

Data File : VU029409.D
Acq On : 11 Feb 2019 20:19
Operator : JC/SP
Sample : K1436-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA3

Quant Time: Feb 12 01:25:19 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	204023	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	193462	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72493	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.68	69	60807	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.27	63	113605	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.19	46	146985	54.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.40%
24) Chloroform-d	4.65	84	116447	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.31	65	58519	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.34	84	243317	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.33	67	72669	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.56	98	237274	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.85	79	30801	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.31	63	147357	53.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58866	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	101244	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

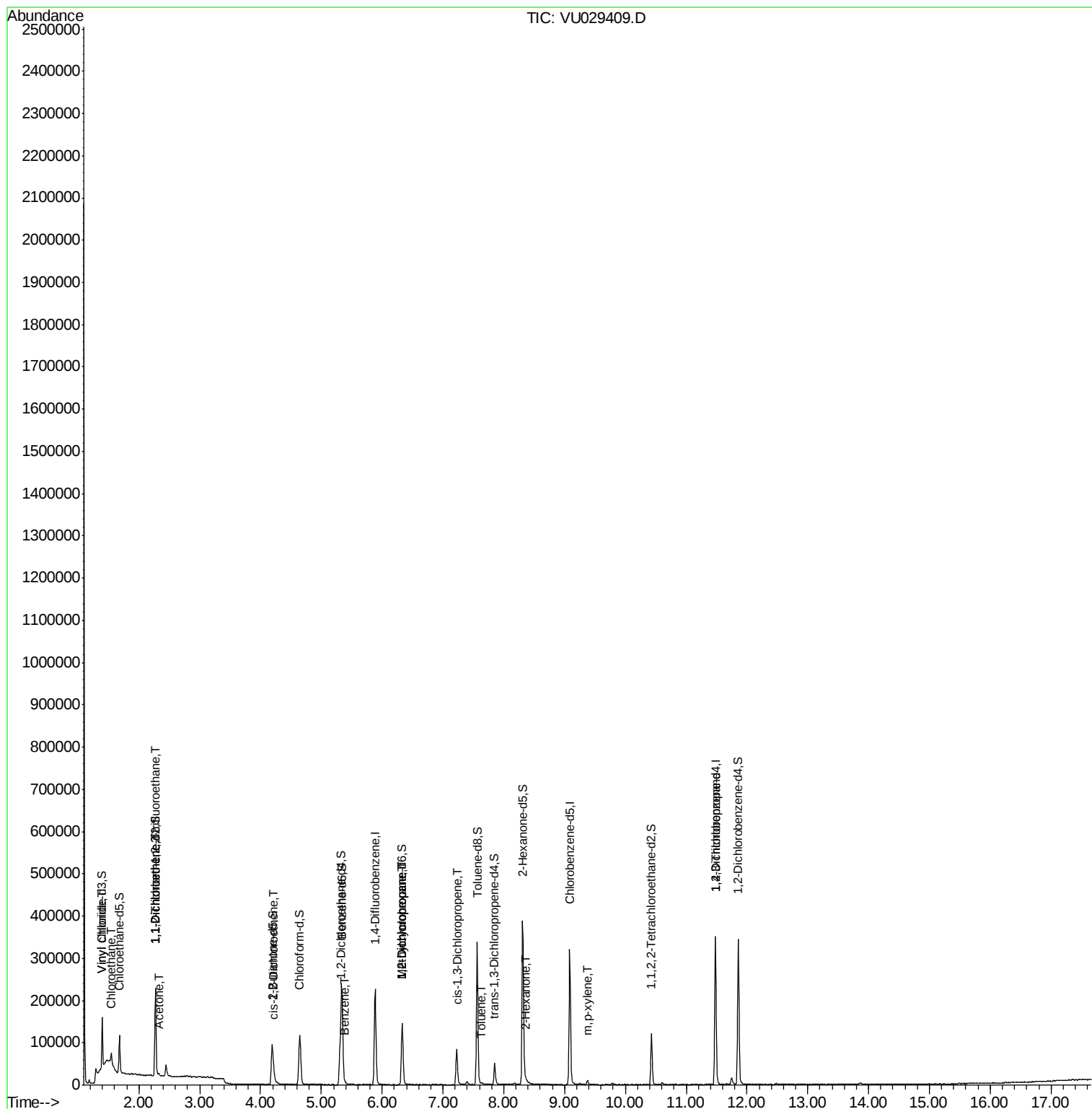
					Qvalue
5) Vinyl chloride	1.40	62	2016	0.115 ug/L #	1
8) Chloroethane	1.54	64	65064	5.972 ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1009	0.063 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1496	0.100 ug/L #	1
13) Acetone	2.32	43	4409	2.031 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	3284	0.225 ug/L	97
33) Benzene	5.39	78	2925	0.059 ug/L	100
35) Methylcyclohexane	6.33	83	16903	0.697 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7531	0.600 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2122	0.105 ug/L #	43
42) Toluene	7.64	91	1987	0.035 ug/L #	75
48) 2-Hexanone	8.36	43	2170	0.442 ug/L #	60
53) m,p-xylene	9.38	106	3781	0.147 ug/L	91
59) 1,2,3-Trichloropropane	11.48	75	9933	1.246 ug/L	94

