

Data File : VU029461.D
Acq On : 14 Feb 2019 16:29
Operator : JC/SP
Sample : K1436-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA5

Quant Time: Feb 15 00:49:03 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	213932	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	205152	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111364	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48831	3.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.00%
7) Chloroethane-d5	1.68	69	46046	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.60%
11) 1,1-Dichloroethene-d2	2.27	63	86161	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.20	46	129003	43.17	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.34%
24) Chloroform-d	4.65	84	91363	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
26) 1,2-Dichloroethane-d4	5.31	65	49169	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	5.34	84	190751	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
36) 1,2-Dichloropropane-d6	6.33	67	58203	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	7.56	98	178904	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	7.85	79	23447	3.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.00%
46) 2-Hexanone-d5	8.31	63	125947	42.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49139	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	81497	3.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.40%#

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	121029	5.874	ug/L	93
8) Chloroethane	1.55	64	107783	8.034	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	987	0.053	ug/L #	33
12) 1,1-Dichloroethene	2.28	96	9747	0.554	ug/L #	1
13) Acetone	2.32	43	4920	1.812	ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	89380	4.761	ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	3081995	178.470	ug/L	98
30) Cyclohexane	4.98	56	1567	0.064	ug/L	90
34) Trichloroethene	6.19	95	4569	0.269	ug/L	92
35) Methylcyclohexane	6.33	83	13994	0.490	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6129	0.405	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1977	0.083	ug/L	91
48) 2-Hexanone	8.31	43	13918	2.190	ug/L #	67
53) m,p-xylene	9.38	106	4532	0.148	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	10810	1.114	ug/L	92

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

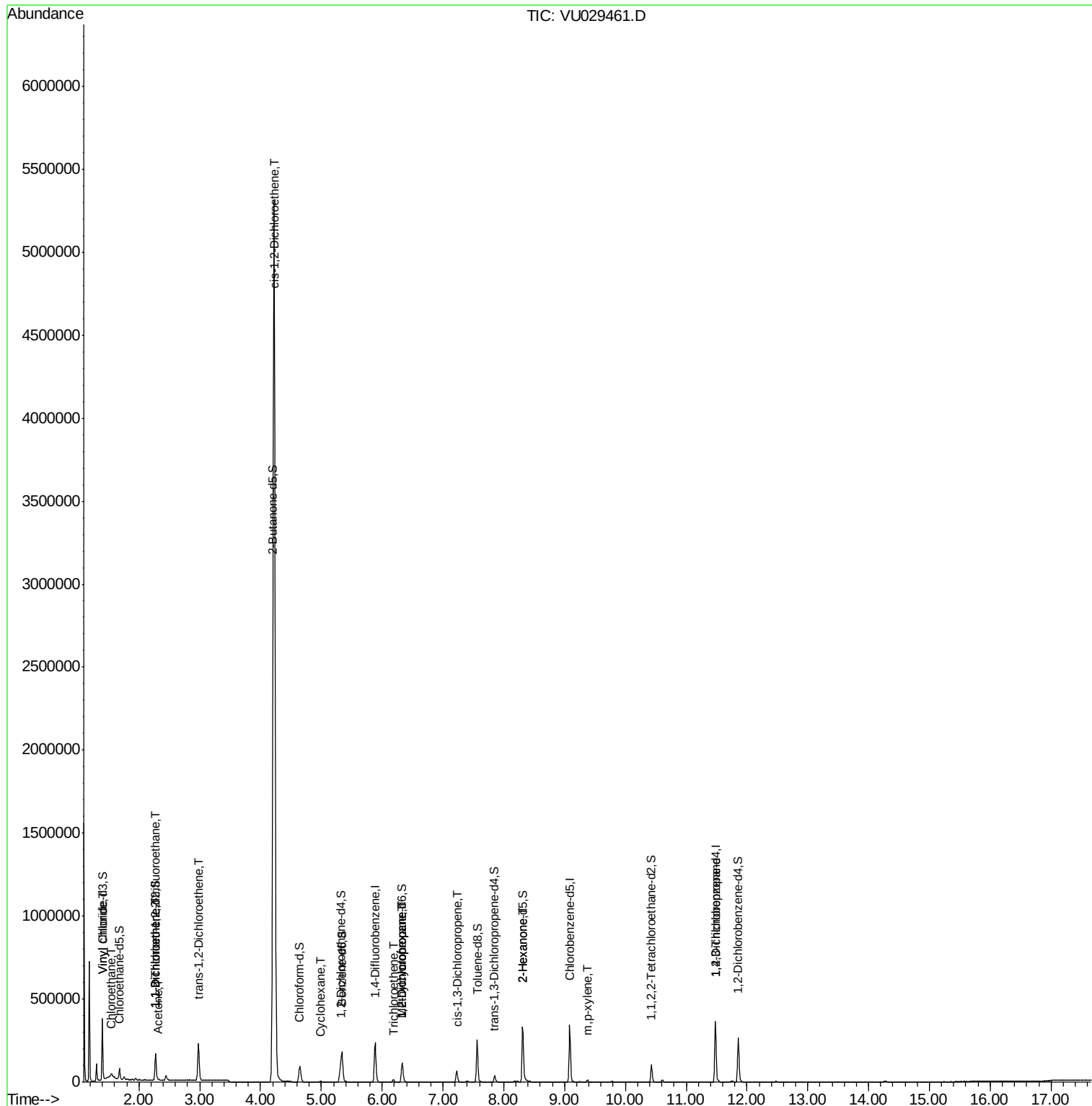
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

