

Data File : VU029408.D
Acq On : 11 Feb 2019 19:56
Operator : JC/SP
Sample : K1436-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA2

Quant Time: Feb 12 01:25:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198288	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	187207	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	100740	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73002	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.68	69	62059	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.27	63	114129	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.19	46	145785	55.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.62%
24) Chloroform-d	4.65	84	115173	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.31	65	59637	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.34	84	243450	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.33	67	74216	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.56	98	236946	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.85	79	30292	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.31	63	145966	54.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57564	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	99649	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	1703	0.100	ug/L #	1
8) Chloroethane	1.54	64	53990	5.099	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1269	0.082	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	1293	0.089	ug/L #	1
13) Acetone	2.32	43	4511	2.139	ug/L	100
15) Methyl Acetate	2.44	43	11088	1.882	ug/L #	48
22) cis-1,2-Dichloroethene	4.22	96	1506	0.106	ug/L	97
35) Methylcyclohexane	6.33	83	17470	0.745	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	7610	0.626	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2184	0.111	ug/L #	62
40) 4-Methyl-2-pentanone	7.40	43	4657	0.678	ug/L #	42
42) Toluene	7.64	91	1952	0.036	ug/L #	75
48) 2-Hexanone	8.36	43	2603	0.547	ug/L #	57
52) Ethylbenzene	9.25	91	2118	0.034	ug/L	95
53) m,p-xylene	9.38	106	3897	0.156	ug/L	89
59) 1,2,3-Trichloropropane	11.48	75	10830	1.404	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021119\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

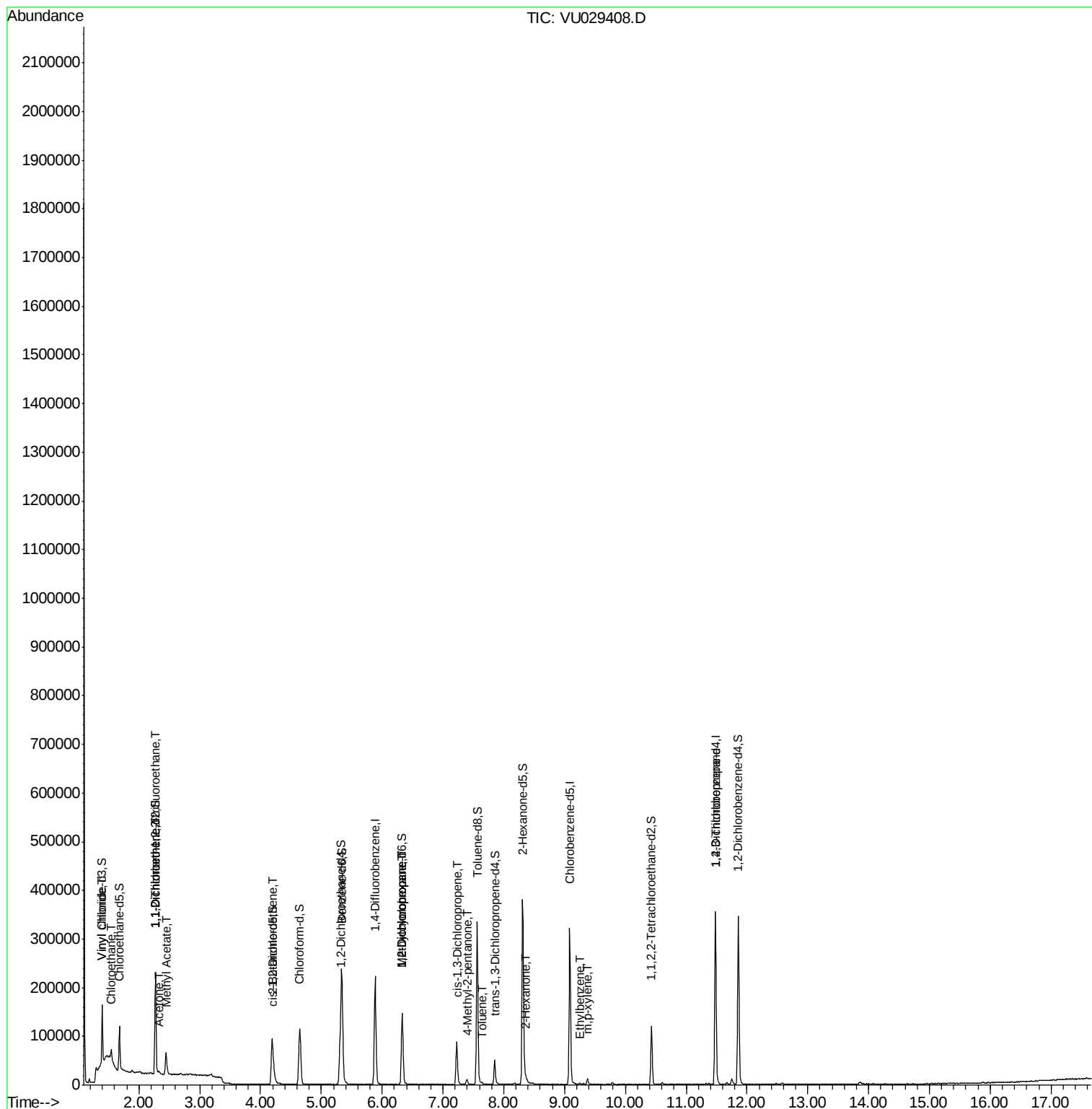
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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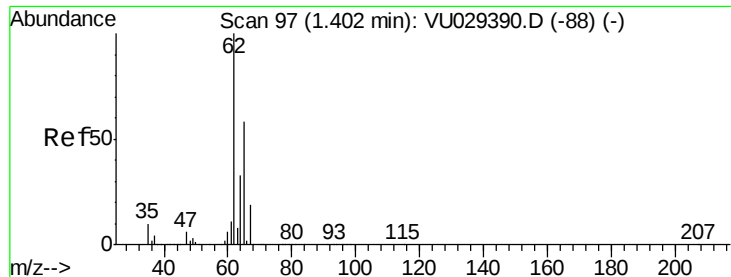
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.100 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029408.D