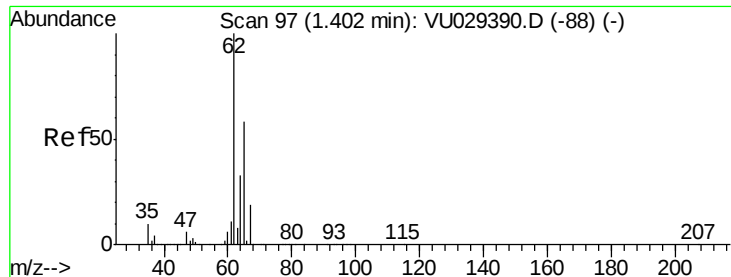
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.115 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

Instrument :

MSVOA_U

ClientSampled :

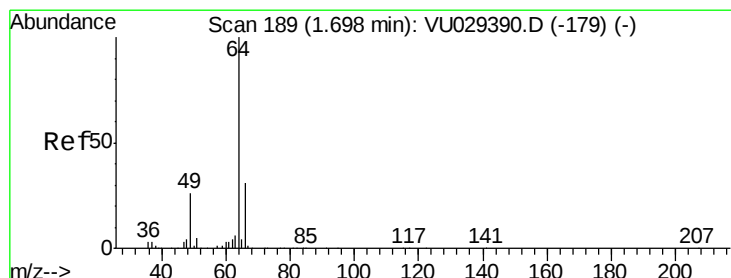
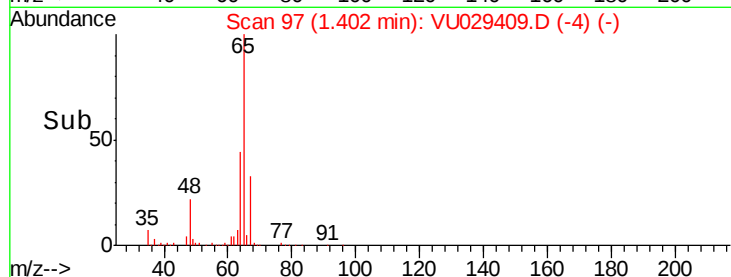
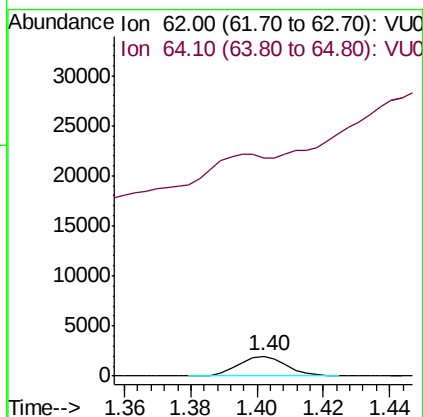
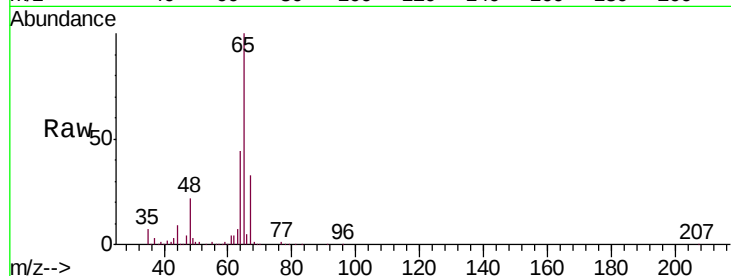
ESXA3