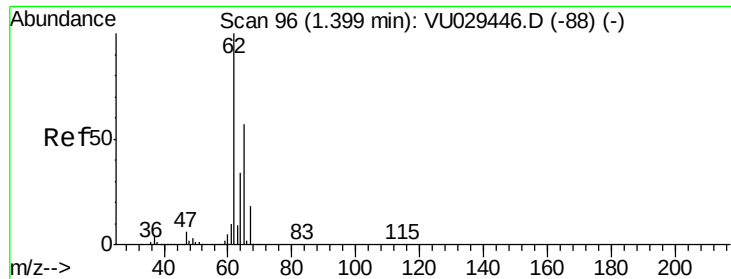
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 5.874 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

Instrument :

MSVOA_U

ClientSampleId :

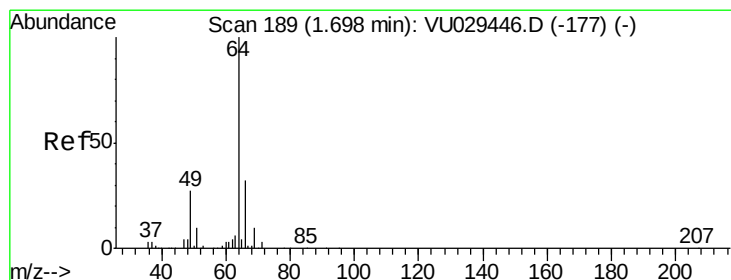
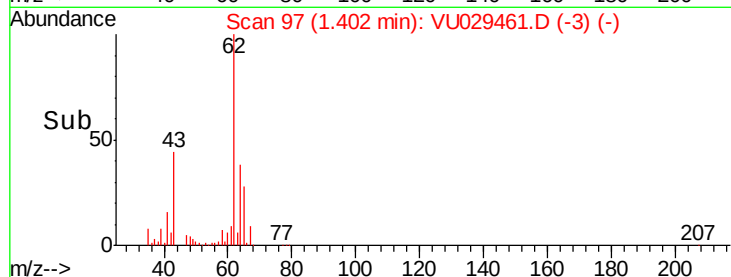
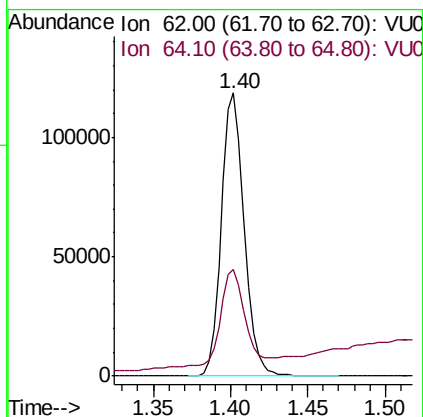
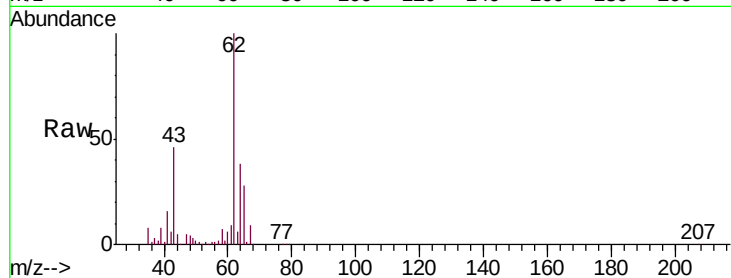
ESXA5

Tgt Ion: 62 Resp: 121029

Ion Ratio Lower Upper

62 100

64 37.7 23.5 43.7



#8

Chloroethane

Concen: 8.034 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029461.D

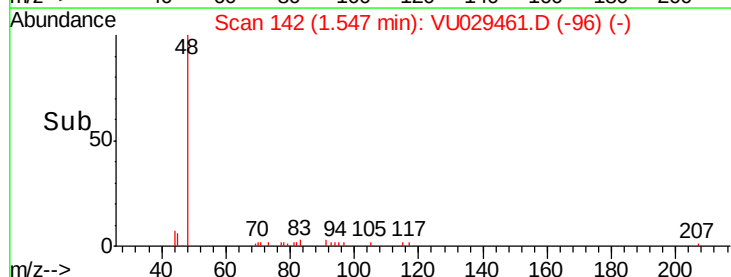
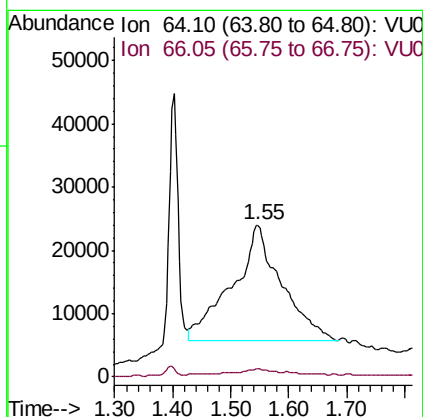
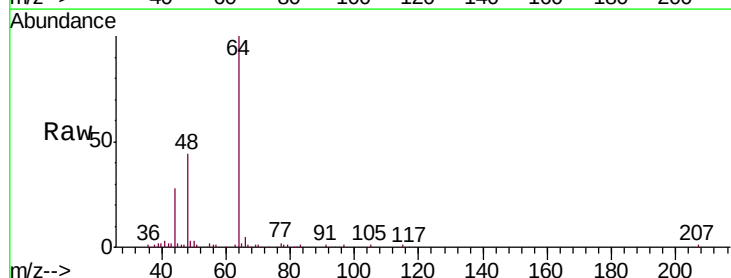
Acq: 14 Feb 2019 16:29

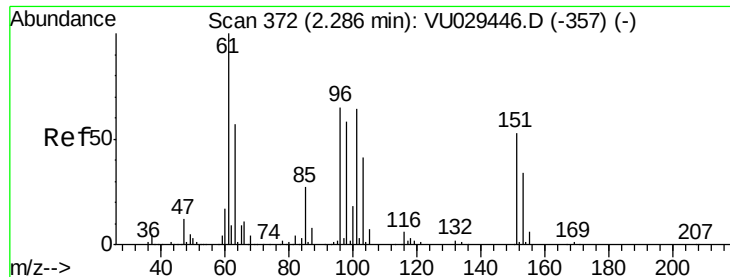
Tgt Ion: 64 Resp: 107783

Ion Ratio Lower Upper

64 100

66 5.3 22.0 40.8#





#10

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

Concen: 0.053 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

Instrument :

