

Data File : VU029441.D
Acq On : 13 Feb 2019 13:28
Operator : JC/SP
Sample : K1436-12DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA5DL

Quant Time: Feb 14 00:21:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 14 00:18:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	205317	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	195035	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106523	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61528	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.68	69	57293	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.27	63	98758	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.20	46	142131	49.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.10%
24) Chloroform-d	4.65	84	103566	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.31	65	55843	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.34	84	225930	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.33	67	67244	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.56	98	220233	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.85	79	28083	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.31	63	142607	50.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57243	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	94778	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

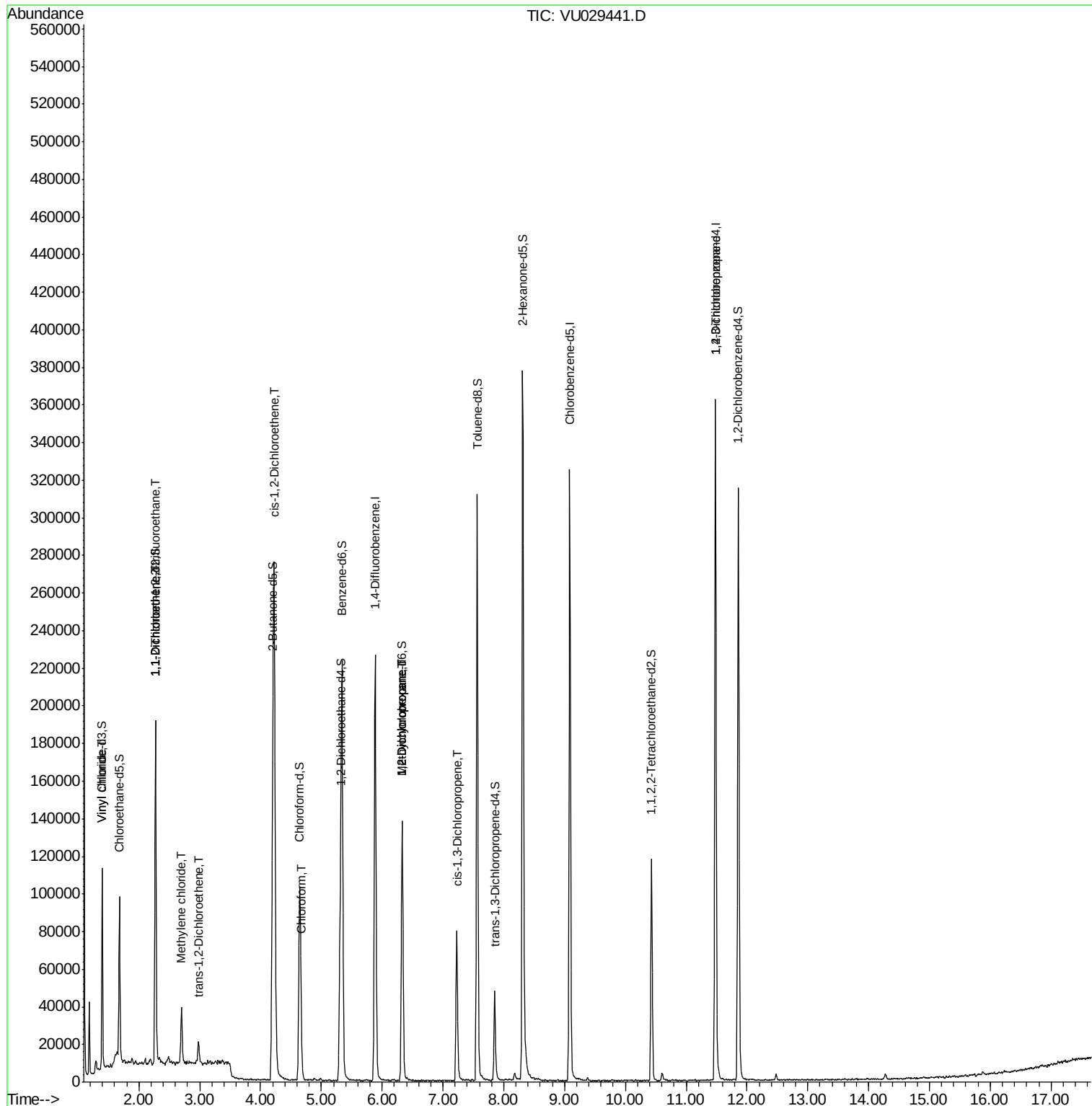
						Qvalue
5) Vinyl chloride	1.40	62	6146	0.311	ug/L #	71
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1081	0.061	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	1723	0.102	ug/L #	1
16) Methylene chloride	2.70	84	13482	0.710	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	4936	0.274	ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	140720	8.491	ug/L	97
25) Chloroform	4.68	83	5600	0.206	ug/L	91
35) Methylcyclohexane	6.33	83	16678	0.614	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	7300	0.508	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2012	0.089	ug/L #	59
59) 1,2,3-Trichloropropane	11.48	75	10800	1.171	ug/L	99