Acq: 11 Feb 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

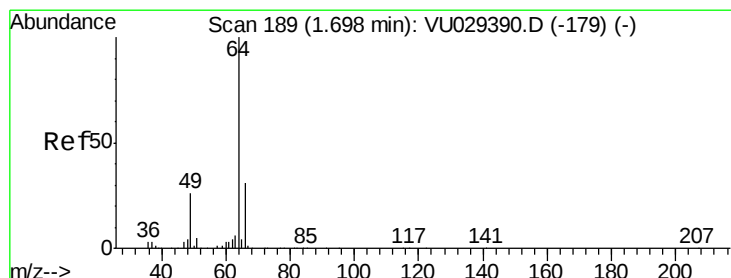
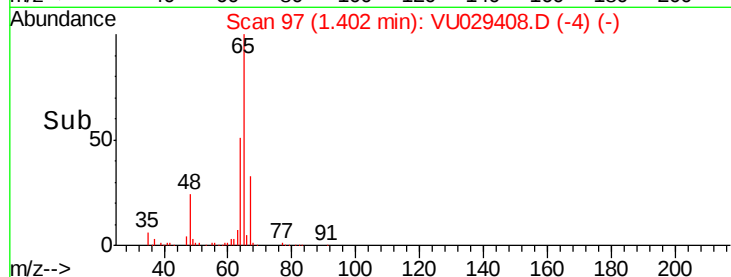
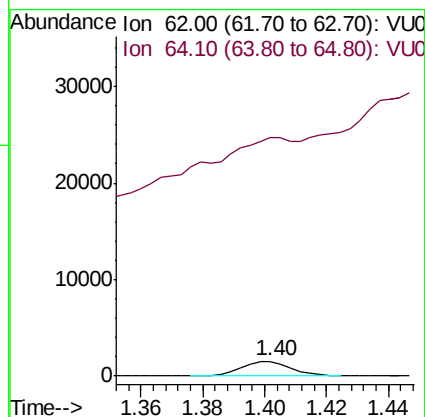
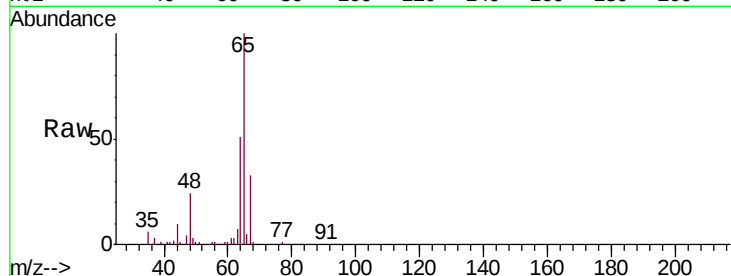
ESXA2