MSVOA_U

ClientSampleId :

ESXA5

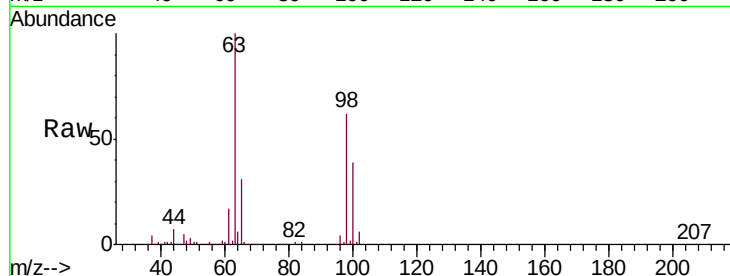
Tgt Ion: 101 Resp: 987

Ion Ratio Lower Upper

101 100

85 31.5 35.1 52.7#

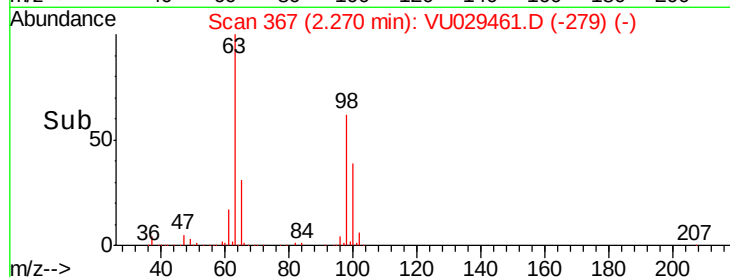
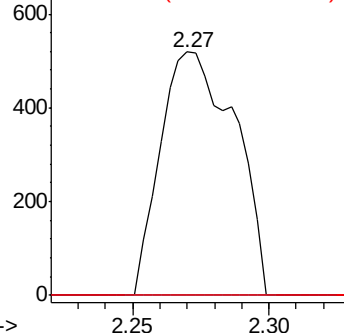
151 0.0 67.0 100.6#



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: 0.554 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

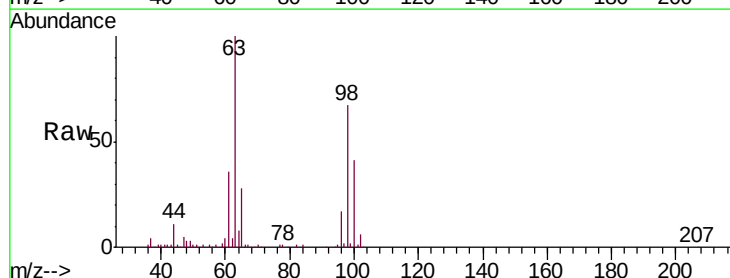
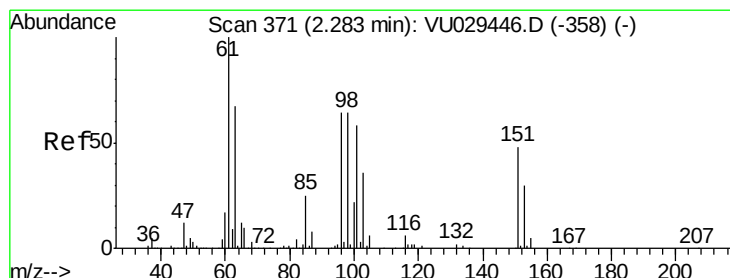
Tgt Ion: 96 Resp: 9747

Ion Ratio Lower Upper

96 100

61 210.9 115.1 213.7

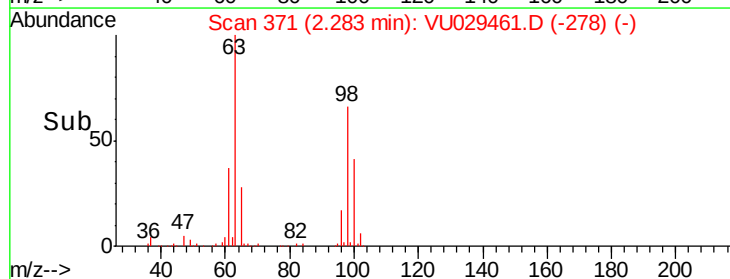
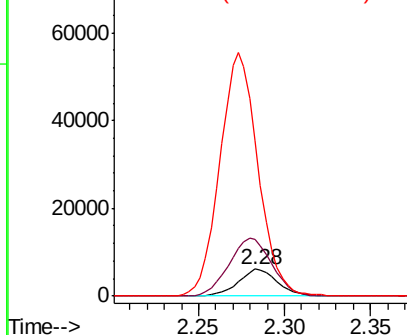
63 578.5 83.5 155.1#

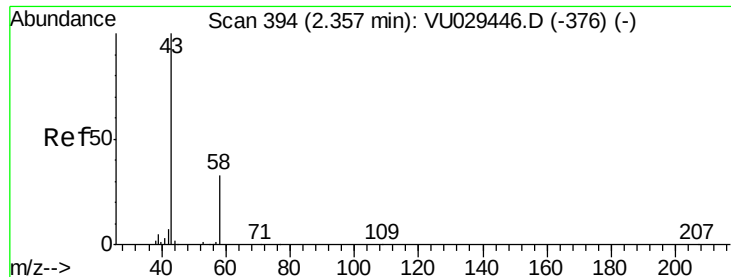


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.812 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.03 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