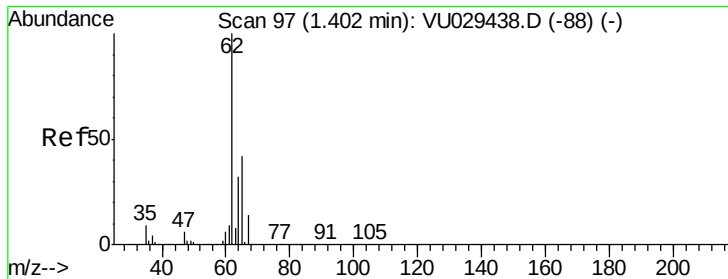
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.311 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029441.D

Acq: 13 Feb 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

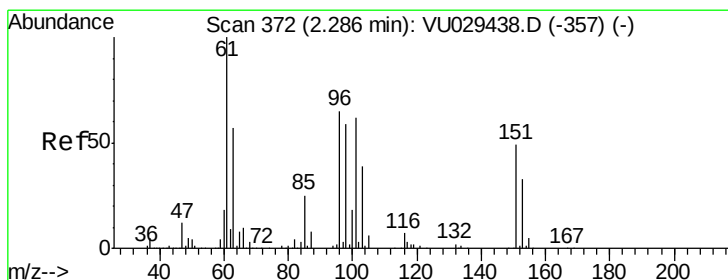
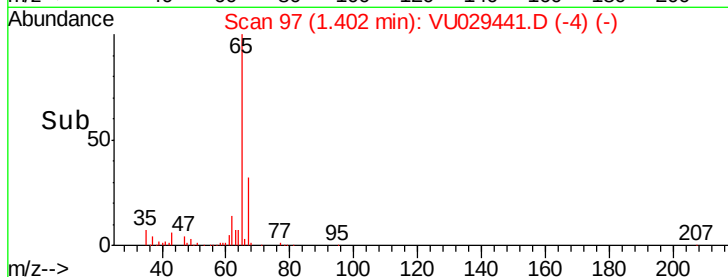
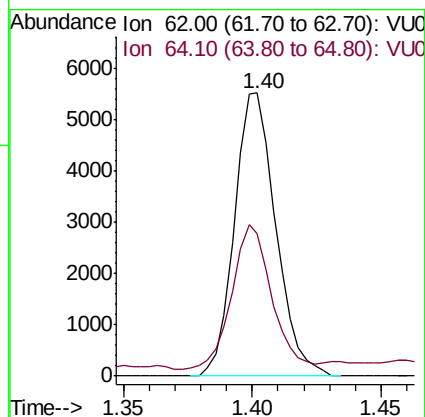
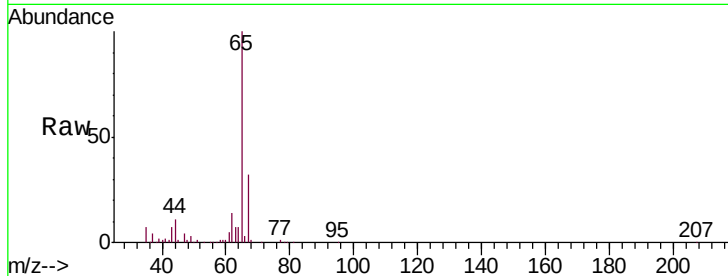
ESXA5DL

