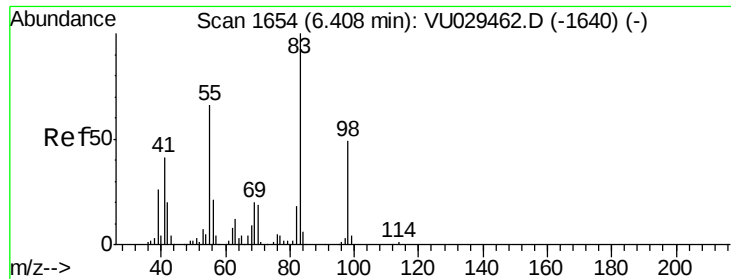
Tgt Ion: 43 Resp: 3947
Ion Ratio Lower Upper
43 100
74 0.5 22.3 33.5#



#25
Chloroform
Concen: 0.186 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029466.D
Acq: 14 Feb 2019 19:31

Tgt Ion: 83 Resp: 4499
Ion Ratio Lower Upper
83 100
85 75.7 47.8 88.8





#35

Methylcyclohexane

Concen: 0.628 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029466.D

Acq: 14 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

ESXB8

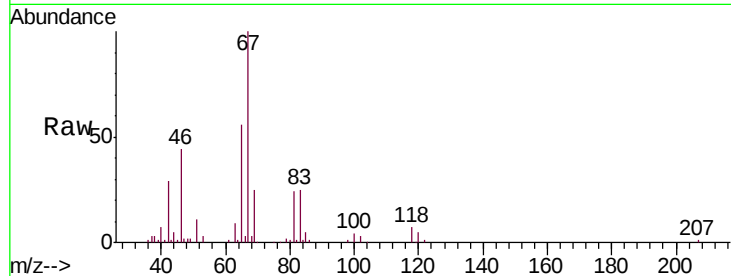
Tgt Ion: 83 Resp: 14757

Ion Ratio Lower Upper

83 100

55 0.9 55.9 83.9#

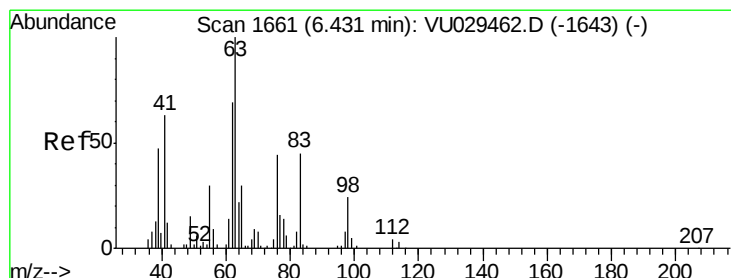
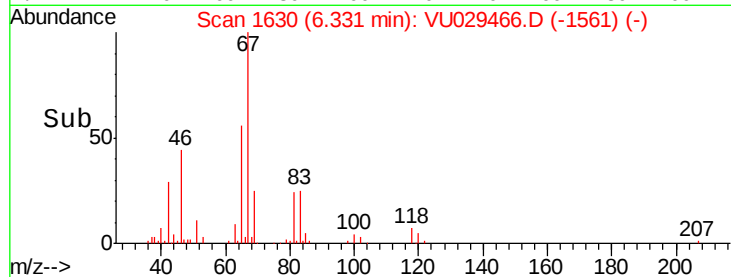
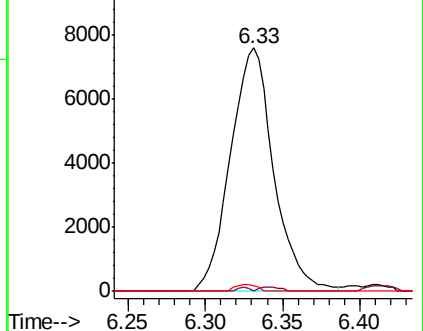
98 0.0 38.6 57.8#



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: 0.496 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU029466.D