Instrument :

MSVOA_U

ClientSampleId :

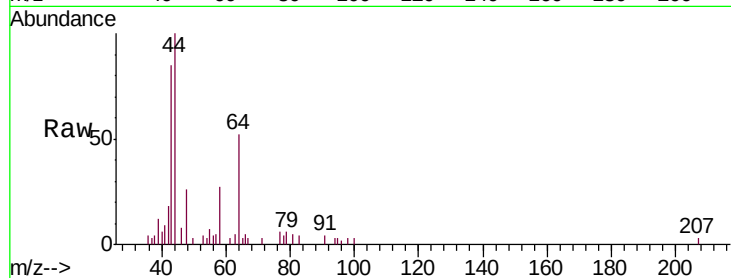
ESXA5

Tgt Ion: 43 Resp: 4920

Ion Ratio Lower Upper

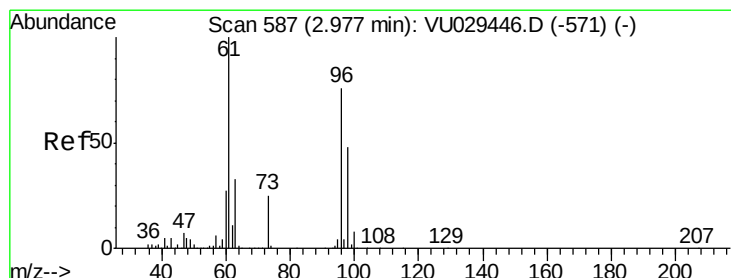
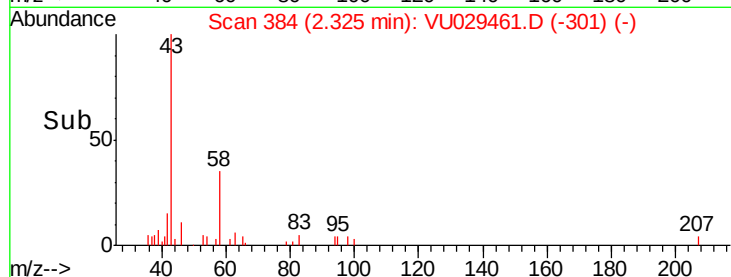
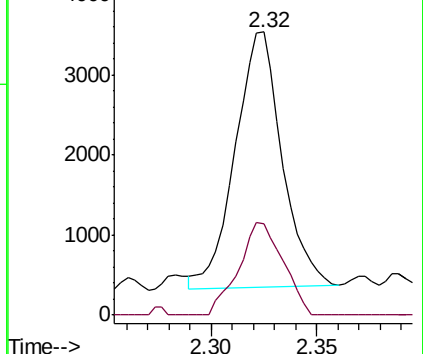
43 100

58 34.3 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 4.761 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

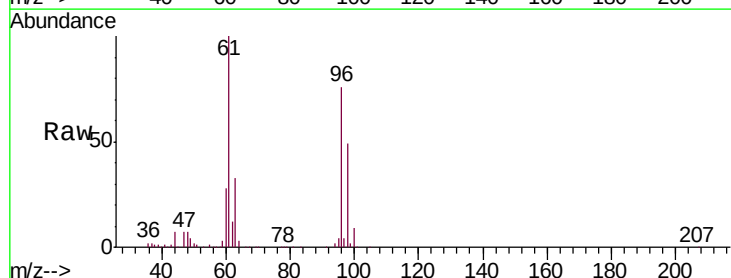
Tgt Ion: 96 Resp: 89380

Ion Ratio Lower Upper

96 100

61 130.9 95.4 177.2

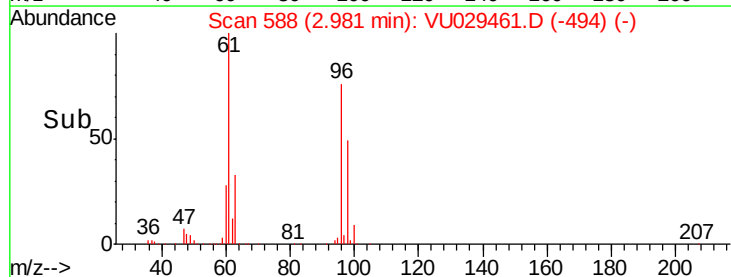
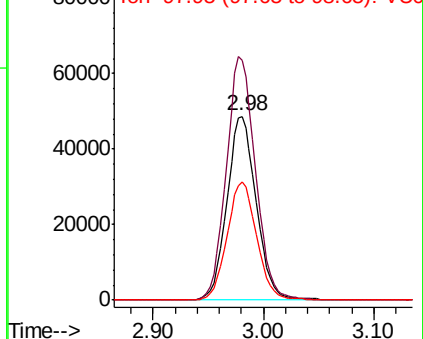
98 64.1 45.8 85.2