Tgt Ion: 62 Resp: 1703

Ion Ratio Lower Upper

62 100

64 1626.3 23.0 42.6#



#8

Chloroethane

Concen: 5.099 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.15 min

Lab File: VU029408.D

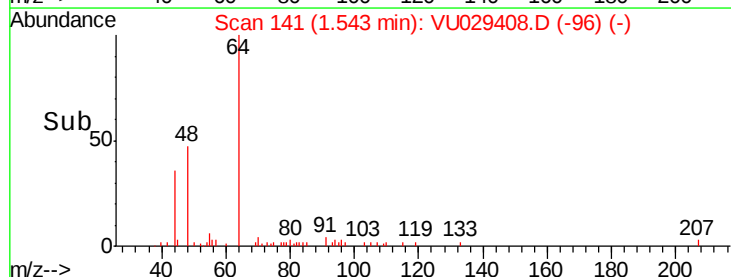
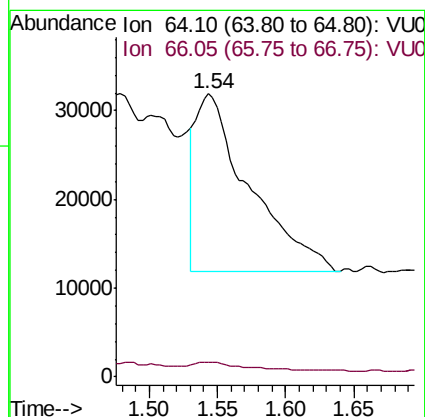
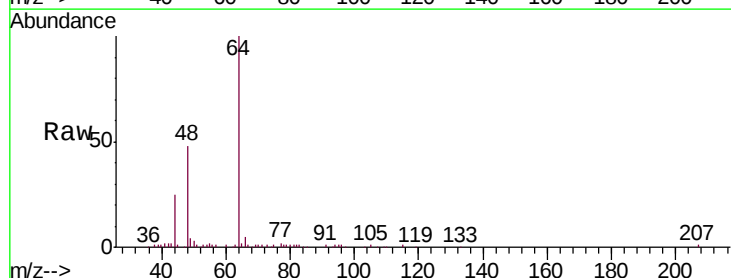
Acq: 11 Feb 2019 19:56

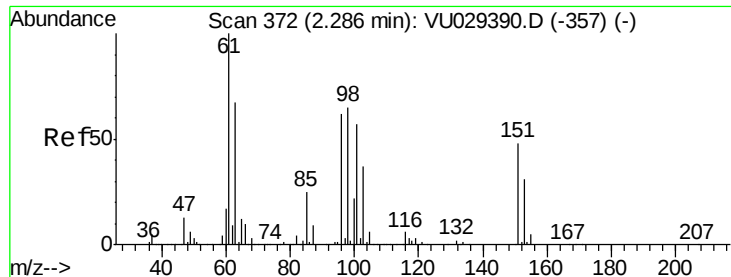
Tgt Ion: 64 Resp: 53990

Ion Ratio Lower Upper

64 100

66 5.1 21.8 40.4#





#10

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

Concen: 0.082 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029408.D

Acq: 11 Feb 2019 19:56

Instrument :

MSVOA_U

ClientSampled :

ESXA2

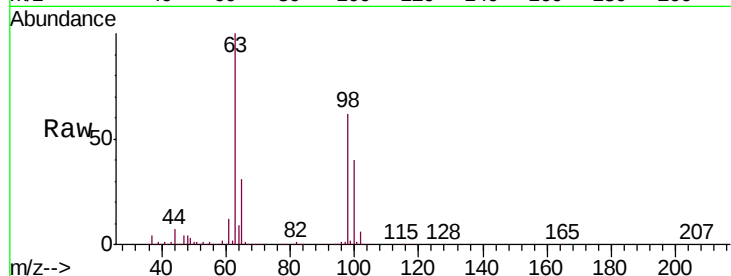
Tgt Ion: 101 Resp: 1269

Ion Ratio Lower Upper

101 100

85 7.5 34.9 52.3#

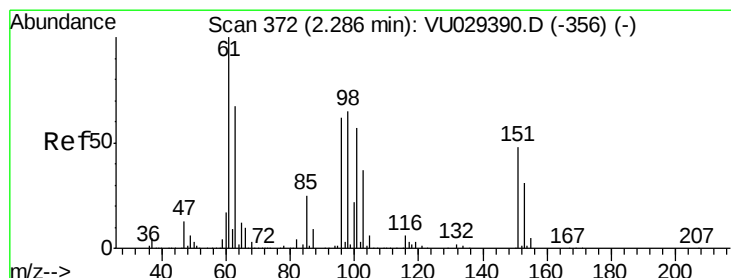
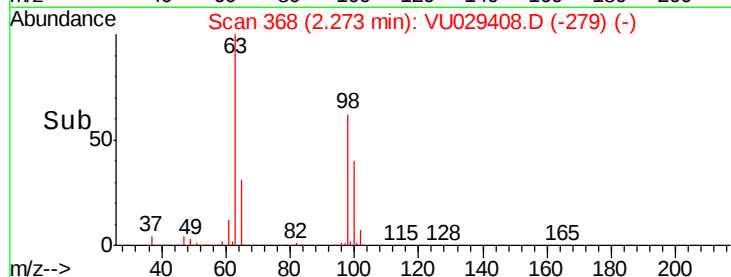
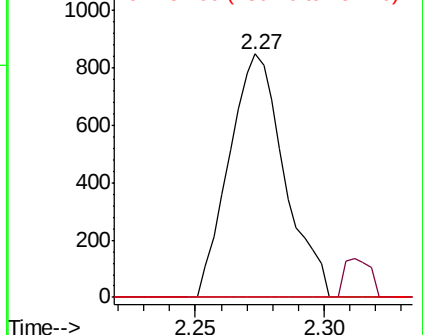
151 0.0 67.0 100.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.089 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029408.D