Tgt Ion: 62 Resp: 2016

Ion Ratio Lower Upper

62 100

64 1086.3 23.0 42.6#



#8

Chloroethane

Concen: 5.972 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.15 min

Lab File: VU029409.D

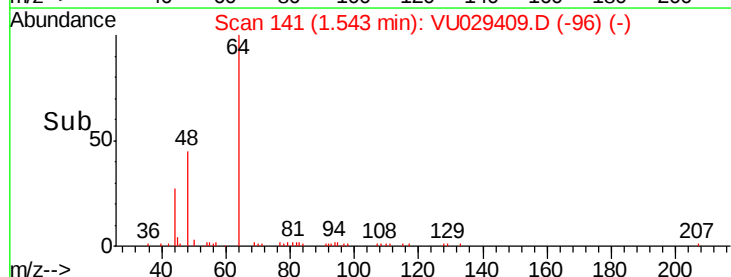
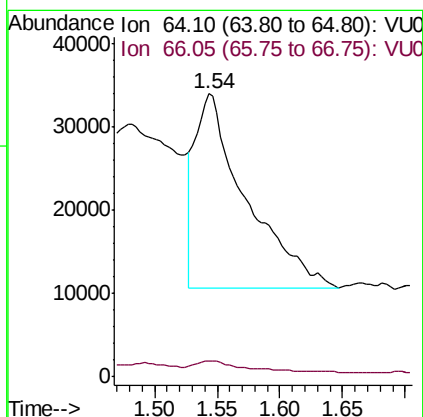
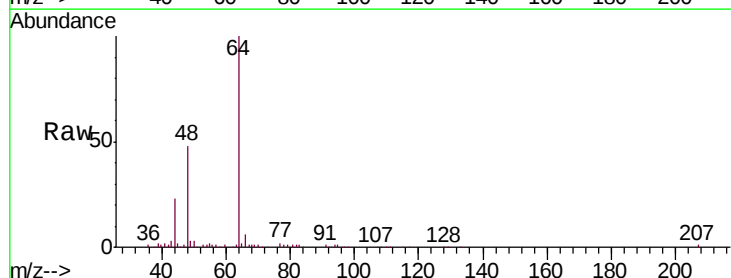
Acq: 11 Feb 2019 20:19

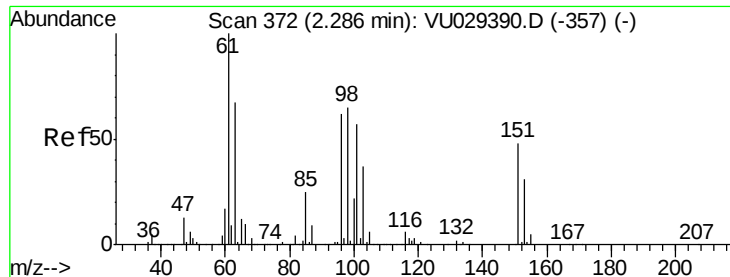
Tgt Ion: 64 Resp: 65064

Ion Ratio Lower Upper

64 100

66 5.6 21.8 40.4#





#10

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

Concen: 0.063 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

ESXA3

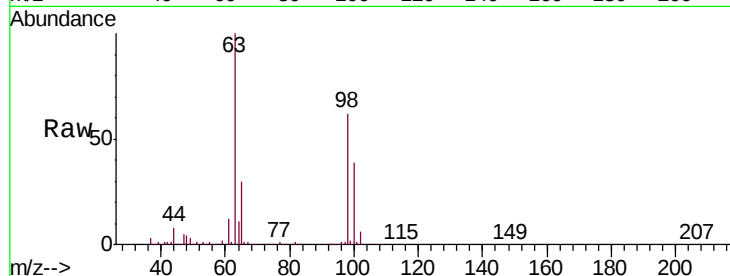
Tgt Ion:101 Resp: 1009

Ion Ratio Lower Upper

101 100

85 2.2 34.9 52.3#

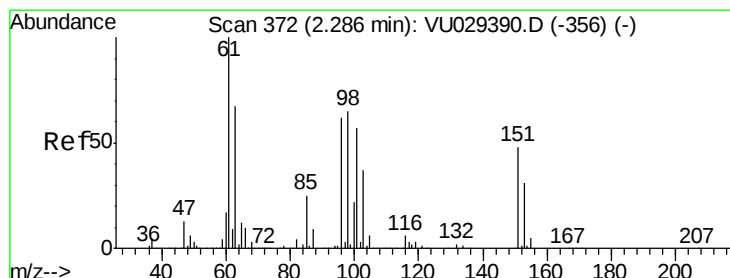
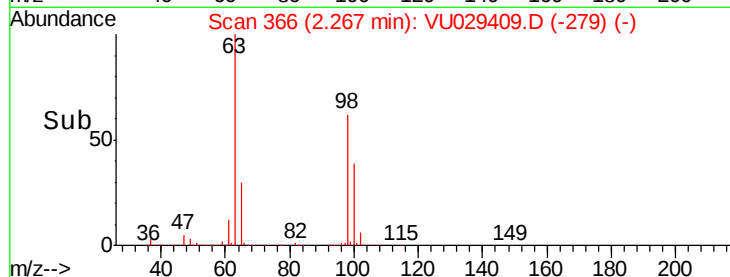
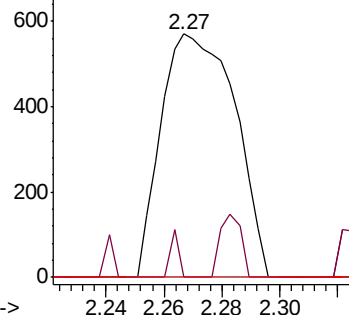
151 0.0 67.0 100.4#