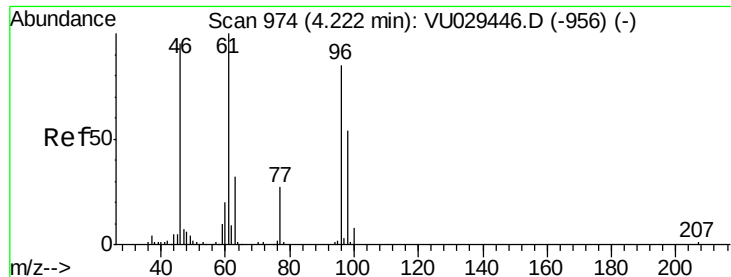


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



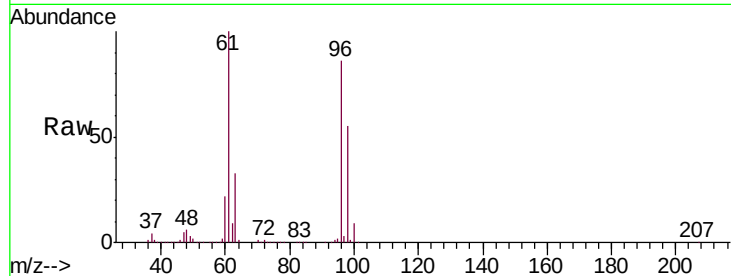


#22

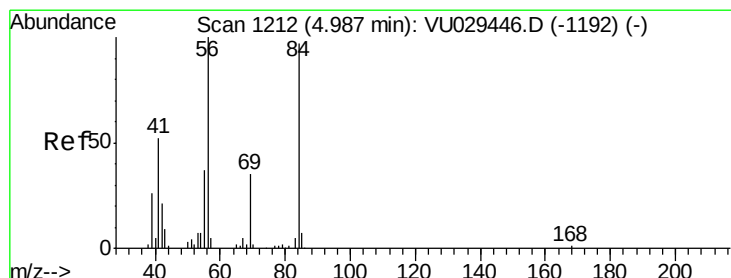
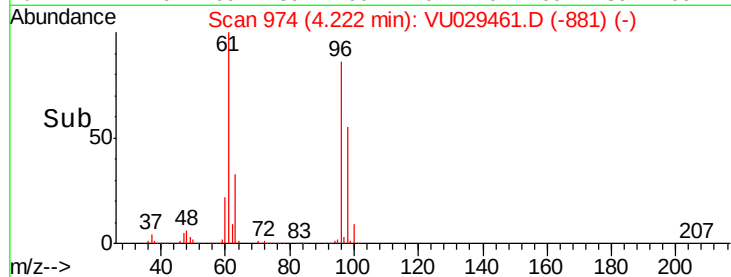
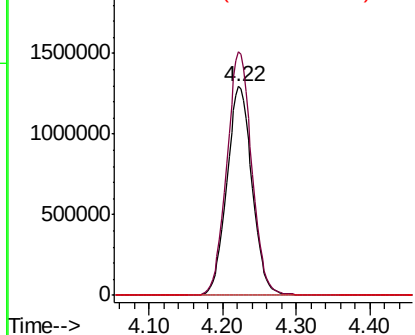
cis-1,2-Dichloroethene
Concen: 178.470 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029461.D
Acq: 14 Feb 2019 16:29

Instrument :
MSVOA_U
ClientSampleId :
ESXA5

Tgt Ion: 96 Resp: 3081995
Ion Ratio Lower Upper
96 100
61 116.8 79.9 148.5
68 0.0 0.0 0.0



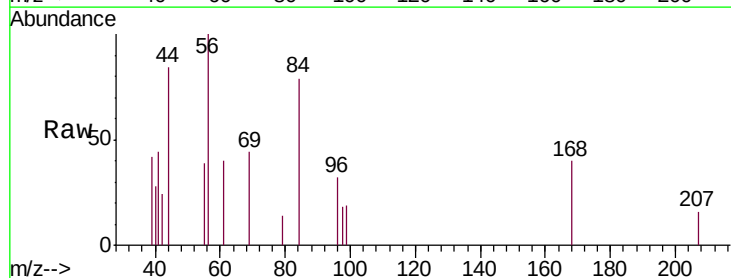
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



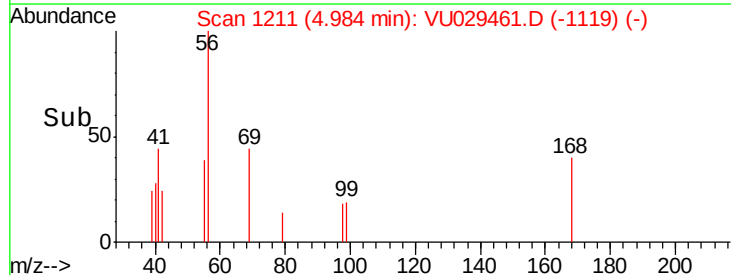
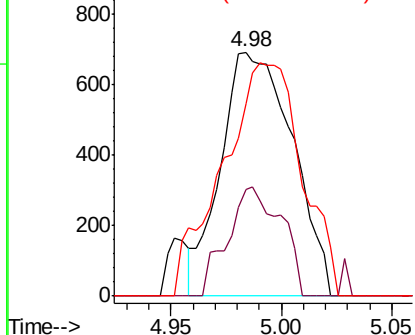
#30

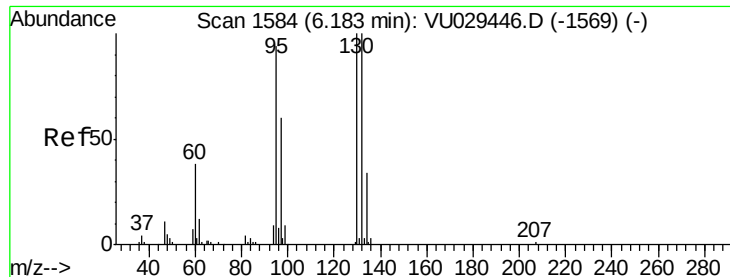
Cyclohexane
Concen: 0.064 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU029461.D
Acq: 14 Feb 2019 16:29

Tgt Ion: 56 Resp: 1567
Ion Ratio Lower Upper
56 100
69 33.5 25.8 38.6
84 105.6 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#34

Trichloroethene

Concen: 0.269 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

Instrument :

MSVOA_U

ClientSampleId :