Acq: 11 Feb 2019 19:56

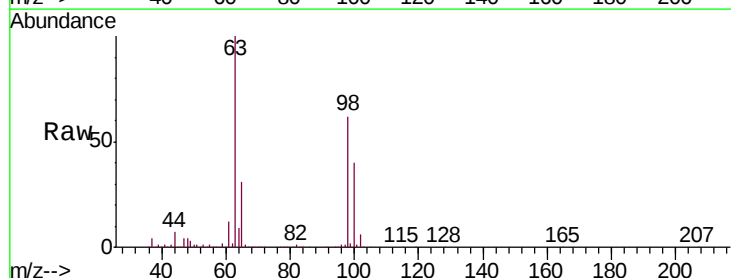
Tgt Ion: 96 Resp: 1293

Ion Ratio Lower Upper

96 100

61 1375.1 112.4 208.8#

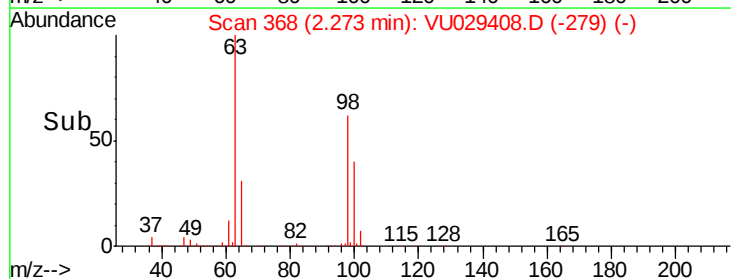
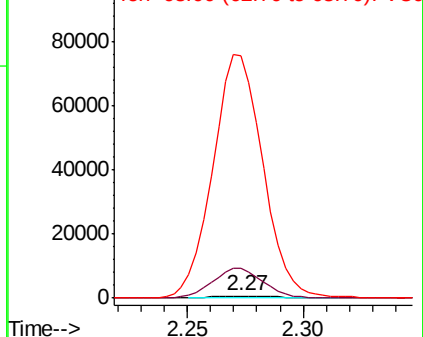
63 11169.2 75.5 140.3#

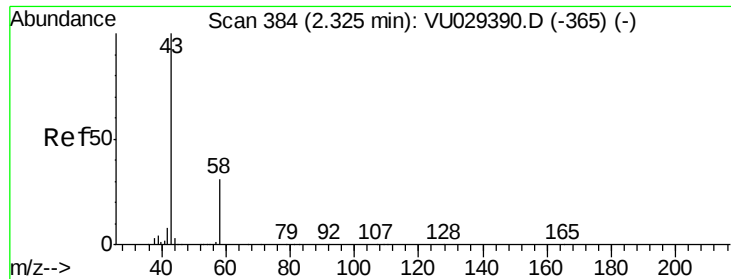


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.139 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029408.D

Acq: 11 Feb 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

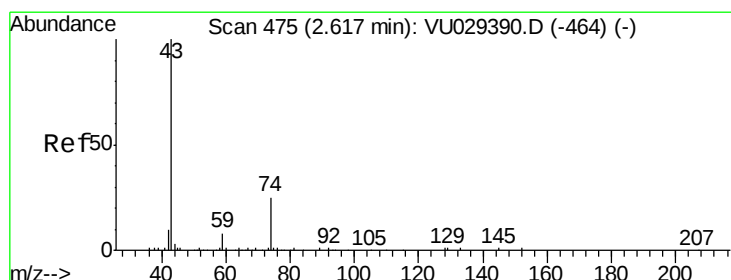
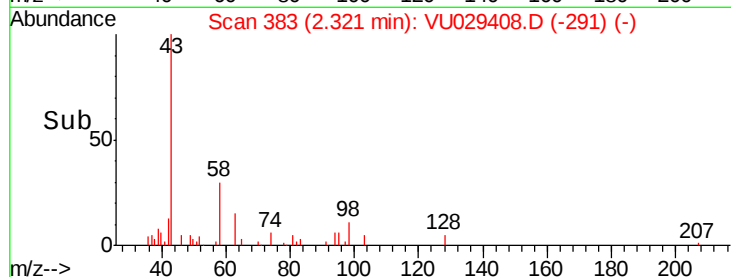
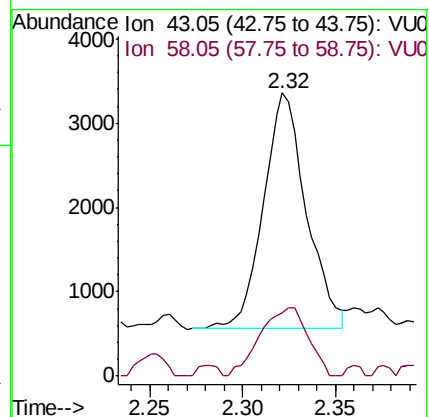
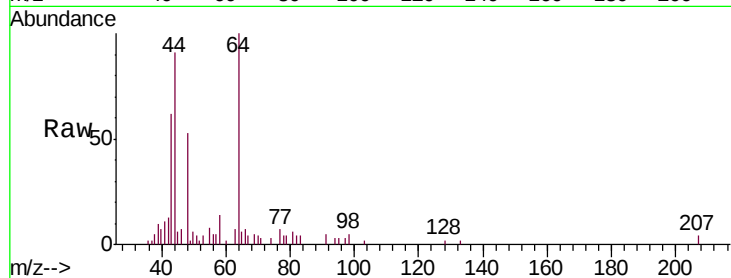
ESXA2