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: 0.100 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

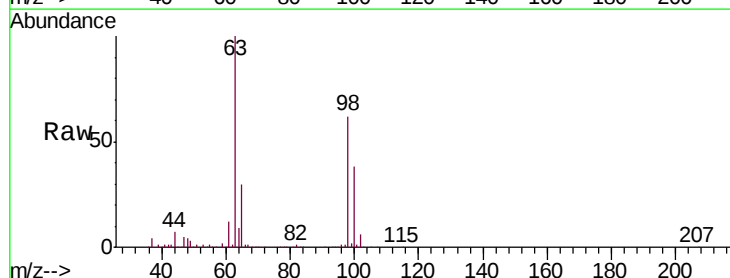
Tgt Ion: 96 Resp: 1496

Ion Ratio Lower Upper

96 100

61 1352.7 112.4 208.8#

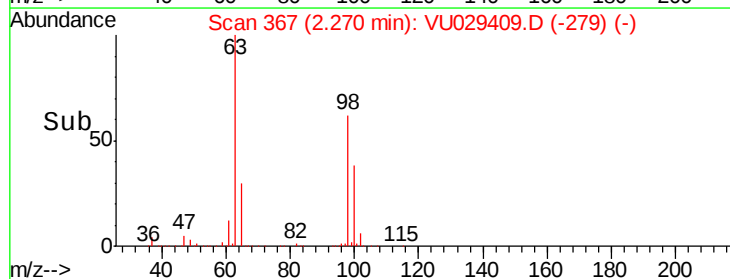
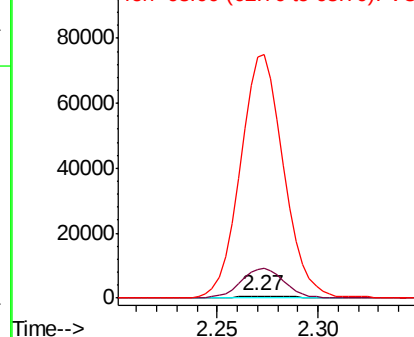
63 11169.9 75.5 140.3#

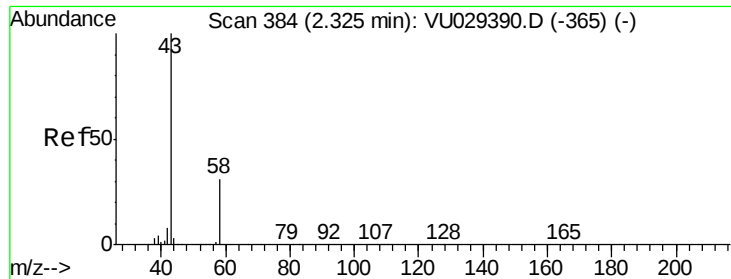


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.031 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

