

Data File : VU029459.D
Acq On : 14 Feb 2019 15:43
Operator : JC/SP
Sample : K1436-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXB1

Quant Time: Feb 15 00:48:44 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	190594	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	179163	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96830	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50479	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.68	69	47598	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.27	63	83617	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.19	46	129623	48.68	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.36%
24) Chloroform-d	4.65	84	96438	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	50722	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.34	84	199640	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.33	67	60168	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.56	98	188590	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.85	79	23046	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.31	63	133222	50.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51198	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	87171	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

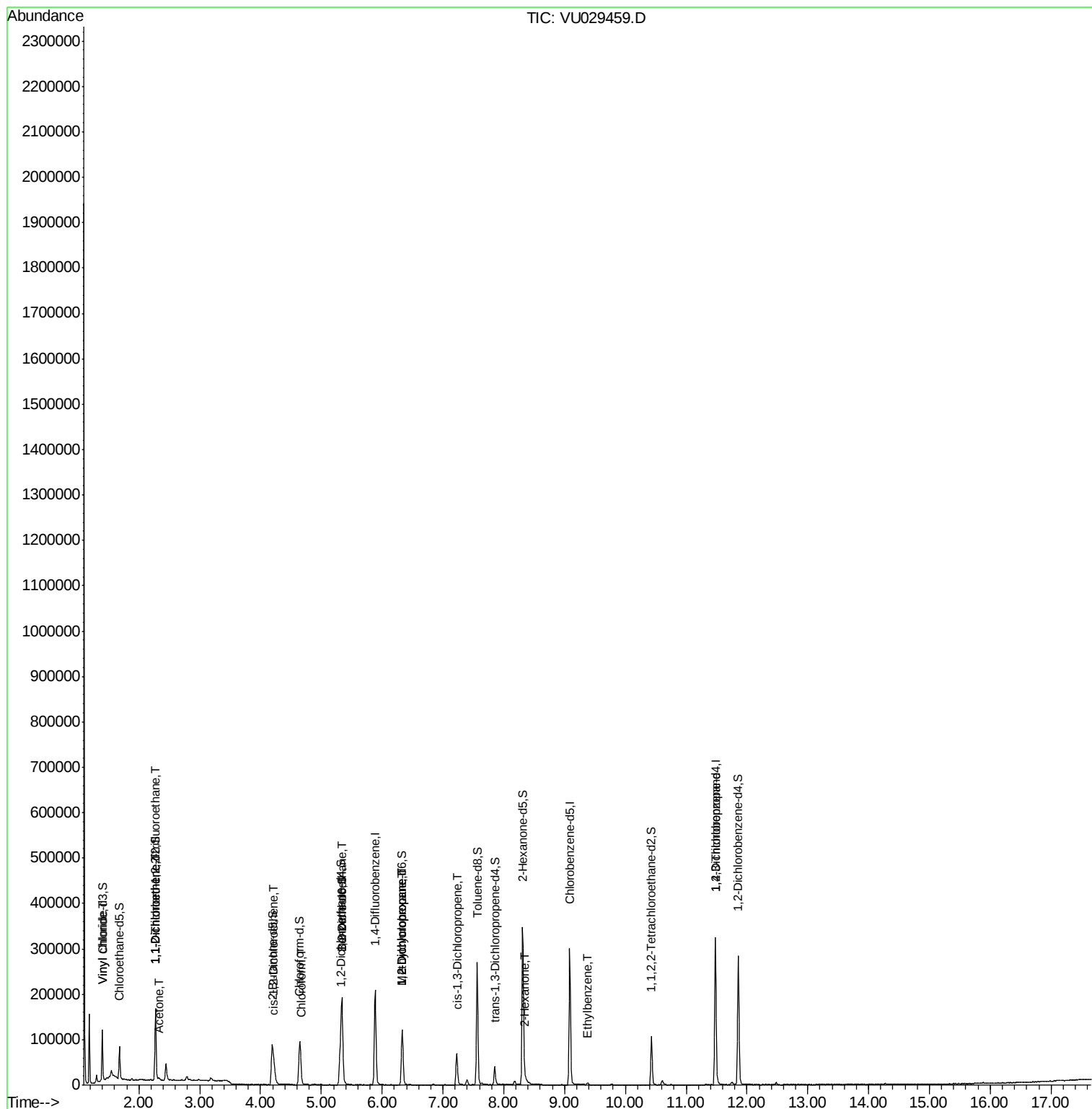
					Qvalue	
5) Vinyl chloride	1.40	62	17086	0.931	ug/L #	73
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	758	0.046	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	1065	0.068	ug/L #	1
13) Acetone	2.32	43	4811	1.989	ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	15392	1.000	ug/L	99
25) Chloroform	4.68	83	1860	0.074	ug/L	85
27) 1,2-Dichloroethane	5.33	62	759	0.052	ug/L #	72
35) Methylcyclohexane	6.33	83	14656	0.588	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6496	0.492	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1653	0.080	ug/L #	78
48) 2-Hexanone	8.36	43	1565	0.282	ug/L #	53
52) Ethylbenzene	9.38	91	2789	0.042	ug/L	91
59) 1,2,3-Trichloropropane	11.48	75	9203	1.086	ug/L	89