ESXA5

Tgt Ion: 95 Resp: 4569

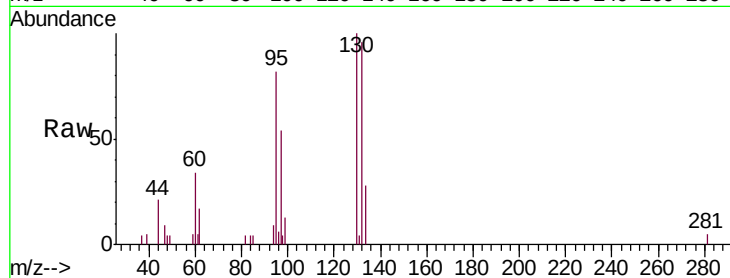
Ion Ratio Lower Upper

95 100

97 65.6 46.3 86.1

132 117.6 72.9 135.3

130 122.4 79.2 147.0

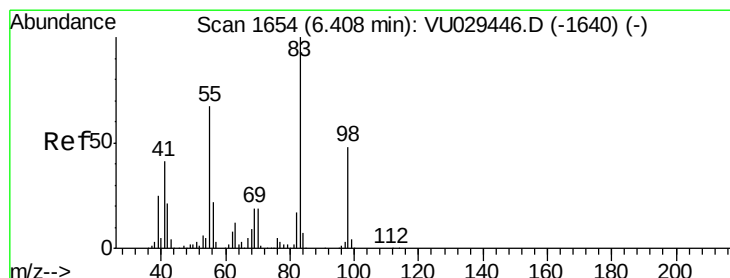
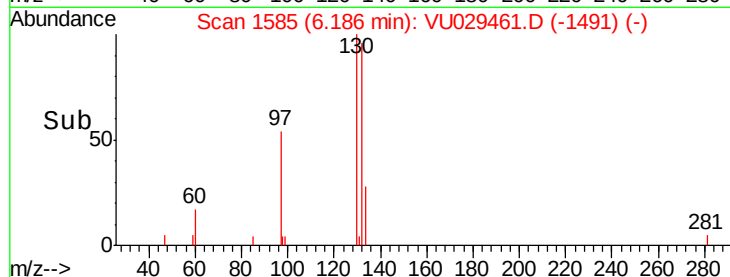
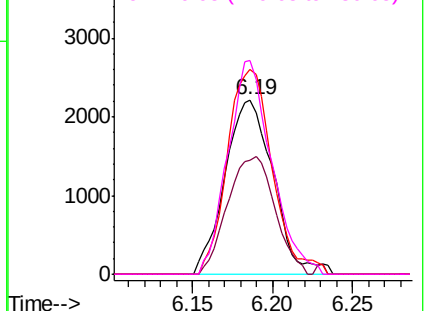


Abundance Ion 95.00 (94.70 to 95.70): VU029446.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU029446.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU029446.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU029446.D (-1569) (-)



#35

Methylcyclohexane

Concen: 0.490 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

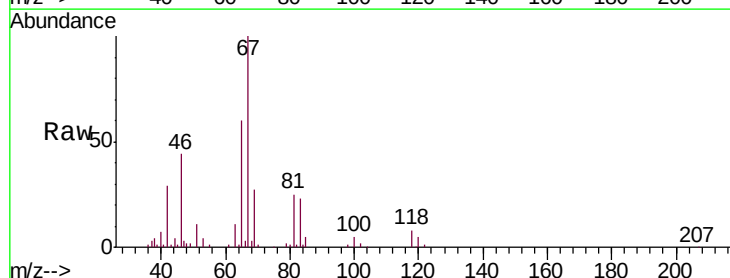
Tgt Ion: 83 Resp: 13994

Ion Ratio Lower Upper

83 100

55 0.8 55.9 83.9#

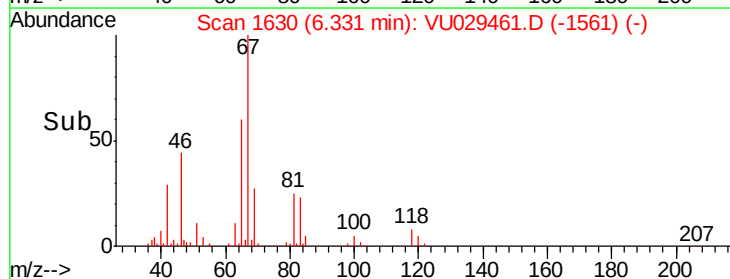
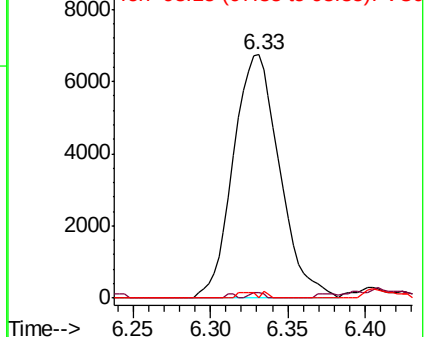
98 0.4 38.6 57.8#

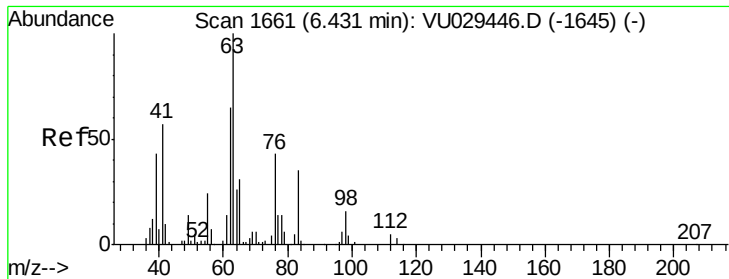


Abundance Ion 83.15 (82.85 to 83.85): VU029446.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU029446.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU029446.D (-1640) (-)