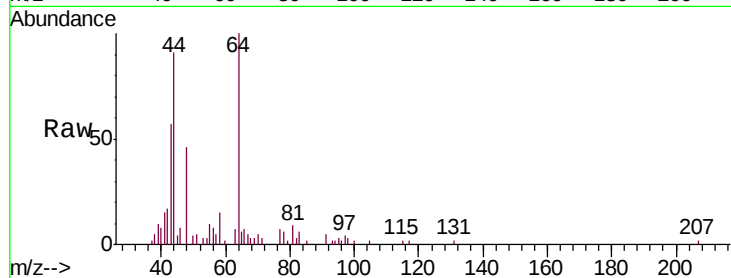
ESXA3

Tgt Ion: 43 Resp: 4409

Ion Ratio Lower Upper

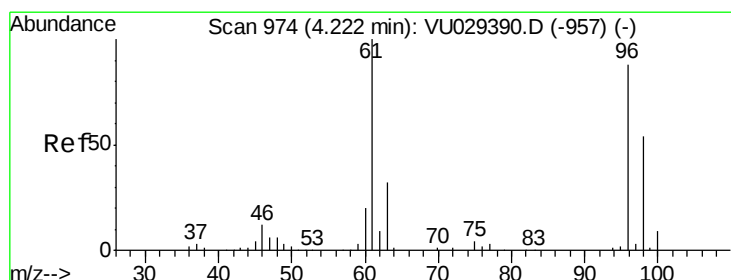
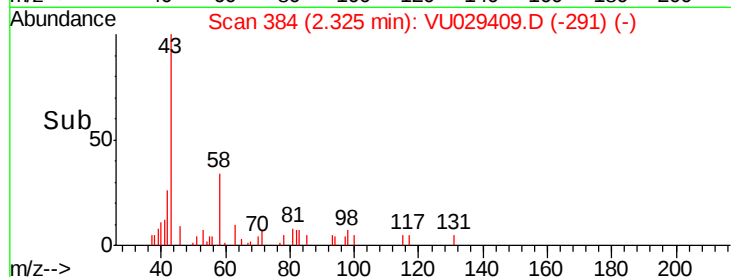
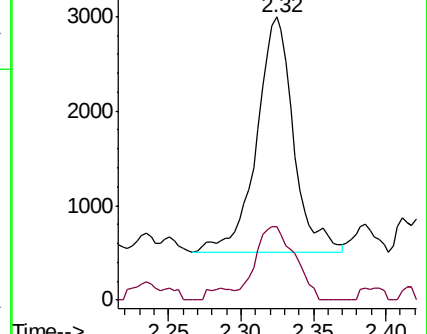
43 100

58 33.4 0.0 64.2



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: 0.225 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

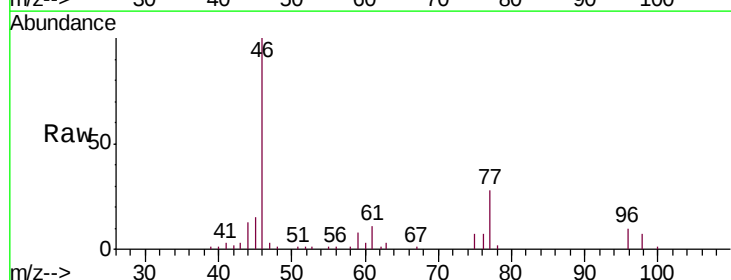
Tgt Ion: 96 Resp: 3284

Ion Ratio Lower Upper

96 100

61 110.0 79.4 147.4

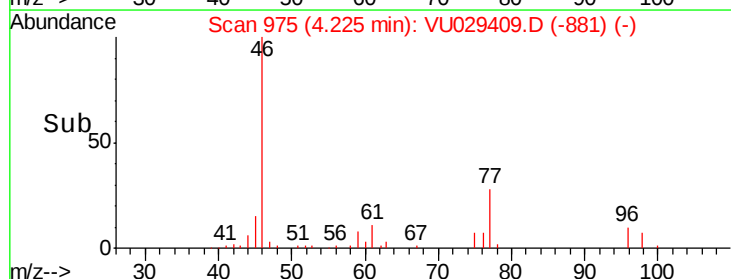
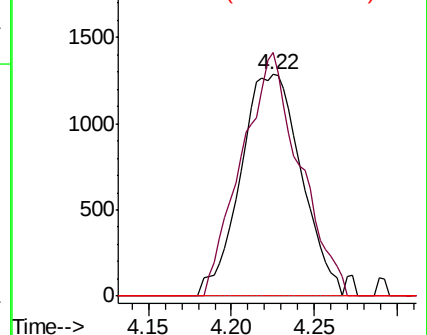
68 0.0 0.0 0.0

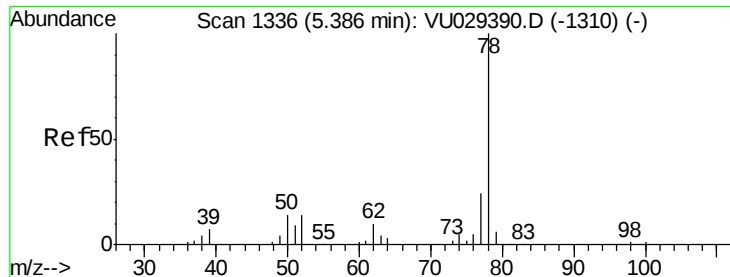


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 0.059 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

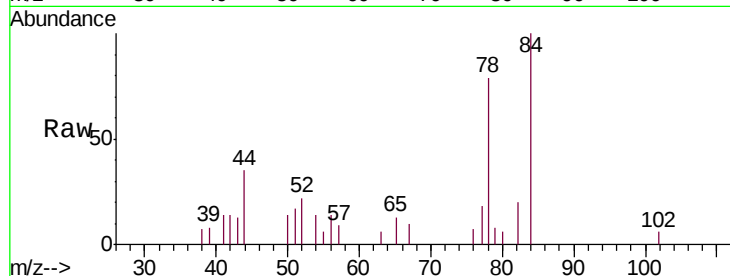
Instrument :