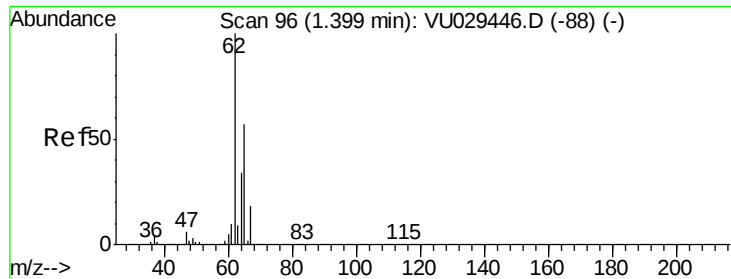
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.931 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029459.D

Acq: 14 Feb 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

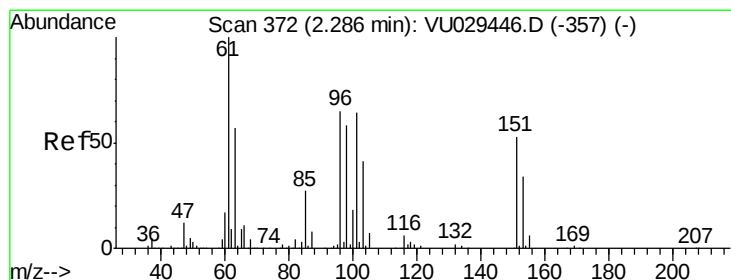
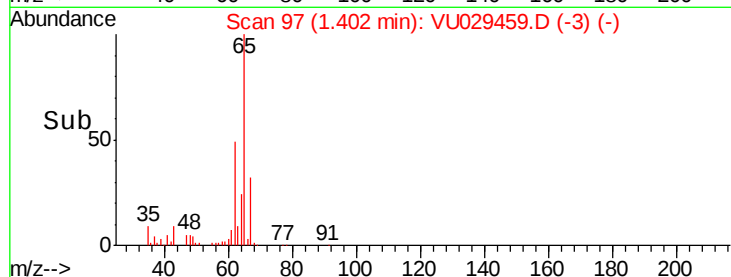
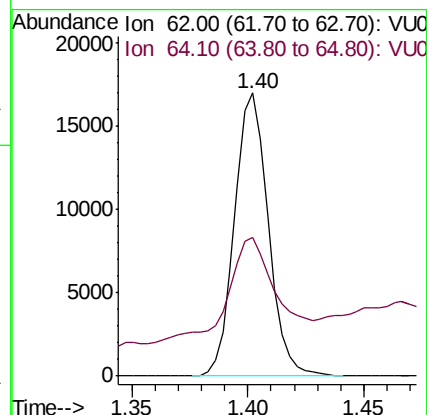
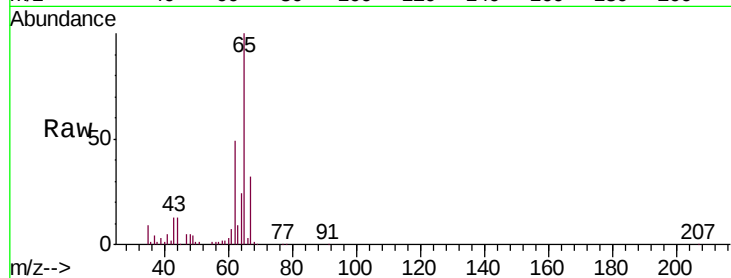
ESXB1

Tgt Ion: 62 Resp: 17086

Ion Ratio Lower Upper

62 100

64 48.8 23.5 43.7#



#10

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

Concen: 0.046 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029459.D

Acq: 14 Feb 2019 15:43

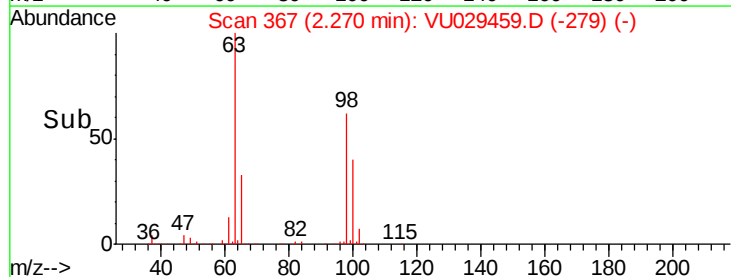
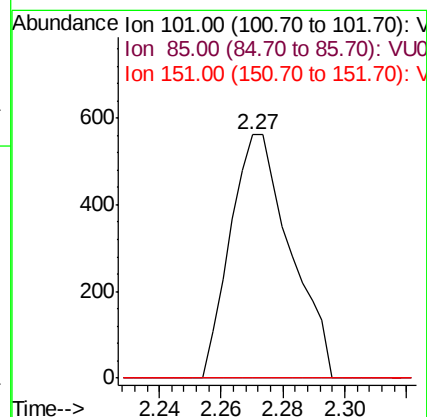
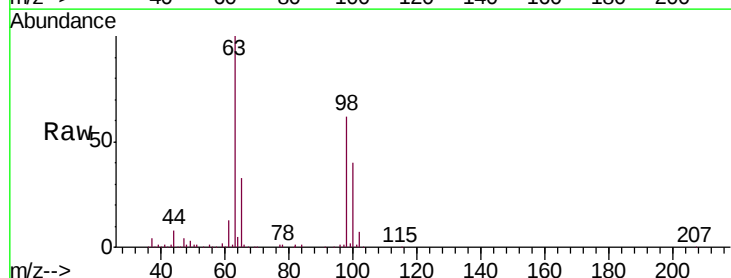
Tgt Ion: 101 Resp: 758