Tgt Ion: 43 Resp: 4511

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.2



#15

Methyl Acetate

Concen: 1.882 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.17 min

Lab File: VU029408.D

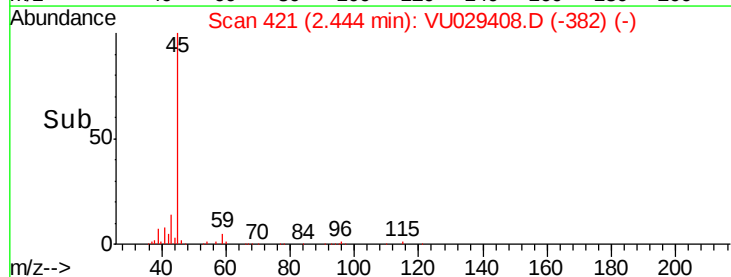
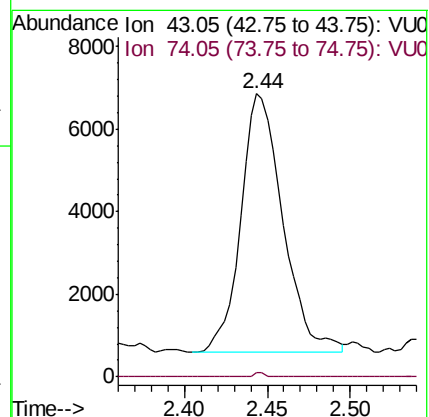
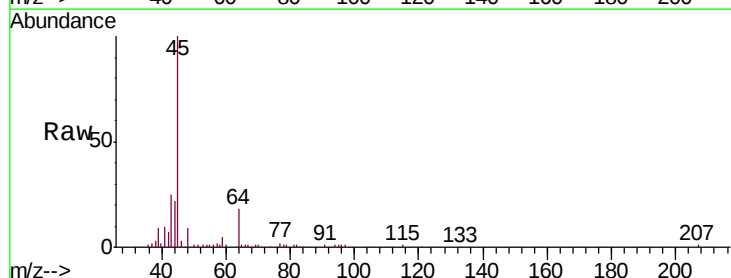
Acq: 11 Feb 2019 19:56