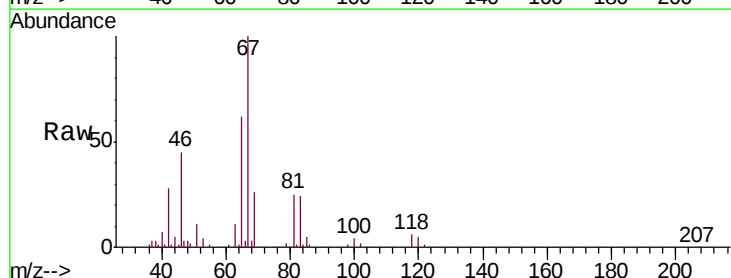
Acq: 14 Feb 2019 19:31

Tgt Ion: 63 Resp: 6169

Ion Ratio Lower Upper

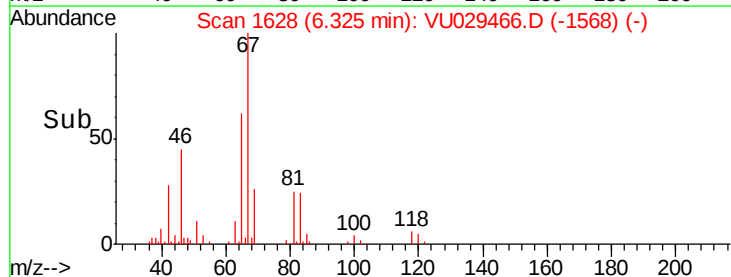
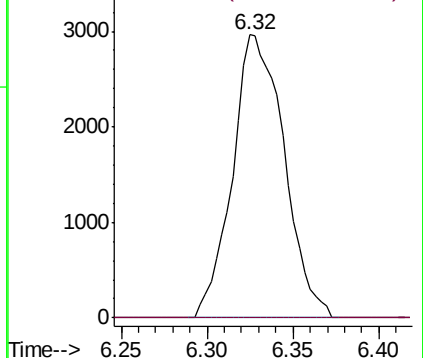
63 100

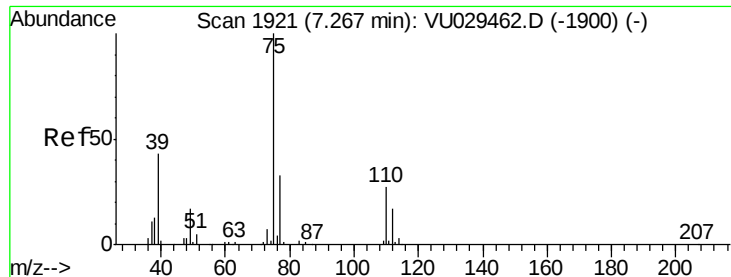
112 0.0 3.5 5.3#



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: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029466.D

Acq: 14 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

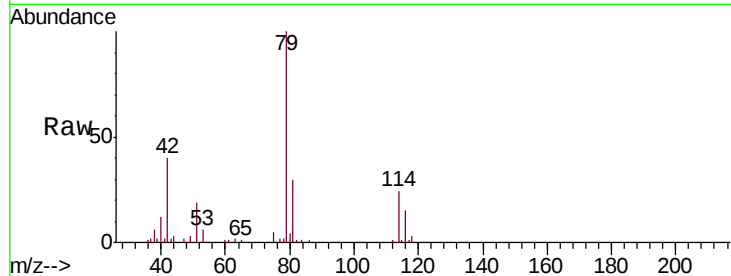
ESXB8

Tgt Ion: 75 Resp: 1820

Ion Ratio Lower Upper

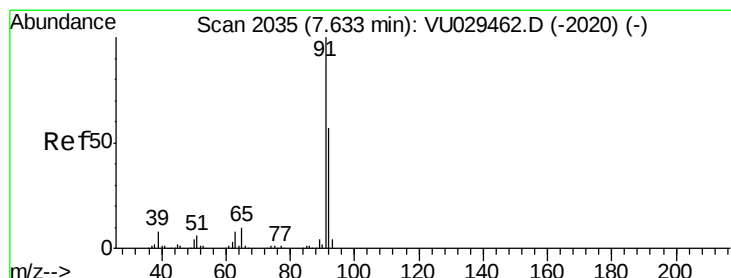
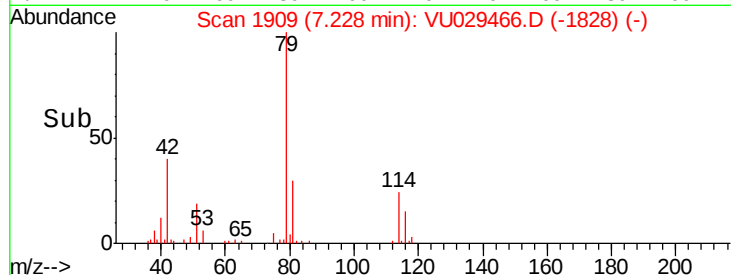
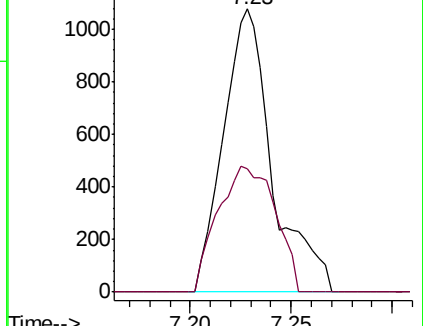
75 100