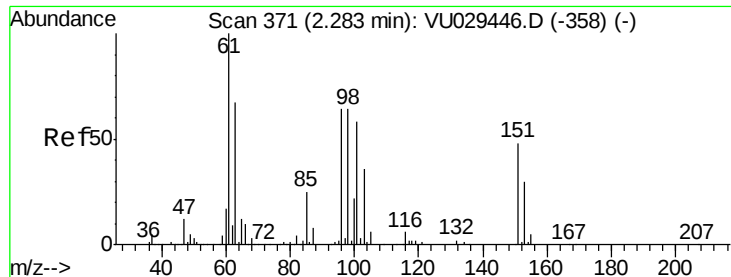
Ion Ratio Lower Upper

101 100

85 5.8 35.1 52.7#

151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029459.D

Acq: 14 Feb 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

ESXB1

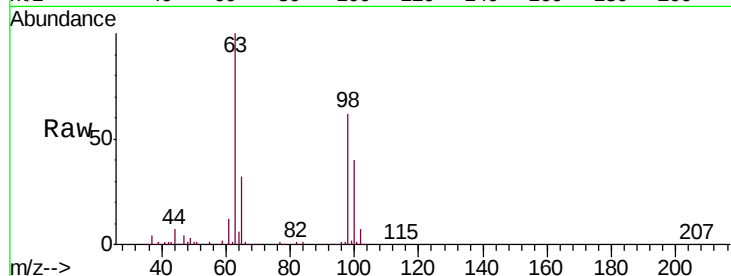
Tgt Ion: 96 Resp: 1065

Ion Ratio Lower Upper

96 100

61 1129.0 115.1 213.7#

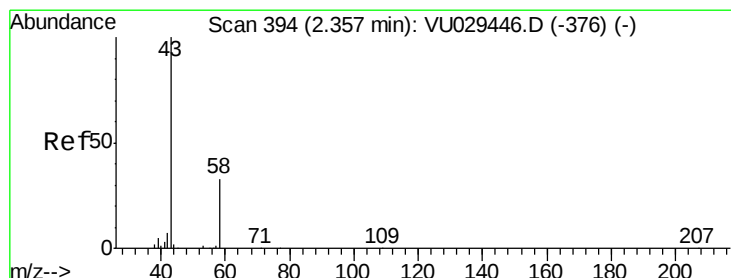
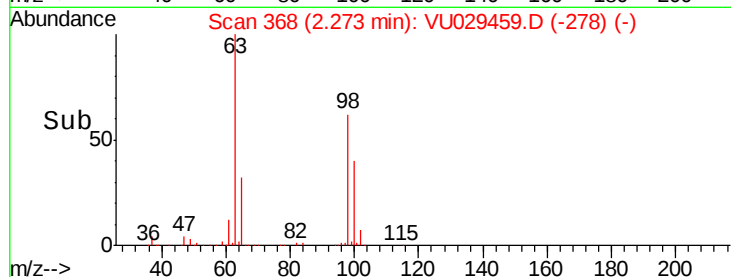
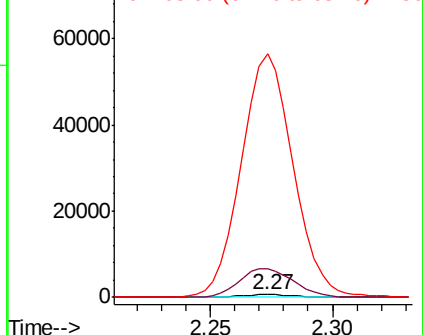
63 9521.8 83.5 155.1#



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: 1.989 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.03 min