Tgt Ion: 62 Resp: 6146

Ion Ratio Lower Upper

62 100

64 50.2 23.5 43.7#



#10

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

Concen: 0.061 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029441.D

Acq: 13 Feb 2019 13:28

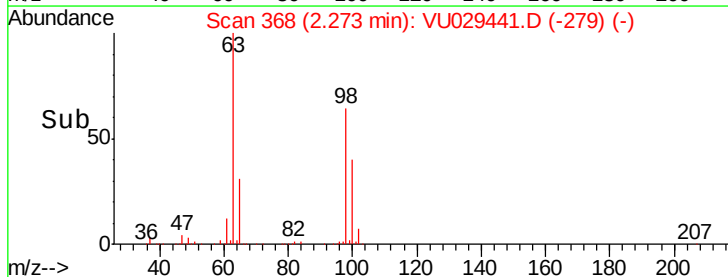
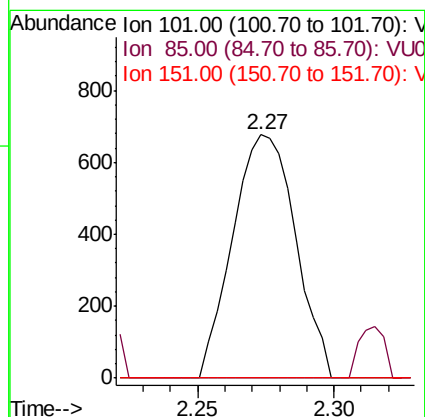
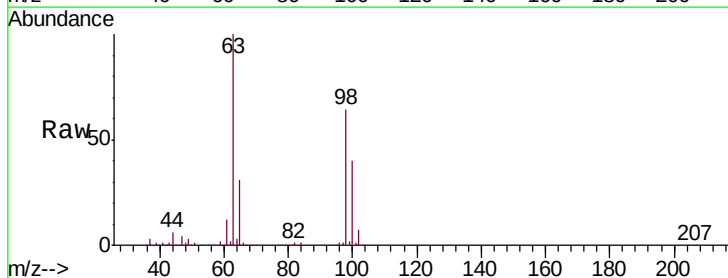
Tgt Ion: 101 Resp: 1081

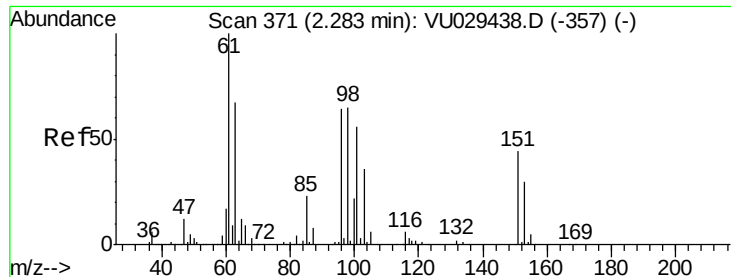
Ion Ratio Lower Upper

101 100

85 8.9 35.1 52.7#

151 0.0 67.0 100.6#

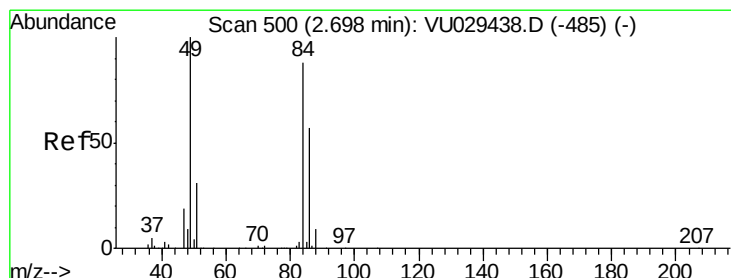
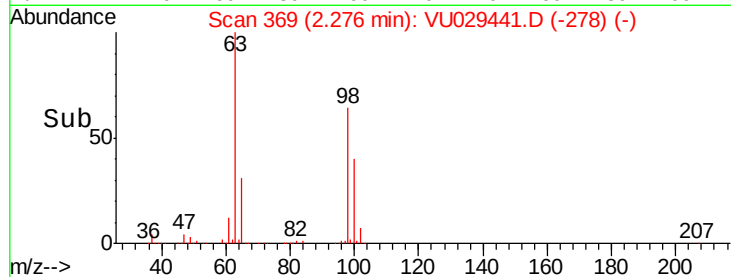
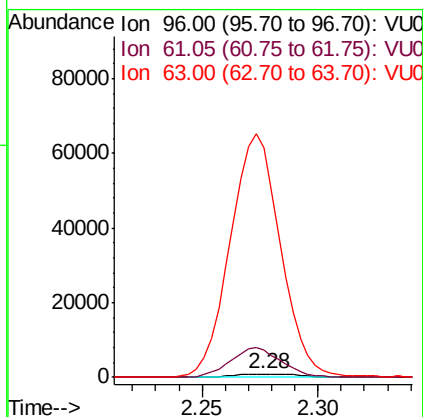
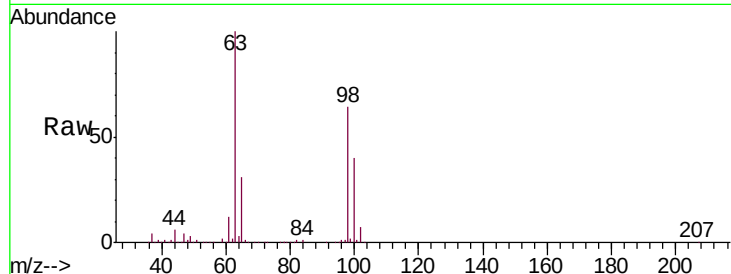