77 43.5 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: 0.064 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU029466.D

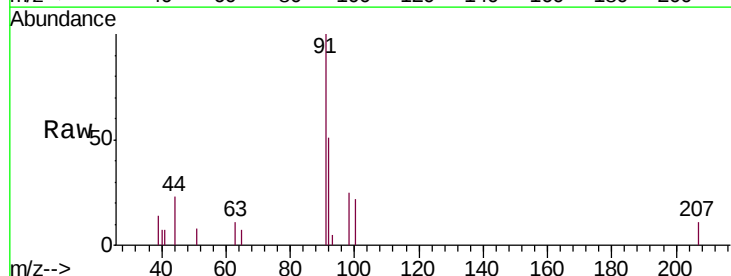
Acq: 14 Feb 2019 19:31

Tgt Ion: 91 Resp: 3570

Ion Ratio Lower Upper

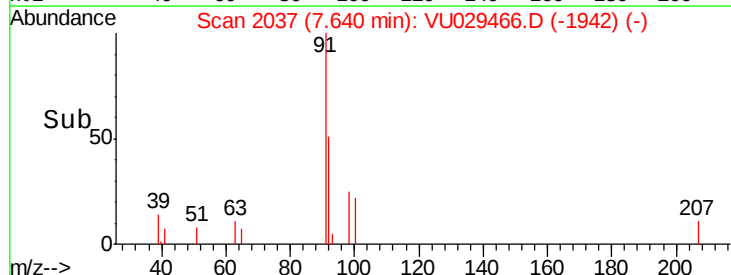
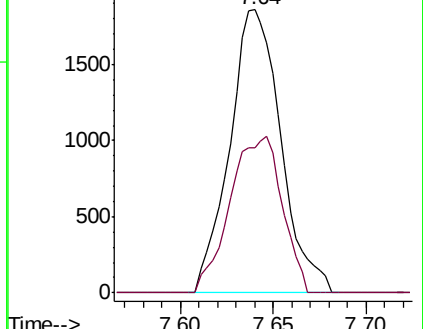
91 100

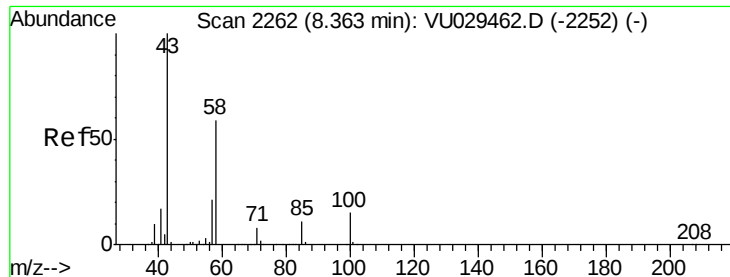
92 51.3 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

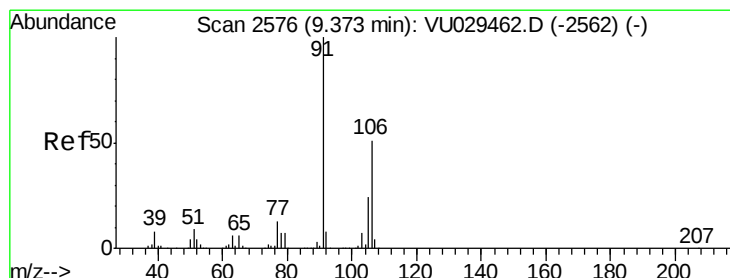
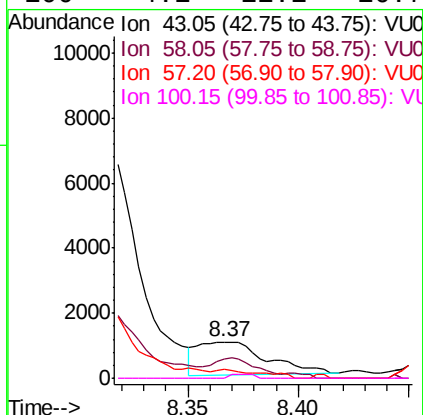
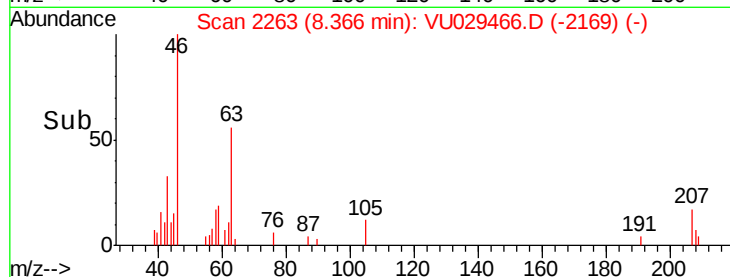
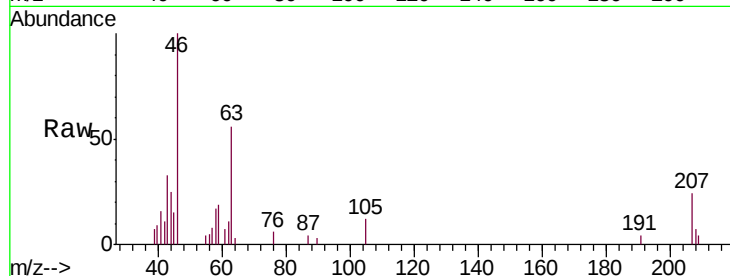