Lab File: VU029459.D

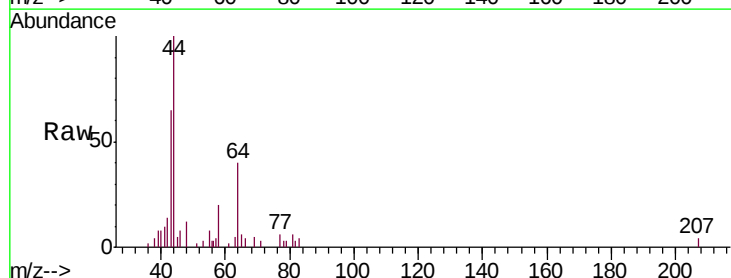
Acq: 14 Feb 2019 15:43

Tgt Ion: 43 Resp: 4811

Ion Ratio Lower Upper

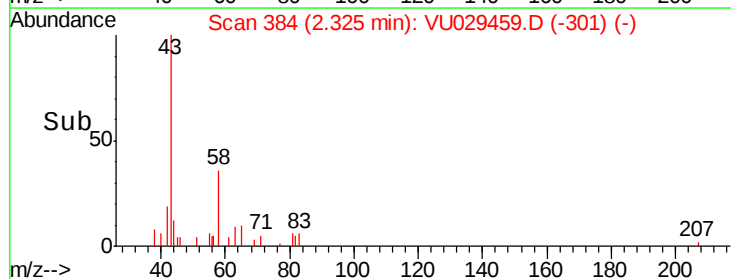
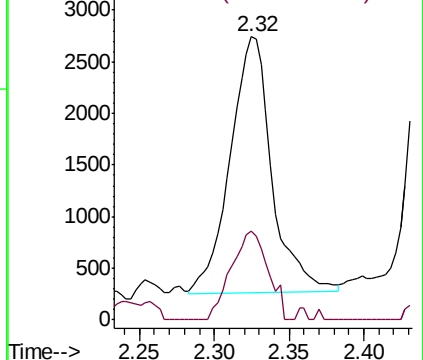
43 100

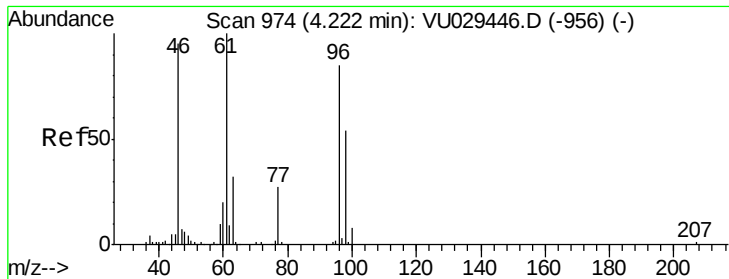
58 30.7 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



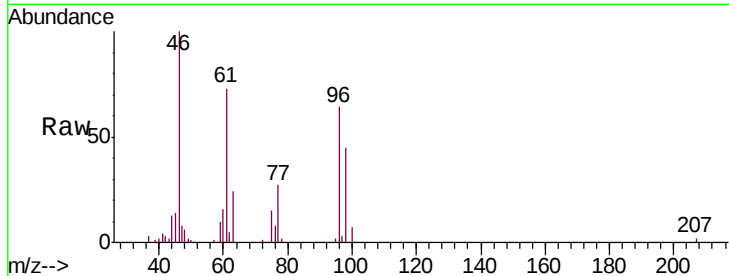


#22

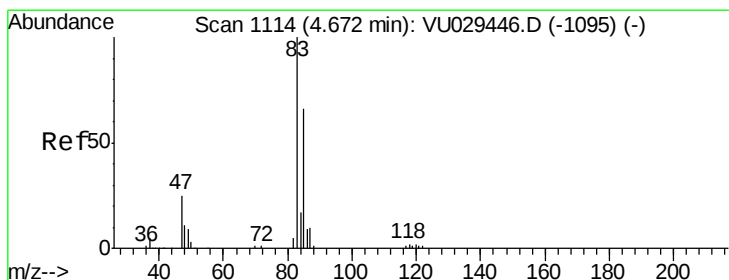
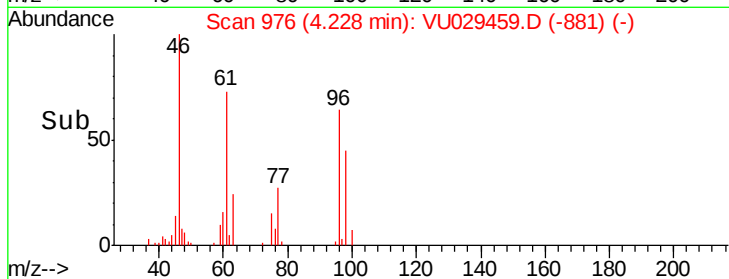
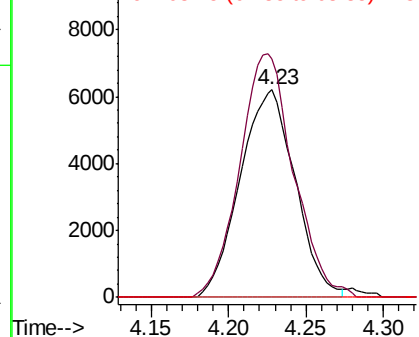
cis-1,2-Dichloroethene
Concen: 1.000 ug/L
RT: 4.23 min Scan# 976
Delta R.T. 0.01 min
Lab File: VU029459.D
Acq: 14 Feb 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
ESXB1

Tgt Ion: 96 Resp: 15392
Ion Ratio Lower Upper
96 100
61 115.0 79.9 148.5
68 0.0 0.0 0.0