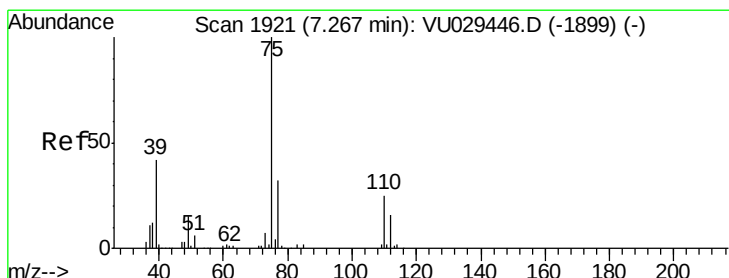
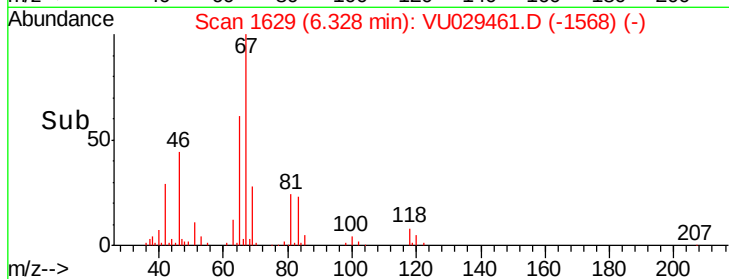
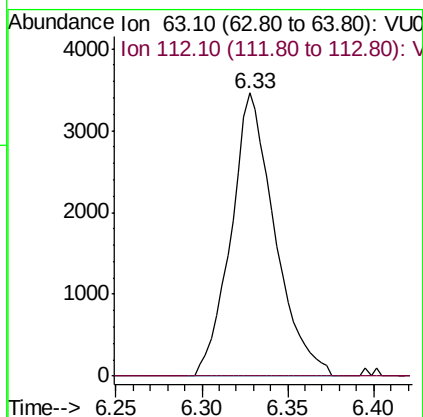
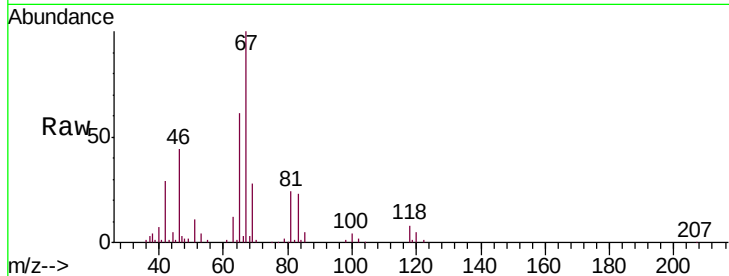




#37
 1,2-Dichloropropane
 Concen: 0.405 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029461.D
 Acq: 14 Feb 2019 16:29

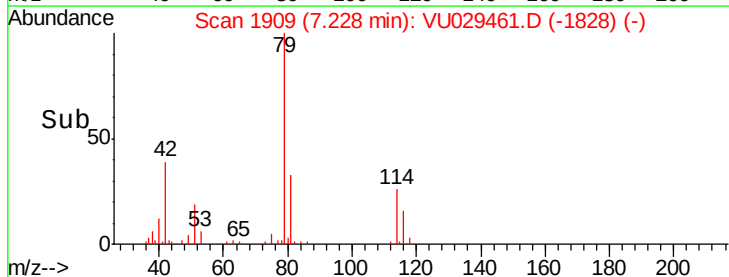
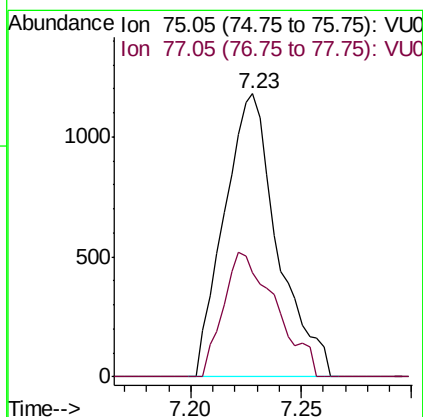
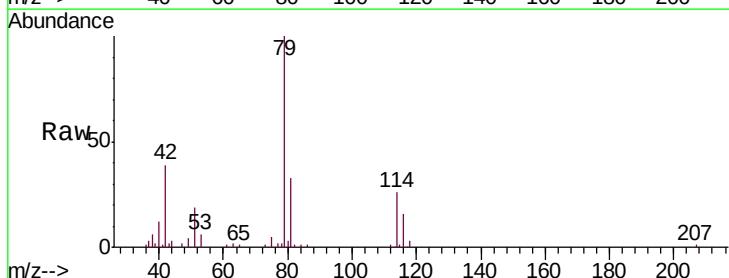
Instrument :
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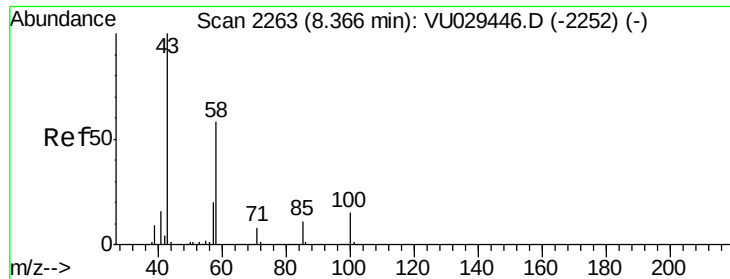
Tgt Ion: 63 Resp: 6129
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029461.D
 Acq: 14 Feb 2019 16:29