MSVOA_U

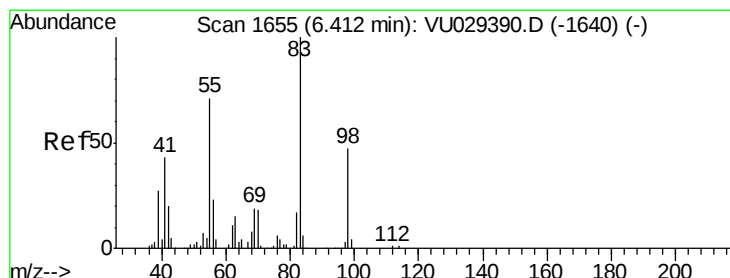
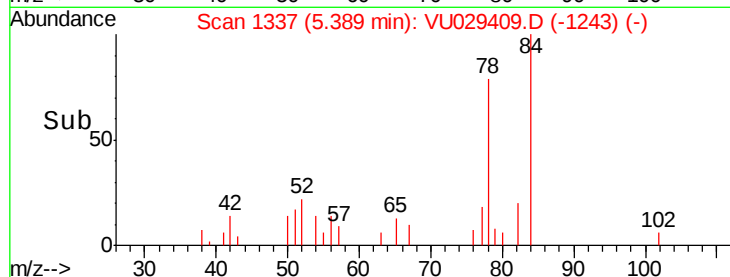
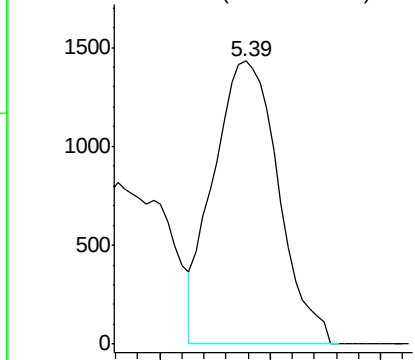
ClientSampled :

ESXA3

Tgt Ion: 78 Resp: 2925



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.697 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

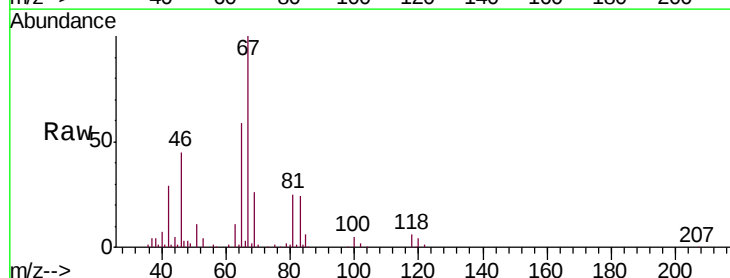
Tgt Ion: 83 Resp: 16903

Ion Ratio Lower Upper

83 100

55 0.1 55.3 82.9#

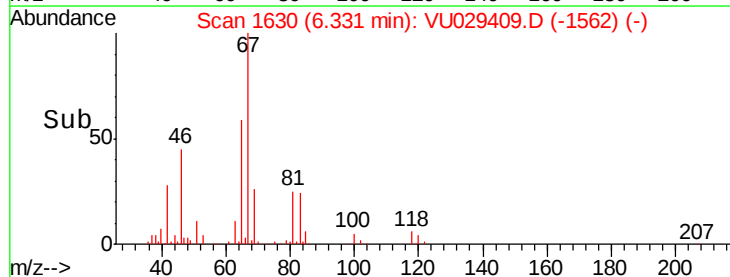
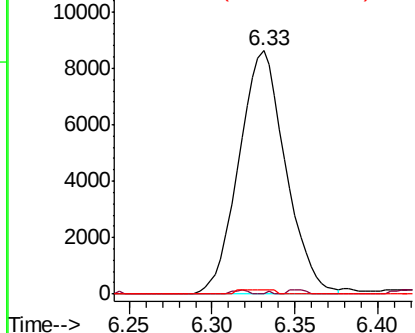
98 0.5 37.9 56.9#