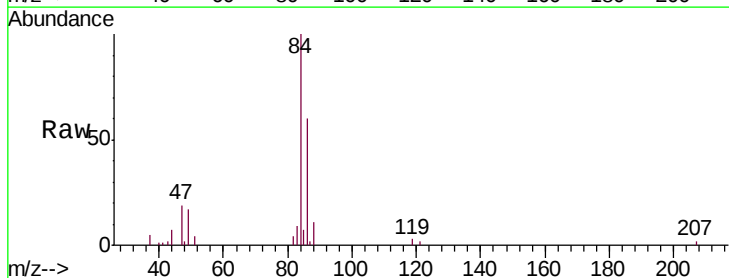
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



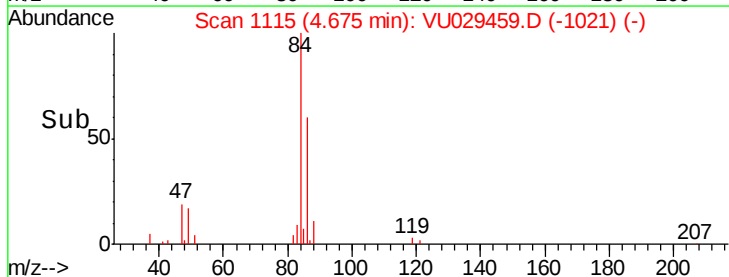
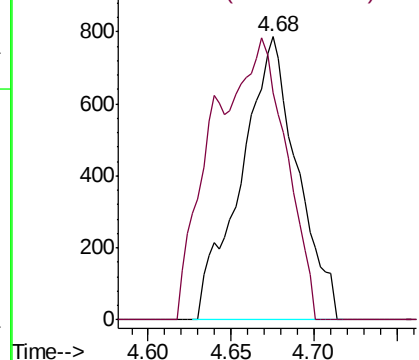
#25

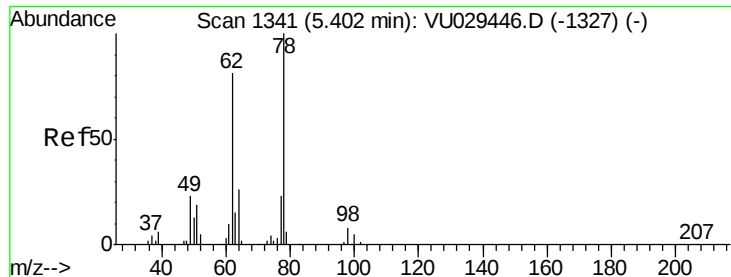
Chloroform
Concen: 0.074 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VU029459.D
Acq: 14 Feb 2019 15:43

Tgt Ion: 83 Resp: 1860
Ion Ratio Lower Upper
83 100
85 80.3 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

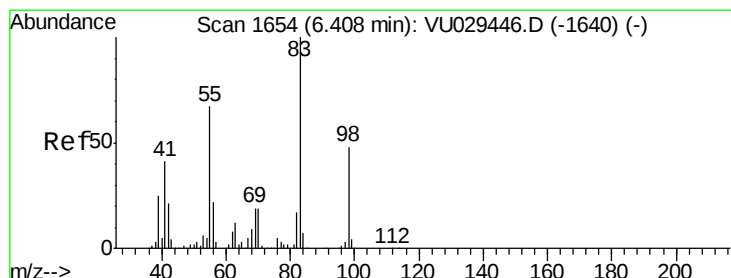
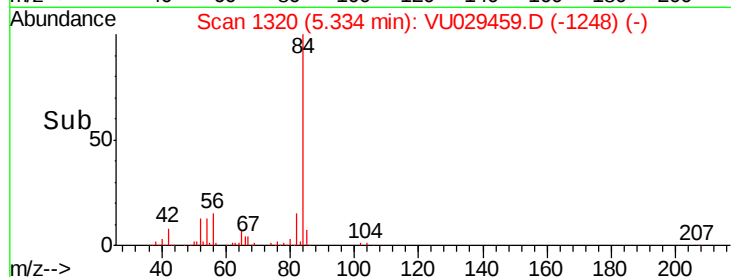
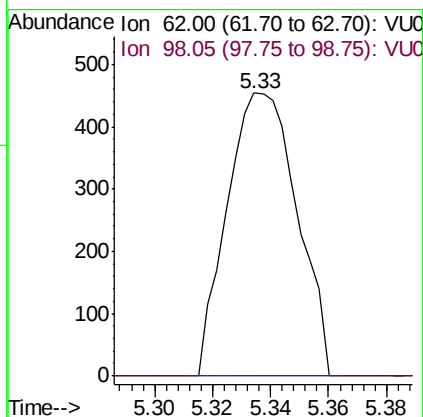
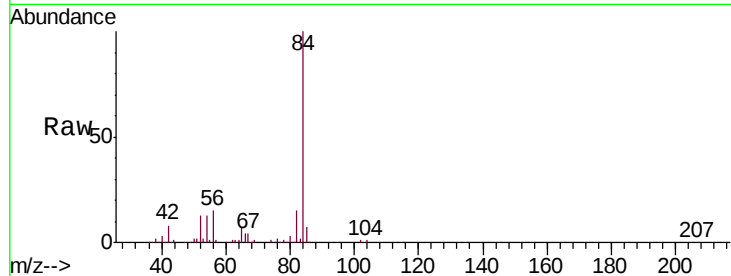