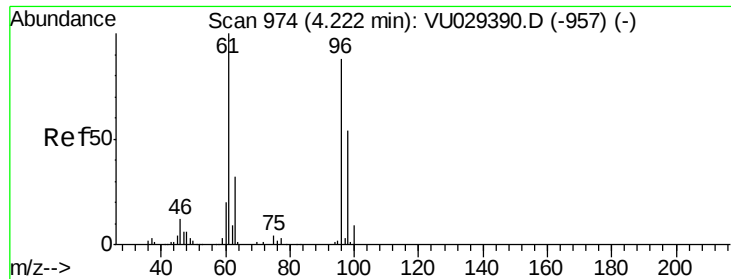
Tgt Ion: 43 Resp: 11088

Ion Ratio Lower Upper

43 100

74 0.4 21.8 32.8#



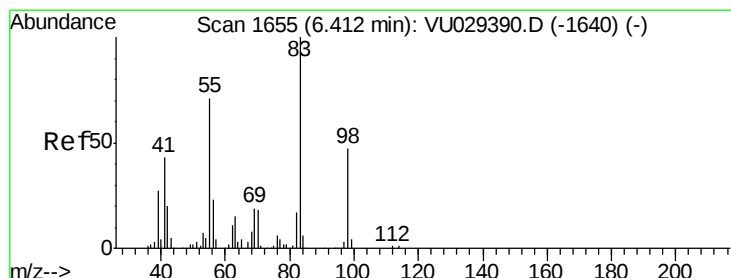
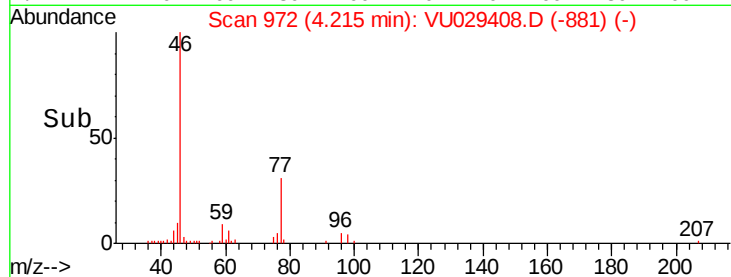
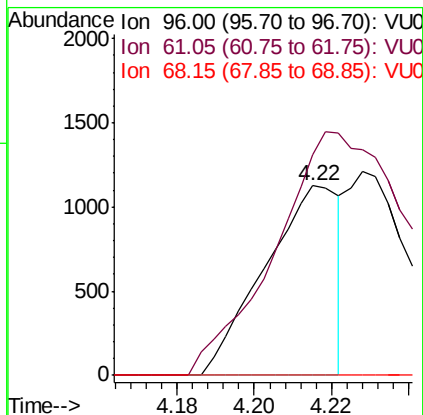
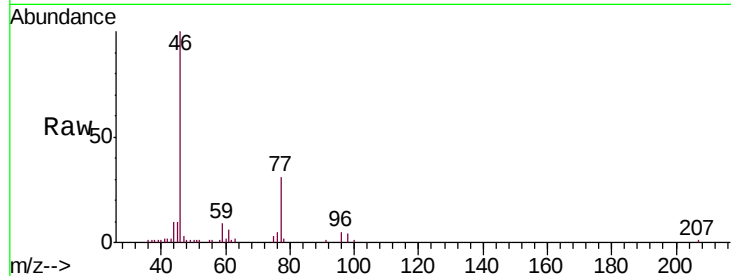


#22

cis-1,2-Dichloroethene
 Concen: 0.106 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VU029408.D
 Acq: 11 Feb 2019 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXA2

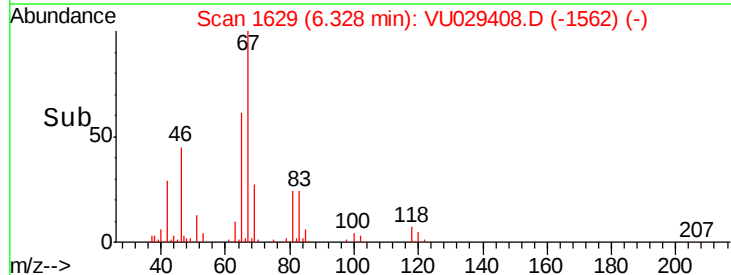
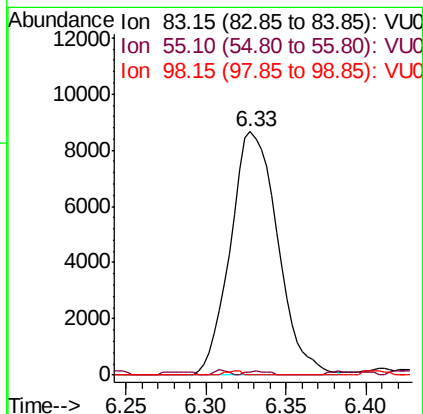
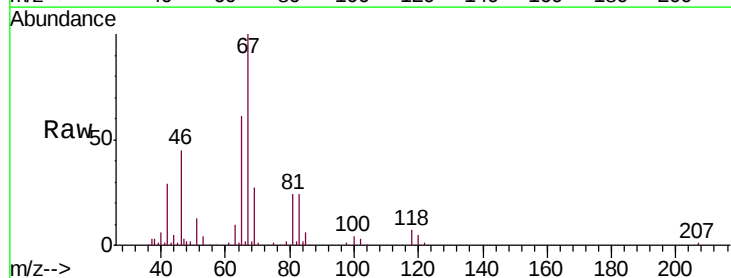
Tgt Ion: 96 Resp: 1506
 Ion Ratio Lower Upper
 96 100
 61 116.7 79.4 147.4
 68 0.0 0.0 0.0