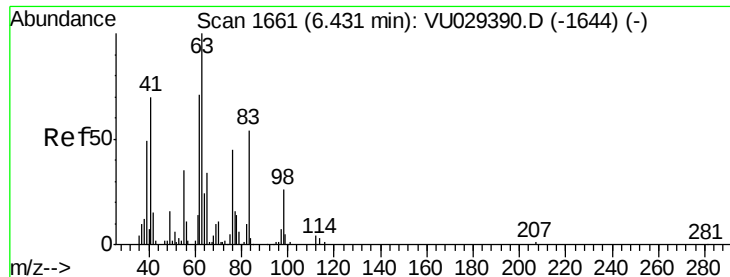


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

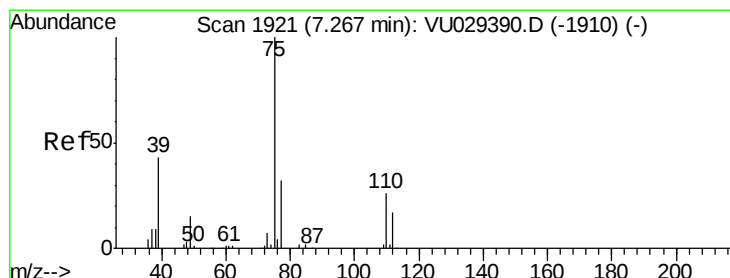
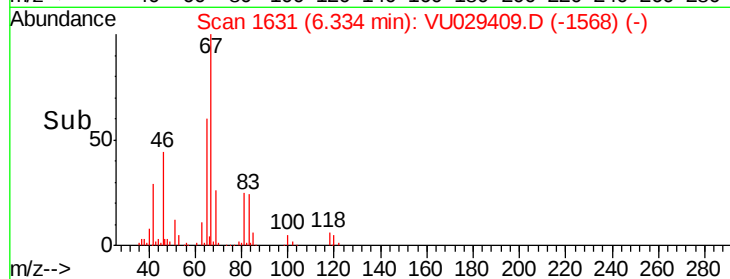
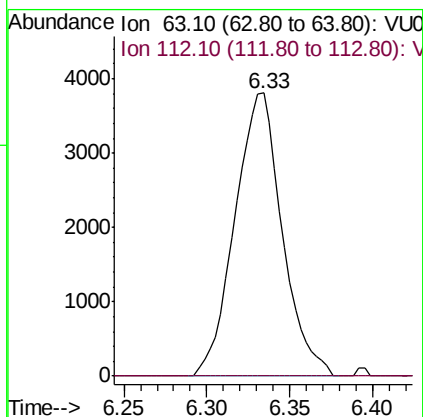
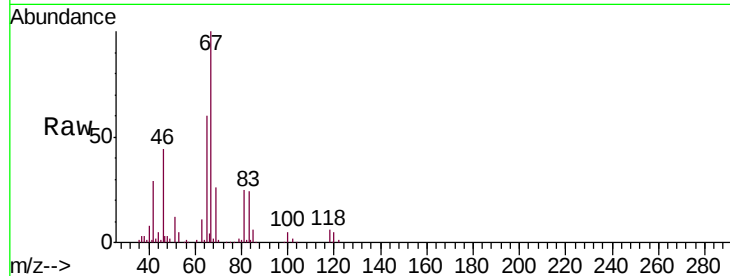




#37
 1,2-Dichloropropane
 Concen: 0.600 ug/L
 RT: 6.33 min Scan# 1631
 Delta R.T. -0.10 min
 Lab File: VU029409.D
 Acq: 11 Feb 2019 20:19

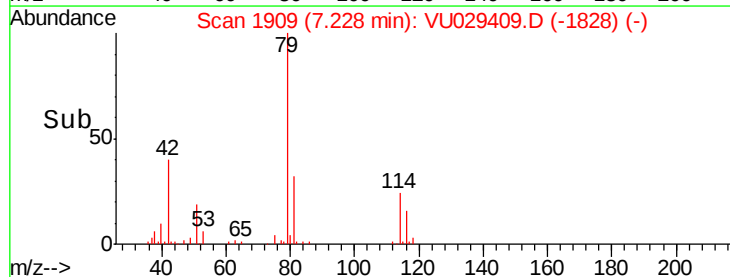
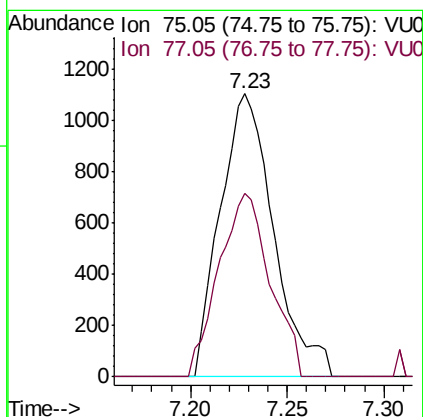
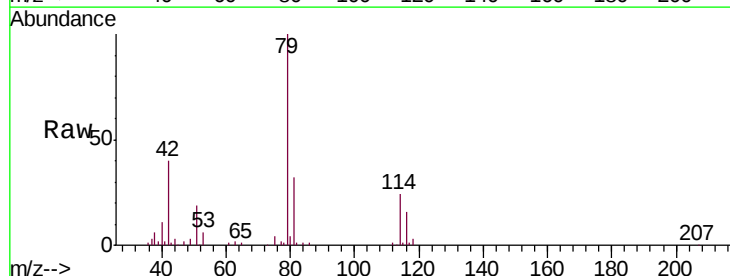
Instrument :
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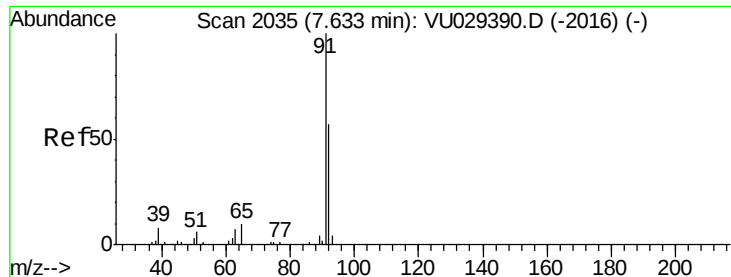
Tgt Ion: 63 Resp: 7531
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029409.D
 Acq: 11 Feb 2019 20:19