#27
 1,2-Dichloroethane
 Concen: 0.052 ug/L
 RT: 5.33 min Scan# 1320
 Delta R.T. -0.07 min
 Lab File: VU029459.D
 Acq: 14 Feb 2019 15:43

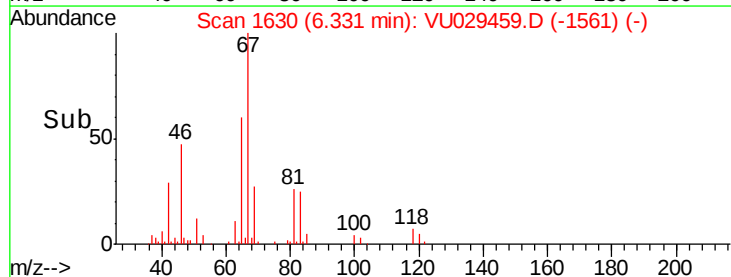
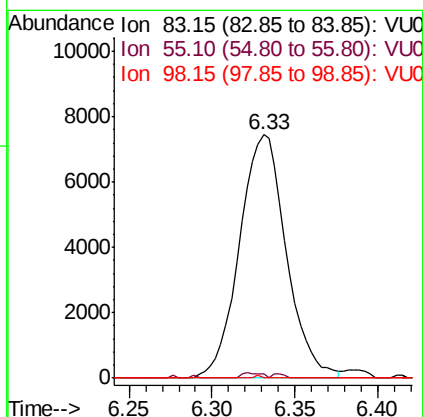
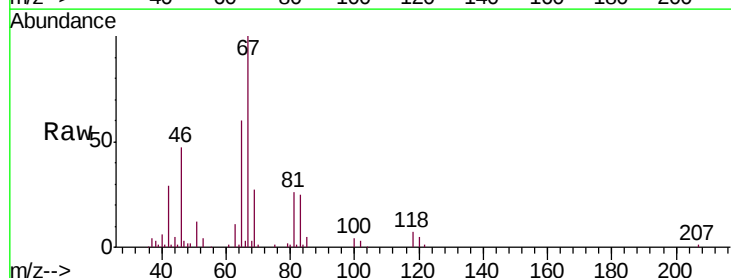
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXB1

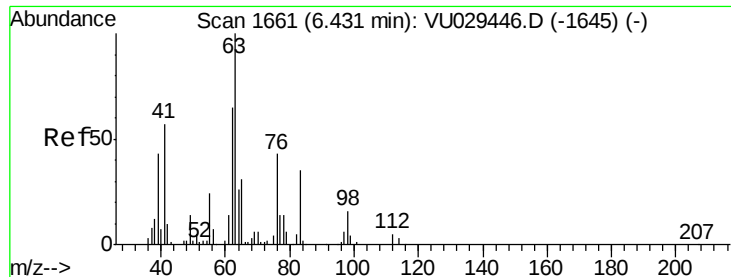
Tgt Ion: 62 Resp: 759
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.4 12.6#



#35
 Methylcyclohexane
 Concen: 0.588 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.08 min
 Lab File: VU029459.D
 Acq: 14 Feb 2019 15:43

Tgt Ion: 83 Resp: 14656
 Ion Ratio Lower Upper
 83 100
 55 0.9 55.9 83.9#
 98 0.1 38.6 57.8#