#12
 1,1-Dichloroethene
 Concen: 0.102 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029441.D
 Acq: 13 Feb 2019 13:28

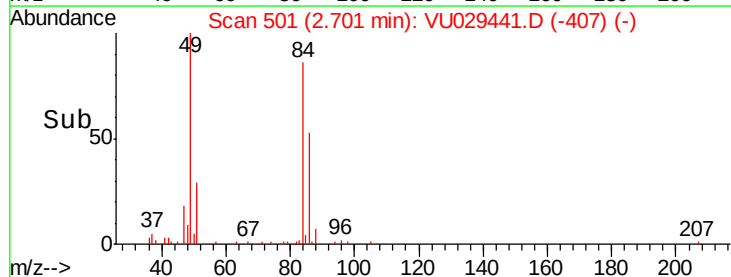
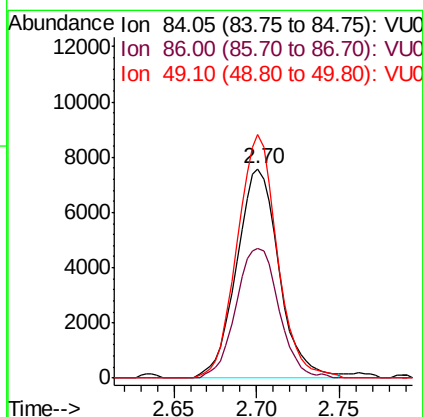
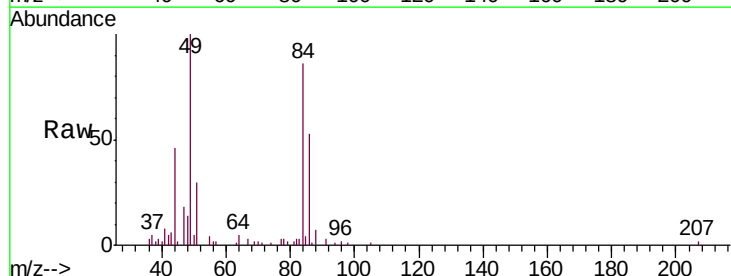
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 MSVOA_U
 ClientSampleId :
 ESXA5DL

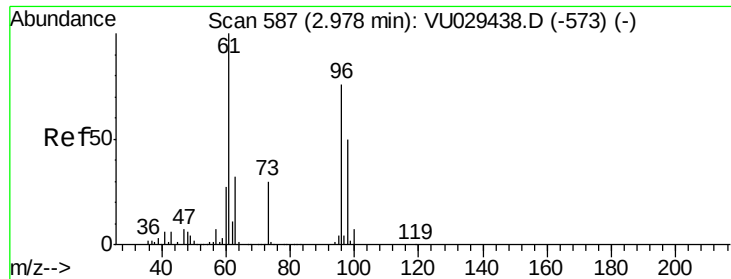
Tgt Ion: 96 Resp: 1723
 Ion Ratio Lower Upper
 96 100
 61 907.8 115.1 213.7#
 63 7641.2 83.5 155.1#



#16
 Methylene chloride
 Concen: 0.710 ug/L
 RT: 2.70 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VU029441.D
 Acq: 13 Feb 2019 13:28

Tgt Ion: 84 Resp: 13482
 Ion Ratio Lower Upper
 84 100
 86 61.6 45.1 83.9
 49 116.1 81.8 151.8