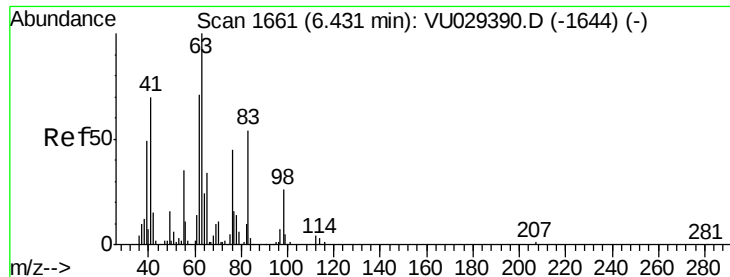


#35

Methylcyclohexane
 Concen: 0.745 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU029408.D
 Acq: 11 Feb 2019 19:56

Tgt Ion: 83 Resp: 17470
 Ion Ratio Lower Upper
 83 100
 55 0.8 55.3 82.9#
 98 0.6 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.626 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029408.D

Acq: 11 Feb 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

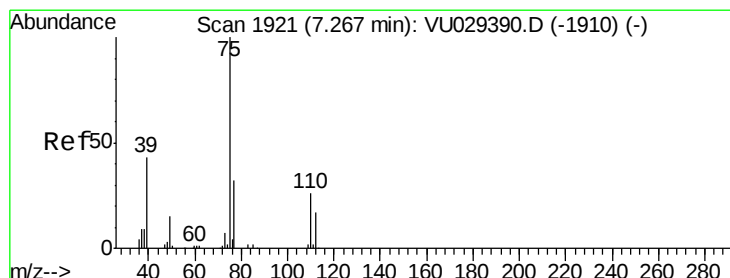
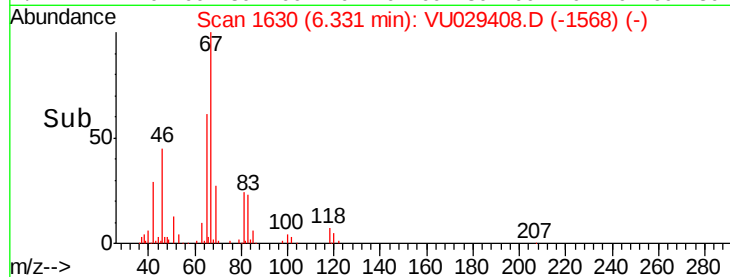
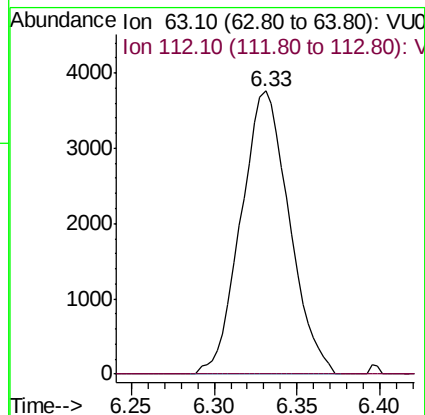
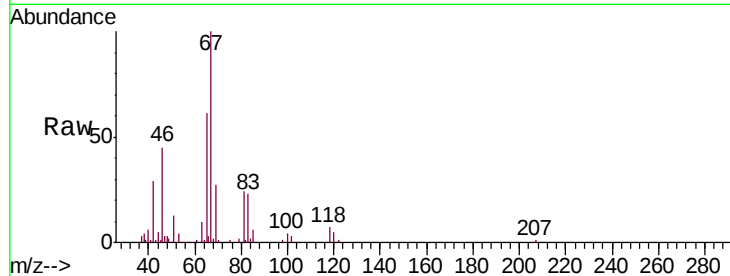
ESXA2

Tgt Ion: 63 Resp: 7610

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029408.D

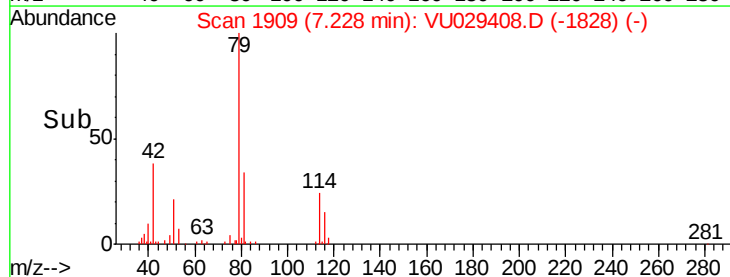
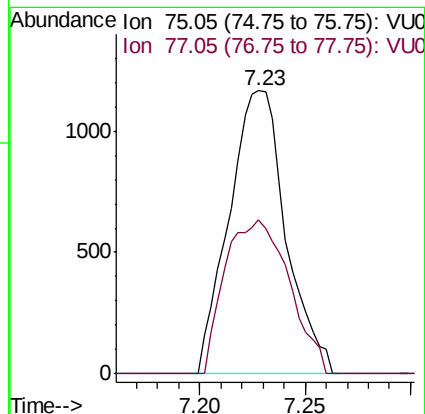
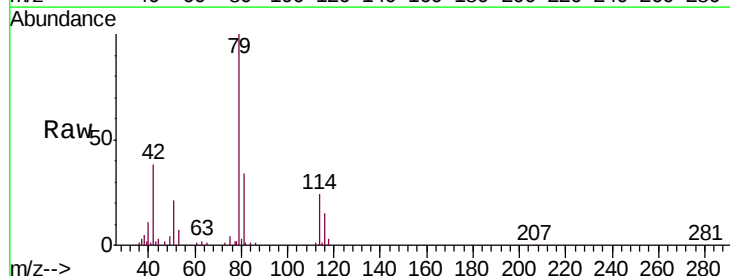
Acq: 11 Feb 2019 19:56