#37

1,2-Dichloropropane

Concen: 0.492 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029459.D

Acq: 14 Feb 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

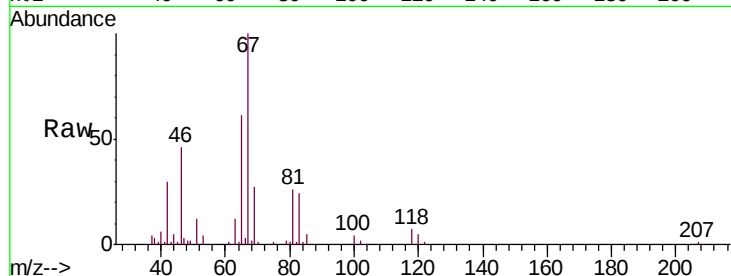
ESXB1

Tgt Ion: 63 Resp: 6496

Ion Ratio Lower Upper

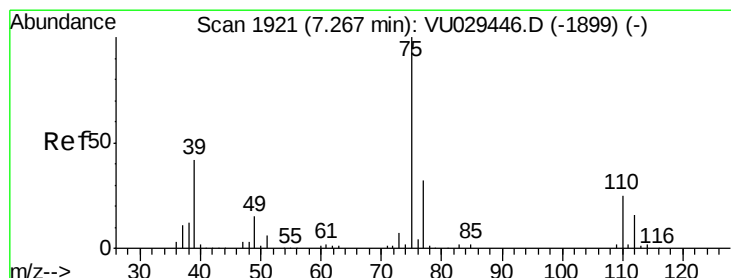
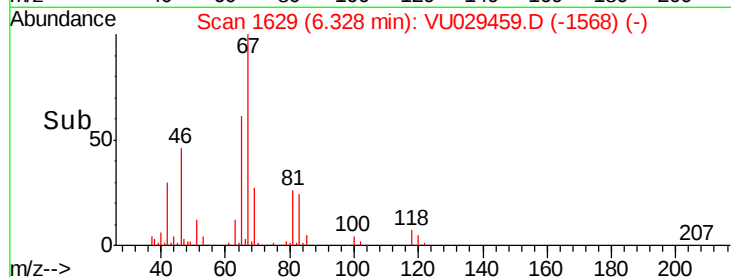
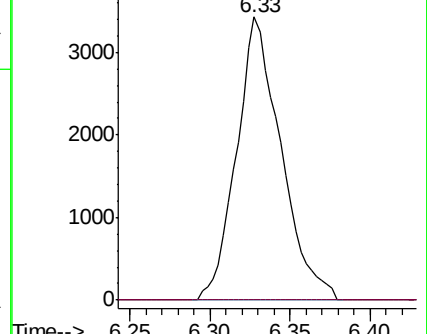
63 100

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: 0.080 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029459.D

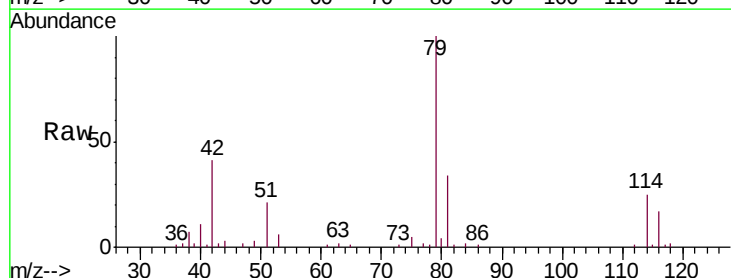
Acq: 14 Feb 2019 15:43

Tgt Ion: 75 Resp: 1653

Ion Ratio Lower Upper

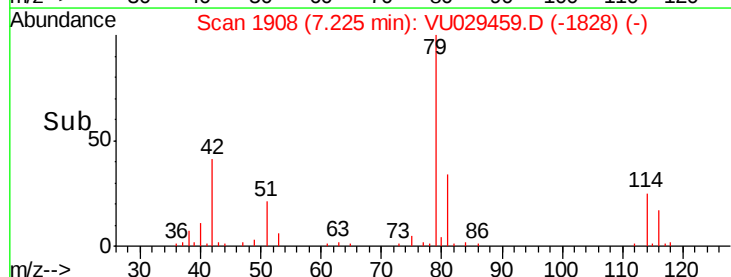
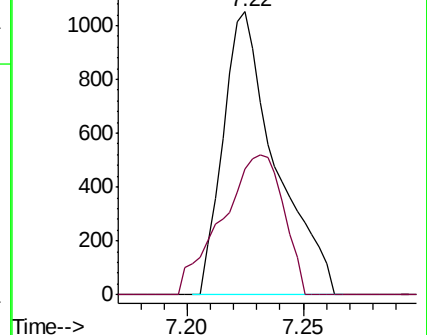
75 100

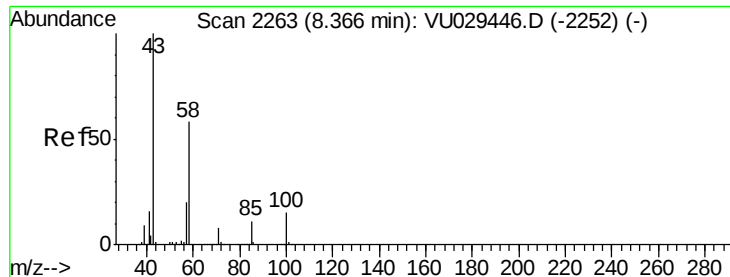
77 44.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