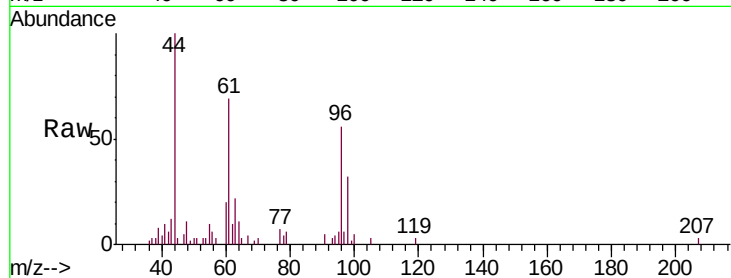




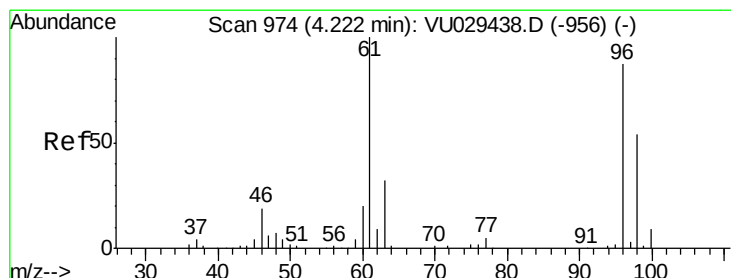
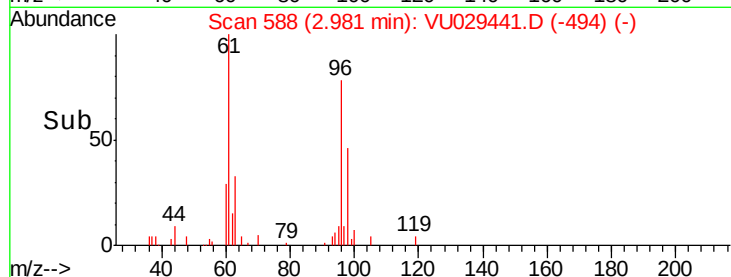
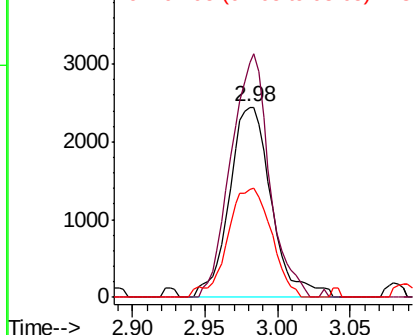
#18
trans-1,2-Dichloroethene
Concen: 0.274 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029441.D
Acq: 13 Feb 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
ESXA5DL

Tgt Ion: 96 Resp: 4936
Ion Ratio Lower Upper
96 100
61 123.3 95.4 177.2
98 56.9 45.8 85.2

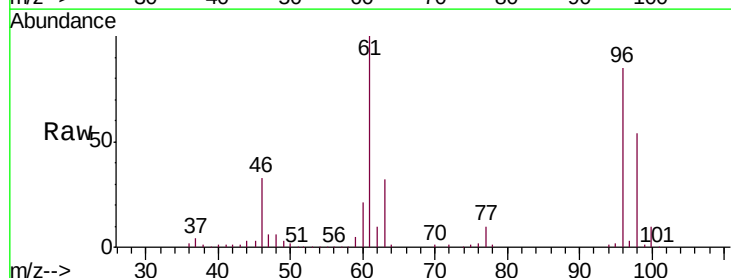


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

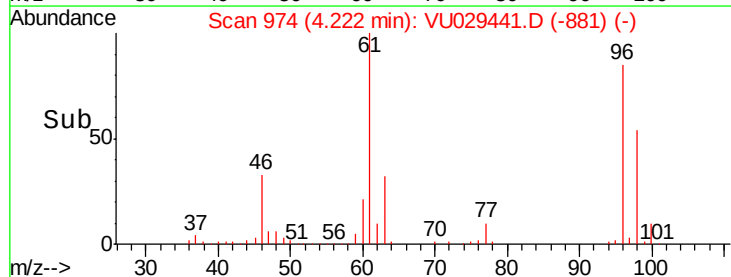
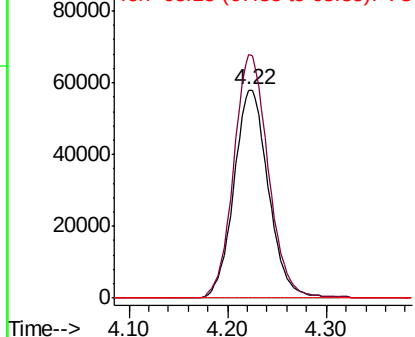