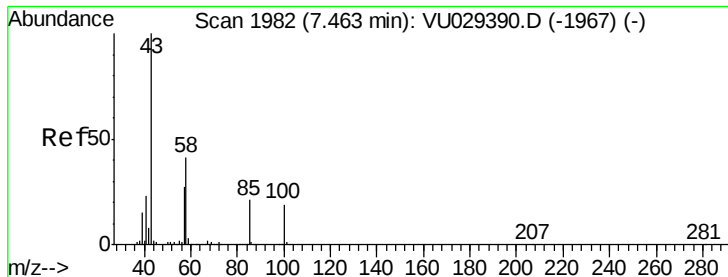
Tgt Ion: 75 Resp: 2184

Ion Ratio Lower Upper

75 100

77 54.3 22.9 42.5#

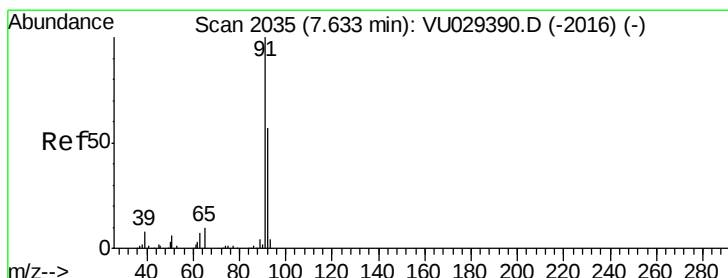
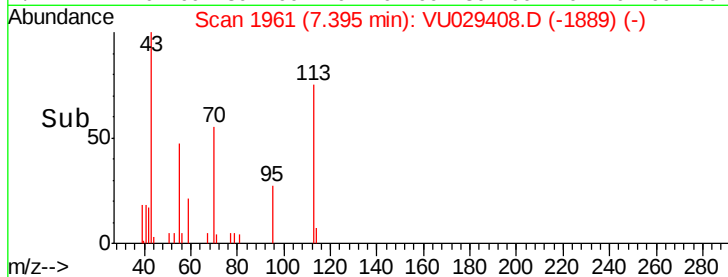
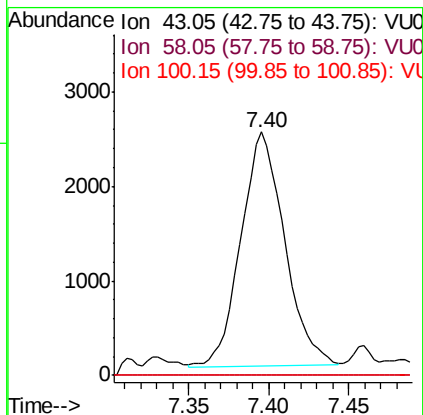
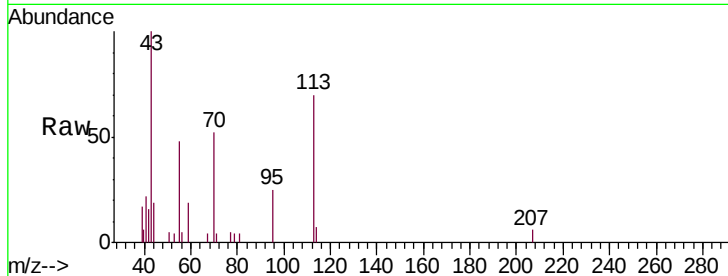




#40
 4-Methyl-2-pentanone
 Concen: 0.678 ug/L
 RT: 7.40 min Scan# 1961
 Delta R.T. -0.07 min
 Lab File: VU029408.D
 Acq: 11 Feb 2019 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXA2

Tgt Ion: 43 Resp: 4657
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.0 49.4#
 100 0.0 14.6 21.8#



#42
 Toluene
 Concen: 0.036 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU029408.D
 Acq: 11 Feb 2019 19:56

Tgt Ion: 91 Resp: 1952
 Ion Ratio Lower Upper
 91 100
 92 38.5 39.7 73.7#