Tgt Ion: 75 Resp: 1977
 Ion Ratio Lower Upper
 75 100
 77 37.0 22.3 41.3

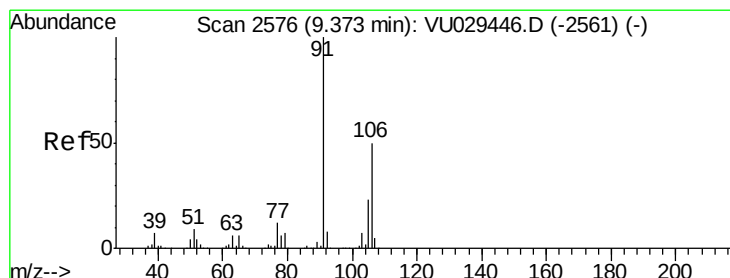
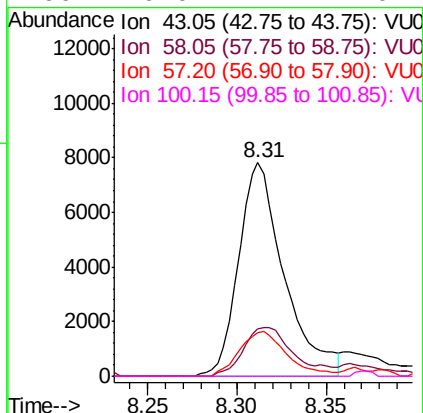
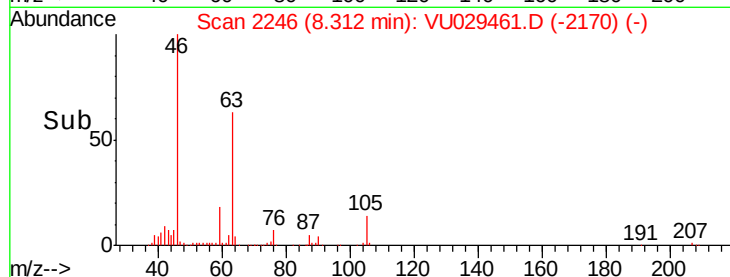
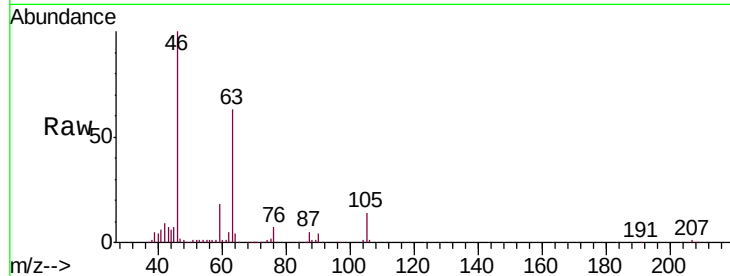




#48
2-Hexanone
Concen: 2.190 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029461.D
Acq: 14 Feb 2019 16:29

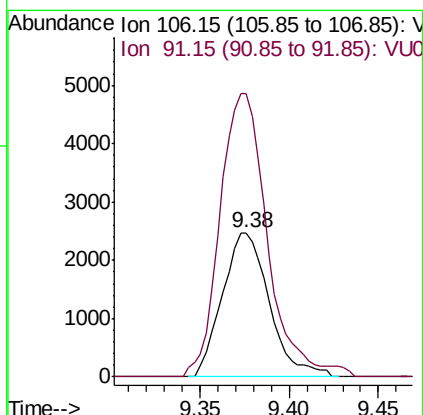
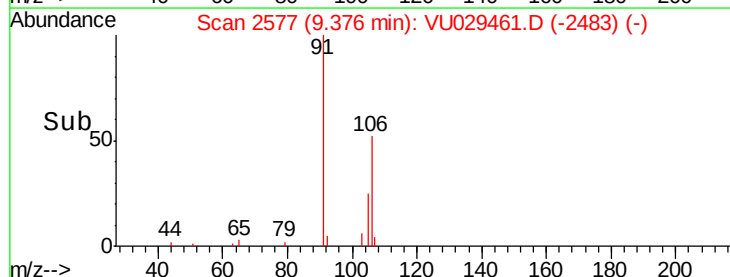
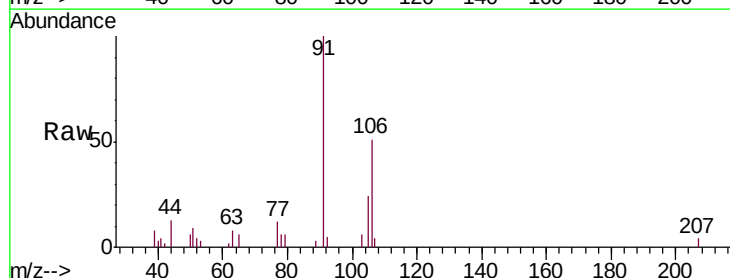
Instrument :
MSVOA_U
ClientSampleId :
ESXA5

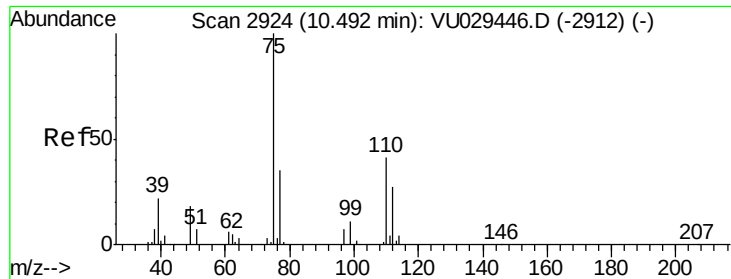
Tgt Ion: 43 Resp: 13918
Ion Ratio Lower Upper
43 100
58 25.1 45.7 68.5#
57 21.8 16.4 24.6
100 0.0 11.1 16.7#



#53
m,p-xylene
Concen: 0.148 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029461.D
Acq: 14 Feb 2019 16:29

Tgt Ion: 106 Resp: 4532
Ion Ratio Lower Upper
106 100
91 196.7 135.7 251.9





#59

1,2,3-Trichloropropane

Concen: 1.114 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029461.D

Acq: 14 Feb 2019 16:29

Instrument :

MSVOA_U

ClientSampleId :

ESXA5

Tgt Ion: 75 Resp: 10810

Ion Ratio Lower Upper

75 100

77 39.9 28.2 42.2