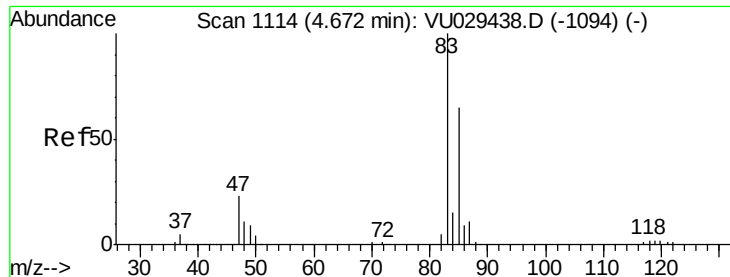
#22
cis-1,2-Dichloroethene
Concen: 8.491 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029441.D
Acq: 13 Feb 2019 13:28

Tgt Ion: 96 Resp: 140720
Ion Ratio Lower Upper
96 100
61 117.2 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: 0.206 ug/L

RT: 4.68 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VU029441.D

Acq: 13 Feb 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

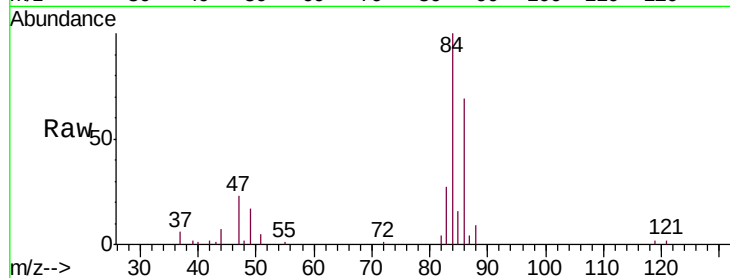
ESXA5DL

Tgt Ion: 83 Resp: 5600

Ion Ratio Lower Upper

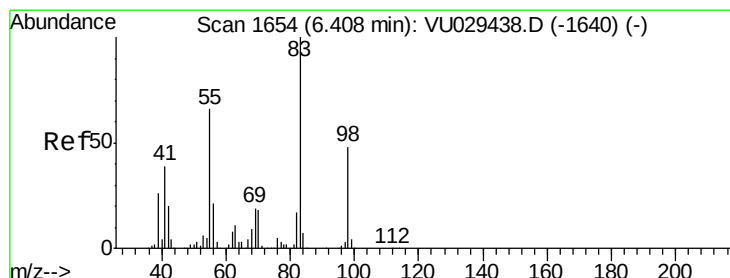
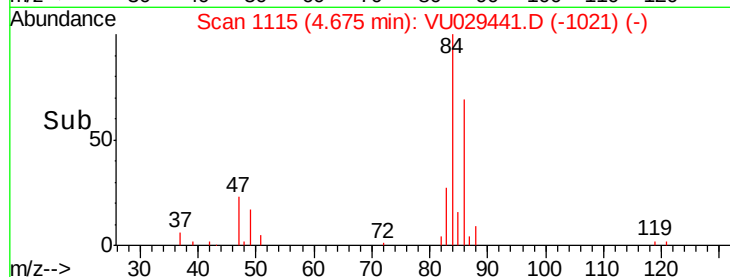
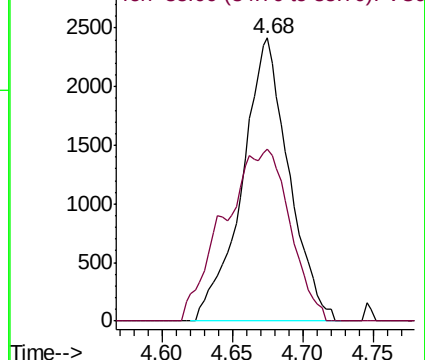
83 100

85 61.0 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 0.614 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029441.D