#48
2-Hexanone
Concen: 0.423 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029466.D
Acq: 14 Feb 2019 19:31

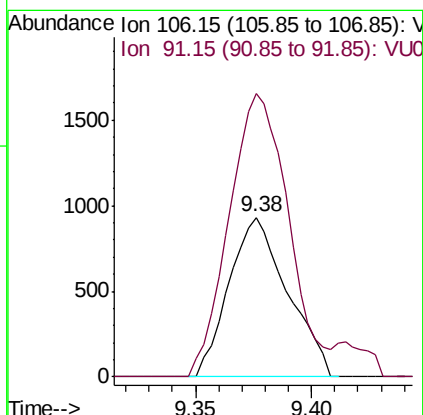
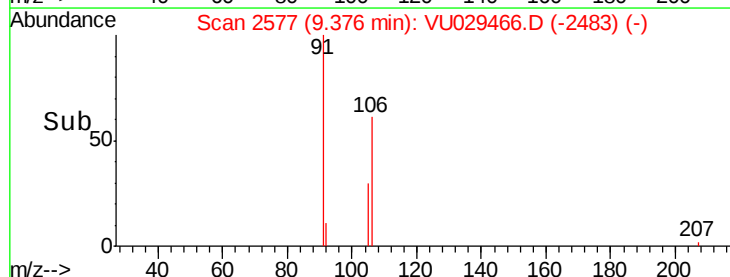
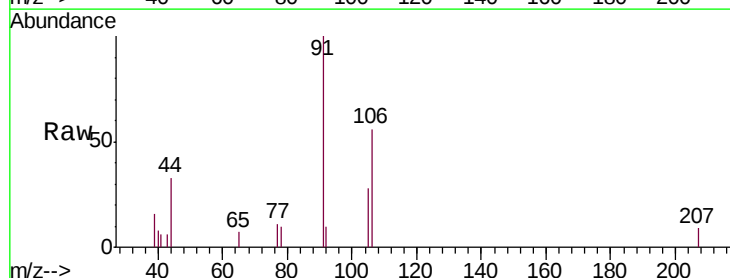
Instrument :
MSVOA_U
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ESXB8

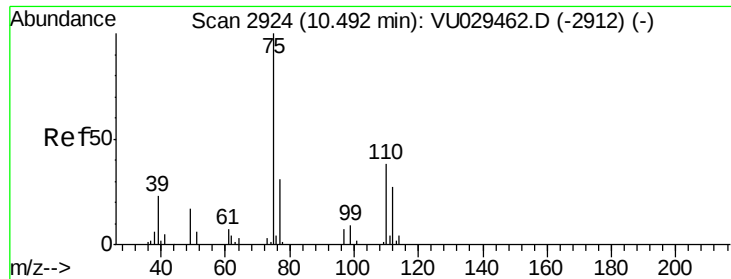
Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
58 27.4 45.7 68.5#
57 17.3 16.4 24.6
100 4.1 11.1 16.7#



#53
m,p-xylene
Concen: 0.065 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029466.D
Acq: 14 Feb 2019 19:31

Tgt Ion: 106 Resp: 1636
Ion Ratio Lower Upper
106 100
91 177.1 135.7 251.9





#59

1,2,3-Trichloropropane

Concen: 1.020 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029466.D

Acq: 14 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

ESXB8

Tgt Ion: 75 Resp: 8146

Ion Ratio Lower Upper

75 100

77 39.5 28.2 42.2