Tgt Ion: 75 Resp: 2122
 Ion Ratio Lower Upper
 75 100
 77 64.8 22.9 42.5#





#42

Toluene

Concen: 0.035 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

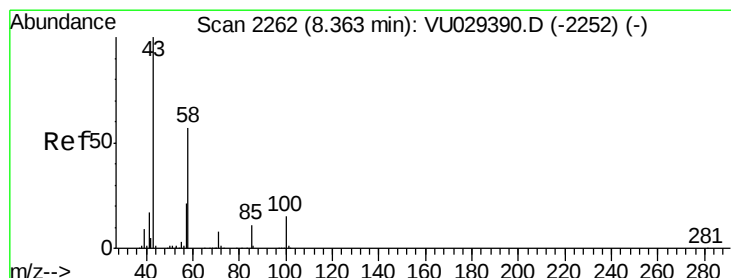
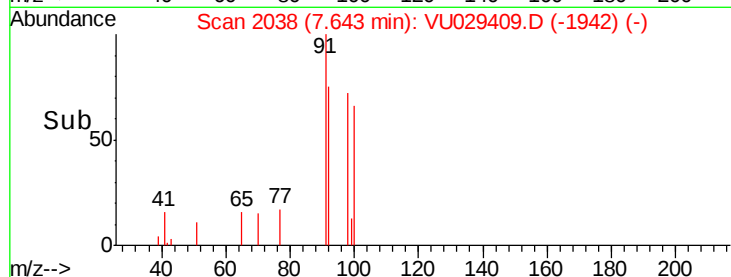
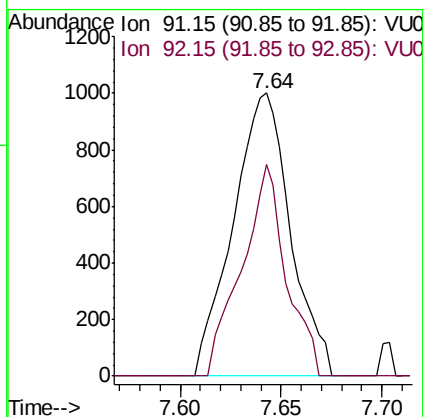
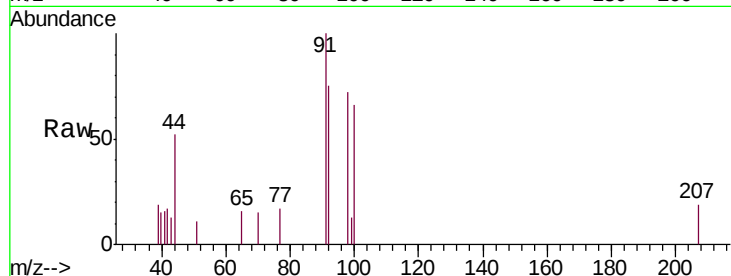
ESXA3

Tgt Ion: 91 Resp: 1987

Ion Ratio Lower Upper

91 100

92 74.7 39.7 73.7#



#48

2-Hexanone

Concen: 0.442 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU029409.D

Acq: 11 Feb 2019 20:19

Tgt Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

58 22.4 45.8 68.6#

57 8.5 16.4 24.6#

100 0.0 11.4 17.0#