Acq: 13 Feb 2019 13:28

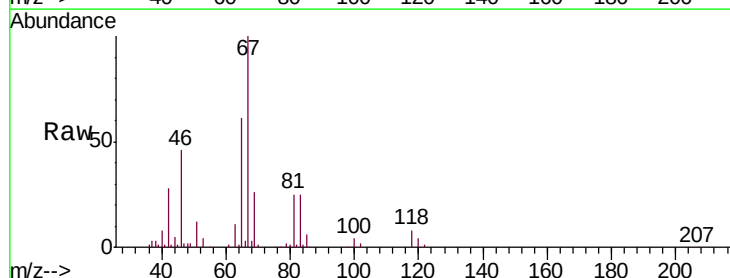
Tgt Ion: 83 Resp: 16678

Ion Ratio Lower Upper

83 100

55 0.6 55.9 83.9#

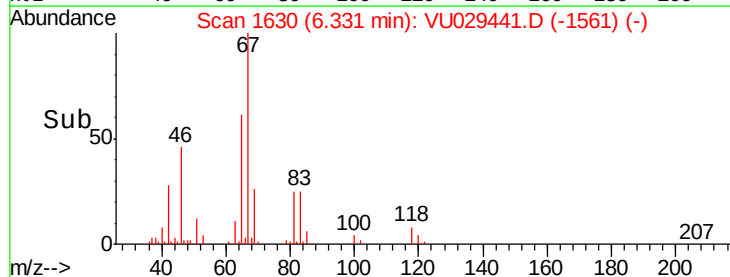
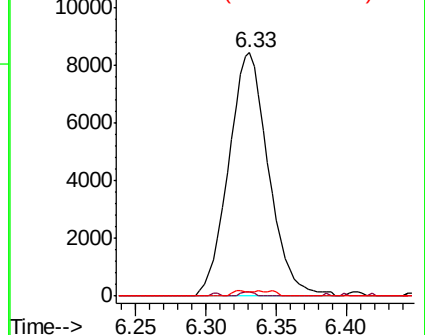
98 1.0 38.6 57.8#

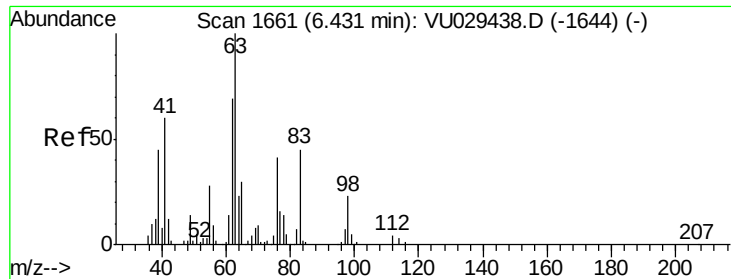


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

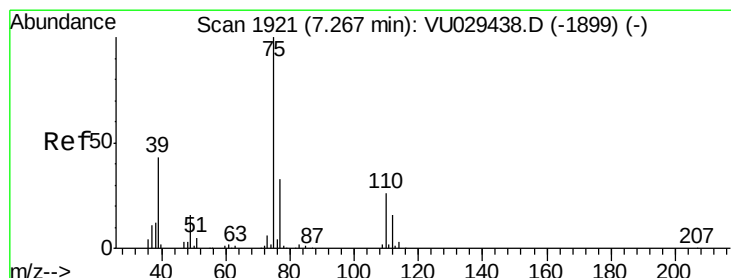
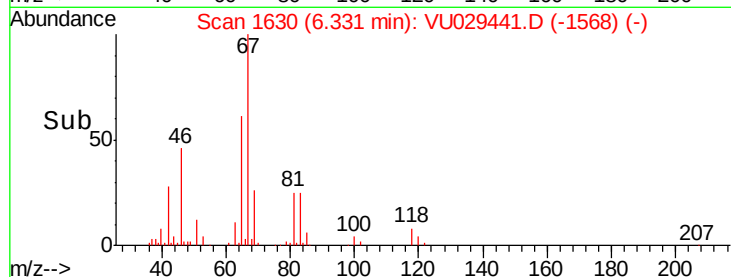
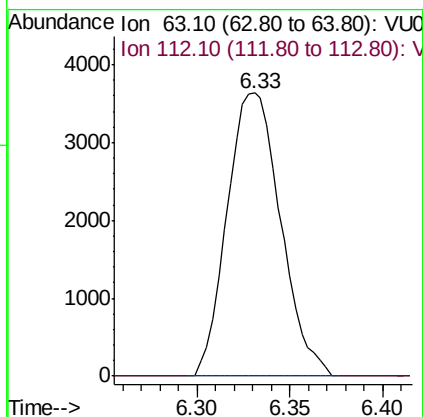
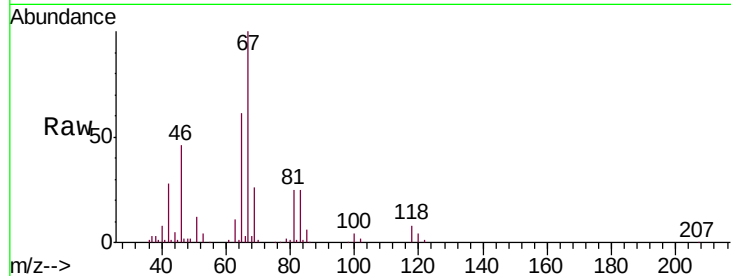