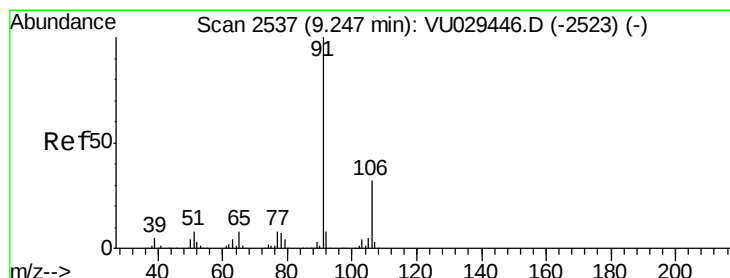
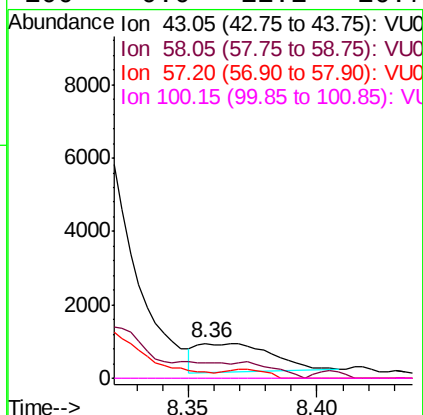
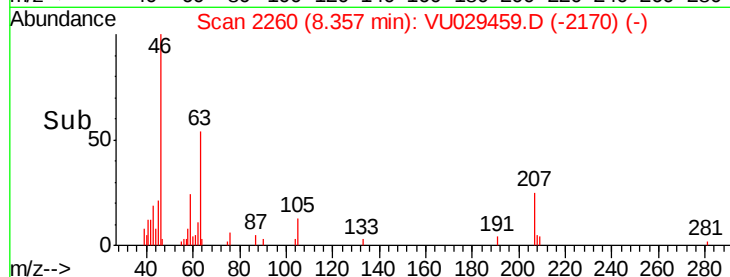
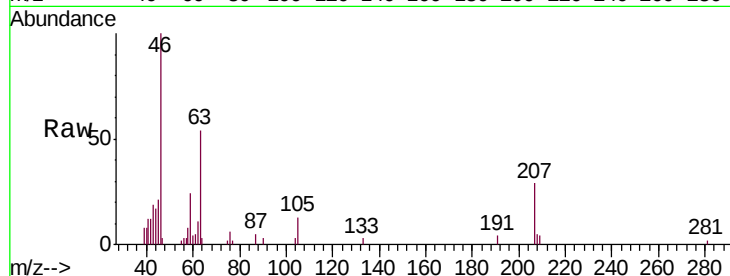




#48
2-Hexanone
Concen: 0.282 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.01 min
Lab File: VU029459.D
Acq: 14 Feb 2019 15:43

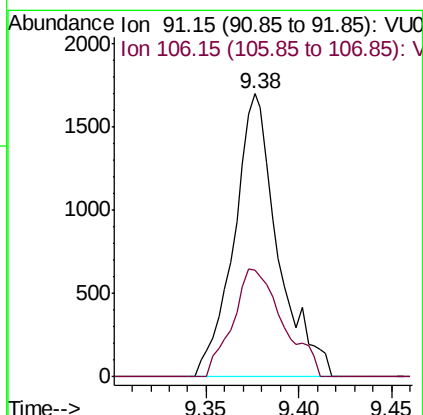
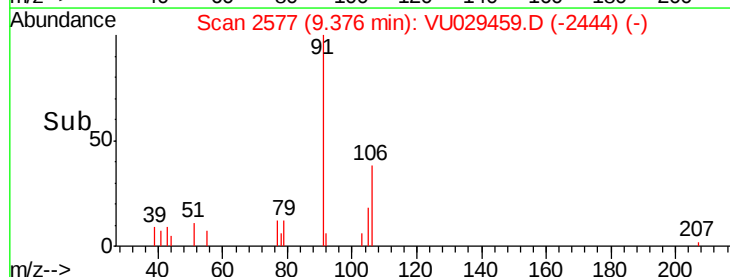
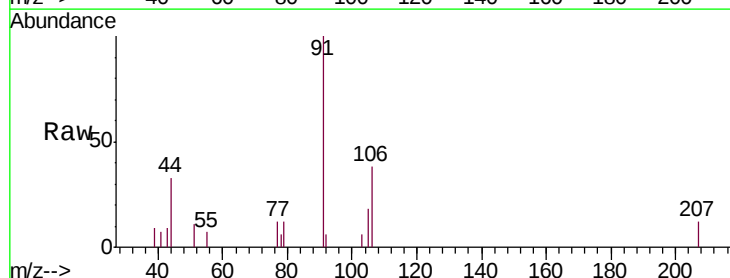
Instrument :
MSVOA_U
ClientSampled :
ESXB1

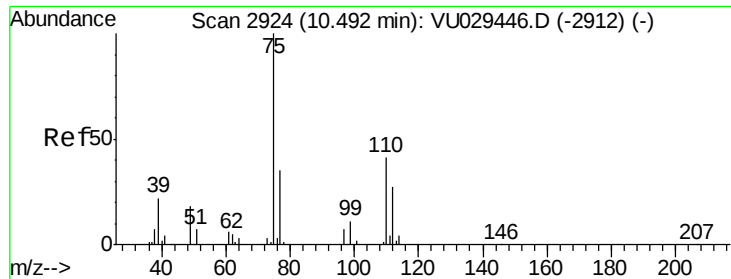
Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
58 9.9 45.7 68.5#
57 17.5 16.4 24.6
100 0.0 11.1 16.7#



#52
Ethylbenzene
Concen: 0.042 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.13 min
Lab File: VU029459.D
Acq: 14 Feb 2019 15:43

Tgt Ion: 91 Resp: 2789
Ion Ratio Lower Upper
91 100
106 37.9 22.8 42.4





#59

1,2,3-Trichloropropane

Concen: 1.086 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029459.D

Acq: 14 Feb 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

ESXB1

Tgt Ion: 75 Resp: 9203

Ion Ratio Lower Upper

75 100

77 41.9 28.2 42.2