#37
 1,2-Dichloropropane
 Concen: 0.508 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029441.D
 Acq: 13 Feb 2019 13:28

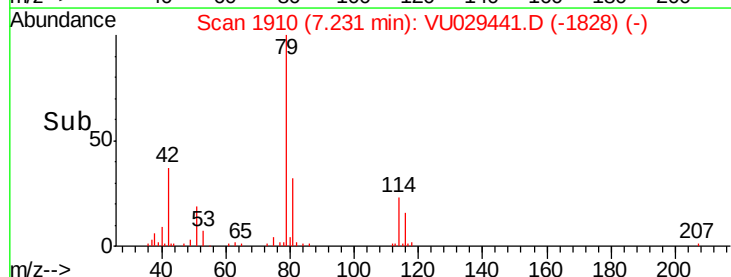
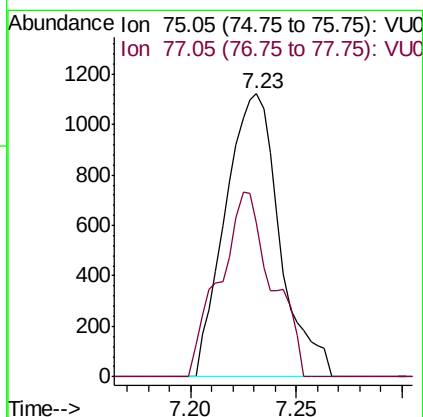
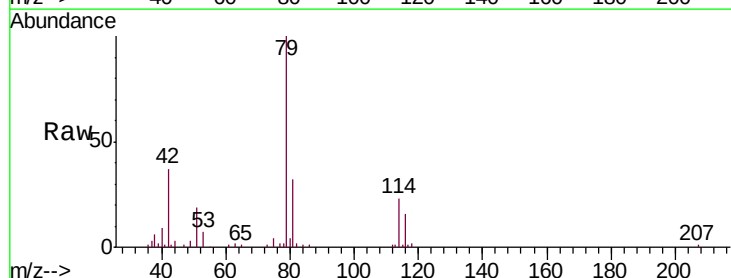
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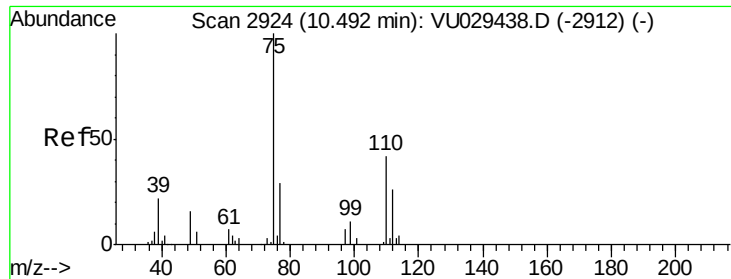
Tgt Ion: 63 Resp: 7300
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.23 min Scan# 1910
 Delta R.T. -0.04 min
 Lab File: VU029441.D
 Acq: 13 Feb 2019 13:28

Tgt Ion: 75 Resp: 2012
 Ion Ratio Lower Upper
 75 100
 77 54.4 22.3 41.3#





#59
 1,2,3-Trichloropropane
 Concen: 1.171 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029441.D
 Acq: 13 Feb 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXA5DL

Tgt Ion: 75 Resp: 10800
 Ion Ratio Lower Upper
 75 100
 77 36.0 28.2 42.2

